

About Us

The Adi Shankara Institute of Engineering & Technology (ASIET), established in Kalady, aims to provide value-added technical education that fosters professional excellence and ethical values in students. Managed by the Adi Sankara Trust, a respected educational organization under the blessings of His Holiness Jagadguru Sri Sri Bharati Tirtha Mahasannidhanam and His Holiness Jagadguru Sri Sri Vidhushekhar Bharati Sannidhanam of Dakshinamnaya Sri Sharada Peetham, Sringeri, the trust has operated various educational institutions for over 50 years.

Founded in 2001, ASIET is committed to the holistic development of its students. It is affiliated with A P J Abdul Kalam Technological University, approved by AICTE, and offers UG, PG, and PhD courses. Five of its streams (CE, CSE, ECE, EEE, and ME) are NBA accredited, reflecting its commitment to quality education. ASIET is the first self-financing engineering college in Kerala to receive ISO 9001:2008 certification.

Ideally situated 5 km from Kochi International Airport and 6 km from Angamaly railway station, ASIET is easily accessible. To date, twenty batches of B.Tech students have graduated from ASIET, holding prestigious positions worldwide.

The Adi Sankara Trust also operates several other educational institutions in Kalady, including Sree Sankara College, Sree Sarada School (Sainik School), Adi Sankara Training College, Sree Sarada Special School, DDU Kaushal Kendra, and PNNM Ayurveda College. The trust is led by Sri P.A. Murali, CEO and Administrator of Sri Sarada Peetham, and Sri K. Anand, Managing Trustee and respected advocate. Under the guidance of Principal Dr. M. S. Murali, a team of dedicated faculty works tirelessly to uphold the institute's high standards.

UG PROGRAMMES

Electronics & Biomedical Engineering

COMPUTER SCIENCE & ENGINEERING

ELECTRICAL & ELECTRONICS ENGINEERING

ELECTRONICS & COMMUNICATION ENGINEERING

MECHANICAL ENGINEERING

CIVIL ENGINEERING

Artificial Intelligence and Data Science

ROBOTICS AND AUTOMATION

PG PROGRAMMES

MTECH IN COMPUTER SCIENCE & ENGINEERING

MTECH IN POWER ELECTRONICS & POWER SYSTEMS

MTECH IN VLSI & EMBEDDED SYSTEMS

MTECH IN COMMUNICATION ENGINEERING

Master of Business Administration

MASTER OF COMPUTER APPLICATION

PhD PROGRAMMES

COMPUTER SCIENCE AND ENGINEERING

ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRICAL AND ELECTRONICS ENGINEERING

BIOMEDICAL ENGINEERING

MECHANICAL ENGINEERING

Campus

ASIET campus stands apart with its unique and environment friendly infrastructure. The College is equipped with all modern facilities that ensures the comprehensive delivery of pedagogy and also reinforces the holistic and creative development of students. The college takes pride in being an all encompassing campus that is physically- challenged- friendly, providing ramps and lifts for the less fortunate friends. The sprawling campus houses many covetous facilities.

Quick Facts

178 Certified value added courses

43 Industrial Collaborations

100% Placement Opportunities/Year

15 international collaborations

Institute Profile

Adi Shankara Institute of Engineering & Technology

The Adi Shankara Institute of Engineering & Technology was established in Kalady with the aim of providing value-added technical education that fosters professional excellence and ethical values in students. The institution is managed by the Adi Sankara Trust, a registered organization renowned in the field of education, under the blessings of His Holiness Jagadguru Sri Sri Bharati Tirtha Mahasannidhanam and His Holiness Jagadguru Sri Sri Vidhushekha Bharati Sannidhanam of Dakshinamnaya Sri Sharada Peetham, Sringeri. For over 50 years, the trust has successfully operated various educational institutions. The institute is committed to maintaining a proactive approach to ensure the holistic development of its students.

The college, which was founded in 2001 and skilfully maintained by the Sringeri Mutt with the benign blessings of His Holiness Sri Sri Bharathi Tirtha Mahaswamiji, is committed to maintaining a proactive approach to ensure the students' holistic development.

Adi Shankara Institute of Engineering & Technology (ASIET) is ideally situated in a picturesque environment that evokes vivid memories of Jagadguru Adi Shankara's calm presence. It is affiliated to the A P J Abdul Kalam Technological University, approved by the AICTE and offers courses in UG, PG and PhD levels. Five of their streams are NBA accredited (CE, CSE, ECE, EEE & ME) which shows its commitment to quality systems.

ASIET is the first self-financing engineering college in Kerala to be awarded ISO 9001:2008 certification. Located just 5 km from Kochi International Airport, it is easily accessible by train (6 km from Angamaly railway station) and by road (just 1 km from the arterial MC Road). To date, twenty batches of B.Tech students have graduated from this temple of education, and they occupy responsible positions in prestigious organizations both in India and abroad.

In addition to the Adi Shankara Institute of Engineering and Technology, the Trust operates the following educational institutions in Kalady:

- Sree Sankara College

- Sree Sarada School (Sainik School)
- Adi Sankara Training College
- Sree Sarada Special School
- DDU Kaushal Kendra
- PNNM Ayurveda College

The Trust is led by Guru Seva Nirata Sri P.A. Murali, who serves as the CEO and Administrator of the Sri Sarada Peetham in Sringeri, Chickmagalur district, Karnataka.

Sri K. Anand, a well-respected advocate, serves as the Managing Trustee and is deeply committed to the college's overall development.

A team of highly qualified and dedicated faculty, under the direct supervision of Principal Dr. M. S. Murali, works tirelessly for the comprehensive betterment of students. With his extensive experience in teaching and administration, he sets exceptionally high standards for the institute.

Vision

To emerge as a Center of Excellence in Engineering, Technology and Management by imparting quality education, focussing on empowerment and innovation.

Mission

Impart quality professional education for total upliftment of the society.

Create congenial academic ambience that kindles innovative thinking and research.

Mould competent prof

Quality Policy

We are committed to the total upliftment of the society by imparting quality professional education.

We aim at moulding totally competent professionals with ingenuity, adaptability, social commitment and ethical and spiritual values by creating a congenial academic ambience that kindles innovative thinking.

We continually upgrade the Quality Management System through empowerment and involvement.

essentials who are socially committed and responsible citizens.

History

A Journey of Excellence: Adi Shankara Institute of Engineering & Technology

Adi Shankara Institute of Engineering & Technology commenced its journey on August 31, 2001, under the affiliation of MG University, Kottayam. Initially, the institute welcomed 180 students across four undergraduate programs: Computer Science Engineering (CSE), Information Technology (IT), Electrical & Electronics Engineering (EEE), and Electronics & Communication Engineering (ECE).

In 2004, the School of Management Studies (MBA) was established, admitting 60 students with specializations in Marketing Management, Human Resource Management, Financial Management, and International Business. The institute also introduced electives in contemporary management fields such as business analytics, logistics, entrepreneurship management, and digital marketing. The same year, the National Techno Cultural Festival "Brahma – Awaken the Creator Within" was launched.

A landmark event in 2005 was the visit by the Hon. President of India, Dr. APJ Abdul Kalam. That year, the first batch of engineering students graduated with excellent records and placements, with five students securing university ranks. The Applied Electronics & Instrumentation program and the Mechanical Engineering program were introduced in 2005 and 2006, respectively. Industry collaborations with Infosys began in 2006, followed by TCS in 2008.

In 2010, the institute launched postgraduate programs starting with M.Tech in Computer Science and Engineering. Dr. Kalam visited again that year to inaugurate the SHREIS Research Centre. In 2012, M.Tech programs in VLSI & Embedded Systems and Power Electronics & Power Systems were started. The following year, the M.Tech in Communication Engineering and the B.Tech program in Civil Engineering were launched.

Google recognized ASIET as an Institute Partner in 2014, coinciding with the establishment of the Innovation and Entrepreneur Development Cell (IEDC) under the Kerala Start-Up Mission (KSUM). In 2015, the institute shifted its affiliation from MG University to APJ Abdul Kalam Technological University and launched the APJ

Abdul Kalam Innovation Award. The Adi Shankara Young Scientist Award was initiated in 2016.

In 2017, a state-of-the-art Digital Fab Lab was inaugurated, and a solar power plant was installed on campus. In 2018, four of its programs (CSE, ECE, EEE and ME) were accredited by the NBA. The same year, ASIET received the State Government's Best IEDC award and became a recognized research center with the commencement of Ph.D courses.

In 2019, the institute signed collaboration agreements with Glasgow University and the University of Cambridge, UK, establishing a Disaster Management Centre with Glasgow University. In 2020, an ASAP Skill Development Centre was set up to offer value-added courses, along with a Hi-Tech lab for online courses and technical sessions in association with ASAP and ICT Academy. A Technology Business Incubation (TBI) Centre funded by Kerala State Industrial Development Centre (KSIDC) was also established. Two new B.Tech programs in Computer Science and Engineering (Artificial Intelligence) and Robotics & Automation were introduced. His Excellency Shri Venkaiah Naidu, the Hon. Vice President of India, inaugurated the Adi Shankara Digital Academy (ASDA).

In 2021, ASIET hosted Asia's largest student innovation and entrepreneurship summit (IEDC Summit 2021) in collaboration with the Kerala Start-Up Mission. That year also saw the launch of a new UG program in Electronics and Biomedical Engineering. ASIET was recognized as a 'Band Performer' in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2021. The ASDA (The Adi Shankara Digital Academy) platform, launched by the Honorable Vice President of India, Sri M Venkaiah Naidu, in 2021, catering to all, offers online courses in Vastu Shastra, Vedic Mathematics, and Yoga. ASDA aims to utilize its learning platform to extend its reach to students and graduates, providing opportunities for upskilling and empowering them with knowledge rooted in traditional Indian culture.

The institute's NSS Unit was awarded the best unit among higher educational institutions by the Government of Kerala. In 2022, the institute secured the President's awards for the best NSS Unit and NSS Program Officer. Four of our

B.Tech programs: CSE, ECE, EEE and ME got reaccredited by NBA in the same year.

In 2023, the institute expanded its horizons by introducing two new courses: B.Tech in Computer Science and Engineering with a specialization in Data Science, and Master of Computer Applications (MCA). That year, ASIET received LEAP recognition from the Kerala Startup Mission. Adding another feather to its cap, the institute secured research funding of ₹2.98 crores from MeitY, Government of India, for a project focused on air quality monitoring, flood alert systems, and distributing drinking water.

In 2024, the Department of Civil Engineering received NBA accreditation, ensuring that all eligible Under Graduate programs at the institute are now accredited. That same year, the institution was recognized as a LEAP center by KSUM.

Through the years, Adi Shankara Institute of Engineering & Technology has consistently demonstrated a commitment to excellence, innovation, and community service, making it a beacon of education and growth.

Milestones

2001	31st of August, ASIET was established with four B.Tech courses - CSE, IT, EEE & ECE under the affiliation of MG University.
2004	MBA (Master of Business Administration) course was launched.

	National Techno Cultural Festival "BRAHMA - Awaken the Creator within" was launched.
2005	<p>Hon. President of India Dr. APJ Abdul Kalam graced the college campus with his presence, inspiring students and faculty alike.</p> <p>First Batch of Engineering rolled out with excellent academic records and placement, with five university ranks.</p> <p>B.Tech in Applied Electronics & Instrumentation, Mechanical Engineering was launched.</p>
2006	Industry collaboration with Infosys - One of the few Engineering colleges to have a collaboration with Techno giants at that time.
2008	Institute accredited by TCS.
2010	<p>Launched M.Tech program in Computer Science & Engineering.</p> <p>Dr. APJ Abdul Kalam visits again to inaugurate SHREIS Research Center.</p>

2012	Launched M.Tech program - VLSI and Embedded System. Launched M.Tech program - Power Electronics & Power System.
2013	Launched M.Tech program - Communication Engineering. Launched B.Tech program - Civil Engineering.
2014	Google awarded ASIET, the Institute Partner. Started Innovation and Entrepreneur Development Cell(IEDC) under Kerala Start-Up Mission.
2015	Affiliated to APJ Abdul Kalam Technological University. Launch of APJ Abdul Kalam Innovation award.
2016	Launch of Adishankara Young Scientist Award KTU recognized research center. Started Ph.D. courses.

2017	<p>Launch of State of the art Digital Fab Lab.</p> <p>Installation of Solar Powered Power Plant in the campus.</p>
2018	<p>Award of NBA accreditation for CSE, ECE, ME, and EEE departments.</p> <p>Received award for the Best IEDC in the state from Government of Kerala.</p>
2019	<p>Collaboration with Glasgow University and Cambridge UK.</p> <p>Establishment of Disaster Management under Glasgow university.</p> <p>Recognized by ICT Academy of Kerala as a premium institute in Kerala.</p> <p>Award of best NSS unit from Government of Kerala.</p>
2020	<p>Establishment of ASAP skill center providing various value-added courses.</p> <p>Established state-of-the-art Hi-Tech lab, in association with ASAP and ICT. Networked with 150 engineering colleges, offering online courses and webinars.</p> <p>Established Adishankara Technology Business Incubation center(AdiShankara TBI) funded by Kerala State Industry Development Center (KSIDC).</p> <p>Launched 2 new B.Tech Courses:</p> <ul style="list-style-type: none"> Computer Science & Engineering (Artificial Intelligence) Robotics and Automation.

2021		<p>In January 2021, our institute hosted ASIA'S Largest Student Innovation and Entrepreneurship Summit (IEDC Summit 2021- the most prestigious event of Kerala Startup Mission).</p> <p>Awarded Best NSS Unit by Government of Kerala (Award Category: Higher Educational Institutions)</p> <p>Launched new B.Tech Course - Electronics & Biomedical Engineering</p> <p>'Band Performer' in the Atal Ranking of Institutions on Innovation Achievements (ARIIA)</p> <p>His Excellency Shri. M. Venkaiah Naidu, Vice President of India inaugurated our new venture Adi Shankara Digital Academy (ASDA).</p>
2022		<p>Secured the President's awards for the best NSS Unit and NSS Program Officer.</p> <p>Four of our B.Tech programs: CSE, ECE, EEE and ME got reaccredited by NBA</p>
2023		<p>Launched new B.Tech Course-Computer Science & Engineering with specialization in Data Science</p> <p>Launched new PG Course - Master of Computer Application (MCA)</p> <p>Received Local Entrepreneurship Advancement Programme (LEAP) recognition from the Kerala Startup Mission.</p> <p>Secured research funding of ₹2.98 crores from MeitY, Government of India</p>

2024

NBA accreditation for Civil Engineering

Patron

His Holiness Sri Sri Bharati Tirtha Mahasannidhanam

His Holiness Sri Sri Vidhushekha Bharati Sannidhanam

CEO & ADMINISTRATOR, SRINGERI MUTT

Guru Seva Nirata "Sri P.A. Murali"

Greetings,

I am delighted to extend a warm welcome to all students, faculty members, staff, and visitors to our esteemed institution. Adi Shankara Institute of Engineering and Technology (ASIET) has always been a beacon of knowledge, values, and holistic education. Education is not just about acquiring information; it's about nurturing curious minds, fostering critical thinking, and cultivating character. At ASIET, we are committed to providing an environment that encourages intellectual growth and personal development. Our dedicated faculty members are not just teachers, but mentors who are passionate about guiding students on their path to success. We believe in the importance of embracing innovation while upholding our rich traditions. Our curriculum is designed to blend the best of both worlds, ensuring that our graduates are well-equipped to tackle real-world challenges with a global perspective. I encourage all students to actively participate in extracurricular activities, sports, and community service, as these experiences shape well-rounded individuals and future leaders. I extend my best wishes to everyone embarking on this enriching educational journey at ASIET. Let us work together to achieve excellence and make a positive impact on society.

Best regards,

Guru Seva Nirata "Sri P.A. Murali"

CEO, Sringeri Mutt and its properties.

Governing Body

[Home](#)
[Administration](#)
[Governing](#)
[Governing Body](#)

[Governing Body](#)

The Governing Body is the highest administrative body of the institute and it meets twice in a year with following objectives.

Objectives:

The Governing Body is formed to ensure effective, efficient, economical execution of the administration of the College so as to achieve excellence in technical education ensuring holistic development of the students. It also aims to nurture and develop the Institution to meet the highest standards in the field of Technical Education.

- Evolves the Vision, Mission and Objectives of the College and ensures that they are achieved.
- To provide directions in strategic decisions related to the overall development of the College.
- Review the academic and non academic activities.
- Approves new programmes of study taking into consideration of the recommendations from experts.
- Review the institute's applications for accreditations by different Regulatory Bodies (NBA, NAAC etc)
- Reviews the infrastructural requirements of the Institute.
- Review the performance of the Institute and guide it to function effectively to achieve excellence in Academic, Research and Industry collaborations.

- Ensures the regulatory compliance of all the decisions by the concerned authorities like Principal, Heads of the Department and other officers of the Institute in all matters of fundamental concern.
- Encourage and give direction to apply for funds from different funding agencies.
- To approve all policies and plans in academic & non academic matters for the upliftment of the institution .

Constitution of the Governing Body:

- Chairman
- Two to five members nominated by the trust
- Eminent expert professionals from Industry and Research
- Principal and Academic Council members

Members

Guru Seva Nirata Sri. P. A Murali
 CEO and Administrator, Sringeri Math and its Properties

Sri. K Anand
 Managing Trustee, Adi Shankara Group of Institutions

Dr. M S Murali
 Principal, ASIET

Sri. T R Gopalakrishnan Nair
 Professor, NIAS Bangalore

Dr. Bhasi A Balakrishnan
Ex-Professor & Controller of Examination, CUSAT

Dr. A V Jayanthan
Associate Professor, Dept. of Mathematics, IIT Madras

Sri. E Ramankutty
Director, Bharatiya Vidya Bhavan, Ernakulam

Dr. R Sridharan
Professor NIT Calicut

Sri. R Nagaraja
Former Director (Military Aircraft Operations), MOOG India Ltd., Bangalore

Adi Sankara Trust

Guru Seva Nirata Sri P.A. Murali	Administrator and CEO, Sringeri Mutt & Its Properties
Sri. K Anand	Managing Trustee, Adi Sankara Trust
Sri. Vidyashankar Krishnan	Trustee
Sri. D Dasaratharaman	Trustee

Sri. Murali Ananthasubramanian Pathai	Trustee
Sri. K S Neelakantan Iyer	Trustee
Sri. Krishna Venkatesh	Trustee
Sri. H R Binod	Trustee
Sri. V Ramalingam	Trustee

Sri. T P Sivaramakrishnan (Auditor)	Trustee
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Academic Council

Academic council of ASIET, consists of faculty members and administrative staff who oversee the college's academic affairs. This council works together to ensure that the college provides high-quality education to its students and that the academic programs adhere to the required standards.

Aim

The aim of the academic council is to maintain and improve the academic standards of the college, promote academic excellence, and ensure that the academic programs are in line with the latest trends in the engineering field.

Objectives

- To provide guidance and support to the faculty members in developing and implementing the academic programs.
- To monitor the academic performance of the students and provide feedback to the faculty members.
- To review and approve the academic policies, regulations, and procedures.
- To promote research and development activities among the faculty members and students.
- To ensure that the academic programs are in compliance with the accreditation standards.
- To ensure that the academic programs are aligned with the industry requirements and trends.
- To collaborate with other academic institutions, industry, and government agencies for the betterment of the academic programs.

Composition

- The Principal, who serves as the chair of the council.
- Heads of Departments of all the disciplines in the college.

- Deans – Academics, Research and Placement.
- IQAC coordinator.
- PG coordinator
- 1st year coordinator.

Functions

- Developing and updating the academic policies, regulations, and procedures.
- Approving the academic programs, syllabus, and curriculum.
- Monitoring the academic performance of the students.
- Reviewing and approving the academic calendar.
- Evaluating the faculty performance and providing feedback.
- Promoting research and development activities.
- Collaborating with other academic institutions, industry, and government agencies.
- Ensuring that the academic programs are in compliance with the accreditation standards.
- Encouraging and supporting the professional development of the faculty members.

Procedures

- The academic council meets regularly to discuss and make decisions related to the academic affairs of the college.
- The meetings are typically chaired by the Principal, and the agenda is already prepared / circulated.
- The members of the council discuss and debate various issues related to the academic programs and make decisions based on the consensus.
- The decisions made by the academic council are then implemented by the faculty members and the administrative staff of the college.
- The academic council also takes feedback from the students and other stakeholders to continuously improve the academic programs.

The Academic Council

Dr. M S Murali	Principal
Dr. Bobby Mathews C	IQAC Head & Dean of PhD Programmes
Dr. Jithesh K	Dean UG Programmes
Prof. R Rajaram	Dean Project & Consultancy, NBA Coordinator
Dr. Sojan P Lal	Dean School of Computing

Dr. Eldose K K	Dean Campus Affairs, HOD Mechanical Engineering
Dr. S. Srikrishnan	Dean Computer Science and Engineering Department, HOD Computer Application
Dr. Sreepriya S	Dean Research
Dr. Santharam Rao C P	Dean Placement and Training

Dr. Bipin P R	PG Coordinator
Dr. Dhanasekhar K	HOD Civil Engineering
Dr. Ramani Bai V	HOD Computer Science & Engineering
Prof. Rajaraman P V	HOD Computer Science & Engineering - Artificial Intelligence

Dr. Ajay Kumar	HOD Electronics and Communication Engineering
Dr. Deepa Sankar	HOD Electrical and Electronics Engineering
Dr. Remya George	HOD Electronics and Biomedical Engineering
Dr. Vinila M L	HOD Robotics and Automation Engineering

Prof. Mohan	Shaji HOD Business School
Dr. Jayasree T G	HOD Basic Science and Humanities
Prof. Anitha P	First Year Coordinator

College Council

College Council

The college council of ASIET is constituted as per circular No. KTU/ASST6(ADMIN)/1902/2021 dated 29/6/21, the college council is reconstituted as prescribed in the APJ Abdul Kalam Technological University First Statutes,2020, and as per regulations/ directions issued by UGC and AICTE.

Constitution:

- Chairman: Principal
- Secretary: elected person from the college council
- All HODs
- Physical education director
- Faculty coordinator of the college union
- College union chairman and vice chairman
- Special Invitee: Hostel Wardens/ faculty in charge of the cell/committee pertaining to the issue being discussed in the college council.

Responsibilities and Functions of the College Council

- The administration of the college is entrusted to the Principal, under the general direction and control of the management.
- The College Council is a statutory body that advises and assists the Principal in all academic, co-curricular, extracurricular, and administrative matters.
- Prior notice is provided for regular meetings, while urgent meetings are convened on short notice.

College Council 2024-2025

Dr. M.S Murali, Principal	Chairman
Dr. Sreepriya S, Dean Research	Member
Dr. Deepa Sankar, HOD EEE	Member
Dr. Eldose K K, HOD ME	Member
Dr. Dhanasekhar K, HOD CE	Member
Dr. Vinila M L, HOD RA	Member

Dr. Jayasree T G, HOD BSH	Member
Dr. Ramani Bai V, HOD CSE	Member
Prof. Rajaraman P V, HOD CSE (AI)	Member
Dr. Remya George, HOD EBE	Member
Dr. Ajay Kumar, HOD ECE	Member
Prof. Shaji Mohan, HOD MBA	Member

Dr. S. Srikrishnan, HOD MCA	Member
Sri. Ramesh C T, Director Physical Education	Member
Dr. Madhu C S, MBA	Member
Sri. Abhishek Kumar A A, CE	Member
Smt. Raghi R Menon, CSE	Member
Sri. Majo Davis, ME	Member

College Union Chairman	Member
Vice Chairman (Female)	Member
Smt. Archana Aniyan - Ladies Hostel Warden, ECE	Special Invitee
Dr. Subiramonyan - Men's Hostel Warden, EEE	Special Invitee
Dr. Eldose K K -Selected by College Council, HOD ME	Secretary

Managing Trustee

Sri. K Anand

It gives me great pleasure to communicate with you all and share my thoughts on the future development, academic growth, research work and student welfare that Adi Shankara Institute of Engineering and Technology (ASIET) is planning to implement in the near future. Our academic plans are designed in accordance with the New Education Policy of India, which marks a new era in the country's education sector and presents numerous opportunities for institutions like ours to shape the future of engineering education in India.

One of the key objectives of that we follow at ASIET is to make education more inclusive, equitable and accessible to all. Our college is committed to this goal and we plan to offer various scholarships, fee waivers, and other financial aid programs to help students from underprivileged backgrounds pursue their dreams of obtaining an engineering degree.

Another aspect of emphasis at ASIET is on research-based education. Our college plans to invest heavily in research and development activities, with a focus on emerging technologies such as Artificial Intelligence, Internet of Things, and Renewable Energy. We will be establishing research centres, incubation centres (we already have an award winning TBI) and collaboration with industry partners to provide students with hands-on experience and a real-world understanding of these technologies.

To ensure the academic growth of our students, we will be introducing new and updated curriculum plans that accommodate add-on courses that are aligned with the latest industry trends and demands. Our faculty are provided with training and resources to keep them at the forefront of their respective fields, and we get guest speakers and resource-persons from leading companies and institutions to share their expertise with our students.

Student welfare is also a top priority for our college. We understand that students face various challenges, both academically and personally, and we support them in every way

we can—through student counselling, health and wellness programs, and extracurricular activities that offer possibilities of holistic development.

ASIET leads the way in shaping the future of engineering education in Kerala. We are committed to making the most of this opportunity and to providing our students with the best possible education experience. We look forward to working together with our students, parents, faculty, and staff to make this vision a reality.

Senior Associate Director

I am delighted to welcome you to Adi Shankara Institute of Engineering and Technology, where we are committed to empowering the engineers and technologists of tomorrow. Our institution is more than just a place of learning; it is a vibrant community where students grow, excel, and transform into industry-ready professionals with a global outlook.

At Adi Shankara, we understand the significance of a holistic education that goes beyond academics. Therefore, we have designed an all-encompassing approach to equip our students with the skills and expertise required to thrive in the competitive world of engineering and technology. Our focus extends beyond the curriculum, touching upon various aspects that are essential for your success and personal growth.

We believe that skills complement knowledge, and hence, we offer a wide range of skill training programs. Through workshops, hands-on training, and industry interactions, we aim to nurture your practical abilities, making you well-rounded professionals capable of solving real-world challenges.

As part of our commitment to providing global exposure, we encourage students to explore placement opportunities abroad. Our tie-ups with international companies and universities create avenues for students to gain invaluable experiences on the international stage. Additionally, we support and guide meritorious students in securing scholarships for higher education and research.

Internships are crucial for bridging the gap between classroom learning and industry requirements. We actively collaborate with leading organizations to offer quality internships to our students. Moreover, we provide scholarships to deserving students to encourage and reward academic excellence.

Effective communication is the cornerstone of professional success. We emphasize the development of language and communication skills to ensure that our students can articulate their ideas with clarity and confidence, thereby enhancing their employability.

Career planning is a continuous process, and we guide our students in identifying their strengths and interests to align their career goals accordingly. Additionally, we offer various programs and opportunities to expand the competencies, keeping our learners at the forefront of the rapidly evolving engineering and technology landscape.

We understand the importance of financial independence and encourage students to 'earn while they learn.' Our on-campus and off-campus initiatives offer part-time job opportunities, helping students to develop a strong work ethic and time management skills.

At Adi Shankara, we strive to create a supportive ecosystem that nurtures talent and fosters a culture of inclusivity. We organize various on-campus and off-campus events, and technical as well as non-technical conferences to enable networking and collaboration opportunities.

As the Senior Associate Director, I assure you that our dedicated faculty, state-of-the-art facilities, and industry partnerships will provide you with the best possible environment to grow and excel. Together, we can build a brighter future and shape the world of engineering and technology.

Welcome to Adi Shankara Engineering College – where excellence meets innovation!

Best Regards,

Dr Jacob George C

Adi Shankara Group of Institutions

Principal

Technology and Practices are undergoing constant transformation in the fast growing global environment. Technology adapted today may turn obsolete tomorrow. This has resulted in the need of professionals and technical experts who can upgrade themselves and adapt to the changing environment.

The young minds and hearts who aspire to achieve their ambitions and passions need to acquire or develop specialized knowledge, skills and attitude to excel in their chosen field. Dear students, the current decision of yours should be matched by your hard work and perseverance and this would decide your future.

We, at Adi Shankara Institute of Engineering and Technology (ASIET), are committed to groom young professionals capable of facing the challenges of the changing global scenario. We have a team of efficient, experienced, competent and dedicated faculty who devote their time to unleash the potential in each student and contribute immensely towards his/her holistic development. We provide state-of-the-art infrastructure and efficient administration creating a safe and supportive environment for the students. Students meet and interact with great personalities from Industry, get the best industrial visits, internships, leadership training; and opportunities to shape their future vocations by attending customized add-on courses. Yoga, sports and cultural activities on the campus ensure the physical and mental fitness of ASIETians. Our vision is to generate a generation of confident, articulate and enlightened young citizens who are valued in society for their dignified bearing, exemplary sense of honour and integrity.

Our institution has recorded two decades of consistent development in the course of which it has accomplished many accolades, making it one of the colleges recognized for its excellence. We have always had excellent results, impressive track record in finding placements and securing funded research projects.

With immense pleasure I welcome to ASIET all those who have a burning desire to enhance their knowledge and skills and utilize the opportunities provided by us to enjoy excellent career prospects.

I take this opportunity to wish all the best to all prospective students and remain highly appreciative of the trust placed in us over the past two decades by our students and their parents.

Dr. M S Murali

Principal

Chief Technology Officer

P V Rajaraman

As the CTO of Adi Shankara Institute of Engineering and Technology, I am committed to leading our institution into a new era of technological excellence and educational innovation. Our vision is to establish a comprehensive and industry-aligned training program that not only imparts foundational knowledge but also provides hands-on experience in cutting-edge technologies like AI, IoT, and advanced computing. We are dedicated to building state-of-the-art research laboratories that will serve as innovation hubs, where students and faculty can collaborate on ground-breaking projects and push the boundaries of what is possible. Our goal is to create a stimulating and supportive environment that fosters creativity, critical thinking, and a passion for technology. With a strong emphasis on practical learning and research excellence, we aim to position Adi Shankara as a leader in technological education, preparing our students to become innovators and leaders in their chosen fields.

Deans

Prof. R Rajaram Professor & Dean Project, Consultancy

Dr. Eldose K K Professor & Dean Campus Affair

Dr. Bobby Mathews C Professor & Dean Ph.D Programmes

Dr. Santharam Rao C P Dean Placement and Training

Dr. Jithesh K Dean UG Programmes

Dr. S. Srikrishnan Dean Computer Science And Engineering Department

Dr. Sreepriya S Dean Research

Head Of The Departments

Dr. Vinila M L

Robotics & Automation
vinila.ra[@]adishankara.ac.in
0484-2463825

Dr. Jayasree T G

Basic Science & Humanities
hod.neng[@]adishankara.ac.in
0484-2463825

Dr. Deepa Sankar

Electrical & Electronics Engineering
hod.eee[@]adishankara.ac.in
0484-2463825

Dr. Eldose K K

Mechanical Engineering
hod.me[@]adishankara.ac.in
0484-2463825

Dr. Ramani Bai V

Computer Science & Engineering
hod.cs[@]adishankara.ac.in
0484-2463825

Dr. Ajay Kumar

Electronics & Communication Engineering
hod.ec[@]adishankara.ac.in
0484-2463825

Dr. Remya George

Electronics and Biomedical Engineering
hod.eb[@]adishankara.ac.in
0484-2463825

P V Rajaraman

Computer Science and Engineering (Artificial Intelligence)
pvrajaraman.cs[@]adishankara.ac.in
0484-2463825

Shaji Mohan

Business School
hod.mba[@]adishankara.ac.in
0484-2463825

Dr. Srikrishnan Sundararajan

Computer Application
srikrishnan.cs[@]adishankara.ac.in
0484-2463825

Dr. Dhanasekar K

Civil Engineering
hod.ce[@]adishankara.ac.in
0484-2463825

Adi Shankara Trust

The Adi Shankara Trust, based in Kalady, Kerala, carries forward the illustrious legacy of Jagadguru Adi Shankaracharya, an eminent philosopher and theologian who made profound contributions to Hindu philosophy and Advaita Vedanta. The trust is dedicated to preserving and propagating the teachings and values narrated by Adi Shankaracharya.

The Adi Shankara Trust places a strong emphasis on education as a means to foster intellectual and spiritual growth. Through its educational institutions, including the renowned Adi Shankara Institute of Engineering and Technology (ASIET), Sree Shankara College, Sree Sarada Sainik School, and Adi Shankara Training College, the trust provides quality education across various disciplines. These institutions are committed to upholding the principles of excellence and holistic development, reflecting Adi Shankaracharya's emphasis on knowledge and wisdom.

Adi Shankaracharya was known for his compassionate approach towards humanity. Reflecting this ethos, the Adi Shankara Trust engages in various social welfare activities aimed at uplifting the underprivileged sections of society.

The legacy of the Adi Shankara Trust, Kalady, is a testament to the enduring relevance of Adi Shankaracharya's teachings. Through its diverse initiatives in education, cultural preservation, social welfare, research, environmental stewardship, and community development, the trust continues to honor and perpetuate the profound impact of Adi Shankaracharya's life and work. It stands as a beacon of knowledge, compassion, and holistic development, guiding countless individuals on their paths to enlightenment and societal contribution.

About US

Sister Institutions

Besides the Adi Shankara Institute of Engineering and Technology the Trust runs the following educational institutions at Kalady

Sree Sarada Vidyalaya

Sree Sarada Vidyalaya, Kalady, Senior Secondary School, started functioning in June 1992. Sree Sarada is affiliated to the Central Board of Secondary Education (CBSE) and follows the curriculum of National Council of Educational Research and Training (NCERT).

Sree Sankara College

Envisaged by Swami Agamananda, a social reformer and a foresighted scholar of Sri Ramakrishna Advaita Ashram, Sree Sankara College, Kalady was established with a view to perpetuate the memory and doctrines of the great saint and philosopher, Adi Sankaracharya and to nurture his birth place as a cultural citadel.

Adi Sankara Training College

Adi Sankara Training College, named after the great Philosopher Sri. Adi Sankaracharya – a radiant figure, the rays of whose stupendous activities enlightened the whole world, has been established during the year 2005-06 at his birthplace, Kalady.

PNNM Ayurveda College

P N N M Ayurveda Medical College and Hospital is a self-financing institution affiliated to Kerala University of Health Sciences, Thrissur. This Ayurveda College has been

recognized by the National Commission for Indian System of Medicines, Government of India and the Ministry of Health and Family Welfare Department of Ayush.

Statutory Committees

Student Grievance Redressal Committee

According to Clause 5 in the AICTE (Redressal of Grievance of Students) Regulations, 2019, the college has established a Student Grievance Redressal Committee to address student issues and complaints. The committee's objectives are to provide a platform for grievance redressal, maintain a harmonious educational environment, and ensure transparency and accountability in the resolution process.

Anti Ragging Cell

According to Clause 6 in AICTE (Prevention and Prohibition of Ragging in Technical Institutions, Universities including deemed to be Universities imparting technical education) Regulations 2009/Clause 6.3 in the UGC Regulations on curbing the Menace of Ragging in Higher Educational Institutions, 2009 / Kerala Prohibition of Ragging Act, 1998 and Chapter 6, Statute 3 Sub Statute 13 of the First Statutes, an Anti-Ragging Cell is established in the college to prevent and address incidents of ragging within the institution. The role of the Anti-Ragging Cell is to implement measures to prevent ragging in the institution by monitoring potential incidents. The cell responds promptly and effectively to any reported cases of ragging. Additionally, it aims to raise awareness among students and staff about the negative effects of ragging and its legal consequences. The cell ensures that the institution follows the anti-ragging regulations laid down by AICTE and UGC.

Women Empowerment Cell

For the true empowerment of women, the social, economic, and political aspects of her life must converge holistically. These factors are deeply intertwined with numerous interconnections. The extent of empowerment is largely determined by the relative importance of these factors in our society. The Women Empowerment Cell at ASIET conducts various activities focusing on these aspects to empower our girls to realize their dreams.

Internal Complaint Committee (ICC)

The Internal Complaint Committee (ICC) is a vital mechanism within organizations and educational institutions designed to address and resolve complaints related to harassment and discrimination. Its primary role is to provide a safe and confidential platform for individuals to report grievances concerning issues such as sexual harassment, bullying, or any form of misconduct that undermines the dignity and rights of individuals. Based on the circular No. KTU/ASST6(ADMIN)/1902/2021 dated 31.07.2022 the INTERNAL COMPLAINT COMMITTEE (ICC) – of Adi Shankara Institute of Engineering & Technology, Kalady constituted with the following members as per (As per Section (Clause 4 in AICTE (Gender Sensitization, Prevention and Prohibition of Sexual Harassment of Women Employees and Students and Redressal of Grievances in Technical Institutions) Regulations, 2016) 4 vide No. F.AICTE/ WH/2016/01dated 10th June, 2016 for the Academic Year 2024-25.

Gender & Equity Cell

The Gender and Equity Cell at Adi Shankara Institute of Engineering and Technology (ASIET) is dedicated to promoting gender equality and addressing issues related to gender discrimination within the institution. Its goal is to provide equal opportunities for education and employment to

all stakeholders, regardless of gender. The cell's roles and responsibilities include Promoting gender equality, Addressing grievances, Raising awareness, Offering support and counseling services to individuals facing gender-related issues, Collaborating with other committees and organizations, such as the Internal Complaint Committee (ICC), to resolve issues related to gender discrimination and harassment Additionally, the cell assists in developing and updating institutional policies related to gender equity, ensuring that these policies comply with legal requirements and best practices. By focusing on these areas, the Gender and Equity Cell at ASIET aims to create a supportive and equitable environment that values diversity and ensures that all individuals have the opportunity to thrive and succeed

SC/ST Committee

The Scheduled Caste (SC) and Scheduled Tribes (ST) Cell at an institute aims to support and advocate for the unique interests of students in these reserved categories. Its purpose is to offer additional assistance in areas where these students may face challenges. Based on the circular No. KTU/ASST6(ADMIN)/1902/2021 dated 31.07.2022 the SC/ST COMMITTEE of Adi Shankara Institute of Engineering & Technology, Kalady is constituted with the following members as per (Clause 6.3.3 in Appendix 6 in APH) for the Academic Year 2024-25.

All Faculties

Name	Designation	Department
Dr. Aneesh P C	Assistant Professor	Civil Engineering
Shabnum Suhura Shamsudeen	Assistant Professor (On Leave)	Civil Engineering
Abin Joy	Assistant Professor	Civil Engineering
Harshananda T N	Assistant Professor	Civil Engineering
Reema Pius	Assistant Professor	Civil Engineering
Clydin P A	Assistant Professor	Civil Engineering
Abishek Kumar A A	Assistant Professor	Civil Engineering
Akhila Vijayan	Assistant Professor	Civil Engineering
Dr. P K Suresh	Senior Professor	Civil Engineering
Jyothi Lekshmi R	Assistant Professor	Civil Engineering
Gisha George	Assistant Professor (On Leave)	Civil Engineering
Dr. Dhanasekar K	Professor & Head of the Department	Civil Engineering

Rosmin Thomas	Assistant Professor	Civil Engineering
Veena Kumar S	Assistant Professor	Civil Engineering
Dona Joy	Assistant Professor	Civil Engineering
Anna Varghese	Assistant Professor	Civil Engineering
Dr. A N Swaminathan	Professor	Civil Engineering
Dr. Parameswaran T G	Associate Professor	Civil Engineering
Gipsy Paul Mannickathan	Assistant Professor(Pursuing PhD)	Computer Science & Engineering
T Sobha	Associate Professor (Pursuing Ph.D)	Computer Science & Engineering
Rosemary Varghese	Assistant Professor	Computer Science & Engineering
Teena George	Assistant Professor	Computer Science & Engineering
Neetha K Nataraj	Assistant Professor(Pursuing PhD)	Computer Science & Engineering
Divya K S	Assistant Professor (Pursuing Ph.D)	Computer Science & Engineering
Unnikrishnan K N	Associate Professor (Study Leave for pursuing Ph.D)	Computer Science & Engineering

Raghi R Menon	Assistant Professor	Computer Science & Engineering
Dr. Sanaj M S	Associate Professor	Computer Science & Engineering
Shyama R	Assistant Professor	Computer Science & Engineering
Nikhil Narayanan	Assistant Professor(Pursuing PhD)	Computer Science & Engineering
Anila S	Assistant Professor	Computer Science & Engineering
Sumesh C	Assistant Professor	Computer Science & Engineering
Prabhu M	Assistant Professor	Computer Science & Engineering
Sreedevi R	Assistant Professor (Pursuing Ph.D)	Computer Science & Engineering
Eldhose P Sim	Assistant Professor(Pursuing PhD)	Computer Science & Engineering
Jithi P V	Assistant Professor	Computer Science & Engineering
Sharika T R	Assistant Professor	Computer Science & Engineering

Dr. Deepa Devassy	Assistant Professor	Computer Science & Engineering
Akshaya Jayaraj	Assistant Professor	Computer Science & Engineering
Dr. Shyni Shajahan	Assistant Professor	Computer Science & Engineering
Chinnu Maria Varghese	Assistant Professor	Computer Science & Engineering
Parvathy Nair	Assistant Professor	Computer Science & Engineering
Dr. Ramani Bai V	Professor & HOD	Computer Science & Engineering
Dr. Sanjuna K R	Assistant Professor	Computer Science & Engineering
Parvathy Unnikrishnan	Assistant Professor	Computer Science & Engineering
Dr. Bipin P R	Professor	Electronics & Communication Engineering
Neetha K	Senior Assistant Professor (Pursuing PhD)	Electronics & Communication Engineering
Sreekanth K S	Associate Professor	Electronics & Communication Engineering
Dr. Neema M	Assistant Professor	Electronics & Communication Engineering

Anju George	Assistant Professor (Pursuing PhD)	Electronics & Communication Engineering
Savitha Raghavan	Selection Grade Assistant Professor (Pursuing PhD)	Electronics & Communication Engineering
Remya Ramesh	Selection Grade Assistant Professor (Pursuing PhD)	Electronics & Communication Engineering
Neethu Suman	Senior Assistant Professor	Electronics & Communication Engineering
Aswathy N	Senior Assistant Professor	Electronics & Communication Engineering
Archana Aniyam	Selection Grade Assistant Professor (PhD Pursuing)	Electronics & Communication Engineering
Dr. Ajay Kumar	Associate Professor & HOD	Electronics & Communication Engineering
Divya V Chandran	Senior Assistant Professor (Pursing Ph.D)	Electronics & Communication Engineering
Jaimy James Poovely	Assistant Professor (Pursing Ph.D)	Electronics & Communication Engineering
Albins Paul	Assistant Professor	Electronics & Communication Engineering
Arya Paul	Assistant Professor	Electronics & Communication Engineering

Prasanth P Menon	Assistant Professor	Electronics & Communication Engineering
Dr. Bobby Mathews C	Professor, Dean PhD programmes	Electronics & Communication Engineering
Dr. Anagha E G	Assistant Professor	Electronics & Communication Engineering
Reshma Lakshmanan	Assistant Professor	Electronics & Communication Engineering
Dr. Ramu R	Associate Professor	Electronics & Communication Engineering
Manesh V M	Assistant Professor (PhD Pursuing)	Electronics & Communication Engineering
Dr. Resmi N. C.	Associate Professor	Electronics & Communication Engineering
Dr. Chithra Parameswaran	Assistant Professor	Electronics & Communication Engineering
Remya K P	Assistant Professor (Pursuing PhD)	Electrical & Electronics Engineering
Ashna Mohan	Assistant Professor (Pursuing Ph.D)	Electrical & Electronics Engineering
Anitha P	Associate Professor (Pursuing Ph.D)	Electrical & Electronics Engineering
Dr. P Jeno Paul	Professor	Electrical & Electronics Engineering

Hima T	Assistant Professor (Pursuing Ph.D)	Electrical & Electronics Engineering
Sreehari S	Assistant Professor(Pursuing PhD)	Electrical & Electronics Engineering
Rajitha A R	Sr Assistant Professor (Pursuing PhD)	Electrical & Electronics Engineering
Dr. Tony George	Associate Professor [On Leave]	Electrical & Electronics Engineering
Gomathy S	Associate Professor	Electrical & Electronics Engineering
Dr. Deepa Sankar	HOD & Associate Professor	Electrical & Electronics Engineering
Sijo George	Associate Professor (Pursuing Ph.D)	Electrical & Electronics Engineering
Rajalakshmy S	Senior Assistant Professor	Electrical & Electronics Engineering
Akhila K	Assistant Professor (Pursuing Ph.D)	Electrical & Electronics Engineering
Anna Baby	Assistant Professor (Pursuing Ph.D)	Electrical & Electronics Engineering
Alan Mathew George	Assistant Professor(Pursuing PhD)	Electrical & Electronics Engineering

Dr. Subiramonyan S	Associate Professor	Electrical & Electronics Engineering
Dr. Sreena Sreekumar	Associate Professor	Electrical & Electronics Engineering
Dr. Babu Paul	Professor	Electrical & Electronics Engineering
Leo Francis	Assistant Professor	Mechanical Engineering
Eldhose K Joy	Assistant Professor	Mechanical Engineering
Vishnu S	Assistant Professor (On leave for pursuing Ph.D)	Mechanical Engineering
Aneesh V	Assistant Professor (On leave for pursuing Ph.D)	Mechanical Engineering
Goutham D	Assistant Professor	Mechanical Engineering
Sandeep O S	Assistant Professor	Mechanical Engineering
Arun P Das	Assistant Professor	Mechanical Engineering
Eldho Mathew	Assistant Professor	Mechanical Engineering
Goutham S	Assistant Professor	Mechanical Engineering
Dr. Eldose K K	Professor, HOD & Dean	Mechanical Engineering
Jithesh S R	Assistant Professor	Mechanical Engineering

Dr. Vinay Varghese	Associate Professor	Mechanical Engineering
Dr. Jithesh K	Associate Professor	Mechanical Engineering
Dr. Sivaprasad P V	Associate Professor	Mechanical Engineering
Dr. Nidhin Raj A	Associate Professor	Mechanical Engineering
Dr. Vinay T V	Assistant Professor	Mechanical Engineering
Kiran K S	Assistant Professor	Mechanical Engineering
Dr. Rahul S Arackal	Assistant Professor	Mechanical Engineering
Suja C K	Senior Grade Assistant Professor (Pursuing Ph.D)	Basic Science & Humanities
Leena C L	Selection Grade Assistant Professor	Basic Science & Humanities
Dhanya R	Assistant Professor	Basic Science & Humanities
Savithry K S	Selection Grade Assistant Professor	Basic Science & Humanities
Pravitha K Nair	Senior Grade Assistant Professor (Pursuing Ph.D)	Basic Science & Humanities
Dr. Ganga Devi T R	Associate Professor	Basic Science & Humanities
Sajitha Saseendran	Assistant Professor	Basic Science & Humanities
Nisha K N	Assistant Professor	Basic Science & Humanities

	Selection	Grade	
Resmi V R	Assistant Professor (Pursuing Ph.D)		Basic Science & Humanities
Sruthi N L	Assistant Professor		Basic Science & Humanities
Dr. Jayasree T G	Associate Professor & HOD		Basic Science & Humanities
Dr. Jini Varghese P	Associate Professor		Basic Science & Humanities
Misha K N	Assistant Professor		Basic Science & Humanities
Krishnapriya	Assistant Professor		Basic Science & Humanities
Dr. Anand Krishnamoorthy	Associate Professor		Basic Science & Humanities
Renjini T N	Assistant Professor		Basic Science & Humanities
Sudesh Prabhakaran	Assistant professor		Basic Science & Humanities
Dr. Jayanthi K R	Assistant Professor		Basic Science & Humanities
Gouripriya Ramachandran	Assistant Professor		Basic Science & Humanities
Amal Pavithran	Asst.Professor (Pursuing PhD)		Basic Science & Humanities
Renjith K R	Senior Assistant Professor		Business School
Dr. Madhu C S	Professor		Business School
Manju M Mathew	Assistant Professor		Business School

Sidharth S Nair	Assistant Professor	Business School
Jisha J	Assistant Professor	Business School
Dr. Chinju CJ	Assistant Professor	Business School
Sooraj Krishnan C	Assistant Professor	Business School
Asha Rose Thomas	Assistant Professor (Pursuing PhD)	Computer Science and Engineering (Artificial Intelligence)
Sabitha M G	Assistant Professor	Computer Science and Engineering (Artificial Intelligence)
Gayathri Dili	Assistant Professor	Computer Science and Engineering (Artificial Intelligence)
Remya Raveendran	Assistant Professor(Pursuing PhD)	Computer Science and Engineering (Artificial Intelligence)
Dr. Amrutha Muralidharan Nair	Assistant Professor	Computer Science and Engineering (Artificial Intelligence)
Dr. Binju Saju	Assistant Professor	Computer Science and Engineering (Artificial Intelligence)

P V Rajaraman	Assistant Professor & Chief Technology Officer(CTO)	Computer Science and Engineering (Artificial Intelligence)
Dr. Sarika S	Associate Professor & HoD	Computer Science and Engineering (Artificial Intelligence)
Siji Jose Pulluparambil	Assistant Professor (Pursuing Ph.D)	Computer Science and Engineering (Artificial Intelligence)
Chaithanya C	Assistant Professor(Pursuing PhD)	Computer Science and Engineering (Artificial Intelligence)
Meenatchi K V	Assistant Professor	Computer Science and Engineering (Artificial Intelligence)
Dr. Vinila M L	Associate Professor & HOD	Robotics and Automation
Sreedeep Krishnan	Associate Professor	Robotics and Automation
Ranjeesh R Chandran	Assistant Professor - Selection Grade	Robotics and Automation
Anju Mary Joseph	Assistant Professor	Robotics and Automation
Ravi Balakrishnan	Adjunct Professor	Robotics and Automation

Dr. Athira M	Associate Professor	Robotics and Automation
Arun Kumar K	Assistant Professor	Robotics and Automation
Dr. Julia T J	Associate Professor	Robotics and Automation
Philip C Jacob	Assistant Professor	Robotics and Automation
Dr. Sreepriya S	Dean - Research and Associate Professor	Robotics and Automation
Dr Jeeshma Mary Paul	Assistant Professor	Robotics and Automation
Safeena M K	Assistant Professor	Robotics and Automation
Arya C V	Assistant Professor*(Study Leave)	Electronics and Biomedical Engineering
Dr. Lakshmi M Hari	Assistant Professor	Electronics and Biomedical Engineering
Nimmi Vijayan	Assistant Professor	Electronics and Biomedical Engineering
Winnie Ann Thomas	Assistant Professor	Electronics and Biomedical Engineering
Dr. Remya George	Associate Professor & HOD	Electronics and Biomedical Engineering
Dr. Surya D	Assistant Professor	Electronics and Biomedical Engineering

Shinu M M	Assistant Professor	Electronics and Biomedical Engineering
Dr. Tresa Joseph	Assistant Professor	Electronics and Biomedical Engineering
Dr. Silpa P A	Assistant Professor	Electronics and Biomedical Engineering
Aswin Raj V	Assistant Professor	Electronics and Biomedical Engineering
Krishna S Nair	Assistant Professor	Electronics and Biomedical Engineering
Dr. Binju Saju	Assistant Professor	Computer Science and Engineering (Data Science)
Dr. Sarika S	Associate Professor & HOD	Computer Science and Engineering (Data Science)
Siji Jose Pulluparambil	Assistant Professor (Pursuing Ph.D)	Computer Science and Engineering (Data Science)
Dr. Hari Narayanan A G	Associate Professor	Computer Applications
Dr. Sneha Prakash	Assistant Professor	Computer Applications
Dr. Vincy Devi V K	Assistant Professor	Computer Applications
Anjali Sankar	Assistant Professor	Computer Applications

Rintu
Augustine

Assistant Professor

Computer
Applications

Dignitaries Visited

His Excellency Dr A P J Abdul Kalam

Former President of India - 2005, 2010

His Excellency M Venkaiah Naidu

Former Vice President of India - 2018, 2020

Dr. Shashi Tharoor

Member of Parliament - 2019

Padma Shri Dr A S Kiran Kumar

ISRO Chairman - 2017

Sri. Oommen Chandy

Former Chief Minister of Kerala - 2004

Sri. P Sathasivam

Former Governor of Kerala - 2018

Dr M B Athreya

2004

Dr E Sreedharan

Principal Advisor DMRC - 2013,2019

Dr G Madhavan Nair

Former Chairman, ISRO - 2007

Smt. Sheila Dikshit

Former Governor of Kerala - 2014

Sri. K. Karunakaran

Former Chief Minister of Kerala - 2001

Sri. A K Antony

Former Defence Minister of India - 2001

Sri T K A Nair IAS

Adviser to Former Prime Minister of India - 2011

Padma Shri Dr Kota Harinarayana

Distinguished Scientist, DRDO - 2017

Padma Shri Nalli Kuppuswami Chetti

2017

Sri V N Rajasekharan Pillai

Former Vice Chairman, UGC - 2011

Swami Dr Parthasarathy

Chairman, United Nations Economic Planning Forum - 2010

Sri Sriram Bharath

2008

Dr Kasthoorirangan

Former Chairman, ISRO - 2009

Dr A Shivathanu Pillai

BrahMos chief - 2009

Vice Admiral Sunil K Damle

Flag Officer, Commandor in Chief Southern Naval Command - 2009

Renjith Maheshwary

Indian Triple Jumper - 2024

Dr. Vijay Vaidyanathan

Founding Chair · University of North Texas - 2024

V S Surekha

Indian Pole Vaulter - 2024

Vice Admiral Sunil Anand

AVSM NM (Controller of Logistics, Indian Navy) - 2019

Dr K Sivan

Director, Vikram Sarabhai Space Centre - 2017

Dr Tessy Thomas

Project Director (Agni IV Missile), DRDO - 2013

Dr Seetharam Gurumoorthy IAS

Former Addl Chief Secretary - 2006

Dr N S Ramaswamy

Former Director IIM, Bangalore - 2011

Prof. K Kannan

Vice-Chancellor Central University, Nagaland - 2007

Mini Ulanat

Vice-Chair, IEEE WIE India Council Committee - 2024

Dr. R Velraj

Vice Chancellor -Anna University 2023

Dr N Gopalakrishnan

Scientist and Former Hon. Director of Indian Institute of Scientific Heritage - 2011

Prof. Thomas J Delong

Director, Harward Business School - 2002

Sri. R Sreedharan

Vice President, L&T Info city - 2006

Dr S S N Moorthy

Chairman of Central Board of Taxes - 2007

Dr Achuthsankar S Nair

Director of Bio Informatics, University of Kerala - 2014

Mr David B Durocher

IEEE IAS President - 2014

Sri. Venu Rajamony

Ambassador of India to the Netherlands - 2015

Sri. N RaviChief Publisher, The Hindu Group

Chief Publisher, The Hindu Group - 2017

Dr Saji Gopinath

CEO, Kerala Startup Mission - 2017

Dr Shibulal

C O O, Infosys - 2010

Dr Prema Panduranga

2008

Sri Rajendra Damodara Yenkannamole

Founder Vasudeva Kriya Yoga, Melbourne - 2020

Accreditations & Ranking

[Home](#)
[About](#)
[Accreditations & Ranking](#)

Accreditations

All our eligible Under Graduate programmes are accredited by the National Board of Accreditation (NBA).

- B.Tech in Civil Engineering
- B.Tech in Computer Science and Engineering
- B.Tech in Electronics and Communication Engineering
- B.Tech in Electrical and Electronics Engineering
- B.Tech in Mechanical Engineering

For more details visit [IQAC](#)

About US

[Home](#)
[About US](#)
[Awards & Accolades](#)

Awards & Accolades

APJAKTU NSS Best Volunteer Award

2024	Appreciation award for coordination of blood donation activity in Ernakulam district
2024	Appreciation award for the participation in Project Ganitham ,an

	online tuition program for school students
2024	Recognition of our product uFarms powered by Teqard Labs Pvt Ltd incubated at Adi Shankara TBI
2024	Outstanding Humanitarian Student Volunteer award.
2024	Outstanding Student Branch Counsellor Award
2024	Project Smart Energy Metering System got selected for the MSEM Idea Hackathon 3.0 (for Women)

2024	Outstanding Student Branch Award.
2024	Appreciation award Cochin for the coordination of standard club activities
2023	APJAKTU University NSS award for Best volunteer
2023	Certificate of appreciation. From RBTC for organizing a voluntary Blood Donation Camp

2023	<p>State level appreciation for the exemplary service towards the coordination of District Level Quiz Competition.</p>
2023	<p>Certificate of Achievement for organizing and coordinating project Ganithham</p>
2023	<p>Certificate of recognition-IEDC in ASIET as a Technology business incubator (TBI)</p>
2023	<p>The best Project award “Virtual Screen for Night Driving,” Srishti.</p>

	Special appreciation for organizing State Level ENERGY CELL Annual Meet
2023	APJAKTU University NSS award for Best volunteer
2022	The best regular blood donor award.
2022	Accepted the Project proposal "AI Based Message Transmission and Reception System Using Visible Light"

2022	The best regional Coordinator of Rudhirasena
2022	The best NSS Volunteer of Kerala.
2022	The best 'COVID WARRIOR' Kerala award
2022	NSS volunteers received 'Sparsam Award'
2021	Kerala state NSS award for Best NSS unit

2021	APJAKTU University NSS award for Best volunteer
2021	APJAKTU University NSS award for program officer
2021	APJAKTU University NSS award for Best Unit
2021	Kerala state NSS award for Best volunteer
2021	Kerala state NSS award for Best program officer

2021	Kerala state NSS award for Best volunteer
2021	NSS National award for Best program officer
2021	NSS National award for Best NSS unit
2021	Global Education Skills MSME and Entrepreneurship Leadership Award
2021	OSM Cartographer Best College Award

2020	Kerala state NSS award for Best NSS unit
2020	Directorate of Technical Education NSS award for best volunteer
2019	Directorate of Technical Education NSS award for best unit
2019	Directorate of Technical Education NSS award for program officer
2019	Certificate of completion of AQMS (Automatic Queue Management System) product.

2019

Swatch Bharath Award

Mandatory Disclosure

[Home](#)
[Mandatory Disclosure](#)

Mandatory Disclosure

Contact Person Details

Title:	Dr.
First Name:	M S
Last Name:	Murali
Address:	Adi Shankara Institute of Engineering & Technology
Designation:	Principal

Town/cit/village:	Kalady
State/UT:	Kerala
District:	Ernakulam
STD Code:	0484
Land Phone Number:	0484-2463825

Fax Number:	0484-2463828
Cell Number:	+91 9880855302
Email Address:	principal@adishankara.ac.in

Organization Details

Title of the parent organization:	Adi Sankara Trust
Organization	Trust

Registered with	Govt
Registration date	30/07/1998
Registration number	90/1998
Organization Address	Vidya Bharathi Nagar, Mattoor road, Kalady
PIN	683574

Organization	www.adishankara.ac.in
Website	

Land Details

Location	Kalady
Total area in acres	10
Land registered with	Govt
Date of registration	30/07/1998

Ownership Details	Gift Deed
Land use certificate issued by	Village Officer
Land use certificate issued date	4/11/2000

Latitude(North/South)	NORTH
Latitude Degree	10

Latitude Minute	10
Latitude Second	41

Longitude(East/West)	East
Latitude Degree	76
Latitude Minute	25

Latitude Second	49
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Institution Details

Name of the institution	Adi Shankara Institute of Engineering & Technology
Address of the institution	Vidya Bharathi Nagar, Mattoor, Kalady, Ernakulam (Dist), Kerala
Town/City/Village	Kalady
State/UT	Kerala

District	Ernakulam
AICTE Region	South-West
PIN	683574
Approval Year of First Course	2001
Date of First Approval by AICTE Letter	13/07/2001

Bank Name	Bank of Baroda
Bank Account Number	62560200000040
Do you wish to change institution name?	No
Do you wish to change institution site address?	No
Bank IFSC Code	BARB0VJMATT

PAN	AABTA0123D
Institution Type	Unaided-Private
Any un-aided course?	No
Women Institute	No
Do you wish to change to Co-Ed?	No

Minority Institute	No
STD Code	484
Land phone number	0484-2463825
FAX number	0484-2463828
Primary Email	principal@adishankara.ac.in

Alternate Email	info@adishankara.ac.in
Website	www.adishankara.ac.in
AICTE File Number	SOUTH-WEST REGION/1-3327491437/2017/E OA

AICTE/KTU Approval/Affiliation

[Home](#)
[Academics](#)
[AICTE/KTU Approval/Affiliation](#)

Adi Shankara Institute of Engineering & Technology is approved by the All India Council for Technical Education (AICTE), New Delhi, and Affiliated to the APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram. The links below gives the proof and details of the orders of both AICTE and KTU regarding the same for those

UG Programmes

[Home](#)
[UG Programmes](#)

The undergraduate programmes at Adi Shankara Institute of Engineering and Technology are affiliated with APJ Abdul Kalam Technological University (KTU), Kerala. The B.Tech degree is a 4-year (8-semester) programme in Engineering and Technology. The institute offers nine B.Tech programmes, with five of these programmes(all eligible programmes - CE, CS, ECE, EEE, ME) being accredited by the National Board of Accreditation (NBA).

The following are the B.Tech Programmes offered by the institute:

B.Tech Programmes	First Year Intake	Lateral Entry Intake	Total	Duration
Civil Engineering *	60	6	66	4 Years
Computer Science & Engineering *	180	18	198	4 Years
Computer Science & Engineering (Artificial Intelligence)	60	6	66	4 Years

Computer Science & Engineering (Data Science)	30	3	33	4 Years
Electronics & Communication Engineering*	90	9	99	4 Years
Electronics & Biomedical Engineering	60	6	66	4 Years
Electrical & Electronics Engineering *	60	6	66	4 Years

Mechanical Engineering *	60	6	66	4 Years
Robotics & Automation	60	6	66	4 Years

* Accredited by NBA

PG Programmes

[Home](#)
[PG Programmes](#)

The postgraduate programmes at Adi Shankara Institute of Engineering and Technology are affiliated with APJ Abdul Kalam Technological University (KTU), Kerala. ASIET offers two-year programmes in M.Tech, Master of Computer Applications (MCA), and Master of Business Administration (MBA), each spanning four semesters.

PG Programmes	Department	Intake	Duration
Computer Science & Engineering	Computer Science & Engineering	18	2 Years
Communication Engineering	Electronics & Communication Engineering	18	2 Years
VLSI & Embedded Systems	Electronics & Communication Engineering	18	2 Years

Power Electronics and Power Systems	Electrical & Electronics Engineering	18	2 Years
Master of Business Administration	Adi Shankara Business School	120	2 Years
Master of Computer Applications	Computer Science & Engineering	60	2 Years

PhD Programmes

[Home](#)
[PhD Programmes](#)

The institution offers PhD programmes, affiliated to APJ Abdul Kalam Technological University. In addition to the advanced computational techniques, well-equipped laboratories are available for research in various departments. Highly efficient and dedicated research

guides are the backbone of our campus research center. The Institute has research centers in the following departments,

- Computer Science and Engineering (CSE)
- Electronics and Biomedical Engineering (EBE)
- Electrical and Electronics Engineering (EEE)
- Electronics and Communication Engineering (ECE)
- Mechanical Engineering (ME)

Research areas:

- Wireless Sensor NetworksFibre Optics
- Machine Learning applications
- VLSI Design
- Signal and Image Processing
- Electric Vehicle Technology
- Power Electronics
- Renewable Energy
- Cyber security

KTU Circulars

[Home](#)
[KTU Circulars](#)

Adi Shankara Institute of Engineering & Technology is affiliated to the APJ Abdul Kalam Technology University, Thiruvananthapuram. The university periodically uploads updates

and notifications which are important to the affiliated colleges as well the students in their portal. Given below is the link to the KTU portal

Internal Exam Cell

Adi Shankara Institute of Engineering and Technology (ASIET) follow the open and continuous internal evaluation system prescribed by the university. This document provides information on the redressal policy related to any sort of grievances raised by the students in connection with the internal examinations conducted at ASIET.

ASIET is committed to provide unbiased and transparent educational facilities to all its students. As a part of it, the internal examination conducted by the institution is fair and unprejudiced. Students are given ample chances to raise any grievance related to the conduct of internal examinations and the evaluation of answer scripts.

Objectives and Functions

- Establishing procedures and guidelines for assessing and evaluating examination results.
- Scheduling and monitoring the quality of internal examinations conducted at the institute level.
- Safeguarding the integrity and quality of the examination procedures.
- Moderating the question papers for examinations.
- Taking appropriate actions against any instances of misconduct during examinations.
- Ensure a bias free environment for all the internal evaluations.

Internal Examination Grievance Committee

Adi Shankara Institute of Engineering and Technology (ASIET) follow the open and continuous internal evaluation system prescribed by the university. This document provides information on the redressal policy related to any sort of grievances raised by the students in connection with the internal examinations conducted at ASIET.

S L N O	NAME	EMAIL ID	CONTACT NUMBER	ROLE
1	Smt. Pravith a K K, BSH	pravitha.neng@adishankara.ac.in	9447571881	Coordinator
2	Dr. Ramu R, ECE	ramu.ec@adishankara.ac.in	9495838678	Member
3	Dr. Silpa P A, EBE	shilpa.eb@adishankara.ac.in	9544113016	Member

4	Smt. Sreedevi R Krishna n, CSE	sreedevi.cs@adishankara.ac.in	96053593 48	Member

Capacity Building and Skill Enhancement

[Home](#)
[Capacity Building and Skill Enhancement](#)

In today's fast-paced world, a distinctive set of skills and knowledge is essential to meet the demands and challenges of our time. Recognizing this, ASIET has launched various capability development and skill enhancement programs to help bridge the gap between

demand and supply. These initiatives play a crucial role in preparing students for the workforce while fostering a sense of social responsibility

Soft Skills

Soft skills encompass a wide range of personality traits and habits, including social skills, interpersonal abilities, and a positive attitude. These skills shape how individuals interact with others and approach both life and work. At ASIET, soft skill development programs have been thoughtfully designed for various departments, ensuring that students are well-trained and prepared to meet the challenges of the modern business world.

Language and Communication Skills

Language development and communication skills encompass the various ways in which one understands and conveys information, with spoken words being just one component. Language serves as a powerful tool for effective communication. At ASIET, we provide a range of Language and Communication Skill Enhancement programs designed to help our students communicate with ease. Every course includes a mandatory presentation, emphasizing communication skills, which helps students build self-confidence and refine their ability to express themselves effectively.

Life Skills

"Life Skills" encompass the abilities necessary to make the most out of life, with any skill that proves useful in daily living considered a life skill. At ASIET, we prioritize the holistic development of our students. Following the WHO's list of essential life skills—such as Problem Solving, Decision Making, Creative Thinking, critical Thinking, Self-Awareness, Empathy, Good Communication, Stress Management, and Emotional Management—our School of Communication has developed a specialized course to teach and enhance these vital skills.

Awareness of Trends and Technology

Technology trend awareness refers to the ability to stay informed about emerging technologies that are gaining popularity and acceptance in the market or industry. It also involves recognizing and understanding the potential impact and usefulness of these technologies for success. Regardless of the industry or department, staying updated on technology trends is essential. To support this, the Heartian Beavers initiative at ASIET works to keep the campus and students up-to-date with the latest technologies through targeted training programs.

Civil Engineering

[Home](#)
[Department](#)
[Civil Engineering](#)

The Department of Civil Engineering of Adi Shankara Institute of Engineering and Technology has been functioning since 2013. Initially the Department was affiliated to Mahatma Gandhi University, Kottayam. Currently, the department offers a four year B.Tech programme under the affiliation of APJ Abdul Kalam Technological University (KTU) . The Department has a sanctioned intake of 60

students under the programme. The Department has grown tremendously over the past eleven years and have eight batches of students who have graduated from the Department. This is a professionally run department, focusing on an education system that emphasizes deep learning of the fundamentals, research and entrepreneurship to contribute to society and environment. The Department is accredited by the National Board of Accreditation (NBA) for the academic years 2024-25, 2025-26 and 2026-27.

Apart from academic courses, the department provides various add-on courses, hands-on training of software, industry incorporated expert talks, seminars and workshops to students as well as the faculty. The department has signed MoUs with various recognized institutions like KKM Soft, which can enhance the knowledge and original thinking of students.

As a never old discipline of engineering, the graduates from the department have a wide choice of career opportunities, right after their course. The students from the department have been placed in core companies like Dalmia Cements, as part of campus placements. Apart from the private companies, the job opportunities in public sector jobs, like Railways, SAIL, NTPC, BPCL, PWD etc. are higher when compared to other streams engineering.

The department is backed up by faculty who have completed their post graduations and PhDs from elite institutions like IITs and NITs. The department has well equipped laboratories and computing facilities to aid the students and faculties in research work and consultancy services.

Vision

To emerge as a centre of excellence in Civil Engineering with global perspectives

Mission

To impart quality professional education so that the students emerge as a competent professional in the area of civil engineering.

To promote innovative thinking and lifelong learning in budding engineers.

To produce civil engineers who have imbibed ethical values to serve the society and nation.

Program Educational Objectives (PEOs)

Graduates will have a potential to pursue higher studies and research in the field of civil engineering.

Graduates will be able to produce sustainable solutions with professional ethics for real time civil engineering problems.

Graduates will have managerial skills and leadership qualities in execution of civil engineering projects.

Graduates will be able to work with integrity and ethical values.

Program Specific Outcomes (PSOs)

After successful completion of B.Tech in civil engineering, the students will be able to:

Check the feasibility and sustainability of civil engineering projects by conducting geotechnical investigation, civil engineering survey and environmental impact assessment.

Analyse and design buildings, hydraulic structures and water distribution, waste management and transportation systems.

Execute civil engineering projects with their knowledge in estimation, project management, construction materials and technologies.

Computer Science & Engineering

[Home](#)

[Department](#)

[Computer Science & Engineering](#)

Welcome to the Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology. Established in 2001, the department has been an integral part of our college since its inception. Our NBA-accredited department offers B.Tech., M.Tech., and Ph.D.degrees, providing comprehensive education and research opportunities in the field.

India's fast-developing economy is witnessing significant progress across various industries, with the IT sector emerging as a major driver of this growth. NASSCOM recognizes India as the world's third-largest startup base, underscoring the IT industry's pivotal role in India's liberalization and development. At the core of this revolution lies Computer Science and Engineering, playing a crucial role in the success of both IT and startup sectors. The advent of startups has opened up exciting opportunities for Computer Science Engineers, who have traditionally contributed to services and product-based companies. Additionally, the Digital India campaign, initiated by the Government of India, has further fueled the demand for skilled professionals in the Computer Science stream.

In response to the escalating demand for Computer Science Engineers in this dynamic era, it is essential for them to possess multidisciplinary skills and stay abreast of the latest technologies. To cater to this need, the Department offers meticulously designed UG and PG programs in Computer Science and Engineering, equipping students with well-rounded skills for research and innovation. These programs provide a solid foundation for thriving in the fast-paced and ever-evolving IT industry.

Our faculty, a diverse group of motivated researchers, focuses on emerging areas such as Artificial Intelligence, Processor & Architecture Study, Image Processing, Data Analytics, Cyber Security, Mobile Ad Hoc Networks, Distributed Algorithms, Nature-Inspired algorithms, Image Segmentation, and Neural Networks, among others. The Department boasts state-of-the-art infrastructure and cutting-edge computing equipment, all backed by high-speed Ethernet and wireless networks. To cater to the passion of students inclined towards research and development of real-time, socially challenging solutions, we have four research labs: Multimedia, Data Analytics, and Bioinformatics Research Lab, and Cyber Security and Cyber Forensics Lab.

The department's strength lies in our well-qualified, research-oriented, and innovative faculty, who mentor and guide students to acquire industry-ready skills through additional courses. Our well-equipped labs offer ample opportunities for students to enhance their hands-on skills.

Our commitment to supporting students extends to the placement opportunities we provide, which are among the best in the industry. Additionally, the research-oriented environment fostered by our labs enables students to pursue higher studies and actively contribute to R&D activities.

Currently, we offer the following programs:

B.Tech in Computer Science & Engineering (Started in 2001) with a current intake of 180 students.

M.Tech in Computer Science & Engineering (Started in 2012) with a current intake of 18 students.

Ph.D in Computer Science & Engineering (Research Area include but not limited to: Artificial Intelligence, Internet of Things (IoT) and Smart Systems, Cybersecurity, Big Data Analytics, Augmented Reality (AR)/Virtual Reality (VR), Image Processing, and Theoretical Computer Science)

We are proud of our department's accomplishments and the success of our students, and we continue to strive for excellence in research, education, and innovation. We welcome you to explore the exciting opportunities and enriching experiences that our Department of Computer Science and Engineering has to offer.

[**NBA ACCREDITATION Certificate**](#)

Vision

Nurturing globally competent Computer science and Engineering graduates capable of taking challenges in the industry and Research & Development activities.

Mission

Imparting quality education to meet the needs of industry, and to achieve excellence in teaching and learning.

Inculcating value-based, socially committed professionalism for development of society.

Providing support to promote quality research.

Artificial Intelligence and Data Science

[Home](#)

[Department](#)

[Artificial Intelligence and Data Science](#)

Established in 2020, the Department of Artificial Intelligence and Data Science provide graduate programs endorsed by the All India Council for Technical Education (AICTE) and affiliated with APJ

Abdul Kalam Technological University (KTU). This department features cutting-edge infrastructure and a dedicated team of highly qualified and seasoned faculty members.

Artificial intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions. The term may also be applied to any machine that exhibits traits associated with a human mind such as learning and problemsolving. Artificial intelligence (AI) is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert systems, natural language processing (NLP), and speech recognition and machine vision

Why a Program in Artificial Intelligence

Artificial intelligence is the science that studies and develops methods of making computers more intelligent. The focus of this course is on AI fundamental, AI techniques for knowledge representation, search, reasoning, learning and designing intelligent agents. The primary objective of this course is to introduce the basic principles, techniques, and applications of Artificial Intelligence. Become familiar with basic principles of AI toward problem solving, inference, perception, knowledge representation, and learning. It can be scattered in the area of :

To have an understanding of the basic issues of knowledge representation and blind and heuristic search, as well as an understanding of other topics such as mini-max, resolution, etc. that play an important role in AI programs.

To have a basic proficiency in a traditional AI language including an ability to write simple to intermediate programs and an ability to understand code written in that language.

To have a basic understanding of some of the more advanced topics of AI such as learning, natural language processing, agents and robotics, expert systems, and planning.

To enable computers to perform an intellectual task as decision making, problem solving, perception, understanding human communication (in any language, and translate among them).

Why a Program in Data Science

In today's digital age, data has become the cornerstone of decision-making across industries. A program in Data Science equips you with the skills and knowledge necessary to navigate and

harness the power of this vast sea of information. Here are some reasons why pursuing a program in Data Science could be a game-changer for your career:

High Demand: Businesses worldwide are increasingly reliant on data-driven insights to stay competitive. As a result, there is a significant demand for professionals who can analyze, interpret, and derive actionable insights from data.

Lucrative Career Opportunities: Data Scientists are among the most sought-after professionals in the job market, commanding competitive salaries and enjoying a wide range of career opportunities across various sectors, including finance, healthcare, technology, and more.

Innovation and Problem-Solving: Data Science is at the forefront of innovation, driving breakthroughs in areas such as machine learning, artificial intelligence, and predictive analytics. By mastering the tools and techniques of Data Science, you'll be at the forefront of solving complex problems and driving transformative change.

Versatility: A program in Data Science provides you with a versatile skill set that is applicable across industries. Whether you're interested in business analytics, healthcare informatics, or cybersecurity, the principles of Data Science can be applied to address diverse challenges and opportunities.

Currently, we offer the following programs:

B.Tech in Computer Science & Engineering (Artificial Intelligence) with a current intake of 60 students.

B.Tech in Computer Science & Engineering (Data Science) with a current intake of 30 students.

Scope and Future of Artificial Intelligence & Data Science

It is a branch of the Computer Science that aims to develop intelligent computer machines. Scope of Artificial Intelligence: The ultimate effort is to make computer programs that can solve problems and achieve goals in the world, as well as humans. Artificial intelligence forms the basis for all computer learning and is the future of all complex decision making. The future of AI involves advanced cognitive (to read minds of others) systems capable of doing what machine learning systems can't. They will intelligently and fluently interact with human experts, providing them with articulate explanations and answers, even at the edge of the network or in robotic devices. Artificial Intelligence and Machine Learning are products of both science and myth. The idea that machines could think and perform tasks just as humans do is thousands of years old. The cognitive truths expressed in AI and Machine Learning systems .

Now a days various companies are migrating to AI based solutions to improve the productivity. While using AI based solution , it has been found that there is considerable amount of avoidance of confusions in the production environment.

The field of Data Science is evolving rapidly, driven by advancements in technology, increasing data availability, and changing business needs. Here's a glimpse into the scope and future of Artificial Intelligence & Data Science:

Explosive Growth: With the proliferation of data-generating devices and platforms, the volume of data being generated is growing exponentially. This creates vast opportunities for Data Scientists to extract valuable insights and drive innovation.

Integration with AI and Machine Learning: Data Science is closely intertwined with artificial intelligence (AI) and machine learning (ML). As organizations strive to leverage AI to automate processes and make data-driven decisions in real-time, the demand for skilled Data Scientists is expected to soar.

Industry Disruption: Data Science has the potential to disrupt traditional business models across industries. From personalized marketing and predictive maintenance to precision medicine and autonomous vehicles, Data Science is reshaping the way organizations operate and compete.

Ethical Considerations: As the use of data becomes more pervasive, ethical considerations around privacy, bias, and transparency are gaining prominence. Data Scientists play a crucial role in ensuring that data-driven decision-making is ethical, fair, and responsible.

The employment opportunities in the field of Artificial Intelligence & Data Science includes

- AI Designer Tool Development
- Innovative Product design tool box development.
- Development of Migration tools / environment.
- AI Technology consultant
- AI Technology Architect
- AI base game developer
- Machine Learning Engineer
- Data Scientist
- AI Research Scientist
- AI Ethics Analyst
- NLP Engineer
- Computer Vision Engineer
- Robotics Engineer
- Deep Learning Engineer
- AI Product Manager
- AI Consultant And many more..

AI & DS in real and future life

Once a consumer becomes a customer, AI can help future servicing interactions with emotion detection and emergent responses to the mood of the customer (damage control in some situations, upsell in other cases). Most of us are all trying to become better people and even better citizens. Most of us are all trying to become better people and even better citizens. AI can also play a role in helping us in everyday lives. In the case of multi-cultural interactions, AI can help us with language translation and to avoid subtle cultural missteps. Artificial intelligence (AI) at the forefront in changing the world and the way we live. This means that with AI, many of our everyday activities can now be carried out effectively by programmed machine technology.

Vision

To be in the frontier of AI technology through quality of education, collaborative research and produce globally competitive, industry ready engineers with social commitment.

Mission

Achieve excellence in the educational experience, fostering collaborative research through state-of-the-art infrastructure and innovative elements.

Establish industry collaboration to address interdisciplinary challenges across diverse applications.

Inspire students to develop into ethical, Innovative and entrepreneurial leaders through a socially-centered program

Standards Clubs

[Home](#)
[Social Service Cell](#)
[Standards Clubs](#)

BIS has taken the initiative of creating Standards Clubs in educational institutions comprising teachers and students as members. Through a variety of activities under these Clubs, young talents get learning opportunities in the field of quality and standardization. Teachers have an important role in the activities of the Clubs and would serve as beacons of light, guiding and motivating students to channelize their creativity and enhance their scientific temperament. Though in its nascent stage, the Standards Clubs have already garnered prominence and are being enthusiastically promoted by educational institutions to supplement and improve the schooling experience of students and provide opportunities to better their professional and personal growth. A unit of Standard club was formed at ASIET in 2023. ASIET is associated with Kochi branch of Bureau of Indian Standards.

Activities under the Standards Club

The Standards Club IS carry out a variety of student-centric activities aimed at providing them opportunities for learning on the themes of Quality and Standardization. Such activities are undertaken within the Institution or outside as stand-alone programmes or as part of other programmes of the Institutions such as Annual Day, School Fair, Exhibitions, Teachers' Day, etc.

Organizing meetings of the Standards Clubs for imparting knowledge to the Student Members about Standardization, Quality and the structure and content of standards. Organize at least two or more programmes in an academic year, at least one each on the following two themes: i) Competition on writing Standards ii) Workshops / Seminars on specific standards, workshops on areas for developing new standards, industry-oriented projects on standards, etc.

Bhumi Club

[Home](#)
[Social Service Cell](#)
[Bhumi Club](#)

Bhumi is one of India's largest independent youth volunteer non-profit organisations. Bhumi capitalises on the volunteering force of Indian youth, playing a catalyst in directing India and the youth towards a better tomorrow. Bhumi has established itself as a frontline charity organisation that helps poor children to

realise their potential, raise their aspirations and recognise their achievements in various fields. [Bhumi Club program is a transformational social change leadership journey for college students to be the change and lead the change in their college. This program, through structured support & training, will boost college recognition and empower students to become NEXTGEN leaders. Bhumi club was started functioning at ASIET in 2024.

ASAAD Sena

[Home](#)
[Social Service Cell](#)
[ASAAD Sena](#)

The Antidrug Cell of the college is dedicated to creating a safe, drug-free campus environment through education, prevention, and support initiatives. The cell aims to equip students and staff with the knowledge and tools to combat drug abuse by fostering awareness and providing essential resources.

Committed to promoting holistic well-being and responsible citizenship, the cell actively engages the college community in building a healthier and more secure future.

Computer Applications

The ASIET Master of Computer Applications (MCA) program teaches students research and innovation skills. Students are immersed in cutting-edge technology and taught a transdisciplinary, application-oriented approach to tackling real-world challenges. The Department of Computer Application has a diverse group of motivated researchers in emerging fields like Artificial Intelligence (AI), Machine Learning (ML), Deep Learning, Internet of Things (IoT) and smart systems, Image Processing, Augmented Reality/Virtual Reality, Big Data Analytics, Network Security, Mobile Ad Hoc Networks, Distributed Algorithms, Nature-Inspired Algorithms, and Processor & Architecture Study. Three well-equipped research labs—Multimedia, Data Analytics, and Bioinformatics—serve student research needs. These labs let students solve societal issues in real time. The MCA department is built on highly trained teachers who are research and innovation-oriented. They mentor students to take more courses to gain industry-ready skills. Students can practice their practical skills in well-equipped labs. ASIET instructors and facilities strive to offer students the finest placement chances. Research labs also encourage students to pursue further education and participate in R&D.

Vision

Nurturing globally competent computing professionals with innovation, Research, entrepreneurship skills and social commitment.

Mission

Quality education with industry collaboration and excellence in teaching learning process
Provide cogent academic environment for research , innovation and entrepreneurship
Inculcating socially committed professionals for the development of society

Electronics & Communication Engineering

Home
Department
Electronics & Communication Engineering

The Electronics and Communication Engineering (ECE) Department is one of the oldest of the departments of the institute and was established in 2001.

The initial journey was concentrated towards setting up the UG program (B. Tech. in Electronics and Communication Engineering) followed by M. Tech Programs in two specializations (M. Tech. in VLSI and Embedded Systems and M. Tech. in Communication Engineering).

The B. Tech and M. Tech students are admitted under APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala.

Our institute is an approved research center of APJ Abdul Kalam Technological University and the ECE department offers Ph.D. programs in different frontier areas of research. The Department excels in External Funded Research and Industry driven consultancy projects. It is actively involved in organizing conferences, short courses, workshops, and seminars for practicing engineers and also in curriculum development activities.

The journey, so far, has been the result of hard work put in by the faculty, the staff, and the students with the support of the Institute level administration.

The Department is well-equipped with laboratories i.e. Digital IC lab, Communication Lab, Electronic circuits Lab, Systems Lab, Project Lab, and Simulation lab which cater to program needs. Adequate numbers of computers with the required software are available and along with the Central Internet Lab, the Department has internet access on a few other computer terminals. The Department has a highly competent and devoted faculty with vast teaching and industrial experience, qualified from highly reputed institutions.

An excellent academic environment is available for creative and productive work both for faculty as well as students.

Department Highlights

UG Program

B.Tech Electronics & Communication Engineering (Started in 2001) with a current Intake of 90 students.

PG Program

M.Tech VLSI and Embedded Systems (Started in the year 2012) with a current Intake of 18 students.

M.Tech Communication Engineering (Started in the year 2013) with a current Intake of 18 students.

Ph.D Program

The Department provides a Ph.D Program designed to foster research and innovation in Electronics and allied fields.

NBA ACCREDITATION STATUS

March 2018 - June 2021 ([Ref - F.No.26-56-2016-NBA, Dt : 29/03/2018](#))

Extension (1 Year) ([Ref - F.No.26-56-2016-NBA, Dt : 02/07/2021](#))

Reaccreditation till 30.06.2025 ([Ref - F.No.26-56-2016-NBA, Dt : 26/08/2022](#))

Approved Research Centre – APJ Abdul Kalam Technological University

Approved Ph.D. Guides/Supervisors : 3 (Ac. Yr : 2021-22)

No of Research Scholars : 13 (Part Time)

No. of Ph.Ds Awarded : 1

Dedicated Research Laboratories

ARISE Lab	Internet of Things (IoT) lab (Texas Instruments, India supported)	Advanced Communication Lab (MODROBS Funded)
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Annual International Conference – ACCESS

(Advances in Computing, Communication, Embedded and Secure Systems)

[ACCESS '20](#)

[ACCESS '21](#)

[ACCESS '23](#)

Functional MoU with Industries – 7

9 PATENTS Published

AICTE grant of 18.17 Lakhs – MODROBS for Communication lab

Sponsored Projects and Consultancy Works of about 30 lakhs (Last 3 Years)

Funding Agencies – AICTE, APJAKTU CERD, KSCSTE, IEI, KSUM

300+ NPTEL/Coursera – MOOC

Best Project Awards.

Best NSS Volunteer Awards (State level – KTU)

2021 -- Lakshmi Nandana N R (2018 - 2022 Batch)

2020 -- M Gowri (2016 - 2020 Batch)

[DEPT. WEBSITE - \(Click here to know more\)](#)

[Department Brochure \(1\)](#)

[Department Brochure \(2\)](#)

Vision

To be recognized at the national and international level for excellence in Education and Research in Electronics and Communication Engineering.

Mission

Inculcating leadership qualities, adaptability, and ethical values.

Imparting quality education in the field of electronics, communication, and related areas to meet the challenges in the industry, academia, and research.

Nurture the growth of each individual by providing a dynamic and conducive learning environment.

Electrical & Electronics Engineering

The Electrical and Electronics Department, established in 2001 and affiliated with Kerala Technological University, is a hub of innovation and learning in electrical engineering and electronic technologies. Offering B.Tech in Electrical and Electronics Engineering and M.Tech programs in Power Electronics and Power Systems, and recognized as an approved research center under KTU, the department combines theoretical foundations with practical applications. Our state-of-the-art laboratories, experienced faculty, and strong industry connections create an enriching environment for research and hands-on learning. Through cutting-edge projects, industry collaborations, dynamic student clubs, and community development initiatives we foster a culture of innovation and leadership, empowering students to excel in their careers and contribute meaningfully to society.

Department Highlights

NBA Accreditation: Recognized excellence by National Board of Accreditation till June 2025

22 Years of Excellence: A proven track record of providing high-quality education and fostering innovation for over two decades.

Strong Placement Records: Ensuring promising career opportunities for EEE graduates.

Innovative Student Projects: Showcasing creativity, including the development of two electric vehicles, drones, hydrogen generation system.

Vidyuth Initiative: Community development through the electrification of over 100 homes, demonstrating a commitment to social impact.

Solar Power Sustainability: A 30 KWp solar power plant installed and maintained by EEE, emphasizing environmental responsibility.

Industry Collaborations: Partnerships with prominent companies such as InQbe Innovations Pvt.Ltd.,MTTC International LLC,Riod Logic PVT.Ltd.,L&T Switchgear, Nest Institute of Fiber Optic Technology Pvt. Ltd, Athul Energy Consultant and BEACON Energy Storage Systems Pvt.Ltd. for real-world exposure.

Professional Societies: Active engagement in IEEE Power & Energy Society (PES), IEEE Industry Applications Society (IAS), and Society of Energy Engineers and Managers (SEEM) for networking and professional development.

Add-on courses: Enhance electrical engineering expertise with supplementary courses in Autocad, Autodesk Revit, Autocad Electrical, Embedded Systems, Python, IoT, and AI, Data Science providing practical skills and preparing for diverse industry demands.

Courses Offered

B.Tech in Electrical and Electronics Engineering with an intake of 60 students (started in 2001)

M.Tech in Power Electronics and Power Systems with an intake of 18 (started in 2012)

Ph.D in the thrust area of Power Electronics (started in 2023)

Faculty Strength

Total: 17 teaching faculty and 5 non-teaching staff

Faculty with PhD - 5

Pursuing PhD - 8

Department Achievements

IEEE IAS CMD Humanitarian Contest Award in 2024

1 KTU RSM funded project (Rs.67,000) in 2024

2 CERD funded projects in 2024

1 patent granted in 2024

Financial support Rs.5.5 lakhs from MSME Idea Hackathon 3.0 (for women) in 2024

IEEE IAS CMD Humanitarian Contest Award in 2023

1 student member in KTU Basketball Team in 2023

IEEE Outstanding Student Branch Counsellor Award, Kochi Subsection in 2023

Best NSS Program Officer Awards (from President of India in 2021, KTU in 2021 & 2020)

National level silver award from SEEM in 2017

IEEE Outstanding Student Branch Counsellor Award, Kerala Section in 2017

1 Certified trainer for Electrical Systems Design software

NBA Accreditation Status

March 2018 - June 2021

Ref - F.No.26-56-2016-NBA, Dt : 29/03/2018

Extension (1 Year)

Ref - F.No.26-56-2016-NBA, Dt : 02/07/2021

Reaccreditation till 30.06.2025

Ref - F.No.26-56-2016-NBA, Dt : 26/08/2022

Vision

To be an exemplary department in electrical engineering to facilitate value imbued quality professionals.

Mission

Impart state of the art knowledge in Electrical and Electronics Engineering field.

Inculcate the culture of Research and lifelong learning.

Facilitate the professionals with commitment towards social & ethical values.

Program Educational Obectives (PEO)

Graduate will handle the modern tools and take diverse career path/research/higher education.

Graduate will excel in career with managerial and leadership qualities.

Graduate will have skills to work in teams with integrity and ethical values.

Program Specific Objectives(PSO)

Graduates will be able to analyze design and provide engineering solutions in the areas related to Power Electronics, Drives, and Power Systems.

Graduates will be able to apply domain specific knowledge to provide solutions in the areas related to Control & Automation and Electrical system Design

Electronics and Biomedical Engineering

The Department of Electronics & Biomedical Engineering at Adi Shankara Institute of Engineering and Technology, established in 2021, is the only self-financing college in Kerala to offer an engineering course in Electronics & Biomedical Engineering under APJ Abdul Kalam Technological University. The program imparts knowledge in fundamental and diverse areas, including Electronic Circuits, Biomedical Instrumentation, Modeling of Physiological Systems, Biomaterials, Biomechanics, Biomedical Signal and Image Processing, Neural Networks, VLSI, Biosensors and Transducers, Digital System Design, Embedded System Design, Deep Learning, Medical Robotics, IoT in Medical Applications, Hospital Engineering, and Medical Imaging Techniques such as CT, MRI, and Ultrasound. Students also have opportunities to undergo industrial-linked electives from major healthcare MNCs based on their choice. The department is well-equipped with standard test and measuring instruments, computing facilities, and clinical-grade medical instruments. With a perfect blend of theoretical and practical knowledge in electronics and medical technologies, students will develop the capability to solve challenges in healthcare.

We have established strong partnerships with leading industry players such as HORIBA India Pvt. Ltd. and the analytical instruments giant to facilitate internships, industry projects, and technology transfer in the electronics and biomedical sectors. These collaborations provide students with real-world experience and enhance their employability upon graduation. Additionally, several student organizations and clubs support electronics and biomedical engineering. These groups aim to promote leadership qualities, team spirit, and professional development by arranging various activities like workshops, seminars, and networking events.

Graduates from our department are well-equipped to pursue diverse career paths in industries such as healthcare, telemedicine, wearable electronics, clinical engineering, regulatory affairs, and AI in healthcare. They work as biomedical engineers, research scientists, consultants, and entrepreneurs, contributing to advanced technology and healthcare. We actively engage with the local community through outreach programs, workshops, and seminars aimed at STEM

education and raising awareness about the role of electronics and biomedical engineering in improving quality of life and healthcare delivery.

The Electronics and Biomedical Engineering Department at ASIET is committed to excellence in education, research, and innovation. With world-class faculty, state-of-the-art facilities, and strong industry partnerships, we strive to empower our students to become leaders and innovators in the dynamic fields of electronics and biomedical engineering. Adi Shankara Institute of Engineering and Technology in Kalady, Ernakulam, has been rated as one of the best engineering colleges in central Kerala. We welcome you to Adi Shankara.

Social Media Link

[Linkedin](#)

[Instagram](#)

[Facebook](#)

Currently, we offer the following programs:

B.Tech Electronics & Biomedical Engineering (Started in 2021) with a current intake of 60 students.

COME, JOIN US IN SHAPING THE FUTURE. BIOENGINEER YOURSELF FOR TOMORROW.
LET US MAKE THIS WORLD A BETTER ONE, FOR THE GENERATIONS TO COME.....

Vision

Evolve as a premier centre in Electronics and Biomedical Engineering to meet the ever increasing needs for affordable and accessible health care technology focusing on innovative thinking and skill enhancement.

Mission

Provide quality professional education at par with global standards in the field of Biomedical Engineering with excellent faculty and infrastructure.

Foster a culture of multidisciplinary research, comprehensive practical learning, and generate pioneering innovations by collaborating with industrial and clinical experts.

Inspire biomedical engineering graduates to be responsible to address critical healthcare challenges with empathy and dedication for the betterment of mankind.

Mechanical Engineering

The Department of Mechanical Engineering was started in the year 2006 and accredited by NBA in the year 2018. The department offers B. Tech. program in Mechanical Engineering. At present, the department intake capacity is 60 students per year at the B. Tech. The department has competent and committed faculty members drawn from the industry sector, and the core faculty are experienced professionals and academicians who enhance the delivery of academic programs. There are 18 teaching faculty members in the department and most of them have at least 10 years of experience.

The department has evolved a comprehensive student-centric learning approach, designed to add significant value to the learner's understanding in an integrated manner through workshops, lab sessions, assignments, training, seminars, projects and independent study. The hands-on training offered by our CAD/CAM laboratory in the latest design and analysis software brings in a formal method of familiarizing with the industrial practices. This helps the students to apply their classroom knowledge to live industrial problems. The department is equipped with ten laboratories, and nine workshops. The laboratories and computing facilities are made available to the students and staff until late at night and on all working days.

Vision

To make the Mechanical Engineering Programme a Centre of Excellence in professional education and research.

Mission

- To provide quality education for moulding competent professionals in Mechanical Engineering
- To facilitate continuous learning environment
- To promote collaborative activities and positive contributions to society

Robotics and Automation

The department of Robotics and Automation is established to meet the growing demand for trained engineers in the field of industrial automation. This is a futuristic cross-sectional discipline that requires a sound, proportional knowledge of hardware as well as software. This unique program is tailored to train and mold quality automation engineers to meet the needs of various engineering fields

Why a course in Robotics & Automation

The recent developments in process industries and the medical field clearly show the increasing demand for automation and the use of robots for various applications. Studies state that in the coming years most of the human jobs currently done will be managed by robots/ robotic machines with and without intelligence. Advances in artificial intelligence and machine learning have helped robotics to spread its wings outside industrial ecosystems. Robotics is a field of engineering that deals with the design and application of robots and the use of a computer for their manipulation and processing. Robots are used in industries for speeding up the manufacturing process and this has created an emerging area of research called Robotic Process Automation. They are also used in the field of medicine, nuclear science, sea-exploration, servicing of transmission electric signals, designing of bio-medical equipment, etc. Robotics requires the application of computer integrated manufacturing, mechanical engineering, electrical engineering, biological mechanics, software engineering. Automation and Robotics Engineering is the use of sensors, actuators, control systems and information technologies to reduce the need for human intervention. In the scope of industrialization, automation is a step beyond mechanization. This course will equip the students to enhance their technical skills to suit the changing requirements of the engineering society. There is a wide scope of higher education and entrepreneurship in the field of robotics.

Scope of Robotics & Automation

Increasing the demand for quality products and services at low cost has led industries towards automation and robotics engineering. Shortly, robotics and automatic systems will be replacing

human intervention in several hazardous places including mining. The manufacturing industry also requires a specialized workforce to replace manual human laborers. The field is dynamic and has lots of arms like designing, maintenance, functional, and programming (software and hardware).

Employment opportunities for graduates includes:

- Robotics Process Automation.
- Space research.
- Automation companies.
- Automotive companies.
- Manufacturing and processing industries
- Telemedicine and surgery.
- Biomedical industries.
- Higher studies.
- Entrepreneur's opportunities.
- Domestic and Home Automation.
- Design and Analytics.

Vision

Progress through quality education and evolve into a center for academic excellence in the field of Robotics and Automation.

Mission

- To provide supportive academic environment for value added education and continuous improvement to become the leaders in robotic research and education.
- To develop socially responsible engineers with technical competence, leadership skills and team spirit.

Business School

Adi Shankara Business School, the Department of Management Studies takes pride in being part of a 70-year-old legacy that believes education is life. In ASBS management learning is a continuous process and we strive to ensure that what is learned remains with the participants for a lifetime. Since its inception in 2004, the School has worked hard to offer progressive, research-led management education while being firmly rooted in its ideologies. The Business School is located in the idyllic, environment-friendly campus of Adi Shankara Institute of Engineering and Technology. It is run by the Adi Sankara Trust under the patronage of Sri Sri Jagadguru Sankaracharya of Sringeri Sarada Peetham.

We at Adi Shankara Business School firmly believe that theory and practice are two sides of the same coin, which makes sustained learning possible. While theoretical knowledge teaches the students the technicalities of a subject, experiential learning leads to a deeper understanding of a concept. We try to ensure that our participants learn and apply their knowledge, inside and outside the classroom, without adding extra months or years to their studies.

At the Adi Shankara Business School, the MBA participants are not merely acquiring knowledge within a narrow and constrained classroom settings but they apply the gained knowledge to real world business challenges through hands-on practice and proof test the accumulated pool of knowledge. The participants go beyond the four walls and experience what business leaders endure and learn the crux of business as they manage different facets like time management, stress management, managing finance and group dynamics through our unique programs like Aswamedha, Bizthon, One Day Sale, Campus to Corporate as well as the student chapter activities of ISTD and KMA aimed to kindle the spirit of social awareness among the business school participants.

Vision

To emerge as a center of excellence in Management Education and Research through value-based learning.

Mission

- To disseminate quality education in management through a holistic and innovative approach.
- To foster a conducive learning environment and encourage continuous improvement.
- To build leaders of ethical values who can contribute to organization and society.

Placement

A Real Technocrat is a personality who can identify the exact relationship between Science, Technology, Engineering and Mathematics to solve any challenging problem of Industry or Corporate. We mould our students by enabling them to learn professionally the Basics of Engineering and Science, adopt an approach different from others in solving problems, innovate, and develop a unique identity of Technocrat. Training and Placement Cell of ASIET exposes each and every student to the above culture as well as raises them to global standards.

Vision

- Symbiotic sustained excellence in training, placement, and career orientation.

Mission

- To assist the development of graduates with balance to set of technical skills, interpersonal skills and a positive attitude towards life.
- To act as a nodal agency in the institution for giving technology alliance between the industry and the institute.
- To act as a seamless conduit between industry and institute and provide quality, manpower to suit every organizational need.

Basic Science & Humanities

The Basic Science and Humanities Department serves as the cornerstone of all engineering disciplines, providing budding engineers with a profound understanding of scientific principles crucial for shaping the future of technology. Grounded in the belief that a comprehensive education must integrate technical proficiency with ethical values, our department offers a diverse curriculum aimed at fostering innovation, critical thinking, and societal responsibility.

Our esteemed faculty, comprising over 20 dedicated experts in Mathematics, Physics, Chemistry, Economics, and English, exemplifies a steadfast commitment to excellence in teaching and research. Equipped with specialized classrooms and cutting-edge laboratory resources, the department is fully equipped to facilitate academic pursuits and research undertakings. Our faculty members possess outstanding academic qualifications and demonstrate unwavering dedication to their roles. Many faculty members actively engage in collaborative research initiatives, further enhancing the department's scholarly contributions.

The Science Club and the Mathematics Club thrives under the leadership of dedicated faculty members of the BSH department. The Science Club guided by Dr. Anand and Ms. Resmi focuses on fostering interest and engagement in scientific inquiry. The Mathematics Club, aimed at enhancing mathematical skills and promoting problem-solving activities, is managed by Mrs. Savithri and Mrs. Sajitha.

Both clubs provide valuable opportunities for students to deepen their knowledge and participate in enriching extracurricular activities.

The department also emphasizes the development of students' proficiency in the English language, fostering their ability to think critically and communicate effectively. Additionally, it promotes student participation in various extracurricular activities such as art, cultural events, debates, and group discussions, encouraging the display of individual talents.

Vision

To be a centre of excellence in the discipline of Basic Science and Humanities.

Mission

To develop human resources with sound theoretical and practical knowledge in Basic Sciences and Humanities and the ability to apply the knowledge to benefit of the society.

ASIET LIBRARY

The ASIET Central Library is an integral part of the institution, situated in the main academic block across two floors. It covers an area of 942 meter square and offers a peaceful environment for users to access information.

The library has a seating capacity of 120 people, providing ample space for students, faculty, and staff to study and conduct research. The serene setting promotes a conducive atmosphere for learning and knowledge acquisition.

To enhance efficiency and accessibility, the library is automated with KOHA, an open-source integrated library system. This automation streamline processes such as cataloging, circulation, and inventory management, making it easier for library staff to manage the collection and assist users effectively.

The library follows an Open Access System, which means that the resources are readily available to users without any restrictions or barriers. Users can explore the collection and access the information they need without any additional authorization requirements.

To check the availability and status of a book, users can utilize the Online Public Access Catalogue (OPAC). This online catalogue allows users to search for specific books, view their availability, and obtain information about their location within the library. It serves as a valuable tool for users to navigate the library's collection efficiently.

Facilities

The library provides a range of facilities to enhance the learning and research experience for users. Some of the facilities offered include:

8 AM to 8 PM opening hours

Software enabled library transaction

E-Gate register

Open access

Digital library

Internet Browsing

E-Resources

Seminars/Webinars for E-Resource Usage:

Plagiarism Checking

OPAC

Reprographic service

User awareness programmes

Display of new arrivals

Feedback/Suggestion box

Washroom facility

Library Rules

- Identity card is compulsory for entering the library: Every individual entering the library must possess a valid identity card issued by the institution. This is necessary for identification and security purposes.
- No external manuscripts should be brought into the library/reading room.
Keep all belongings in the racks provided for the purpose
- Using Mobile phones and audio instruments with or without speakers or headphones is strictly prohibited on the library premises.
- Tampering with/damaging the book will result in a fine: Any form of tampering with or damaging library books, including underlining, highlighting, tearing pages, or writing in them, is strictly prohibited. Violators will be subjected to a fine amounting to double the cost of the book as a penalty.
- Issued books and external books shall not be brought into the library /reading room
- Students can take books from the rack for reference with the concern of the library staff after making an entry in the register, for use inside the library only.

- CDs are available in the library. A separate request should be lodged with the librarian for taking CDs outside the library and to be returned in the same condition.
- Journals/ Magazines are not generally issued however, overnight lending of journals/magazines is possible on written request
- Teaching staff are entitled to take 10 books: Teaching staff members are allowed to borrow up to 10 books from the library. They are permitted to retain the books for a period of one month.
- Students can borrow five books for two weeks and one book for one semester through a book bank scheme.
- Refreshments of any kind shall not be taken anywhere on the library premises: In order to maintain cleanliness, hygiene, and to avoid damage to library materials, it is strictly prohibited to consume any form of refreshments inside the library premises. This includes food, beverages, and snacks.

Hostel

Boy's Hostel

College provides separate hostel facility for first year and higher semester students. Adi Shankara Senior Boy's hostel is built in three floors and accommodates 2nd, 3rd, 4th year B.tech students and PG students. This hostel can provide accommodation facility for one hundred and ninety inmates. It has 56 rooms with 4 per room facility and four spacious dormitories. It also includes 8 faculty rooms with attached bath facility. The institute also provides separate hostel facility for first year boy's with a total accommodation capacity of 150. There is one senior faculty as Hostel warden, one resident hostel warden and a resident tutor faculty for maintaining discipline and facilitating a learning atmosphere in hostel.

- Each floor has a resident warden from teaching staff
- Round-the-clock WiFi connectivity
- Separate reading rooms on each floor
- Common room for Television
- Badminton Court
- Volley Ball Court
- Football Field
- Table Tennis
- Gym Facility
- Carrom board, Chess board

Girl's Hostel

We provide separate hostel facilities for the Lady Students which can accommodate more than 300 students. The ladies hostel offers a choice of rooms, including both air-conditioned (AC) and non-air-conditioned (Non-AC) options. Facilities are available with rooms of varying capacities, including rooms that can accommodate 3, 4, or 5 individuals. There are separate reading rooms on each floor and a common area provided for watching television. For managing hostel activities, three residential wardens and two matrons are available in the hostel on all working days.

Security person ensures the safety of the residents 24x7. Four sanitation workers are available on Monday to Saturday (8.00 AM to 5.00 PM)

More than 300 students' accommodation for girl students

3 Guest Faculty Room

Each floor has a resident warden from teaching staff

Round-the-clock WiFi connectivity

Separate reading rooms on each floor

Common room for Television

Badminton Court

Carrom board, Chess board

Laundry service

Mess with dining area

Canteen

The centrally located College Canteen meets the catering requirements for all the staff and students. The spacious canteen can comfortably accommodate 500 persons at a time. A variety of South Indian food and snacks are served here with highest quality. Special attention is paid to ensure food safety and hygiene. The canteen functions from 8.00 AM till 5:30 PM and offers a delectable array of dishes for breakfast and lunch. The canteen also offers a wide array of snacks and beverages at a very affordable rate. The dining hall, with a separate section for staff, can seat a sizeable amount of people and is spaced right next to the service area. The canteen is operated by a host of well-mannered and efficient staff. Self-service is encouraged.

IT Infrastructure

The campus is equipped with a state-of-the-art network infrastructure, including a high-speed 1 Gbps 1 : 1 LL internet connection and a 10 Gbps Single Mode Fiber LAN backbone utilizing Ring Topology with an MPLS switch. ASIET operates with a robust IT infrastructure supporting academic and administrative operations. Over 1000 systems, distributed across diverse departments and laboratories, form the backbone of this infrastructure. These systems are standardized with a mix of i5 and i3 processors, complemented by 16 GB or 8 GB of RAM for efficient multitasking. High-speed operations are facilitated by 512 GB or 256 GB NVMe storage drives. Visual output is displayed on either 20-inch or 18.5-inch monitors. To ensure uninterrupted workflow, all labs and departments are equipped with sufficient UPS systems, providing reliable power backup.

Servers, Storage and Workstation

ASIET has invested in a modern IT infrastructure consisting of two Dell rack-mounted servers and a NAS storage solution. Additionally, we utilize Hyper-V for server virtualization and leverage a mix of operating systems including Ubuntu 23 Server OS and Windows 2019 Standard. This robust setup supports various services like LDAP, NFS, DNS, DHCP, FTP, Databases (MySQL & PostgreSQL), and library management systems (KOHA & D SPACE).

Wi-Fi Authentication

ASIET has implemented the Simply5 Wi-Fi management solution for authentication and user management. Leveraging the cloud-based Simply5 Edge platform, we have established a dynamic and scalable user access management system capable of supporting environments ranging from small 50-user sites to large 2500-user arenas. To support this infrastructure, 150 Nos Grand Stream and Aruba access points have been deployed across the campus, including the ladies' and men's hostels

Firewall and Switches

ASIET has deployed a FortiGate 200F firewall as a cornerstone of its network security infrastructure. This robust security measures protect against cyber threats, including unauthorized access attempts and malicious attacks.

To enhance network performance and reliability across its various computer labs and departments, ASIET has strategically implemented a combination of CISCO CBS350-24L2, Aruba ION 1930-24L2, and Aruba ION 1830 network switches. This infrastructure provides robust connectivity, ensuring seamless operations within these critical areas of the institution.

Bank & ATM

A branch of Bank of Baroda that provides Core Banking Services (CBS) operates on the campus. Its ATM facility is also available on the campus and is situated near the Security Gate. Payment of all types of fees by the students can be made through the bank.

Working hours of the Bank:

10.00 hrs to 14.00 hrs and 14.30 hrs to 15.30 hrs. on all working days

10.00 hrs to 13.00 hrs on all Saturdays

Central Facilities

[Home](#)
[Campus](#)
[Central Facilities](#)

We provide four spacious conference halls that cater to the various needs such as conducting Seminars, International Conferences and so on.

Seminar Hall

This fully air conditioned halls deluged in magnificence can seat an audience of 500. It's a unique specimen of opulence and grandeur. The air conditioned conference hall in each Department has an amplitude to accommodate 75 people in classroom style and is well furnished with all the modern facilities for conferencing

Auditorium

ASIET has a state of art interior auditorium which is equipped with all modern technical support and a seating capacity of 1000, these colossal halls provide the right ambience for the conduct of large scale events.

Open Air Auditorium

ASIET is equipped with an excellent outdoor venue designed to host a variety of events such as cultural and technical, and community gatherings. It helps to create a memorable atmosphere, allowing audiences to enjoy cultural and artistic events in an inviting, natural setting.

Mini Seminar Hall

The air conditioned conference hall has an amplitude to accommodate 75 people in classroom style and is well furnished with all the modern facilities for conferencing.

Sports & Games

Physical Education in colleges is instrumental in promoting physical fitness, developing social skills, enhancing mental well-being, and educating students about healthy living. It equips students with the necessary knowledge and skills to maintain a healthy and active lifestyle throughout their lives.

At ASIET ,Physical Education is integrated into the college curriculum which will support in the holistic development of the students and help them to become a

responsible citizen.

ASIET recognizes the role of sports & physical fitness and its vitality in shaping an individual's personality. The Institute provides state of the art facilities like:

- Fitness Center
- Basketball Court (International standard Acrylic)
- Volleyball Court (International standard Acrylic)
- Table Tennis
- Football Field
- Indoor Shuttle Badminton courts
- Cricket Nets

Coaches and Qualified personals in Physical Education and Coaches are available for scientific training and moulding students in various games, sports and physical fitness programme.

Wellness Clinic & Professional Counselling

Wellness Clinic

ASIET Wellness Clinic is functioning in association with Little Flower Hospital & Research Centre (NABH Accredited), Angamaly. Wellness Clinic supports the health and wellness of students & staff and creates a healthy physical and psychological environment which enhances the teaching and learning process.

As per the MoU with the Hospital every semester, medical camps are being organized in the Campus. Staff and students of ASIET can also avail health checkups at the Hospital at privileged rates. We intend to provide quality accessible health care for staff & students, mould a health conscious community and spread best health practices.

'At our Wellness Clinic we believe, good health is essential for academic achievement'.

[MoU with Little Flower Hospital](#)

Professional Counselling

A professional student counsellor is available in the campus to provide guidance and support to students in various aspects of their academic, personal, and social lives. The professional student counsellor plays a crucial role in supporting students' mental health and overall well-being.

Transportation

[Home](#)
[Campus](#)
[Transportation](#)

Vehicles are brand wagons of ASIET and they ease daily commuting problems of the students. The well maintained transport system is handled promptly by expert and experienced staff members. Vehicles reach every nook and corners of the district. There are 30 buses doing services up and down. Almost 60 percent of the students utilize Institution's transport facilities which help them to reach the campus on time.

COLLEGE BUS ROUTE

SL NO	BUS NUMBER	ROUTE
1	1	AMBALLOOR via PUDUKKAD
2	2	KOTHAMANGALAM

3	3	IRINJALAKKUDA
4	4	THURAVOOR via AROOR
5	5	VALANJAMBALAM
6	6	FORT KOCHI
7	9	KODUNGALLOOR via MANJALI
8	12	VAZHIKULANGARA via KOONAMMAVU

9	13	PIRAVAM via KOLENCHERY
10	14	MANJUMML CHURCH via EDAYAR
11	15	HIGH COURT via CHITTOOR
12	16	MALA via KURUMASSERY
13	17	KANGARAPADY
14	18	PONJASSERY-ALUVA

15	19	THEVARA via VAZHAKKALA
16	20	MUVATTUPUZHA via KURUPPAMPADY
17	21	NJARAKKAL via PARAVOOR
18	22	POOTHOTTA via TRIPUNITHURA
19	7	THIRUVANKULAM via AMBALAMUGAL

Fitness and Wellbeing

Aligned with the honorable PM's Fit India movement and Yoga for Well-being initiative, ASIET promotes health and mental well-being of inmates by offering state-of-the-art facilities for yoga, sports, games, and physical health activities.

Gymnasium

To instill the habit of discipline and physical fitness, a well equipped modern gymnasium has been made available for the students. Treadmill, weight lifting, cardio equipment and multi gym apparatus adorn this inclusion.

Adi Shankara Centre for Peace and Yoga

The Adi Shankara Centre for Peace and Yoga is dedicated to fostering a holistic approach to health, emphasizing the harmony of mind, body, and spirit.

Power & Backup

College has two on-campus indoor diesel powered generators of 160 KVA and 100 KVA capacity which ensures uninterrupted power supply in the campus. A 30 KVA Grid based Solar Power Plant also functions on the campus. All labs in the Campus have backup power systems through UPS, which have adequate stand by time.

Divyangjan Facilities

Adi Shankara Institute of Engineering and Technology (ASIET) provides various facilities for Divyangjan (persons with disabilities) to ensure an inclusive and accessible environment. These facilities typically include:

- Ramps, Handrails, and elevators to ensure mobility and ease of access within the campus.
- Accessible Restrooms: Specially designed restrooms that cater to the needs of Divyangjan.
- Assistive Technology: Tools and devices that assist in learning and communication for students with disabilities.
- Specialized Support Services: Counseling and support services tailored to the needs of Divyangjan students.

Anti Ragging Cell

The establishment of Anti Ragging Committee at ASIET is as per All India Council for Technical Education notified Regulation for prevention and prohibition of ragging in AICTE approved Technical Institutions vide No. 37-3/ Legal/ AICTE/ 2009 dated 01.07.2009) and UGC Regulation issued in this regard

Anti ragging refers to the measures and initiatives taken to prevent and combat the practice of ragging in educational institutions. Ragging refers to the act of physically, mentally, or emotionally harassing or tormenting newcomers or junior students by senior students. It is a form of bullying that can have severe consequences on the victims, including physical injuries, psychological trauma, and even loss of life in extreme cases.

At ASIET, with the support of authorities and student bodies, implemented various strategies to prevent ragging and address incidents effectively. The antiragging measures aim to create a safe and inclusive environment for students, where they can pursue their education without fear or intimidation.

The measures include:

- Awareness Campaigns
- Strict Policies
- Grievance Redressal Mechanisms
- Counseling and Mentoring
- Student Engagement in various Campus activities
- Surveillance and Monitoring with proper surveillance systems, such as CCTV cameras, in sensitive areas of the campus to deter ragging and provide evidence in case of any incidents
- Legal Framework: Ensuring strict compliance with relevant laws and regulations related to ragging. Institutions cooperate with law enforcement agencies to take appropriate legal actions against offenders

ANTI RAGGING CELL ASIET 2023 - 2024

Head: Dr. M S Murali - Principal

Contact number - 9880855302

Co-ordinator: Prof. Gomathy S – Associate Professor,EEE

Contact number - 9447710028

Executive Members

Sl.no	Name	Designation	Contact Number
1	Dr. Deepa Sankar	HOD EEE	9447293774
2	Dr. Eldose K K	HOD ME, Boys Hostel Chief Warden	9847664564
3	Dr. Srikrishnan Sundararajan	HOD MCA	9840622031

4	Dr. Dhanasekhar K	HOD CE	9840930902
5	Dr. Subiramonian	Boys Hostel Resident Warden	9790120284
6	Prof. R Rajaram	Dean Projects & Consultancy	9895199204
7	Dr. Bobby Mathews C	IQAC Head & Dean Research	9446472170
8	Dr. Vinila N L	HOD RA	9846670675

9	Dr Jayasree T G	HOD BSH	9496228925
10	Prof. Shaji Mohan	HOD MBA	9645093276
11	Dr. Remya George	HOD EBE	9020909020
12	Sri Rajaraman P V	HOD CSE-AI	9940418252
13	Dr. Manesh T	HOD CSE	8848112354

14	Dr. Ajay Kumar	HOD ECE	9846900310
15	Sri. Ramesh C T	Physical Education Officer	9846161499
16	Dr.Gangadevi R	Sr.Faculty	9495838678
17	Smt. Resmi V R	Faculty	9496215474
18	Student Representative	First Year	

19	Mr. Sabarish Mohandas	Second Year	9074405623
20	Mr. Sreejith Ramachandran	Third Year	9633705821
21	Mr.Basil Benny	Fourth Year	9526058697
22	Student Representative	First Year	
23	Ms.Sreelakshmi V	Second Year	9497299730

24	Ms.Sethulakshmi	Third Year	7736345965
25	Ms.Nimmy K Jolly	Fourth Year	9072413862
26	Student Representative	PG First Year Male representative	
27	Student Representative	PG First Year Female representative	
28	Mr.Sifarath	PG Second Year Male representative	

29	Ms. Sona Mizra	PG Second Year Female representative	9995050309
30	Smt. Archana Aniyam	EEE(Ladies Hostel Chief Warden)	9446944885
31	Smt. Mini Ramesh	Representative of non teaching staff	7593920844
32	Sri. Prasad S	PTA Vice President	9947300314
33	Sri. Harikumar G	PTA Joint Secretary	9745222644

34	Sri. Sreenath N	Management	7356986487
35	Sri. Prasanth S R	Media Clear Vision, Kalady	9656250513
36	Sri. Sijo George	ASIET-NGO	9947180761
37	CI Police	Kalady Police Station	9497987115
38	Sri. K T Eldhose	Ward Member Kalady Gram Panchayat	9495106084

Student Grievance Cell

The establishment of a Student Grievance Redressal cell as specified in the Approval Process Handbook is as per All India Council for Technical Education (Redressal of Grievance of Students) Regulation, 2019 vide F. No.1-101/PGRC/AICTE/Regulation/2019 dated 07.11.2019 *All India Council for Technical Education Regulations, 2021 vide F.No.1-103/ AICTE/PGRC/Regulation/2021 dated 25.03.2021.

Grievance redressal cells in higher education institutions are established to address and resolve complaints and grievances raised by students, faculty, or staff members (Stake holders). These cells play a crucial role in ensuring a fair and transparent system that promotes a healthy learning and working environment.

Key aspects of grievance redressal cells are:

At ASIET ,the grievance redressal cell was set up as per the guidelines provided by regulatory bodies like the University Grants Commission (UGC) or the All India Council for Technical Education (AICTE).

The primary objective of the cell is to provide a platform for individuals to report their grievances related to academic matters, admissions, examinations, discrimination, harassment, or any other relevant issues. The cell ensure that the complaints are heard, investigated, and resolved in a timely and fair manner.

Grievance redressal cell has a systematic procedure for registering complaints. The stake holders can submit their complaint via online portals, email addresses, or physical complaint boxes by form providing necessary details.

Upon receiving a complaint, the grievance redressal cell initiates an investigation into the matter. The committee members may interview the concerned parties, collect evidence, and examine relevant documents. The investigation is conducted impartially and confidentially.

The grievance redressal cell employ mediation and conciliation techniques to resolve conflicts and disputes amicably. Trained Counsellor facilitate dialogue between the parties involved, aiming to reach a mutually acceptable solution.

Based on the findings of the investigation, the grievance redressal cell recommends appropriate actions to address the complaint. These actions may include disciplinary measures, corrective actions, policy changes, or any other necessary steps. The cell ensures that the recommended actions are implemented and may follow up to ensure satisfactory resolution.

Grievance redressal cell maintain transparency in their operations by providing periodic updates on the progress of complaints and resolutions. They maintain records of all complaints received, actions taken, and outcomes achieved. These records help in assessing the effectiveness of the cell and identifying areas for improvement.

Grievance redressal cell adhere to the guidelines and regulations set by regulatory bodies such as the UGC or AICTE. They ensure that the grievance redressal mechanism is in line with the prescribed norms and that necessary reports are submitted to the respective authorities.

The committee consist of the following faculties.

1	Dr. M.S. Murali	Principal
2	Prof. Ranjeesh R Chandran	RA

3	Prof. Neetha K Nataraj	CSE
4	Prof. Prajeesh P A	ECE
5	Ms. Nandana Suresh	Student

University Grants Commission (Redressal of Grievances of Students) Regulations, 2023

Students can sent grievance to

1. Mail - grievancecell@adishankara.ac.in

2. Drop box

3. Etlab -

Further, it is informed that anonymous letters will not be entertained.

Gender & Equity Cell

Gender & Equity Cell at ASIET is a dedicated committee aimed at fostering a safe, inclusive, and equitable environment for all students, faculty, and staff, regardless of gender. It strives to eliminate gender biases, raise awareness about gender issues, and ensure equal opportunities for everyone in the campus.

Objectives:

Promote awareness: To create awareness and educate the college community about gender issues.

Ensure Equal Opportunities: To guarantee that all members of the college community have equal access to resources and opportunities.

Support and Empowerment: To support and empower individuals facing gender-related challenges and discrimination.

Prevent Gender-based Discrimination and Harassment: To develop and implement policies that prevent gender-based discrimination and harassment.

Functions:

Awareness Programs and Workshops:

Organize seminars, workshops, and lectures on gender sensitivity and gender equity

Policy Formulation and Implementation:

Develop policies and guidelines to prevent gender discrimination and harassment on campus.

Ensure the effective implementation of these policies and monitor compliance.

Support and Counselling:

Provide counselling and support services for individuals facing gender-based discrimination or harassment.

Create a safe and confidential space for individuals to report incidents and seek assistance.

Grievance Redressal:

Establish a grievance redressal mechanism to address complaints related to gender discrimination and harassment.

Ensure timely and fair investigation of complaints and take appropriate action.

Monitoring and Evaluation:

Collect feedback from the campus community to continuously improve efforts towards gender equity.

Promotion of Female Representation:

Encourage and support the participation of female students and staff in leadership roles and decision-making processes.

Events and Celebrations:

Organize events to celebrate significant days related to gender equity

To address grievances, complaints, or suggestions regarding gender-related issues, please send an email to the designated address or submit them via the Grievance Tab in Etlab.

Email: genderequitycell@adishankara.ac.in

Gender & Equity Cell Order

Gender & Equity Cell Policy

SC/ST Committee

The establishment of the Committee for SC/ ST at ASIET is as per the Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Act, 1989, No. 33 of 1989, dated 11.09.1989, as mentioned in APH 2024-2027

The SC/ST Committee at Adi Shankara Institute of Engineering and Technology is dedicated to fostering an inclusive and supportive environment for all Scheduled Caste (SC) and Scheduled Tribe (ST) students. The committee's primary objectives include addressing grievances related to discrimination and providing assistance with scholarships and financial aid. The committee, composed of faculty members, student members, and administrative staff, ensures that the concerns of SC/ST members are heard and resolved promptly. For more information or to seek assistance, please contact any of the committee members or reach out via email.

SL NO	NAME	PHONE NO	EMAIL ID

1	Mr. Prajeesh P A	994652830 0	prajeesh.ec@adishankara.ac.in
2	Ms. Hima T	994733330 3	hima.eee@adishankara.ac.in
3	Ms. Veena S Kumar	949653795 5	veena.ce@adishankara.ac.in
4	Mr. Manesh V M	963301289 2	maneesh.ec@adishankara.ac.in

5	Mr. Shine K S	999540351 2	shine.ofc@adishankara.ac.in n
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For reporting any complaints, please use the following

SCST Grievance Redressal Form

email ID: scstcell@adishankara.ac.in

Women Empowerment Cell

A Women Empowerment Cell (WEC) is an organization or committee that works towards empowering women and promoting gender equality. WEC was established to create a safe and supportive environment for women, and to address the challenges they face. Our college's Women Empowerment Cell was created to support female students and staff, improve their knowledge of issues affecting women in society, and prepare them to meet obstacles head-on. Women Empowerment Cell's mission is to advance women's social, economic, political, and legal empowerment, with an emphasis on decision-making. This cell gives them the impression that our college campus is a shelter and a second home to them. Through guest lectures, seminars, workshops, different awareness campaigns, and other welfare initiatives, the cell works tirelessly to improve their situation and ultimately empower them. Educating and inspiring young women to become productive members of society is essential for creating a more equitable and just society.

By providing opportunities for education, skill-building, and personal development, young women can gain the knowledge, confidence, and tools necessary to achieve their goals and make meaningful contributions to their communities. It is also important to emphasize the importance of diversity, inclusion, and equity in all aspects of education and society. By recognizing and addressing systemic barriers and biases, young women from all backgrounds can have equal access to education and opportunities for success.

Some of the activities and initiatives that a Women Empowerment Cell may undertake include:

Organizing workshops, seminars, and talks on topics such as gender equality, women's health, and women's rights.

Providing counseling and support services to women who have experienced discrimination, harassment, or violence.

Celebrating International Women's Day, Women's History Month, and other important events related to women's empowerment.

Conducting surveys and research on issues related to women in the organization, and using the data to inform policies and initiatives.

Creating networks and partnerships with other organizations and groups that share the same goals.

Vision

To educate, inspire, and prepare young women to become productive members of society.

Mision

Impart ethical value, positive self-esteem and confidence in the young women so that they can take the decision.

To uplift the girls socially and intellectually, the cell conducts various awareness campshealth, legal, entrepreneurship, defense techniques, etc in order to equip them with the right knowledge for a life of equality, empowerment, personal enhancement and professional success.

To provide a platform for girls and women to share their experiences and views regarding their status in the society and to suggest ways to improve and empower themselves.

Motto

"Empower a Woman, Empower a Nation"

Objectives

The primary objectives of a Women Empowerment Cell are:

- To create awareness among women about their rights and the laws that protect them.
- To provide support and guidance to women who face any kind of discrimination, harassment or violence, and to help them access the resources they need to address these issues.
- To provide opportunities for women to enhance their knowledge, skills, and confidence through workshops, training programs, and other initiatives.
- To promote gender equality and sensitivity among all members of the organization, and to challenge traditional gender roles and stereotypes.
- To encourage women's participation in decision-making processes and leadership positions.

Activities

- To promote a culture of respect and equality for female gender.
- To organize awareness programs on gender sensitization.
- To Arrange seminars that creates awareness on the economic, social, political, and legal rights of women.
- To conduct seminars and workshop to impart knowledge of opportunities and tools available and train the women.
- Organizing different activities to make women aware of their health, sports, self-defense etc.
- Conducting various competitions to encourage their artistic talents.
- Highlighting the importance of spirituality, health, hygiene and safety.
- Women's Day celebration.

Instructions to Girl students

- Believe in yourself: Believe that you are capable of achieving your goals and don't let anyone tell you otherwise.
- Speak up: Don't be afraid to express your opinions and ideas, and always speak up against injustice and discrimination.

Take initiative: Take charge of your own life and career, and don't wait for someone else to do it for you.

Build your skills and knowledge: Invest in your education and skills training, and never stop learning.

Network and collaborate: Build relationships with other women and supportive allies, and collaborate on projects and initiatives that promote gender equality.

Be confident: Build your confidence and self-esteem, and don't let anyone make you feel inferior or powerless.

Support other women: Be a supportive ally to other women and help them achieve their goals and aspirations.

Take care of yourself: Prioritize your own health and wellbeing, and seek support and help when needed.

Stand up against harassment and abuse: Never tolerate harassment, abuse, or gender-based violence, and seek help and support if you experience or witness such behaviour.

Members of Women Emmpowerment Cell

SL NO	NAME	ROLE
1	Prof. Divya V Chandran, ECE	Coordinator
2	Prof. Rajalakshmy S, EEE	Documentation Team

3	Prof. Cyldin P A, CE	Documentation Team
4	Prof. Teena George, CSE	Event Coordination Team
5	Dr. Lakshmi M Hari, EBE	Event Coordination Team
6	Dr. Athira M, RA	Event Coordination Team
7	Prof. Jaimy James, ECE	Event Coordination Team

8	Prof. Manju M Mathew, MBA	Publicity Team
9	Dr. Amrutha M Nair, CSE-AI	Publicity Team

Student Welfare Committee

The objectives of the Student Welfare Committee at our institution are multifaceted, aimed at enhancing student welfare and support. Our primary goal is to ensure equitable distribution of the student welfare fund, catering specifically to financially disadvantaged and meritorious students, those excelling in academics, sports, games, and arts, as well as those affected by unforeseen circumstances. We strive to recognize and support academic excellence through initiatives like reimbursing NPTEL exam fees for top-performing students and facilitating publication of research in prestigious journals. Additionally, we prioritize student health by maintaining comprehensive health records and providing financial aid during medical emergencies. Regular semester review meetings further enable us to address student welfare concerns effectively, ensuring a conducive learning environment.

To ensure effective implementation of our welfare policies, the Welfare Cell comprises dedicated faculty representatives from every department. Each member plays a crucial role in decision-making and overseeing the allocation of funds to support various welfare initiatives.

Members of Student Welfare Committee

SL NO	NAME	ROLE
1	Ms. Akhila K, EEE	Convener
2	Ms. Divya K S, CSE	Member
3	Ms. Asha Rose Thomas, CSE – AI & DS	Member
4	Ms. Reshma Laxmanan, ECE	Member

5	Mr. Sreedeepr Krishnan, RA	Member
6	Mr. Jithesh S R, ME	Member
7	Ms. Veena S Kumar, CE	Member
8	Ms. Nimmy Vijayan, EBE	Member
9	Ms. Manju M Mathew, MBA	Member

10

Dr. Vincy Devi, MCA

Member

For more details see:

Scholarship

The institute provide academic scholarships, freeships and merit scholarships to deserving students. These are decided after a rigorous procedure. The objective of the scheme is:

- To ensure affordable education for economically disadvantaged students.
- To support and motivate academically outstanding students.
- To encourage student interest in sports and other innovative initiatives

ASIET LIBRARY

The ASIET Central Library is an integral part of the institution, situated in the main academic block across two floors. It covers an area of 942 meter square and offers a peaceful environment for users to access information.

The library has a seating capacity of 120 people, providing ample space for students, faculty, and staff to study and conduct research. The serene setting promotes a conducive atmosphere for learning and knowledge acquisition.

To enhance efficiency and accessibility, the library is automated with KOHA, an open-source integrated library system. This automation streamline processes such as cataloging, circulation, and inventory management, making it easier for library staff to manage the collection and assist users effectively.

The library follows an Open Access System, which means that the resources are readily available to users without any restrictions or barriers. Users can explore the collection and access the information they need without any additional authorization requirements.

To check the availability and status of a book, users can utilize the Online Public Access Catalogue (OPAC). This online catalogue allows users to search for specific books, view their availability, and obtain information about their location within the library. It serves as a valuable tool for users to navigate the library's collection efficiently.

Green Campus

Adi Shankara Institute of Engineering and Technology (ASIET) is committed to promoting sustainability through various green campus initiatives. The institute has implemented eco-friendly practices such as rainwater harvesting, energy-efficient lighting, and waste management systems to reduce its environmental footprint. Tree plantation drives and the creation of green spaces around the campus are regular activities, enhancing the natural environment and fostering biodiversity. ASIET also encourages the use of renewable energy sources, including solar panels, to power parts of the campus. These initiatives are part of a broader effort to create a sustainable and environmentally conscious educational environment, instilling green values in students and staff alike.

In addition to rainwater harvesting and energy-efficient lighting, ASIET's green campus initiatives include comprehensive recycling programs that minimize waste and promote material reuse. The institute actively engages students in environmental awareness campaigns and sustainability workshops to foster a culture of ecological responsibility. Eco-friendly transportation options, like bicycle racks and carpooling incentives, are encouraged to reduce carbon emissions. Regular audits and assessments are conducted to track the effectiveness of these green practices and identify areas for improvement. By integrating sustainability into daily operations and curriculum, ASIET aims to lead by example and inspire other institutions and communities to adopt similar environmental practices.

About IEEE

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community to innovate for a better tomorrow through its more than 419,000 members in over 160 countries, and its highly cited publications, conferences, technology standards, and professional and educational activities. IEEE is the trusted "voice" for engineering, computing, and technology information around the globe.

Mission Statement

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

Vision Statement

IEEE will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions.

IEEE SB ASIET was officially inaugurated in 2011. Under the guidance of our esteemed branch counselors, we have climbed greater heights ever since. Our student members have been selected to student activity committee of Kerala section as well as India council year after year owing to their volunteering skills. We have been host to

international conferences, national level events and a bevy of workshops and programs that motivate students to pursue the finer edge of technology.

Arts & Theatre Club

Creativity is the sublimation of one's reflection and need. In this graphic era, it is quintessential to reflect, assess and challenge our perception of the world and to express them creatively.

Theatre and Arts club at ASIET aims to awaken the creator within you and to leverage it to your advantage. Talents in photography, music, painting and performance arts are encouraged to refine their demigods and to challenge their prolificacy.

Email - artsclub@adishankara.ac.in

Literary Club

The main aim of the Club is to develop the interest of students in the area of reading and writing. It offers opportunities to appreciate different types of literature and increase their own literary skills. The Literary Club aims at not only refining the literary skills of the students but also developing in them logic and curiosity to know more and to instil in them a confidence to speak well. It is a club made for people who love literature, and want to share their experiences, readings and thoughts with others who have the same interest and talent.

Activities of the Club

- To organise literary activities like storytelling, poetry reading and book review
- To organise literary festivals
- To conduct poetry writing, story writing, elocution, debates and other competitions
- To organise public speaking workshops and periodic talks on different talks and themes by members
- To liaison with and participate in similar activities of other clubs both inside the college and outside.

Email - literary.club@adishankara.ac.in

Members of Literary Club

SL NO	NAME	ROLE

1	Suja C K, BSH	Coordinator
2	Anitha P, EEE	Member
3	Dr. Lakshmi M Hari, EBE	Member
4	Reema Pius, CE	Member
5	Dr. Nithin Raj A, ME	Member

6	Dr. Athira M, RA	Member
7	Rosemary Varghese, CSE	Member
8	Sidharth S Nair, MBA	Member

About Institution's Innovation Council (IIC)

Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years.

MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campuses.

Major focus of IIC

- To create a vibrant local innovation ecosystem.
- Start-up supporting Mechanism in HEIs.
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Develop better Cognitive Ability for Technology Students.

Objectives of our IIC

- To create a vibrant local innovation ecosystem
- Start-up/ entrepreneurship supporting Mechanism in HEIs
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework (ARRIA)
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas

- Develop better Cognitive Ability amongst Technology Students

Functions of IIC

- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bounded fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.

- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc with the involvement of industries.

Benefits

- No major capital investment required for establishing IIC as it will make use of existing local ecosystem.
- Students/Faculty associated with IIC will get exclusive opportunity to participate in various Innovation related initiatives and competitions organized by MHRD.
- Win exciting Prizes/Certificates every month.
- Meet/Interact with renowned Business Leaders and top-notch academicians.
- Opportunity to nurture and prototype new ideas.

- Mentoring by Industry Professionals.
- Experimentation with new/latest technologies.
- Visit new places and learn a new culture.

Quiz Club

A Quiz Club is a society established in educational institutions or communities dedicated to the promotion of quiz activities. The clubs serve as platforms for individuals interested in expanding their knowledge across various subjects.

The primary objective of a Quiz Club is to foster a spirit of curiosity, learning, and healthy competition among its members. Participating in a Quiz Club offers numerous benefits. It encourages critical thinking, enhances general knowledge, improves memory retention, and sharpens communication skills. Moreover, it provides an opportunity for individuals with diverse interests and expertise to come together, share insights, and learn from one another.

Beyond the intellectual aspect, Quiz Clubs also contribute teamwork, fostering friendships and networking opportunities. Overall, Quiz Clubs play a significant role in promoting lifelong learning, intellectual engagement, and social interaction within educational institutions and communities.

Members of Quiz Club

SL NO	NAME	ROLE

1	Anna Baby, EEE	Cordinator
2	Sidharth S Nair, MBA	Member
3	Anju Mary Joseph, RA	Member
4	Anju George, ECE	Member
5	Gayathri Dili, CSE AI	Member

6	Remya Raveendran, CSE AI	Member
7	Anna Varghese, CE	Member
8	Rahul S Arackal, ME	Member
9	Winnie Ann Thomas	Member

Universal Human Values

The purpose of education is to help the student develop the right understanding, so that, by a certain age, he/she will be able to gain clarity about happiness, prosperity and how to ensure their continuity at the individual level and contribute meaningfully to the family, society, and the entire nature for the wellbeing of all.

The objective of the cell are:

- To equip the faculty to provide holistic, value-based education to the students.
- To help the faculty also lead a fulfilling life by maintaining harmony at the individual, family, society, and nature- levels.
- To conduct a weekly meeting of UHV cell members along with other faculty members, staff, and students interested in UHV.

Members of UHV Cell

SL NO	NAME	ROLE
1	Prof. Suja C K, BSH	Coordinator

2	Gripsi Paul, CSE	Member
3	Nimal Namboodiripad, MBA	Member
4	Hima T, EEE	Member
5	Neema M, ECE	Member
6	Dr. Vinay T V, ME	Member

7	Harshnanda T N, CE	Member
8	Winnie Ann Thomas, EBE	Member
9	Sabitha MG, CSE AI	Member
10	Dr. Julia T J, RA	Member
11	Eldhose P Sim, CSE	Member

Mathematics Club

The Mathematics Club at ASIET is a vibrant and dynamic community for students passionate about mathematics. Our club is dedicated to fostering a love for mathematics and providing a platform for students to explore, discuss, and engage with various mathematical concepts beyond the classroom.

Aim

To motivate and engage students in the subject by providing opportunities for informal and enjoyable mathematical activities

Objectives

The objective of the Maths Club is to provide a platform for students to engage in mathematical activities, to enhance their problem-solving skills, and to develop their interest in mathematics.

The club aims to achieve the following objectives:

- To provide an opportunity for students to explore mathematics beyond the classroom.
- To enhance students' problem-solving skills through interactive sessions.
- To organize workshops, guest lectures, and quizzes to promote mathematical thinking and reasoning.

To provide a platform for students to participate in mathematical competitions and Olympiads.

Email - mathsclub@adishankara.ac.in

Members of Mathematics Club

SL NO	NAME	ROLE
1	Sajitha Saseendran, BSH	Coordinator

2	Savithry K S, BSH	Coordinator
3	Anjali Nair, S5 ECE	Chairperson

4	Meenakshi M Menon, S3 EBE	Vice-Chairpers on
5	Devananda Anil, S3 CSE	Event Coordinator

6	Adith Pradeep, S5 RA	Event Coordinator
7	Anamika Biju, S1 ECE	Publicity Team

8	Nandhu Krishnan, S1 ECE	Publicity Team
9	Subha Sankar, S5 RA	Technical Coordinator

10	Christina Jisso, S5 ECE	Content Team
11	Anusree B, S1 CSE	Content Team

12	Devika T R, S5 ECE	Design Team
13	Greeshma Rajeev, S5 ECE	Design Team

For more details see

PI Day Celebration 2024

Mathematics Week Celebrations 2023

Mathematics Club Inauguration

Mathematics Day Celebration 2021

National Mathematics Day Celebration 2019

Science Club

Promote science and technology and bring awareness among young engineering professionals regarding the influence and importance of Science in our daily and professional life and promote sustainability.

Objectives

Conduct programmes and training sessions on various aspects of Science and Technology

Organize webinars and invited talks by industry professionals and academic experts

Promote a research culture in students and bring enthusiasm among the student community by organizing research seminars, quiz and poster competitions etc.

Groom young professionals by assigning roles and responsibilities and impart training to become future leaders

Create awareness among the student community regarding personality development, communication skills, interpersonal skills and develop entrepreneurial mindset.

Foster a research culture among faculty and student community to address and solve scientific, social and environmental issues by interdisciplinary research

Identify and Initiate collaboration with industries, other academic and research institutions

Catalyze and engage in activities in making the institution as a Centre of Excellence and contribute the best to the Society and Environment.

Email - scienceclub@adishankara.ac.in

Members of Science Club

SL NO	NAME	ROLE
1	Dr. Anand Krishnamoorthy, BSH	Coordinator
2	Resmi V R, BSH	Coordinator
3	Brian Roy Mathew	Chairperson
4	Anjana Ajith	Joint Secretary

5	C R Krishna	Member
6	Ram Yogesh	Member
7	Pavithra	Member
8	Mini S Nair	Member
9	Jayalakshmi J	Member

10	Aswin P Shine	Member
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For more details see:

Faculty Professional Enrichment Cell

The Faculty Profession Enrichment Cell (FPEC) at ASIET is dedicated to the professional development of faculty members, offering a comprehensive orientation program for newly joined faculty to familiarize them with the college's culture, practices, and administrative procedures. The FPEC organizes workshops, seminars, and training sessions focused on enhancing teaching and learning strategies, exploring effective assessment techniques, and harnessing educational technology tools. Additionally, stress management sessions are incorporated to support faculty members in maintaining optimal mental and emotional well-being. A department-wise training approach, facilitated by department coordinators, ensures that training is relevant and tailored to the specific needs of each department, covering topics such as discipline-specific teaching methods, research skills, and professional development. Furthermore, mentoring and coaching services are provided to support faculty members in their professional journey, promoting continuous growth through career planning, networking opportunities, and skill enhancement.

Members of Faculty Professional Enrichment Cell

SL NO	NAME	ROLE

1	Dr. Sivaprasad P V, ME	Convenor
2	Ms. Akhila K, EEE	Convenor
3	Ms. Aswathy N, ECE	Convenor
4	Ms. Raghi R Menon, CSE	Member
5	Mr. Nikhil Narayanan, CSE	Member

6	Dr. Sreena Sreekumar, EEE	Member
7	Ms. Ashna Mohan, EEE	Member
8	Dr. Neema M, ECE	Member
9	Ms. Reshma Laxman, ECE	Member
10	Mr. Abin Joy, CE	Member

11	Ms. Harshananda T N, CE	Member
12	Ms. Anju Mary Joseph, RA	Member
13	Mr. Eldho Mathew, ME	Member
14	Dr. Rahul S Arackal, ME	Member
15	Ms. Nimmy Vijayan, EBE	Member

16

Ms. Pravitha K Nair, BSH

Member

Email - fpec@adishankara.ac.in

The Institution of Engineers (India) [IEI] Student Chapter

The Institution of Engineers (India) [IEI] is a multi-disciplinary professional body of engineers, established in 1920 with its headquarters located in Kolkata. The Institution of Engineers (India) is administered by a National Council with the President as its Head. IEI has been as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India. The Institution has been serving the engineering fraternity for over a century with its national and international presence through 125 centres spread all over India and 6 overseas chapters. The Institution encompasses 15 engineering disciplines with a corporate membership of over 2 lakhs.

IEI Student Chapter at ASIET

IEI Student Chapter was established in the year 2018. The student chapter of IEI at ASIET aims to promote/support the education and research among students. A total of 162 memberships is provided for the students under this society chapter. Apart from this, the chapter facilitates

teachers to take corporate memberships (Associate Member - AMIE) in IEI. This enables faculty to apply for grants in research activities. The student chapter provides a platform for students to interact with professional engineers, participate in technical workshops, seminars, conferences, and engage in technical and non-technical activities that help them develop leadership and teamwork skills.

Objectives:

- To advance engineering through Research and Development (R & D) initiatives and grants.
- To disseminate and update engineering and technological knowledge among its members, through technical activities.
- To foster a greater commitment among engineers to the social goals of the profession.
- To promote ongoing professional development.

Best Practices:

- It organizes various technical competitions, including project exhibitions and quizzes to encourage students to apply their theoretical knowledge to practical problems. These competitions help students develop their problem-solving, communication, and presentation skills.
- Offers hands-on workshops, training programmes, seminars, webinars and other professional development opportunities to help members improve their skills and advance in their careers.
- Promotes students and teaching staff to undertake projects and apply for grants under R & D Grant-in-aid scheme of IEI.
- Organizes conferences and faculty development programmes funded by IEI.
- Scholarships are provided to students based on their academic results.
- In addition to technical activities, the IEI Student chapter also conducts socially relevant events such as drawing competitions on sustainable engineering to promote the overall development of students.

Department	Report
Electronics Communication Engineering	and 2023-2024

	2022-2023
	2021-2022

2020-2021

2019-2020

	2018-2019
Civil Engineering	2023-2024

The American Society of Mechanical Engineers (ASME)

The American Society of Mechanical Engineers (ASME) is a globally renowned professional organization for Engineers. ASME creates around 600 codes and standards for various engineering equipment. The Student Section of ASME at Adi Shankara Institute of Engineering and Technology, known as ASME ASIET STUDENT SECTION, was established in March 2017 by the students from the Department of Mechanical Engineering. It is a dynamic and active chapter that aims to bridge the gap between academic learning and professional engineering practice. Members of ASME are provided with numerous opportunities to enhance their academic and technical knowledge

Society of Energy Engineers and Managers (SEEM)

The Society of Energy Engineers and Managers (SEEM) whose vision is "world where the entire spectrum of human activities exist in harmony with a clean and green earth by integrating energy efficiency and conservation of natural resources into these activities". It is the national professional body of certified energy managers and auditors in India, formed in the year 2005 as a non-governmental and a not-for-profit organization registered under the Charitable Societies' Act.

The basic objective of SEEM is to provide energy conservation and knowledge-based energy efficiency services to all sectors of the economy and provides a network between business, government, academia and utilities for information exchange, capacity building and leadership development. Currently SEEM member community cuts across all the sectors of economy and consist of professionals in the field with diverse experience and expertise.

SEEM student chapter was inaugurated at ASIET, Kalady on 25/04/2017 as part of the industry interaction initiatives from the department of EEE. Student chapter mainly focused on Energy conservation and Management Awareness Programmes. Energy experts regularly arrange workshops for Energy auditing for students. For the benefit of our students, the chapter arranges

visit to Science Congress Exhibitions and Renewable Energy Expos. SEEM supports the participation of our students in energy audit competitions. Student members get

opportunities for short-term internship at SEEM'S projects and activities. The Chapter actively organizes online webinars, technical sessions in sustainable energy development. Renewable energy training sessions are also conducted, which enable students to enter in to industry and related research areas. Based on the activities conducted in 2018, the student chapter got National level 'Silver Award' in the Facility category. Our students won prizes in the National Energy Auditing Competition for the year 2017 and 2018.

Entrepreneurship Club

An Entrepreneurship club is active in the college. Many participants after their MBA plan to start their own businesses immediately after the programme or after a few years of work experience. Taking this into consideration the Department has initiated an Entrepreneurship Club. It is run by the participants with guidance from the faculty members. They organise a number of events like the Entrepreneurship Conclave and One Day sale every year. Ms. Nitha Johnny and Ms. Heenu TJ are two of the Entrepreneurs in the present batch.

ISME

Indian Society of Mechanical Engineers (ISME)

ISME seeks to bring together individuals, and institutions and Govt . Agencies & industries and Education to evolve and develop Engineering practices in India. Apart from upgrading the professional skills of its members, ISME also aims at the following: To spread the benefits of Engineering Education to the less privileged. To advance the status and roles of engineering practice To facilitate interaction between members of Engineering Societies throughout the world. To represent the opinion of Members of the society, on matters related to the objects of society. To promote the values of Engineering and Technology and its applications. Promoting continuing education and training. In ASIET, ISME plays major role in conducting webinars, technical talks and conducting trainings for students and faculties.

For more details visit [ISME Report](#)

GDSC

Google Developer Student Clubs

GDSC ASIET is a non-profit developer Club powered by Google Developers to learn , share, connect and develop skills. Our motto is Connect, learn , Grow.

Meet students interested in developer technologies at your university. All are welcome, including those with diverse backgrounds and different majors. Learn about a range of technical topics and

gain new skills through hands-on workshops, events, talks, and project-building activities - both online and in-person.

Apply new learnings to build great solutions for local problems. Advance your skills, career, and network. Give back to your community by helping others learn, too.

Our Motto

Providing students with access to the latest Google technologies and resources.

Facilitating a peer-to-peer learning environment where students can develop their skills and knowledge

Encouraging collaboration on projects that use Google technologies to address real-world problems

Fostering a welcoming community that embraces diversity and inclusion within the tech industry

Overall, GDSC aims to equip students with the technical skills and practical experience they need to be successful in the tech industry, while also promoting innovation and giving back to their communities.

For more details visit our official Website

<https://gdsc.community.dev/adi-shankara-institute-of-engineering-technology-kalady-india/>

[GDSC Report 2023-2024](#)

[GDSC Report 2022-2023](#)

SAEINDIA

SAEINDIA is India's leading resource for mobility technology. As an individual member-driven society of mobility practitioners the ownership of SAEINDIA wrests with its members who are Individuals from the mobility community, which includes Engineers Executives from Industry, Government Officials, Academics and Students. SAEINDIA is a strategic alliance partner of SAE

International registered in India as an Indian nonprofit engineering and scientific society dedicated to the advancement of mobility industry in India.

SAEINDIA has over 50,000 student members in more than 480 collegiate clubs located all over India. Collegiate clubs provide practical exposure to a professional engineering society as well as focal point for campus engineering programs and projects. Applicants must be students pursuing studies leading to any bachelor, masters, or doctoral degree in Engineering Colleges approved by AICTE or UGC. SAEINDIA membership is not open to school students.

SAEINDIA Collegiate clubs offer student members organise programs and activities, fellowship, and leadership experience. SAEINDIA student members are also entitled to many of the services available to SAEINDIA's regular members.

[SAEINDIA Report](#)

BMESI

Biomedical Engineering Society of India (BMESI)

Biomedical engineering is a multidisciplinary field that applies engineering principles and methods to solve medical and biological problems. Biomedical engineering society of India (BMESI) is a professional body that aims to promote the advancement of biomedical engineering in India and to foster the interaction and collaboration among biomedical engineers, researchers, clinicians, educators and students. The BMESI was registered in 1985 in Pune, Maharashtra. A group of Eminent professors and researchers from all over the India were the first members of BME Society and guided and mentored its activities. Today it has grown to have a total of 1300 strong life members and 61 institutional members.

BMESI organizes conferences, workshops, seminars, webinars and other events to disseminate the latest developments and innovations in biomedical engineering. BMESI also publishes a journal,

newsletter to provide a platform for sharing research findings and best practices in biomedical engineering. The BMESI publishes a bimonthly newsletter named ENGMEDNEWS. BMESI is relevant to the student community as it offers opportunities for learning, networking, mentoring and career development. BMESI encourages students to join as members and participate in its activities and initiatives. By being a part of BMESI, students can enhance their knowledge, skills and competencies in biomedical engineering and contribute to the growth and development of this field in India.

Objectives

Empower student members with specialized programs and expanded participation opportunities.

Enhance knowledge sharing through digital strategies.

Expand publication outreach for wider dissemination of information.

Student chapter of Biomedical engineering society of India (BMESI) was inaugurated in Adi Shankara Institute of engineering and technology on 03-02-2024 by the Secretary of BMESI, Dr. Muralidhar Bairy G.

Memebers of Biomedical Engineering Society of India

SL NO	NAME	ROLE
1	Melvin Mathew Jacob	President

2	Misna Abdul Manaf	Vice president
3	Jinusree M	Secretary
4	Nagaraj C	Joint Secretary
5	Mohammed Adnan Sufikar	Treasurer
6	Antony Davis	Convenor
7	Dr Surya D	Staff in Charge

AI Club

AI Club

An AI club serves as a dynamic platform for individuals passionate about artificial intelligence (AI) to deepen their understanding and engagement with the field.

Aim

The club fosters collaboration among its members, encouraging teamwork on innovative AI projects and providing opportunities for research and development. It also aims to keep members updated on the latest advancements and ethical considerations in AI, facilitating networking with professionals and experts in the field. Through educational activities, including workshops, discussions, and practical projects, members gain hands-on experience and theoretical knowledge in AI concepts and applications. Ultimately, the AI club strives to empower its members to contribute meaningfully to the evolving landscape of AI technology and its ethical implications.

Objectives

The club could host workshops and tutorials on various topics related to AI, such as machine learning, natural language processing, and computer vision. Members could learn from experts in the field, as well as from each other through peer learning.

Group Projects: The club could undertake group projects where members collaborate to create AI applications or projects. These projects could be based on real-world problems or challenges faced by the local community.

Guest Speakers: The club could invite experts and professionals from the industry to speak on various topics related to AI, such as trends in AI, the future of AI, and ethical considerations in AI development.

Hackathons: The club could organize hackathons where members and participants could work together to create AI-based applications or solve specific challenges in a short period of time.

Competitions: The club could participate in various AI competitions, such as Kaggle or AIChallenger, where members could test their skills against other AI enthusiasts from around the world.

Networking: The club could organize networking events where members could meet and connect with professionals and experts in the field. This could include job fairs, meet-and-greet events, and conferences.

Mentorship: The club could offer mentorship programs where experienced members could mentor newer members in AI-related topics and help them develop their skills.

Members of AI Club

Staff Coordinator - Gayathri Dili, Asst. Professor, CSE-AI

SL NO	NAME	ROLE
1	Aswin Dileep	President
2	Vijaithakrishna S Ghosh	Vice President
3	Biyaas Muhammad	Secretary

4	Anrose Paulose	Treasurer
5	Akshay Ajayan	Technical Lead
	Aaron P Laju	
6	Edwin Martin	Technical Team
	Viji Varghese Manjaly	
7	Yadhukrishnan M S	Event Coordinator

		Aswathy Jayakrishnan
		Henry B Philip
8		Event Team
		Malu Mohan
		Rahul Mohan
9		Aravind E R
		Content Lead
		Achu M V
10		Amrutha Das
		Content Team
		Bazil Alias

	Jyothisha M	
	Ajai Krishna	
	Astel Pauly	
11	Bhadra Mohan	Media Team
	Muhammad Minhaj	
	Geeba Babu	
12	Joe P Pramod	Social Media Team
	Navin Devassy	

	Rose Mary Jose	
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CodeX

CodeX

CodeX, the Coding Club launched by the Electronics and Communication Engineering department at Adi Shankara Institute of Engineering and Technology, Kalady, strives to highlight the significance of coding in today's world. This club seeks to unite students with a passion for coding by organizing various events such as workshops, competitions, and hackathons. Through these activities, CodeX provides opportunities for students to deepen their understanding and skills in coding.

Vision

Equip the student community with essential coding skills, improve their problem-solving abilities, expose them to a vast array of opportunities and establish a vibrant coding culture on campus that engages every student with a passion for coding.

Mission

Provide comprehensive training and resources to help students develop strong coding skills and stay updated with the latest technological advancements.

Create a supportive environment for students to collaborate on projects, share ideas, and innovate solutions to real-world problems through coding.

Conduct a variety of coding-related events such as workshops, competitions, and hackathons to stimulate interest, challenge abilities, and celebrate achievements in the coding community.

RAS

Robotics and Automation Society

The IEEE Robotics and Automation Society's objectives are scientific, literary, and educational in character. The Society strives for the advancement of the theory and practice of robotics and automation engineering and science and of the allied arts and sciences, and for the maintenance of high professional standards among its members, all in consonance with the Constitution and Bylaws of the IEEE and with special attention to such aims within the Field of Interest of the Society.

Mision

To foster the development and facilitate the exchange of scientific and technological knowledge in Robotics and Automation that benefits members, the profession and humanity.

Vision

To be the most recognized and respected global organization in Robotics and Automation.

RAS strives to advance innovation, education, and fundamental and applied research in robotics and automation. Robotics focuses on systems incorporating sensors and actuators that operate autonomously or semi-autonomously in cooperation with humans. Robotics research emphasizes intelligence and adaptability to cope with unstructured environments. Automation research emphasizes efficiency, productivity, quality, and reliability, focusing on systems that operate autonomously, often in structured environments over extended periods, and on the explicit structuring of such environments.

The society provides aid in promoting close cooperation and exchange of technical information among its members and affiliates, and to this end, it holds meetings for the presentation of papers and their discussion, sponsors appropriate periodicals and special technical publications, and through its committees studies and provides for the needs of its members and affiliates.

SL NO	NAME	DEPARTMENT
1	Arjun M	RA
2	Athulkrishna N S	RA
3	Archa Ajayakumar	ECE
4	A M Rahul	ME

ISA

International Society of Automation

The International Society of Automation (ISA) is a professional association focused on advancing the practice of automation in various industries. Here are the typical mission and vision statements for ISA:

Mission

ISA's mission is to advance technical competence by connecting the automation community to achieve operational excellence.

Vision

ISA's vision is to create a better world through automation.

These statements reflect ISA's commitment to fostering a collaborative community for professionals in automation, driving innovation, and promoting the development and application of automation technologies to improve operational efficiency and effectiveness across industries.

TRS

The Robotics Society

Objectives

- ◆ Promote teaching, training and research related to robotics
- ◆ Encourage interaction between robotics researchers in India (academic/R&D Labs/industry)
- ◆ Hold joint workshops and conferences at the national level
- ◆ Associate with other organizations involved in Robotics like IEEE, ASME etc.
- ◆ Publish a newsletter, proceeding, Journals, etc

CSI Club

The Computer Society of India (CSI) is a prominent professional organization dedicated to the advancement and promotion of computing in India. Founded in 1965, CSI aims to foster the growth of information technology and computing science by providing a platform for professionals, academics, and students to collaborate, share knowledge, and contribute to the development of the IT industry.

Key activities of CSI include organizing conferences, workshops, and seminars on various aspects of computing and technology. The society also publishes journals and magazines to disseminate research and industry news. Additionally, CSI offers professional development opportunities, certifications, and networking events to help members stay updated with the latest trends and advancements in the field.

CSI is involved in various initiatives to enhance the quality of IT education and encourage research and innovation. It has chapters across India, each working towards promoting local interests while contributing to the broader goals of the organization. Through its efforts, CSI plays a significant role in shaping the future of the IT landscape in India.

Photography Club

Adi Shankara Photography Club: Fostering the Love for Photography

The Adi Shankara Photography Club is a vibrant community functioning at the Adi Shankara Institute of Engineering and Technology in Kalady. The club is dedicated to nurturing a deep appreciation and passion for photography among the staff and students of the institute. With its diverse range of activities and opportunities, the Adi

Shankara Photography Club serves as a platform for individuals to explore their creativity, develop technical skills, and share their love for the art of capturing moments.

Objectives:

Promote Photography: The club aims to cultivate a culture of photography, encouraging individuals to explore the world through the lens and appreciate the power of visual storytelling.

Skill Development: Through workshops, seminars, and training sessions, the club strives to enhance the technical knowledge and practical skills of its members, enabling them to become proficient photographers.

Encourage Collaboration: The club fosters a collaborative environment where members can engage in group activities, exchange ideas, and learn from one another's experiences.

Showcase Talent: The club provides a platform for members to exhibit their photographic work through exhibitions, competitions, and online platforms, enabling them to gain recognition and appreciation for their talent.

Community Engagement: The club actively participates in community events, initiatives, and social causes, leveraging the power of photography to create awareness and inspire positive change.

Functions:

Workshops and Training Sessions: The club organizes regular workshops and training sessions on various aspects of photography, including camera handling, composition, lighting, post-processing techniques, and more. These sessions are conducted by experienced photographers, industry experts, and guest lecturers to impart valuable knowledge and practical skills to the members.

Photo Walks and Field Trips: The club organizes photo walks and field trips to different locations, providing opportunities for members to explore diverse subjects, practice their skills, and capture unique moments. These outings also foster a sense of camaraderie among the members, facilitating shared learning and mutual inspiration.

Competitions and Exhibitions: The club conducts photography competitions and exhibitions, both within the institute and in collaboration with other institutions and organizations. These events serve as platforms for members to showcase their talent, receive feedback, and gain exposure to a wider audience.

Online Platforms and Social Media: The club maintains an active online presence through dedicated platforms and social media channels. This enables members to share their work, engage in discussions, and stay updated on the latest trends and developments in the field of photography.

Collaborations and Guest Speakers: The club collaborates with renowned photographers, artists, and organizations to organize guest lectures, interactive sessions, and collaborative projects. These collaborations provide members with valuable insights, networking opportunities, and exposure to diverse photographic styles and perspectives.

Roles and Responsibilities of Office Bearers:

Coordinator: The Chief Coordinator oversees the overall functioning of the club, provides strategic direction, and ensures that the club's objectives are met. They coordinate with other office bearers, manage club activities, and represent the club in external engagements.

Student Coordinator: The Student Coordinator is responsible for maintaining records, managing communications, and organizing club meetings. They handle club documentation, handle correspondence, and assist in event planning and coordination.

Batch Coordinators: The Batch coordinators are responsible for planning, organizing, and executing club events, including workshops and maintain communication with their batch

In conclusion, the Adi Shankara Photography Club is an excellent platform for students and faculty members to develop their photography skills and showcase their talent. The club's objective is to promote photography and to foster a passion for it among the members. The club's office bearers play a crucial role in organizing activities and events, managing the club's finances, and maintaining records.

Electoral Literacy Club

Electoral Literacy Club (ELC)

Electoral Literacy Clubs are being established across India to enhance electoral literacy among all age groups of Indian citizens. These clubs aim to engage people through interesting activities and hands-on experiences in an apolitical, neutral, and non-partisan manner. A significant focus is on colleges, targeting new voters aged

18-21 years who are pursuing their graduation.

The ELC at Adi Shankara Institute of Engineering and Technology was constituted in the academic year 2023-24. The club includes students from all semesters as its members. The coordinators appointed for the ELC are Mr. Kiran K S, Assistant Professor in the Mechanical Engineering department, and Ms. Ashna Mohan, Assistant Professor in the Electrical and Electronic Engineering department.

Objectives of ELC

Each floor has a Voter Education: Educate targeted populations about voter registration, the electoral process, and related matters through hands-on experience.

EVM and VVPAT Familiarization: Facilitate familiarization with Electronic Voting Machines (EVMs) and Voter Verifiable Paper Audit Trail (VVPAT), and educate about the robustness of EVMs and the integrity of the electoral process.

Understanding the Value of Vote: Help the target audience understand the value of their vote and exercise their right to vote confidently, comfortably, and ethically.

Community Electoral Literacy: Harness the potential of ELC members to spread electoral literacy within their communities.

Voter Registration Facilitation: Facilitate voter registration for eligible members who are not yet registered.

Culture of Electoral Participation: Develop a culture of electoral participation, maximize informed and ethical voting, and follow the principles of "Every vote counts" and "No Voter to be Left Behind."

Activities Conducted

The ELC at Adi Shankara Institute of Engineering and Technology, in association with NSS and Hindustan Scout and Guide members, has conducted various activities, including:

Poster Designing: Creative sessions where students design posters to promote electoral awareness and participation.

Mere Pahla Vote, Desh Ke Liye Campaign: A campaign to motivate first-time voters to participate in the electoral process.

Voters Awareness Program: Programs designed to educate and inform students about the importance of voting and the electoral process.

These activities aim to foster a deeper understanding of the electoral process, encourage active participation, and ensure that every eligible voter exercises their right to vote

Drone Club

On August 2, 2024, the Drone Club was officially launched as an initiative by the Department of Robotics and Automation at Adi Shankara Institute of Engineering and Technology. This initiative is led by Prof. Sreedeepr Krishnan, with active involvement from a group of drone-enthusiastic students from the same department. The Drone Club aims to foster creativity, technical skills, and collaboration among students interested in UAV (Unmanned Aerial Vehicle) technologies.

Objectives

- Promoting drone literacy through workshops and technical sessions.
- Facilitating hands-on experience in drone construction, programming, and piloting.
- Encouraging interdisciplinary collaboration for drone-related projects.
- Organising competitions, hackathons, and exhibitions to showcase student projects.
- Fostering research initiatives with potential applications in agriculture, surveillance, and logistics

Key Activities

- Workshops and Training: Organizing sessions on drone assembly, coding, and flight control techniques.
- Competitions: Preparing students to participate in regional and national drone challenges.
- Industry Interactions: Inviting experts for guest lectures on emerging trends and regulations in UAVs.
- Project Development: Promoting student-led projects focusing on innovative drone applications.

Expected Outcome

- Skill Development: Enhanced technical and problem-solving abilities among students.
- Increased Participation: Active involvement in drone competitions and exhibitions.
- Research Opportunities: Collaboration on research projects integrating UAVs and automation.
- Community Engagement: Deployment of drones for social good, including environmental monitoring and disaster response.

The Drone Club looks forward to becoming a center for excellence in UAV technology at Adi Shankara Institute of Engineering and Technology, inspiring future engineers to lead innovations in the rapidly evolving field of drones.

Parent Teacher Association

The Parent-Teacher Association (PTA) is a formal organization composed of parents, teachers and staff that is intended to facilitate parental participation in the Institute. An active PTA is functioning in the Institute.

The goals of PTA are:

- Improving communication between parents and teachers to bridge the gap between home and the Institute by providing a forum for parents and teachers to share information and ideas.
- Encouraging parental involvement in their children's education for them to attend Institute's events.
- To support a variety of Institute's programs and activities, such as field trips, new books, and technology.
- Advocate for the school at different forums to secure funding, improve facilities, and promote policies that support student learning.

PTA Executive Committee Members (2023-24)

President	Dr. M S Murali, Principal, ASIET Kalady
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Vice President	Prof. Prasad S, Associate Professor, Department of Economics, Sree Shankara College, Kalady
Secretary	Ms. Gomathy S, Associate Professor, EEE Department, ASIET Kalady
Joint Secretary	Mr. Harikumar G, Sales Manager, Chilton Refrigeration Private Ltd, Edappally
Treasurer	Ms. Ashna Mohan, Assistant Professor, EEE Department, ASIET Kalady

Physical Education

Physical Education in colleges is instrumental in promoting physical fitness, developing social skills, enhancing mental well-being, and educating students about healthy living.

It equips students with the necessary knowledge and skills to maintain a healthy and active lifestyle throughout their lives.

At ASIET, Physical Education is integrated into the college curriculum which will support in the holistic development of the students and help them to become a responsible citizen. ASIET recognizes the role of sports & physical fitness and its vitality in shaping an individual's personality.

About ASIET Physical Education Department

- * ASIET has a vibrant Physical Education department.
- * With the support of the management, each year various sports and game activities are organized for the students.
- * Selection trials are organized to find out the talents in different sports and game events and appropriate guidance and coaching is provided for the selected students.
- * Also, students are encouraged to take part in various inter-collegiate and university level sports activities.
- * Presently, we have students participating in athletics, cricket, football, basketball, volleyball, badminton from our college.

Infrastructural Facilities Available for Students

Outdoor Facilities

- * 200 mts. Athletics Track
- * Football Play field

* Cricket Play field

* Volleyball court

* Shuttle court

* Basketball court

* Cricket net

Indoor Facilities

* Table Tennis

* Chess Boards

* Carom Boards

* Gymnasium

Details of Various Sports Activities Conducted by ASIET Physical Education Department During the Academic Year 2023-24

S I N O	Date	Activity	Venue	Achievement/Re marks

1	19.10. 2023 - 20.10. 2023	KTU D Zone Badmi nton (Men)	Sanskara School linfo park (MITS Varikkoli)	Participation
2	19.10. 2023 - 20.10. 2023	KTU D Zone Badmi nton (Wome n)	Sanskara School linfo park (MITS Varikkoli)	Ann Rose Mannara - S1 EBE (Selected KTU Dzone Team)
3	30.10. 2023 - 31.10. 2023	KTU D Zone Basket Ball (Men)	Sanskara School linfo park (MITS Varikkoli)	Arun Nand B S - S3 CS AI (Selected KTU Dzone Team)
4	30.10. 2023 - 31.10. 2023	KTU D Zone Basket Ball (Wome n)	Sanskara School linfo park (MITS Varikkoli)	Rosemin Jose - S5 EEE (Selected KTU Dzone Team)
5	25.10. 2023 - 26.10. 2023	KTU D Zone Kabad	KMEA Engineering College,	Second Runner-Up

		di (Men)	Pookkattupa dy	
6	17.11. 2023	KTU D Zone Chess	MA Engineering College, Kothamanga lam	Participation
7	09.11. 2023	KTU D Zone Valley Ball (Wome n)	Muthoot Engineering College, Varikkoli	Champions
8	18.11. 2023 - 20.11. 2023	KTU Inter Zone Valley Ball Tourna ment (Wome n)	TKM Enginnering College, Kollam	Champions
9	28.11. 2023	KTU D Zone Valley	Muthoot Engineering College, Varikkoli	Participation

		Ball (Men)		
10	05.12. 2023	KTU D Zone Foot Ball (Men)	Muthoot Engineering College, Varikkoli	Aadithyan K - S3 CS A (Selected KTU Dzone Foot Ball Team)
11	01.12. 2023	Kho-K ho Practic e Match (Men & Wome n)	Morning Star Home Science College, Angamaly	Participation
12	06.12. 2023	KTU D Zone Kho-K ho (Men & Wome n)	SCMS College, Karukutty	Athuk Krishna, Chaithanya C R, Arjun S, Akhil Babu & Tom Davis (KTU D Zone Kho-Kho Team)
13	07.11. 2023	KTU Badmi nton Team	NSS College, Palakkadu	Ann Rose Mannara - S1 EBE (Selected

		Selection		KTU Badminton Team)
14	04.11.2023	KTU Basket Ball Team selection	MAR BASELIOUS Erngineering College, Trivandrum	Arun Nand B S - S3 CS AI (Participation)
15	25.11.2023	KTU Basket Ball Team selection	ICCS Muplum, Thrissur	Rosemin Jose - S5 EEE (Selected KTU Basket Ball Team)
16	16.12.2023	KTU Foot Ball Team Selection	TKM Enginnering College, Kollam	Aadithyan K - S3 CS A (Participation)
17	9.12.2023	KTU Kho-K ho Team Selection (Men &	Govt. Engineering College, Sreekrishna puram, Palakkad	Athuk Krishna, Chaithanya C R, Arjun S, Akhil Babu & Tom Davis (Participation)

		Wome n)		
1 8	18.11. 2023 - 20.11. 2023	KTU Inter Zone Valley Ball Tourna ment (Wome n)	TKM Enginnering College, Kollam	Angel Mariya Saju - S1 EBE, Meghana Reji - S1 RA, Devika Sabu - S1 RA, Krishna Priya P A - S1 RA, Anusree P - S1 ECE & Keerthana M - S1 ECE (Selected KTU Valley Ball Team)
1 9	25.10. 2023	KTU D-Zon e Kabad di Tourna ment	KMEA Engineering College, Pookkattupa dy	2nd Runner-up
2 0	05.03. 2024 - 13.05. 2024	KTU D-Zon e Cricket Tourna ment	MA Engineering College, Kothamanga lam	1st Runner-up

The Institute provides state of the art facilities like:

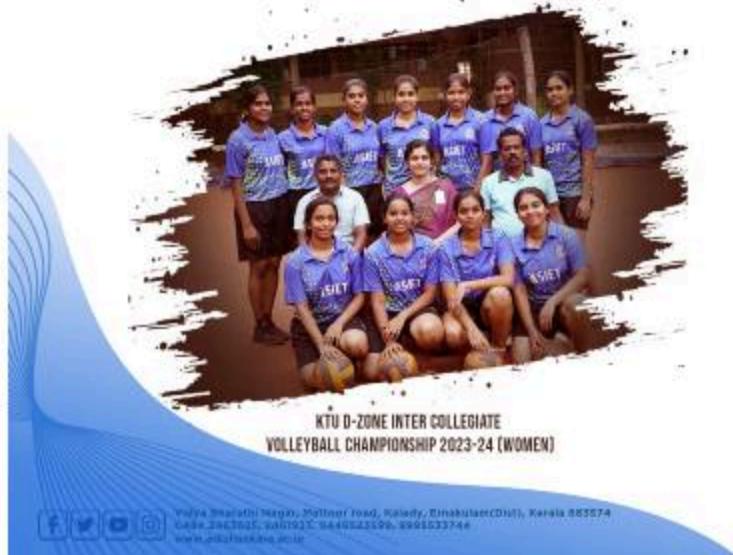
- Fitness Center
- Basketball Court
- Volleyball Court
- Table Tennis
- Football Field
- Shuttle Badminton Court
- Cricket Nets

Achievements



KTU D ZONE Women Volleyball Champions 2024-2025

we are the champions.....



KTU D-ZONE Inter Collegiate Volleyball Championship 2023-24

Excited to share that our volleyball team has exhibited a spectacular performance in the KTU D-ZONE Inter Collegiate Volleyball Championship 2023-24 (Women) match being held at Muthoot Institute of Science and Technology. We won the semifinal against MA college, Kothamangalam with a set score of 25 -1 and 25-3. A spectacular lead as our volleyball team wins the finals in KTU D-ZONE Inter Collegiate Volleyball Championship 2023-24 (Women) defeating FISAT for a score of 25-9 and 25-5.



CONGRATULATIONS



**KTU D-Zone
Cricket Tournament 1st Runner-Up**



KTU D-Zone Cricket Tournament 1st Runner Up



KTU D Zone Badminton Team

Ann Rose Mannara of EBE department got selected in the APJ Abdul Kalam Technological University D Zone Badminton Team



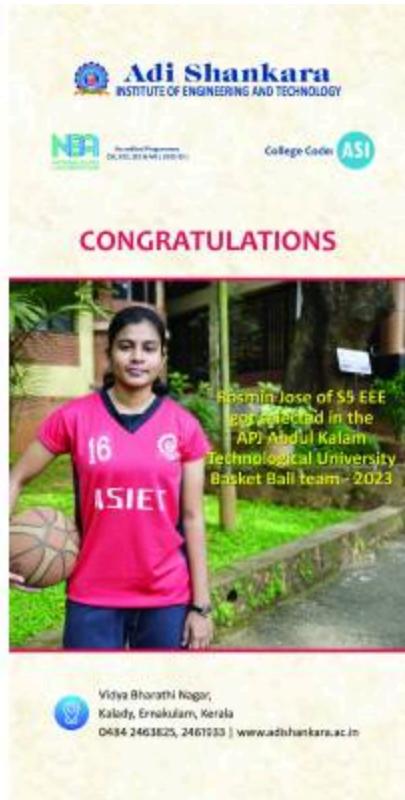
Best Sports Person ASIET



KTU D Zone Kabaddi Third Prize

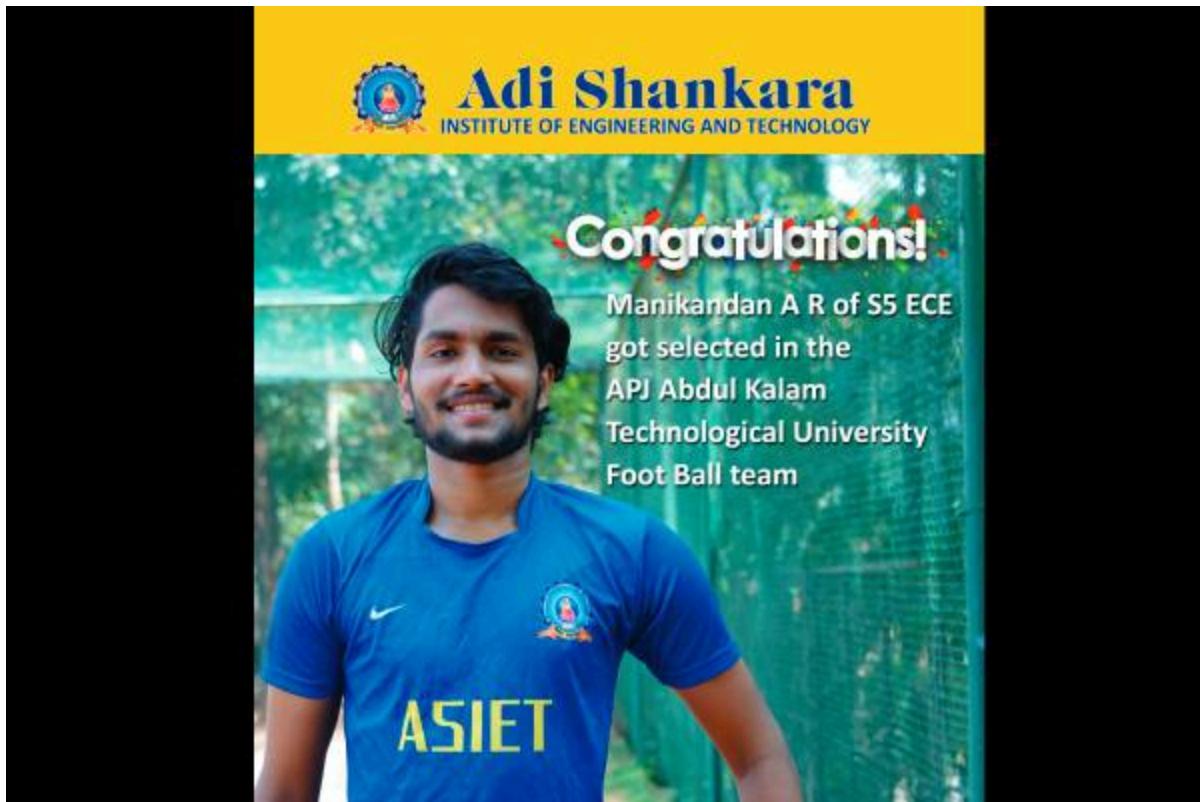


Annual Athletic Meet 2023-2024



KTU Basket Ball Team

Rosmin Jose of EEE department got selected in the APJ Abdul Kalam Technological University Basket Ball Team



KTU Football Team

Manikandan A R of ECE department got selected in the APJ Abdul Kalam Technological University Football Team

**KUDOS
TO THE CHAMPIONS OF THE PITCH**



ALL INDIA PROFESSORS CRICKET TOURNAMENT
FISAT CUP SEASON 3



Vidya Bharathi Nagar, Mattoor road, Kalady, Ernakulam(Dist), Kerala 683574
0484 2463825, 2461933, 9446523599, 9995533744
www.adishankara.ac.in

All India Professors Cricket Team Winners



KTU Women Volleyball Champions



Muthoot Football Tournament 1st Runner Up



KPCL Cricket Tournament

CONGRATULATIONS

KTU D-Zone Kho-Kho Second Runner-Up



KTU D Zone 2nd Runner Up



KTU Basketball Team Member - Rosmin Jose EEE



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Congratulations!

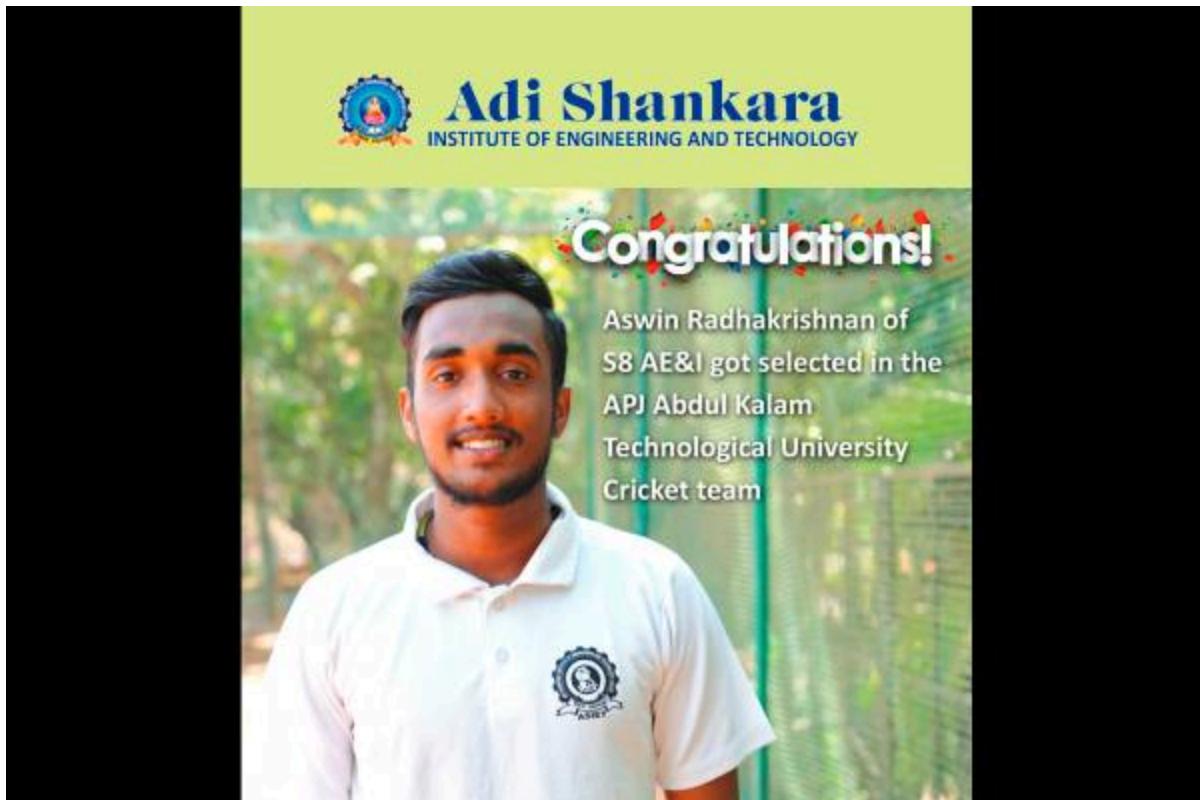
Akhil Babu - 110 m Hurdles Silver (S4 EEE)
Emil Bento - Discus Throw Bronze (S4 ME)
Katherin T Jose - Long Jump Bronze (S2 ECE)

Winners of
APJ ABDUL KALAM
TECHNOLOGICAL UNIVERSITY
ATHLETIC MEET 2019-2020

www.adishankara.ac.in

KTU Athletic Meet 2019-2020

Winners of APJ Abdul Kalam Technological University Athletic Meet 2019-2020



KTU Cricket Team

Aswin radhakrishnan of AE department got selected in the APj Abdul Kalam
Technological University Cricket Team

Congratulations!

ADI SHANKARA CRICKET TEAM



**APJAKTU D-ZONE CRICKET TOURNAMENT 2019
IInd RUNNERS-UP**

KTU D-Zone Cricket Tournament

APJ Abdul Kalam technological University D-Zone Cricket Tournament -2019 IInd
Runners up



KTU Football Team

Rahul M R of IT department got selected in the APJ Abdul Kalam Technological University Foot Ball team and Don Davis of S7 ECE got selected as reserve player

Staff Welfare

At ASIET we prioritize the well-being and happiness of our staff members because we believe that a positive working environment enhances productivity and fosters a sense of community. Our commitment to staff welfare is reflected in various initiatives and support systems designed to ensure that every member of our team feels valued and supported.

Objectives

- To organize and manage the welfare activities of the staff.
- To coordinate the recreational and cultural activities of the staff.

- To give financial aid to the staff members who are needy.
- To award mementos and presentations.
- To organize charitable activities in and around the college.
- To arrange felicitation meetings when a staff member is to be honoured.

Welfare measures for Staff

Financial benefits

- To organize and manage the welfare activities of the staff.
- Gratuity is given to all the staff of ASIET.
- Employees' Provident Fund (EPF) and Employee State Insurance (ESI) benefits are given to non-teaching staff.
- Group personal accident policy benefit.
- Faculty members participating in the faculty development programmes (FDP)/conferences are entitled to claim the registration fee.
- Towards professional body membership, faculties are eligible to get 50% of the membership fee from the institution.
- Fee concessions are provided for the children of teaching and non-teaching staff.
- Free uniforms are provided to college bus drivers.

Facilities

- Banking facility: Banking and ATM facilities are available in the campus.
- Transport Facilities: Faculties are given 50% concession in college bus fees.
- Separate wellness clinic is available which is effectively run by a doctor from a reputed hospital nearby.
- Counselling facilities are available for both students and staff.
- Separate vehicle parking for faculties.
- A store and reprographic center.
- The college canteen is provided with separate seating facilities for staff.
- A well maintained cafeteria is functioning in the campus.

Central Computing Facility (CCF)- The College is fully Wi-Fi enabled.

Annual recreational activities and free medical camps.

Women Empowerment Cell

Internal Complaints Cell

Grievance Redressal Cell

Gender and Equity Cell

Leave benefits

Duty leaves

Paid medical leaves are allowed for staff in case of hospitalization.

Paid block leaves

Paid maternity leaves

Study and Research leaves

Recognitions and Rewards

Best teacher awards and appreciation letters are given to staff based on academic results achieved in University examinations.

Staff are appreciated for their achievements in various academic and non-academic activities.

Staff are appreciated for scoring excellent in the performance appraisal process.

Staff are given promotions based on their experience and qualifications.

Avenues for career development and growth

Conferences and FDP are organized at national and international levels

IEDC, TBI and FABLAB

Research cell

Staff Grievance Committee

The Faculty Grievance Redressal Committee at ASIET aims to address and resolve issues or grievances raised by faculty members. The main objective is to provide a fair and structured process for handling complaints related to work conditions, professional conduct, or other matters affecting faculty members. A well-functioning Faculty Grievance Redressal Committee helps maintain a healthy academic environment and supports faculty members in addressing concerns constructively. Based on the circular No. KTU/ASST6 (ADMIN)/1902/2021 dated 31.07.2022 the GRIEVANCE REDRESSAL COMMITTEE FOR FACULTY / STAFF (Approval Process Handbook 2021-22) of Adi Shankara Institute of Engineering Technology, Kalady is constituted with the following members for the academic year 2024-25.

- Receive Complaints: The committee is responsible for receiving and acknowledging grievances filed by faculty members. These can range from issues related to administrative decisions, workplace environment, or interpersonal conflicts
- Investigate Issues: The committee conducts investigations to gather facts, review evidence, and understand the context of the grievance. This might involve interviews, reviewing documents, and consulting with relevant parties.
- Make Recommendations: Based on their findings, the committee makes recommendations for resolving the issue. This could include policy changes, disciplinary actions, or other remedial measures.
- Facilitate Resolution: The committee may mediate between the involved parties to facilitate a resolution that is acceptable to all sides.
- Ensure Confidentiality: Maintaining confidentiality is crucial to protect the privacy of those involved and to foster an environment where faculty members feel safe to raise concerns.

Report and Review: The committee often prepares reports on the cases it handles, which can be reviewed periodically to ensure the effectiveness of grievance redressal mechanisms and to identify areas for improvement.

Members of Faculty Grievance Redressal Committee

S L N O	N A T U C O M P O S I T I O N N	R E O F S E L E C T I O N	N A M E	C O N T A C T N U M B E R	E M A I L I D
1	Chair erson	Princ ipal	Dr. M.S Murali	9880 8553 02	principal@adishankara.ac.in
2	Mem ber	Sr. Prof. by Univ ersit y			

3	Member	Official from University				
4	Member	sr. faculty	Smt. Gomathy S	9447 7100 28	gomathy.eee@adishankara.ac.in	
5	Member	Sr. Faculty	Dr. Eldhouse K K	9847 6645 64	eldhosekk.me@adishankara.ac.in	

6	Member	Sr. Faculty	Dr. Sreekrishnan S	9840 6220 31	hod.mca@adishankara.ac.in
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Co-curricular Activities

Innovation and Entrepreneurship Development Centre(IEDC)

Adi Shankara Institute of Engineering and Technology proved to be the stage for yet another exciting student venture through the inauguration of Kerala Startup Mission's Innovation and Entrepreneurship Development Centre from 10th February 2015. Named as Adi Shankara IEDC Boot Camp (ABC), the chapter aims at improving the entrepreneurship and technical skills of passionate students and at the same time, coming out with produces which would have the potential of generating revenue. Adi Shankara IEDC Bootcamp is working its best to spread the message of Innovation, Incubation, and Entrepreneurship among students in the college/region.

For more details see

[IEDC](#)

Technology Business Incubator (TBI)

TBI at AdiShankara Institute of Engineering and Technology, Kalady proved to be the stage for yet another exciting student venture through the inauguration of Technology Business Incubators (TBI)'s Startup Boot Camp Chapter. The students have managed to set up a full- fledged IEDC Boot Camp in the institute with the help of Startup Village, the college management and Kerala Startup Mission (Technopark TBI).

For more details see

[TBI](#)

Industry Institute Partnership Cell (IIPC)

Interaction between educational institutions and industries is crucial for the current educational landscape. Through this interaction, students gain exposure to real-world industrial environments and an understanding of industry work culture. This experience helps them acquire knowledge about their career paths and better prepares them for placements across various disciplines. Industries, facing intense competition, need students who are well-versed in industry standards and capable of meeting those expectations. Therefore, collaboration between academia and industry is essential. Industries can help shape students into industry-ready professionals by providing training and insights. To facilitate this, the Industry Institute Partnership Cell (IIPC) was established at ASIET in February 2018 to bridge the gap between industry and academia.

For more details see

[IIPC](#)

The Institutions Innovation Council (IIC)

The Institutions Innovation Council (IIC) at Adi Shankara Institute of Engineering and Technology (ASIET) was established in the 2019-2020 academic year under the guidance of the Ministry of Human Resource Development (MHRD). The council organizes innovation and entrepreneurship promotion programs to ensure year-round activities on campus, fostering effective engagement,

learning, and practice of innovation and entrepreneurship among students and faculty. MHRD's Innovation Cell (MIC) was created by the Government of India to systematically promote a culture of innovation across Higher Education Institutions (HEIs). The primary goal of MIC is to inspire and nurture young students, supporting them to develop new ideas and transform them into prototypes during their formative years.

For more details see

[IIC](#)

Intellectual Property Rights (IPR) Cell

With the rapid advancement of engineering science and technology and the proliferation of knowledge globally, inventions and creations have become commonplace. Protecting these intellectual products from misuse is essential, necessitating legal security known as Intellectual Property Rights (IPR). To create awareness among faculty and research scholars, Adi Shankara Institute of Engineering and Technology, Kalady, established the IPR Cell on June 25, 2018, with an Orientation Programme on Intellectual Property Rights. The IPR Cell aims to foster creativity and innovation within the institute and extends its services to both in-house scholars and the local community.

For more details see

[IPR Cell](#)

FABLAB

ASIET FABLAB is a state-of-the-art digital fabrication laboratory designed to enable the creation of almost anything. This facility is available to both faculty and students for developing creative design projects and is open to all technology disciplines as well as external partners with permission. Spanning 1,365 square feet, the lab is fully equipped to produce marketable products in a short time frame. For more details see [FABLAB](#)

Brahma

The Brahma festival at Adi Shankara Institute of Engineering and Technology is eagerly anticipated as a cultural extravaganza that promises an extraordinary experience for all attendees. From mesmerizing dance and music performances to captivating fashion shows and art exhibitions, Brahma offers a diverse range of events catering to a wide spectrum of interests. The festival's lively and dynamic ambiance creates an atmosphere filled with energy and enthusiasm, ensuring an unforgettable encounter for participants. Brahma isn't just an event; it's an exhilarating blend of technology, art, and pure fun that ignites the creative spark within everyone. Each year, the festival brings forth a vibrant edition that serves as a source of immense pride for the ASIET community. More than just a festival, Brahma is an emotion—a cherished legacy passed down to each batch since its inception in 2003. This extraordinary event isn't your typical gathering; it's a powerhouse of experiences. With top-notch technical and non-technical workshops, invigorating games and competitions, and mind-blowing Pro-Shows, Brahma promises to inspire, innovate, and foster a sense of belonging. It's a celebration where creativity thrives, talents shine, and memories are etched in time, ensuring an unforgettable experience for all who participate.

Tech Fest - Ashwamedha

Ashwamedha: The Technical Fest at ASIET

Ashwamedha is the flagship technical fest of Adi Shankara Institute of Engineering and Technology (ASIET), celebrated for its grandeur and excellence. As a national-level fiesta, Ashwamedha attracts some of the brightest technical minds from across the country, providing a competitive platform where innovation, creativity, and technical prowess are put to the test.

Highlights of Ashwamedha

Technical Competitions

The two-day festival is packed with a variety of technical competitions held simultaneously across the campus. These contests challenge participants to solve complex problems, innovate solutions, and demonstrate their technical skills. Events typically include coding challenges, robotics competitions, hackathons, and various domain-specific contests such as circuit design, mechanical design, and software development.

National Participation

Students from different parts of the nation converge at ASIET to take part in Ashwamedha. This diverse participation not only elevates the level of competition but also fosters a vibrant exchange of ideas and knowledge among the students.

Professional Shows

Adding a thrilling dimension to the fest, professional shows are organized on both days of the event. These performances provide a refreshing break from the technical rigor and are a major highlight for participants and spectators alike.

Networking Opportunities

Ashwamedha is not just about competitions; it also serves as a significant networking platform. Students get the opportunity to interact with industry professionals, alumni, and peers, opening doors for future collaborations, internships, and job opportunities. This aspect of the fest is particularly beneficial for students looking to expand their professional networks and gain insights into industry trends.

Skill Enhancement

The festival plays a crucial role in helping students enhance their technical knowledge and skills. By participating in various events, students apply theoretical knowledge to practical scenarios, thereby solidifying their understanding and gaining hands-on experience. Workshops and seminars conducted by experts are also a staple at Ashwamedha, providing additional learning opportunities.

The Ashwamedha 2023 was a landmark event for ASIET. It successfully provided a platform for students to showcase their technical abilities and creativity. The event saw robust participation from students nationwide, making it a melting pot of talent and ideas. The professional stunt shows were a crowd-puller, adding excitement and drawing significant attention to the fest.

Looking ahead, ASIET aims to continue hosting such impactful events, recognizing their value in preparing students for future challenges. Ashwamedha not only enriches the

technical capabilities of the participants but also helps in building a cohesive and competitive spirit, essential for personal and professional growth.

Young Scientists Award

Adi Shankara Young Scientist Award

The Adi Shankara Young Scientist Award (ASYSA) is a prestigious accolade that identifies and nurtures the scientific potential of young innovators dedicated to addressing the world's most pressing challenges. This award celebrates exceptional craftsmanship, inspires academic excellence, and supports researchers in their quest to develop technological solutions that benefit humanity.

The primary objective of ASYSA is to:

Recognize Potential: Identify promising young scientists whose work shows exceptional promise in solving critical global issues.

Reward Excellence: Acknowledge and reward the dedication and quality of work exhibited by young researchers.

Inspire Scholarship: Motivate students to pursue academic and research excellence in STEM fields.

Support Innovation: Provide resources and encouragement for young minds to continue their pursuit of technological advancements.

Commitment to Innovation

ASIET, in collaboration with Asianet News, is committed to fostering a culture of innovation, ingenuity, and invention among students from grades 8 to 12 globally. The competition aims to locate, enthuse, and sustain the innovative spirit seen in young scientists, providing them with a platform to showcase their talents and ideas.

History and Editions

The ASYSA was first launched in 2016, with subsequent editions held in 2018 and 2019. Each edition has seen enthusiastic participation from students worldwide, showcasing a diverse range of innovative projects and ideas.

2016: The inaugural edition set a high standard, with students presenting groundbreaking projects that addressed various global challenges.

2018: The second edition built on the success of the first, attracting even more participants and showcasing a broader spectrum of innovations.

2019: The third edition continued this trend, highlighting the remarkable creativity and scientific acumen of young minds.

Competition Structure

The ASYSA competition is designed to rigorously evaluate the capabilities and potential of its participants through a multi-round format:

Preliminary Round: Open to students worldwide, this round sees active participation and serves as the initial screening of innovative ideas.

Final Round: Held at ASIET, the shortlisted candidates undergo four rigorous evaluation rounds, presenting their projects to a panel of experts.

The culmination of this intense competition is the selection of winners who receive prestigious awards, including a 10-day trip to NASA, USA.

Impact and Opportunities

Winning the Adi Shankara Young Scientist Award is a transformative experience, providing young scientists with unparalleled opportunities:

NASA Trip: Winners get the chance to visit NASA, gaining firsthand exposure to cutting-edge space technology and research.

Mentorship: Access to mentorship from industry experts and experienced scientists.

Networking: Opportunities to connect with peers, academicians, and industry leaders.

Scholarships and Grants: Financial support to further their education and research.

A Legacy of Success

Since its inception, ASYSA has turned dreams into reality for 12 winners, providing them with a platform to shine and make significant strides in their scientific careers. ASIET continues its dedication to fostering young talent and is excited to witness many more visions become reality through this esteemed award.

Cultural Fest

Each year, Adi Shankara Institute of Engineering and Technology hosts vibrant arts festivals that celebrate creativity and cultural diversity. These festivals feature a wide array of events, including music, dance, literature, mime, instrumental music, and drama

competitions, offering students a platform to showcase their artistic talents. Renowned artists and performers are often invited to conduct workshops and judge the events, adding excitement and invaluable learning opportunities. These festivals not only highlight rich cultural heritage but also encourage students to explore and nurture their artistic passions.

The vibrant campus of Adi Shankara Institute of Engineering and Technology gets transformed into a lively hub of artistic expression and cultural celebration with the successful conduction of every arts festivals conducted with unique names. This annual college-level arts fest brought together students, faculty, and guests in a dynamic showcase of creativity and talent.

Festivals of regional and national significance, such as Onam, Kerala Piravi Day (which marks the birth of the Kerala state), and Christmas, are celebrated on campus with great enthusiasm and spirit.

Sports

Adi Shankara Institute of Engineering and Technology offers excellent sports facilities to promote physical fitness and holistic development among students. The campus boasts well-maintained grounds for football, cricket, and other outdoor sports, along with courts for basketball, volleyball, and badminton. Additionally, there is a modern gymnasium equipped with the latest fitness equipment. The institute regularly organizes inter-college sports events and tournaments, encouraging students to participate and excel in various sports disciplines.

The college sports teams have achieved notable success, securing several prestigious championships at both the state and national levels. Additionally, faculty members of ASIET have excelled in their own right, clinching first prizes in state-level tournaments for cricket and badminton. These accomplishments highlight the institution's commitment to excellence in sports and its supportive environment for both students and staff to pursue athletic achievements. The annual Sports Fest is organized every year to showcase talent and foster a spirit of sportsmanship within the student community.

About IQAC

The IQAC, stands for the Internal Quality Assurance Cell, which is a mechanism that exists within educational institutions, specifically higher education institutions. Its primary purpose is to ensure and improve the quality of education and overall functioning of the institution. IQACs are typically established based on guidelines provided by quality assurance bodies such as the National Assessment and Accreditation Council (NAAC) in India.

At Adi Shankara Institute of Engineering & Technology (ASIET), the IQAC has been operating since 2018. It operates in close coordination with administrative heads and plays a pivotal role in coordinating activities related to quality assurance. Additionally, it facilitates institutional planning and development, as well as the dissemination of information regarding quality aspects.

Placement

A Real Technocrat is a personality who can identify the exact relationship between Science, Technology, Engineering and Mathematics to solve any challenging problem of Industry or Corporate. We mould our students by enabling them to learn professionally the Basics of Engineering and Science, adopt an approach different from others in solving problems, innovate, and develop a unique identity of Technocrat. Training and Placement Cell of ASIET exposes each and every student to the above culture as well as raises them to global standards.

Vision

- Symbiotic sustained excellence in training, placement, and career orientation.

Mission

- To assist the development of graduates with balance to set of technical skills, interpersonal skills and a positive attitude towards life.
- To act as a nodal agency in the institution for giving technology alliance between the industry and the institute.
- To act as a seamless conduit between industry and institute and provide quality, manpower to suit every organizational need.

B.TECH ADMISSIONS

COURSE CODE	COURSE	INTAKE
CE	Civil Engineering (NBA ACCREDITED)	60
CS	Computer Science & Engineering (NBA ACCREDITED)	180
CT	Computer Science & Engineering (Artificial Intelligence)	60
CO	Computer Science & Engineering (Data Science)	30
EBE	Electronics & Biomedical Engineering	60

EC	Electronics & Communication Engineering (NBA ACCREDITED)	90
EE	Electrical & Electronics Engineering (NBA ACCREDITED)	60
ME	Mechanical Engineering (NBA ACCREDITED)	60
RB	Robotics & Automation	60

Criteria of Eligibility for Admission (in management quota)

Nationality: Candidates must be citizens of India.

Age: Applicants should have completed 17 years of age on 31st December 2024. Exemptions are NOT allowed.

Academic Requirements: Applicants should have passed Higher Secondary Examination of the Board of Higher Secondary Education of Kerala or an examination recognized equivalent thereto with at least 45% marks in Physics, Chemistry and Mathematics (PCM) put together (regulations

as per KEAM Prospectus 2024). Rounding off of the percentage of marks to the nearest whole number is not permitted.

Entrance Examination: Candidates should qualify in the Engineering Entrance Exam conducted by the Commissioner of Entrance Exams, Govt. of Kerala.

Criteria of Eligibility for Admission (in Government quota)

Academic Requirements: Applicants should have passed Higher Secondary Examination of the Board of Higher Secondary Education of Kerala or an examination recognized equivalent thereto with at least 45% marks in Physics, Chemistry and Mathematics (PCM) put together (regulations as per KEAM Prospectus 2024). Rounding off of the percentage of marks to the nearest whole number is not permitted.

Entrance Examination: Candidates should qualify in the Engineering Entrance Exam conducted by the Commissioner of Entrance Exams, Govt. of Kerala.

Age: Applicants should have completed 17 years of age on 31st December 2024. Exemptions are NOT allowed.

For all contested areas, stipulations in KEAM Prospectus 2024 will be adhered to.

Note: In the case of considering two-year courses which form the basis of admissions, academic eligibility will be decided by the aggregate of both years.

Admission procedure will strictly be in accordance with the University and Government norms for the qualifying examination and entrance examination.

Management / NRI Quota Admissions Started.

KEAM Exam : 1st week of June

Contact for Btech Admission,

Adi Shankara Institute of Engineering & Technology

Vidya Bharathi Nagar, Mattoor, Kalady 683 574,

Ernakulam Dist, Kerala State.

Prof. Anitha P (Prof: Incharge of Admission) :+91 94465 23599

Mr. Jismon Jose (Public Relations Officer) : +91 9995533744

Tel: 0484-2463825, 2466066

M.TECH ADMISSIONS

COURSE CODE	COURSE	CONTACT	INTAKE
CSE	M.Tech. in Computer Science & Engineering	+91 965612885 0	18
PEPS	M.Tech. in Power Electronics & Power Systems	+91 965612885 0	18
VLSI	M.Tech. in VLSI & Embedded Systems	+91 965612885 0	18

CE	M.Tech. in Communication Engineering	+91 965612885 0	18
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Eligibility

The candidates shall be an Indian National

The candidate should have B.Tech. Degree in the appropriate branch of APJ Abdul Kalam Technological University or bachelor's degree in Engineering from another University approved by AICTE/UGC approved Deemed Universities in India and recognized to be eligible for higher studies by APJAKTU.

In case of candidates who have completed the Graduate Engineering course in foreign universities, an equivalency certificate from A.P.J. Abdul Kalam Technological University is to be produced

The candidate should have a minimum CGPA of 6.0 in a 10 point scale in the Engineering Degree Examination. For SEBC (OBC) students, the minimum CGPA requirement is 5.5 in a 10 point scale. Wherever the credit system is/was followed, only CGPA will be considered for selection. If the candidate has obtained the bachelor's degree in Engineering from a University where credit system is/was not followed, he/she should have a minimum of 60% aggregate marks (For SEBC /OBC students, a minimum of 55% aggregate marks in the Engineering Degree examination is mandatory). For SC/ST candidates a pass in the Engineering Degree Programme is sufficient.

In case the CGPA by any University is mentioned on a scale other than 10 point, then the corresponding CGPA will be proportionally scaled to 10 point scale.

Candidates, who have passed AMIE / AMIETE Examinations and satisfying the following conditions, are eligible for admission.

They must have valid GATE score.

A minimum of 55% marks for section B in AMIE/AMIETE examination.

Sponsored candidates from Industries, R&D organizations, National Laboratories as well as Educational Institutions, with a bachelor's degree in Engineering are eligible for admission to the M.Tech Programme

Candidate for sponsored quota must have a minimum experience of three years in the relevant field and must be sponsored by University or Industry/Teaching/Research Organizations of Centre/State Government/Private or by Private Engineering Colleges approved by AICTE. A special fee will be levied on the sponsored candidates. Such candidates may opt for admission into a programme recommended by the sponsoring institute/organization.

Admission shall normally be restricted to those with valid GATE score. However, this stipulation is relaxed in the case of sponsored candidates. In case seats remain vacant due to lack of candidates with valid GATE score, candidates without valid GATE score

shall be considered. Admission to such seats will be made on the basis of their CGPA/% marks scored in their Engineering Degree.

Candidates should produce conversion formula of their CGPA score if the same is not specifically stated in the mark list or certificate. Otherwise, the conversion formula of APJ Abdul Kalam Technological University will be taken.

Candidates who have appeared for the final semester examination can also apply, provided he /she has passed all the subjects up to and including the 6th semester exam. Confirmation of admission of such candidates shall be subject to the production of qualifying degree certificate before the date stipulated by the affiliated University.

Scholarship is available for candidates with valid GATE score as per AICTE norms for the total period of 24 months subject to the conditions mentioned in the prospectus issued by DTE.

Rank list of the students applied at the institution will be prepared and published on the basis of GATE score and the B. Tech marks. The list will be available at college notice board & website.

Selection of Candidates

Selection of candidates will be based on the GATE score.

If sufficient GATE qualified candidates are not available, the selection will be made from candidates based on the aggregate marks in their qualifying examination, as per the eligibility criteria.

Application Procedure

Application can be made through college website

An application fee of Rs.500/- need to be paid online

Application forms should reach the Principal's office on or before the specified date. The date will be available at the website.

Contact for Btech Admission,

ADI SHANKARA INSTITUTE OF ENGINEERING & TECHNOLOGY

Vidya Bharathi Nagar, Mattoor, Kalady 683 574,

Ernakulam Dist, Kerala State.

Tel: 0484-2463825, 2466066

Dr. Bipin P R (In-charge, M.Tech Admissions) : +91 9656128850

BUSINESS SCHOOL ADMISSIONS

MBA 2 Year Full time

Specializations : Finance, Human Resource Management, Marketing & Operations Management

Add-on Certification Courses

1. Business English Communication, Cambridge University.

2. Microsoft Excel

3. Business Analytics

4. Logistics & Supply Chain Management.

5. Digital Marketing.

PhD in Management

Adi Shankara Business School is an approved centre of APJ Abdul Kalam Technological University.

MBA

Any Bachelor's degree or Masters degree recognized by the University, in any discipline with minimum 50% marks in aggregate. Final year students can also apply. For SC/ST candidates, eligibility as per Kerala Government and University norms.

Students should obtain a valid CMAT/CAT/KMAT score (The minimum qualifying cut off marks of KMAT shall be 10% (72/720) for General Category. The minimum cut off for SEBC/OBC will be 10% (72/720) and 7.5% (54/720) for SC/ST)

Selection Criteria

Selection will be based on degree examination mark, valid entrance score and GD & personal interview.

KMAT online application start date : 6 Jan 2024

Last date of KMAT application form submission : February 2024

Admissions are open. Applications can be filled in college portal

Contact for Business School Admission:

Prof. Shaji Mohan

Adi Shankara Business School

hod.mba@adishankara.ac.in

Mob: +91 9645093276

Prof. Renjith K R

Adi Shankara Business School

renjith.mba@adishankara.ac.in

Mob : +91 8547538749

Tel: 0484-2463825, 2466066

To apply Any admission Online visit:

<https://www.admissions.adishankara.ac.in/>

COMPUTER APPLICATION

MCA 2 Year Full time

MCA (Two Year)-60 Seats

The admission procedure in the affiliated colleges should be based on the norms stipulated by the Admission Supervisory Committee (ASC).

The total seats are divided into two categories: 50% of the total seats come under Government Quota & 50% under Management Quota. Admission to Government Quota is through the allotment process based on the Kerala MCA Entrance rank list (LBS). For Management seats the admission will be based on the rank list published by the state Govt./LBS.

MCA

To be eligible for admission to the MCA program, applicants must meet one of the following criteria:

Passed B.C.A/ B.Sc. (Computer Science)/ B.Sc. (IT) / B.E. (CSE)/ B.Tech. (CSE) / B.E. (IT) / B.Tech. (IT) or an equivalent degree.

Or

Passed any graduation degree (e.g., B.E. / B.Tech. / B.Sc / B.Com. / B.A. / B.Voc. / etc.), preferably with Mathematics at the 10+2 level or at the graduation level.

The candidate must have obtained at least 50% marks (45% marks for candidates belonging to reserved categories) in the qualifying examination.

For students without a mathematics background, the respective university/institution will offer a compulsory bridge course as per the norms of the concerned university. An additional bridge courses related to computer subjects may be required as per the norms of the concerned university.

Admission Criteria:

The selection process may vary as per ASC (Admission Supervisory Council) MCA Admission Regulations year to year.

To get admission to the program, you need to:

Have a valid score in the LBS Entrance Examination for the respective academic year.
Submit your application online via the college website (www.adishankara.ac.in).
Have at least 50% marks in the basic degree.

Demonstrate communication skills in a group discussion (GD) and interview at the college.

Selected candidates have to remit the prescribed fees immediately through the college ERP system or College bank account.

Submit all original certificates upon joining.

If you're in your final year, provide your Transfer Certificate (TC) and final year degree certificates before classes start (dates will be on the college website).

Students admitted into a course cannot leave or discontinue it after starting classes without stating valid reasons.

Refund policy:

As per Government and AICTE norms.

Fee Structure for MCA Admission (Year Wise)

SI No	Particular	Year Wise	
		I Year Amount(Rs)	II Year Amount(Rs)
1	Tuition Fee	50000.00	50000.00

	Admission Fee (One time)	500.00	
2			
3	Caution Deposit (Refundable-one time)	10000.00	
4	Laboratory Consumables (One time)	700.00	
5	Sports and Cultural Activities (One time)	1000.00	
6	Placement	2500.00	2500.00

7	University Affiliation(One time)	4400.00	
	Total *	69100.00	52500.00

* University Exam Fee, Uniform Fee and Hostel Fee Extra

Contact for MCA admission:

AdiShankara Institute of Engineering & Technology

Vidya Bharathi Nagar, Mattoor, Kalady – 683574

Ernakulam District. Kerala

Official Website: www.adishankara.ac.in

E-Mail – info@adishankara.c.in For further details contact:-0484-24631933, 2466066

Dr. Hari Narayanan A G

Associate Professor

Department of Computer Applications

Ph - 9447985508

Dr. Sneha Prakash

Assistant Professor

Department of Computer Applications

Ph - 9946579904



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

FEE STRUCTURE

2024 ADMISSIONS

B.Tech / B.Tech Lateral Entry

Vidya Bharathi Nagar, Kalady, Ernakulam, Kerala
0484 2463825, 2461933, 9446523599, 9995533744

ADI SHANKARA INSTITUTE OF ENGINEERING & TECHNOLOGY, KALADY
FEE STRUCTURE B.TECH ADMISSION 2024

		Govt. Quota (all branches)	Govt. Quota (all branches)	Govt. Quota (all branches)	COMPUTER SCIENCE / CSE(AI)/CSE(DS)/ ROBOTICS & AUTOMATION		CIVIL / ELECTRONICS & BIOMEDICAL / ELECTRONICS & COMM. / ELECTRICAL & ELECTRONICS / MECHANICAL	
SL.N O	FEE DETAILS	GENERAL STUDENT S	SC/ST	OEC	NRI	MGMT	NRI	MGMT
1	Admission Fee (one time)	250	250	250	250	250	250	250
2	Annual Fee	75000	50000 ***	50000 (From Govt.)	162500	112500	137500	92500
3	Caution Deposit (refundable)	10000	5000	5000	10000	10000	10000	10000
4	PTA (one time)	1000	1000	1000	1000	1000	1000	1000
5	Exam Fee (1st year) **	3360	3360	3360 (From Govt.)	3360	3360	3360	3360
6	University Student Registration Fee (one time)	1050	1050	1050	1050	1050	1050	1050
7	University Affiliation Fee (one time)	1000	1000	1000	1000	1000	1000	1000
8	University Sports Fee	530	530	530	530	530	530	530
9	Student's Union Fee	1500	1500	1500	1500	1500	1500	1500
10	ID card	110	110	110	110	110	110	110
	GRAND TOTAL	93800	*63800	*63800	181300	131300	156300	111300

*** As the Government have transferring the Fee directly into the Bank Account of the Students, the SC/ST students have to pay the fees within 7 days after getting the amount disbursed by the Government into their account

FEE - CURRENT UNIVERSITY EXAMINATIONS (To be paid into KTU account)

** 2nd year Rs. 5250/-

3rd year Rs. 5250/- (for CS & EC students, 4875/-)

4th year Rs. 3770/- (2019 Regulation)

students are required to pay the fees fixed by the APJA KTU from time to time.

*Uniform charges extra

* At The time of admission SC/ST/OEC students are required to pay Rs. 10,440/- only.

ADI SHANKARA INSTITUTE OF ENGINEERING & TECHNOLOGY, KALADY
FEE STRUCTURE B.TECH ADMISSION 2024 (LATERAL ENTRY)

2nd YEAR		CSE / CSE (AI) / CSE (DS) / ROBOTICS & AUTOMATION		CIVIL / ELECTRONICS & BIOMEDICAL / ELECTRONICS & COMM. / ELECTRICAL & ELECTRONICS / MECHANICAL	
SL.NO	FEE DETAILS	MERIT	MGMT	MERIT	MGMT
1	Admission Fee (one time)	250.00	250.00	250.00	250.00
2	Annual Fee	55,000.00	55,000.00	40,000.00	40,000.00
3	Special Fee		5,000.00		5,000.00
4	Caution Deposit (refundable)	10,000.00	10,000.00	10,000.00	10,000.00
5	PTA (one time)	1,000.00	1,000.00	1,000.00	1,000.00
6	Exam Fee **	5,250.00	5,250.00	5,250.00	5,250.00
7	University Student Registration Fee (One Time)	1,050.00	1,050.00	1,050.00	1,050.00
8	University Affiliation Fee (one time)	1,000.00	1,000.00	1,000.00	1,000.00
9	Students' Union Fee	1,500.00	1,500.00	1,500.00	1,500.00
10	University Sports Fee	530.00	530.00	530.00	530.00
11	ID Card	110.00	110.00	110.00	110.00
	GRAND TOTAL	75,690.00	80,690.00	60,690.00	65,690.00

Uniform charges extra*

**** 3rd year - Rs. 5250/- (for CSE& ECE Students 4875/-)**

**** 4th Year 3770/- (2019 Regulation)**

Students are required to pay the fees fixed by the APJA KTU from time to time.

ADI SHANKARA INSTITUTE OF ENGINEERING & TECHNOLOGY, KALADY

M.Tech Fee Structure (2024 - 25)

Fee Items	Semester 1	Semester 2	Semester 3	Semester 4
Admission Fee	500			
Tuition Fee*	15000*	15000*	15000*	15000*
Caution Deposit	2500			
Other Fees: Administration Charges+Sports Fee+Affiliation	2580			
GRAND TOTAL	20,580.00	15,000.00	15,000.00	15,000.00

***SCHOLARSHIP**

1. For students secured 85% and above in the qualifying examination-5000/- (Tuition Fee Rs.10000/-)

2. For students secured 75% and above in the qualifying exam - 3000/- (Tuition Fee Rs.12000/-)

University Fee ::

To be paid by the students separately

Boys Hostel Admissions

About

College provides separate hostel facility for first year and higher semester students. Adi Shankara Senior Boy's hostel is built in three floors and accommodates 2nd, 3rd, 4th year B.tech students and PG students. This hostel can provide accommodation facility for one hundred and ninety inmates. It has 56 rooms with 4 per room facility and four spacious dormitories. It also includes 8 faculty rooms with attached bath facility. The institute also provides separate hostel facility for first year boy's with a total accommodation capacity of 150. There is one senior faculty as Hostel warden, one resident hostel warden and a resident tutor faculty for maintaining discipline and facilitating a learning atmosphere in hostel.

Rules & Regulations

- Ragging is strictly prohibited in any form; if someone is found guilty, severe action will be taken.
- Students during their stay in the hostel will be governed by the hostel management rules.
- Study time (8.00pm onwards) proper silence should be maintained.
- Mobile phone usage after 8.00PM is not allowed.
- Students are not allowed to consume alcoholic, narcotic drugs or any intoxicating substance in the hostel premises.
- Students should not keep any unauthorized property and unauthorized guests in his/her room. Students other than hostlers must leave the hostel before 6.30pm.
- No person, either guest or otherwise shall be permitted to stay overnight in any part of the hostel.
- In case, guests want to stay overnight in the hostel, he/she should take permission from warden on or before 6.30pm.
- Students are not allowed to take common newspapers to their room at any time.

- Students should handle hostel equipment, furniture, mess property carefully and not abuse or tamper with it. If so then applicable fine will be charged by the hostel management.
- Students have to use water and electricity judiciously.
- If fan, tube, etc. found ON in the absence of the students at their rooms, fine will be charged by the hostel authorities.
- Students will not enter rooms of other students during study time.
- Every case of illness and accident must be reported immediately to the hostel authorities.
- No function or celebration shall be organized at hostel premises except with the permission of the Warden.
- Keep the hostel rooms, area etc neat and clean always.
- Drying of clothes should be at the places earmarked for the purpose.
- Hostel accommodation (room) can be changed by the management if they found it necessary at any point of time.
- Students indulging in use of abusive and threatening language, physical fights, use of force to get unfair act accomplished, etc. will be punished. Further, they are liable to be expelled from the hostel/ Institute.
- Playing music/record player etc. loud enough to cause disturbance to his/her neighbor(s) is prohibited. Defaulters will be punished.
- Recreational facilities like TV, Gym, T.T, badminton ...etc. can be used by hostel inmates from 4.30 to 7.30pm.
- During college hours students should not stick around in the hostel.
- Students can leave the hostel, if necessary, only after making entry in the prescribed register and getting written permission from the Warden or a staff authorized by him. Unauthorized leaving will be viewed seriously and disciplinary action will be taken against the defaulters.
- All the inmates of the hostel must be present without fail at the time of roll-call. Non compliance will be viewed seriously.
- Hostel customs are common sense practices. Offensive behavior to be avoided.
- All students to adhere the hostel rules and regulations and also the instructions passed on from time to time by the hostel authorities.

Administration

Dr. Subiramonyan S, Resident Warden (Mobile: +91 9790120284)

Dr. Sivaprasad P V, Resident Warden, 1st year Boy's Hostel (Mobile: +91 9447163865)

Mr. Harikrishnan, Matron, 1st year Boy's Hostel (Mobile: +91 9745203849)

Mr. Pushpadas, Matron, Senior Hostel (Mobile: +91 7909112181)

Tel: 0484-2463825, 2466066, 2461933

Fee Structure

HOSTEL ADMISSION - FEES PAYABLE

AT THE TIME OF JOINING

SL NO	PARTICULARS	RATE	
1	Admission Fee	500.00	

2	Establishment Fee	4000.00	
3	Caution Deposit (Refundable at the end of course period)	5000.00	
4	Rent Advance (Refundable at the end of course period)	1500.00	
5	Mess Advance (Refundable at the end of course period)	3000.00	
6	Non A/c Accommodation Charges (Yearly)	24000.00	
Non A/c Total		38000.00	

7	A/c Accommodation Charges (Yearly)	29000.00	
	A/c Total	43000.00	
8	Refund Details - At the end of course period (SL NO 3+4+5)	9500.00	
9	Mess Charges	140 per day*	
For Monthly Accommodation for other Institutions			
10	Rent	2000.00	
11	Mess fee monthly	4340.00	

Total	6340.00	
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*Mess Cut

Hostel inmates are required to stay in Hostel throughout the period. On normal holidays like Saturday/Sunday, no mess cut is allowable. However, if an inmate takes continuous leave for more than three days (ie four days and more) on medical grounds, mess cut is allowable, provided the student requests in writing before availing the leave. If the college remains closed due to declared holidays (other than on Saturdays and Sundays), a mess cut is allowable if the student informs his intention in writing before leaving home.

Facilities

- Each floor has a resident warden from teaching staff
- Round-the-clock WiFi connectivity
- Separate reading rooms on each floor
- Common room for Television
- Badminton Court
- Volley Ball Court
- Football Field
- Table Tennis
- Gym Facility
- Carrom board, Chess board

Girls Hostel Admissions

About

We provide separate hostel facilities for the Lady Students which can accommodate more than 300 students. The ladies hostel offers a choice of rooms, including both air-conditioned (AC) and non-air-conditioned (Non-AC) options. Facilities are available with rooms of varying capacities, including rooms that can accommodate 3, 4, or 5 individuals. There are separate reading rooms on each floor and a common area provided for watching television. For managing hostel activities, three residential wardens and two matrons are available in the hostel on all working days. Security person ensures the safety of the residents 24x7. Four sanitation workers are available on Monday to Saturday (8.00 AM to 5.00 PM)

Rules & Regulations

- Keep silence in the Hostel.
- Mobile phone usage after 8.00PM is not allowed.
- Closing door at the time of studies
- The talk, songs, conversations, discussions etc should not be a nuisance to the other inmates, especially to the roommates.
- Keep the hostel rooms, area etc neat and clean always.
- Bed should be properly laid by individual students before leaving to the classes.
- Drying of clothes should be at the places earmarked for the purpose.
- Do not throw the waste here and there. Put them in the dust bin/basket meant for that purpose.
- Do not disposition, damage or disfigure the hostel properties like building, ancillaries, furniture, equipment etc.
- All students will take fire precautions when they are in the hostel/classes.
- Switch off the lights, fans etc when they are not in use.
- Water is precious. Conserve it. Close the tap immediately after the use.
- Hostel customs are common sense practices. Offensive behavior to be avoided.
- Students can leave the hostel, if necessary, only after making entry in the prescribed register and getting written permission from the Warden or a staff authorized by him. Unauthorized leaving will be viewed seriously and disciplinary action will be taken against the defaulters.
- Ragging is strictly prohibited.
- Guests/Parents/Friends and day scholars are not allowed in the hostel especially to the living rooms. They will be attended to in the visitor's room by providing time.
- All the inmates of the hostel must be present without fail at the time of roll-call. Non compliance will be viewed seriously.
- Mess timings fixed shall be strictly adhered to.
- Taking food from unauthorized sources is strictly forbidden. Inmates should take food only from the College Canteen/Mess while they are in hostel.
- Students shall utilize the recreation facilities of the hostel between 4.15 P.M. to 7.30 P.M.
- During college hours students should not stick around in the hostel.
- All students to adhere the hostel rules and regulations and also the instructions should be passed on from time to time to the hostel authorities.

Administration

Prof. Archana Aniyan, Chief Warden (Mobile No: +91 9446944885)

Prof. Veena S Kumar, Resident Warden (Mobile No: +91 9496537955)

Priya Jayakumar, Matron (Mobile No: +91 8848493720)

Valsa Thomas, Matron (Mobile No: +91 9747013405)

Fee Structure

HOSTEL ADMISSION - FEES PAYABLE AT THE TIME OF JOINING

SL NO	PARTICULARS	RATE	
1	Admission Fee	500.00	

2	Establishment Fee	4000.00	
3	Caution Deposit (Refundable at the end of course period)	5000.00	
4	Rent Advance (Refundable at the end of course period)	1500.00	
5	Mess Advance (Refundable at the end of course period)	3000.00	
6	Non A/c Accommodation Charges (Yearly)	24000.00	
Non A/c Total		38000.00	

7	A/c Accommodation Charges (Yearly)	29000.00	
	A/c Total	43000.00	
8	Refund Details - At the end of course period (SL NO 3+4+5)	9500.00	
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more than three days (ie four days and more) on medical grounds, mess cut is allowable, provided the student requests in writing before availing the leave. If the college remains closed due to declared holidays (other than on Saturdays and Sundays), a mess cut is allowable if the student inform his intention in writing before leaving home.

Facilities

More than 300 students' accommodation for girl students

3 Guest Faculty Room

Each floor has a resident warden from teaching staff

Round-the-clock WiFi connectivity

Separate reading rooms on each floor

Common room for Television

Badminton Court

Carrom board, Chess board

Laundry service

Mess with dining area

Research & Innovation

Research @ ASIET

The Research Cell at Adi Shankara Institute of Engineering and Technology (ASIET) is dedicated to fostering a robust research environment that encourages innovation and scholarly excellence. Our mission is to support and enhance research activities across various engineering and technology disciplines, promoting interdisciplinary collaboration and contributing to the advancement of knowledge and technology.

Objectives

- Promote Research Excellence: Encourage high-quality research that addresses real-world engineering and technological challenges.
- Interdisciplinary Collaboration: Facilitate collaborative research projects across different engineering departments and fields of study to leverage diverse expertise and perspectives.
- Student Engagement: Engage students in research activities to enhance their academic experience and prepare them for careers in research and development.
- Funding and Resources: Provide access to funding opportunities, state-of-the-art facilities, and resources to support research initiatives.
- Innovation and Entrepreneurship: Support the translation of research findings into innovative products, services, and start-ups through collaboration with the institute's incubation center (IIC), Industry-Institute Partnership cell (IIPC), and IEDC.

Key Activities

- Research Projects and Grants: Assist faculty and students in identifying and securing research grants from national and international funding agencies. Provide guidance on proposal writing and project management.
- Workshops and Seminars: Organize workshops, seminars, and conferences to disseminate research findings, share knowledge, and foster collaboration among researchers.
- Publication Support: Encourage and support the publication of research findings in reputed journals and conferences. Provide resources and guidance on manuscript preparation and submission.
- Collaborative Research: Facilitate partnerships with other academic institutions, research organizations, and industry to promote collaborative research projects.
- Intellectual Property and Patents: Assist researchers in protecting their intellectual property through patents and copyrights. Provide support for patent filing and commercialization of research outcomes.
- Mentorship and Training: Offer mentorship and training programs for novice researchers, helping them develop their research skills and navigate the research process.

Area of Research Faculty

Name of Faculty	Department	Area of Research
Dr. Parameswaran TG	Civil	Geo Engineering Environmental
Ms. Chithralekha Dev	V Civil	Structural Engineering

Dr.Dhanasekar K	Civil	Water Engineering	Resources
Ms.Veena S Kumar	Civil	Environmental Geotechnology	
Ms.Anna Varghese	Civil	Geotechnical Engineering	

Dr. A N Swaminathan	Civil	Concrete Technology
Ms. Harshananda T N	Civil	Environmental Engineering
Ms. Clydin P A	Civil	Structural Engineering

Ms.Rosmin Thomas	Civil	Transportation Engineering
Mr. P V Rajaraman	CSE AI	Natural Language Processing, Image Processing, Artificial Intelligence, XAI.
Dr. Binju Saju	CSE AI	Machine Learning, Deep Learning, Image Processing

Asha Rose Thomas	CSE AI	Generative Intelligence	Artificial
Remya Raveendran	CSE AI	Deep Learning with Responsible AI, Federated ML, Domain Adaptation	
Amrutha Muralidharan Nair	CSE AI	Security in cloud computing	

Sabitha M G	CSE AI	Machine learning, Artificial Intelligence
Revathy Prasannan	CSE AI	Artificial Intelligence, XA
Dr. Manesh T	CSE	Cybersecurity, Digital Forensics, Wireless Security

R. Rajaram	CSE	IoT, Software Automation
Dr. P.Sojan Lal	CSE	Solid Modeling
Ms. T Sobha	CSE	Biomedical Image Analysis

Dr. Sanaj M S	CSE	Bio inspired computing / Cloud Computing
Ms. Divya K S	CSE	Bio-Medical Image Analysis Using deep learning
Ms. Neetha K Nataraj	CSE	Bio Inspired Algorithms

Raghi R Menon	CSE	Deep Learning
Teena George	CSE	Machine Learning, IOT
Ms. Gripsy Paul	CSE	Image analytics

Ms Varghese	Rosemary CSE	Deep Learning
Ms. Anila S	CSE	Cyber Forensics and Information Security
Mr. Nikhil Narayanan	CSE	Natural Language Processing

Ms.Shyama R	CSE	Machine Learning, Medical Image Processing
Sumesh C Raman	CSE	Connectivity, Machine Learnig
Mr. Prabhu M	CSE	Block Chain

Ms.Sreedevi Krishnan	R CSE	Deep Learning
Mr. Eldhose P.Sim	CSE	Data Analytics
Mr. Sharika T R	CSE	Sentiment Analysis

Mr. Wilson Joseph C	CSE	Internet of Things & Artificial Intelligence
Ms. Jithi P V	CSE	Visual Cryptography
Ms. Reshma M R	CSE	Computer Vision

Dr. Shyni Shahajan	CSE	Image Processing
Akshaya Jayaraj	CSE	Machine Learning, Data Science
Dr. Deepa Devassy	CSE	Networking, IoT, Optimization

Ms.Chinnu Varghese	Maria	CSE	Machine Learning
Dr. Bobby Mathews C		ECE	Fiber Optics and Photonics
Dr. Bipin P R		ECE	Signal Processing

Dr. Ajay Kumar	ECE	Internet of Things
Sreekanth K S	ECE	Opto Electronics And Optical Communication
Dr. Resmi N C	ECE	Wireless Communication

Dr. Ramu R	ECE	Biomedical Signal Processing
Remya Ramesh	ECE	Image Processing
Prajeesh P A	ECE	VLSI & Embedded Systems

Archana Aniyan	ECE	Communication
Savitha Raghavan	ECE	Biomedical Image Processing
Neethu Suman	ECE	Wireless body area network

Divya V Chandran	ECE	Satellite Image Processing
Aswathy N	ECE	VLSI
Neetha K	ECE	Wireless Communications

Albins Paul	ECE	Image Processing
Neema M	ECE	Wireless Communications
Arya Paul	ECE	IoT

Prasanth P Menon	ECE	Optical fiber Communication
Anju George	ECE	VLSI Design
Jaimy James	ECE	VLSI & Image compression

Reshma Lakshmanan	ECE	Flexible Antenna Design
Dr. Anagha E G	ECE	Photonics and Optical Communication
Manesh V M	ECE	Deep Learning

Dr. Deepa Sankar	EEE	Power Electronics Renewable energy and Electric Vehicle
Ms.Gomathy S	EEE	Projects in renewable energy resources, electric vehicles Speed control of motors
Dr.Jeno Paul	EEE	Power quality, renewable sources, electric vehicle , embedded system

Ms.Anitha P	EEE	Projects based on renewable resources, energy harvesting methods ,green technologies,with social & economic impact
Dr.Babu Paul	EEE	Electrical Machines
Dr. S Subiramonyan	EEE	Power system , controller for Wind electric conversion system, optimisation, and unit

		commitment problem in power system
Ms. Rajalakshmy S	EEE	Projects based on machines, Renewable energy
Ms. Anna Baby	EEE	Power Systems

Ms. Ashna Mohan	EEE	Power System, Distributed Generation, Micro Grid and Grid Connected Inverters
Ms. Rajitha A R	EEE	Battery Management system for Electric vehicle ,EV battery charging System
Ms. Remya K P	EEE	Power Converters

Ms. Hima T	EEE	Guidance, navigation and Control of robotic vehicles, UAVs
Mr. Alan Mathew George	EEE	MPPT methods with an enhanced algorithm
Dr. Sreena Sreekumar	EEE	Renewable Energy, Electric Vehicle, Power system planning and analysis

Mr.Sijo George	EEE	Power quality ,Energy management
Mr. Sreehari S.	EEE	Power Electronics & Renewable Energy
Ms.Akhila K	EEE	Projects of social relevance, AI and ML based projects, projects related to technologies for smart grid including smart metering,

		data analytics and AI for smart grid
Dr. Eldose K.K	ME	Optimisation & industrial engineering
Dr. Jithesh K	ME	Hot corrosion, Welding, Thermal Spray Coating, Additive Manufacturing, 3D Printing

Dr. Vinay Varghese	ME	Machining, coatings, additive manufacturing
Dr. Nidhin Raj	ME	Machining,Casting,Alloy development,Additive manufacturing,Metallurgy
Dr. Vinay T V	ME	Design and development of micro-bot to traverse through micro channels

Dr. Sivaprasad P V	ME	Machining Process Optimization, 3D Printing, Design and Fabrication of Usable Products
Dr. Rahul S Arackal	ME	Thermal, and Fluids Engineering
Mr. Leo Francis	ME	Soft computing Technique , Design

Mr. Jithesh S R	ME	Friction stir welding, Robotics
Mr. Eldho Mathew	ME	Nano fluids preparation
Mr. Majo Davis	ME	Advancement in refrigeration system

Mr. Sandeep O S	ME	Manufacturing+Additive manufacturing
Mr. Goutham S	ME	CFD
Mr. Ajith M S	ME	Manufacturing & Industrial Engineering Management

Mr. Eldhose K Joy	ME	Bio fuels, Renewable Energy
Mr. Arun P Das	ME	Conventional machining + Additive Manufacturing, Design
Mr. Kiran K S	ME	Design and fabrication area

Dr. Sreepriya S	RA	<p>Development of Soft computing techniques and their application in design of robust and adaptive nonlinear controllers for real time applications</p>
Dr. Vinila M L		<p>Mathematical Modeling and Multiscale modeling of nonlinear systems, Controller design based on Robust control strategies</p>

Mr. Krishnan	Sreedeep	<p>Research domain pertains to applications of Computer vision in agriculture sector to increase the yield, Other domains of interest include drones, autonomous tractors and robotic manipulators</p>
Mr. Ranjeesh R Chandran		<p>Assistive soft wearable Robot for patients with anti-disability using deep learning techniques</p>

Dr. Julia T J		<p>Renewable energy conversion systems, and advanced control of power electronic converters, Integration of renewable energy sources, on-grid or off grid, particularly wind energy systems</p>
Dr. Athira M		<p>Thesis domain pertains to grid tied inverter control and study of microgrid stability in deregulated power system, Research interests includes the modelling of systems and soft computing and optimization techniques for controllers, in general</p>

Ms. Anju Mary Joseph		Embedded system, Machine learning
Mr. Arun Kumar K		Understanding and exploiting the underlying principles of Lagrangian mechanics to model, analyze, and control the intricate motion dynamics of robotic systems
Mr. Philip C Jacob		IOT and Industrial Automation

Ms. Jeeshma Mary Paul		<p>Research includes power electronic converters and their control for adjustable speed drives for industrial applications and electric vehicles, Also interested in multilevel multiphase induction motor drive and control of four-leg inverters.</p>
Ms. Safeena M K		<p>Design and analysis of “StewartPlatform”, a parallel manipulator with six degrees of freedom (DOF) for robotic applications demanding greater precision and accuracy, The main objection to the implementation of closed loop control in Stewart Platform is its difficulty in solving the forward kinematics</p>

Research Guides

Electronics & Communication Engineering

Dr. Ajay Kumar

Associate Professor & HOD

Dr. Bobby Mathews C

Professor, Dean PhD programmes

Dr. Bipin P R

Professor

Electrical & Electronics Engineering

Dr. Deepa Sankar

HOD & Associate Professor

Dr. Tony George

Associate Professor [On Leave]

Electronics and Biomedical Engineering

Dr. Silpa P A

Assistant Professor

Mechanical Engineering

Dr. Vinay Varghese

Associate Professor

Robotics and Automation

Dr. Sreepriya S

Dean - Research and Associate Professor

Civil Engineering

Dr. P K Suresh

Senior Professor

Dr. Dhanasekar K

Professor & Head of the Department

Dr. A N Swaminathan

Professor

Dr. Parameswaran T G

Associate Professor

Dr. Aneesh P C

Assistant Professor

Computer Science & Engineering

Dr. S. Srikrishnan

Dean-CSE

Dr. Manesh T

Associate Professor

Dr. Ramani Bai V

Professor & HOD

Dr. Sanaj M S

Associate Professor

Dr. Deepa Devassy

Assistant Professor

Dr. Shyni Shajahan

Assistant Professor

Artificial Intelligence and Data Science

Dr. Binju Saju

Assistant Professor

Dr. Amrutha Muralidharan Nair

Assistant Professor

Dr. Sarika S

Associate Professor & HoD

Computer Applications

Dr.S.Srikrishnan

Head of the Department

Dr. Hari Narayanan A G

Associate Professor

Dr. Vincy Devi V K

Assistant Professor

Dr. Sneha Prakash

Assistant Professor

Electronics & Communication Engineering

Dr. Ajay Kumar

Associate Professor & HOD

Dr. Bobby Mathews C

Professor, Dean PhD programmes

Dr. Bipin P R

Professor

Dr. Ramu R

Associate Professor

Dr. Resmi N. C

Associate Professor

Dr. Anagha E G

Assistant Professor

Dr. Neema M

Assistant Professor

Electrical & Electronics Engineering

Dr. Deepa Sankar

HOD & Associate Professor

Dr. P Jeno Paul

Professor

Dr. Babu Paul

Professor

Dr. S Subiramonyan

Associate Professor

Dr. Sreena Sreekumar

Associate Professor

Electronics and Biomedical Engineering

Dr. Remya George

Associate Professor & HOD

Dr. Lakshmi M Hari

Assistant Professor

Dr. Silpa P A

Assistant Professor

Dr. Surya D

Assistant Professor

Dr. Tresa Joseph

Assistant Professor

Mechanical Engineering

Dr. Eldose K K

Professor, HOD & Dean

Dr. Jithesh K

Associate Professor

Dr. Vinay Varghese

Associate Professor

Dr. Sivaprasad P V

Associate Professor

Dr. Nidhin Raj A

Associate Professor

Dr. Rahul S Arackal

Assistant Professor

Dr. Vinay T V

Assistant Professor

Robotics and Automation

Dr. Sreepriya S

Dean - Research and Associate Professor

Dr. Vinila M L

Associate Professor & HOD

Dr. Julia T J

Associate Professor

Dr. Athira M

Associate Professor

Dr Jeeshma Mary Paul

Assistant Professor

Business School

Dr. Anitha Thomas

Associate Professor (on leave)

Dr. Madhu C S

Professor

Placement & Professional Training

Dr. Santharamrao C P

Dean Placement cell

Basic Science & Humanities

Dr. Jayasree T G

Associate Professor & HOD

Dr. Ganga Devi T R

Associate Professor

Dr. Jini Varghese P

Associate Professor

Dr. Anand Krishnamoorthy

Associate Professor

Research Scholars

			
1	Divya K S	Ph.D in Engineering/Technology/Arc hitecture	Communication / Wireless
2	Gipsy Paul Mannickat han	Ph.D in Engineering/Technology/Arc hitecture	Computer Science and Allied Branches
3	Neetha K Nataraj	Ph.D in Engineering/Technology/Arc hitecture	Computer Science and Allied Branches
4	Alan Mathew George	Ph.D in Engineering/Technology/Arc hitecture	Electrical Engineering and Allied Branches

5	Remya K P	Ph.D in Engineering/Technology/Arc hitecture	High Gain Converter
6	Hima T	Ph.D in Engineering/Technology/Arc hitecture	Guidance and Control of Aerospace Vehicles
7	Rajitha A R	Ph.D in Engineering/Technology/Arc hitecture	Performance Improvement of Liion Battery
8	Ashna Mohan	Ph.D in Engineering/Technology/Arc hitecture	Fault Ride Through Capability of Three Phase Grid Connected Inverters
9	Neethu Suman	Ph.D in Engineering/Technology/Arc hitecture	Wireless Communication
10	Sindhu Vijayam	Ph.D in Engineering/Technology/Arc hitecture	Wireless Communication

11	Lekshmi Nair M	Ph.D in Engineering/Technology/Arc hitecture	Wireless Communication
12	Deepu Kurian	Ph.D in Engineering/Technology/Arc hitecture	Signal Processing
13	Jaison Jacob	Ph.D in Engineering/Technology/Arc hitecture	Digital Communication
14	Drisya M K	Ph.D in Engineering/Technology/Arc hitecture	Signal Processing
15	Ambili A R	Ph.D in Engineering/Technology/Arc hitecture	Communiacion/Digital Image Processing
16	Hitha P S	Ph.D in Engineering/Technology/Arc hitecture	Image Processing, Signal Processing
17	Jeejo K P	Ph.D in Engineering/Technology/Arc hitecture	Electronics and Allied Branches

18	Albins Paul	Ph.D in Engineering/Technology/Arc hitecture	Electronics and Allied Branches
19	Anjana S	Ph.D in Engineering/Technology/Arc hitecture	Electronics and Allied Branches
20	Neetha K	Ph.D in Engineering/Technology/Arc hitecture	Electronics and Allied Branches
21	Savitha Raghavan	Ph.D in Engineering/Technology/Arc hitecture	Electronics and Allied Branches
22	Divya G	Ph.D in Engineering/Technology/Arc hitecture	Computer Science
23	Sumesh M S	Ph.D in Engineering/Technology/Arc hitecture	Computer Science and Allied Branches
24	Dimple Elizabeth Baby	Ph.D in Engineering/Technology/Arc hitecture	Computer Science and Allied Branches

25	Panchami V U	Ph.D in Engineering/Technology/Arc hitecture	Computer Science
26	Nimal C N	Ph.D in Management	Management
27	Renjith K R	Ph.D in Management	Management

FDPs & Conferences Organised

Academic Year	Title of FDPs/Training Programmes/Conferences Organized by the Institution	Date of conduct	Funding Agency
2024-2025	FDP on Applied Research in Electric vehicle Technology and Renewable Energy Integration	01-07-2024 to 06-07-2024	Self Funded
2024-2025	Training Program on Virtual Lab	12-07-2024	Self Funded

2024-2025	Faculty Orientation Program by FPEC	20-07-2024	Self Funded
2023-2024	FDP on Health Safety and Environtment	28-06-2024 to 06-07-2024	Self Funded
2023-2024	FDP on Fusion 360	28-06-2024 to 30-07-2024	Self Funded
2023-2024	Workshop on ETAP software	12-04-2024	Self Funded

2023-2024	FDP on 'Robotic Operating System	22-01-2024 to 27-01-2024	Self Funded
2023-2024	Faculty training in AUTOCAD and REVIT MEP	18-01-2024	Self Funded
2023-2024	Hands on training on selected clinical analyzers is conducted for s5 EBE students by experts from Horiba's International training center Nagpur	06-10-2023	Self Funded
2023-2024	Faculty Orientation Program by FPEC	20-07-2023 to 21-07-2023	Self Funded

2023-2024	Seminar on Patent filing and drafting by Mr.Nagarajan N,Technical director, NSKD, Dharmapuri	19-07-23	Self Funded
2023-2024	Workshop on EV modelling using MATLAB	23-05-2024	Self Funded
2023-2024	Skill enhancement workshop for technical staff	20-06-2024 to 21-06-2024	Self Funded
2023-2024	A five day workshop program in Python for Bio Signal & Medical Image Processing was conducted for S5 students.	07-08-2023 to 11-08-2023	Self Funded

2023-2024	A five day workshop on Arduino and Raspberry Pi was conducted for S3 students.	11-09-23 to 15-09-23	Self Funded
2023-2024	Hands On Skill Development Workshop is conducted for s6 EBE students In association with EBE Department of ASIET, HORIBA India's Technical Institute focused on In Vitro Diagnostics (IVD) Instrumentation.	17-04-2024	Self Funded
2023-2024	Workshop-”3D Printing : Experience the next dimension” for a day is held in partnership with the EBSAA and BMESI for S6 (EBE) students by Mr. sandeep O S,	23-02-2024	Self Funded

	<p>,Assistant Professors , Mechanical Department.</p>		
2023-2024	<p>Workshop- “Arduino Craft: Mastering the code” -one day workshop is held in partnership with the EBSAA and BMESI for S4 (EBE) students by Mr.Shinu MM, ,Assistant Professors , EBE Department.</p>	23-02-2024	Self Funded
2023-2024	<p>Workshop- “Unlock LaTex“- one day workshop for beginners is held in partnership with the EBSAA and BMESI for S6 (EBE) students by Dr. Shilpa P.A. and Ms. Tresa Joseph,Assistant Professors , EBE Department.</p>	22-02-2024	Self Funded

2023-2024	<p>Hands -on training Program on “Electronic product Building” was held for S4 students (EBE) in collaboration with EBSAA, headed by Mr. Antu Dominic, an industry expert from TrueTek World</p>	5-Feb-2024 to 7-Feb-2024	Self Funded
2023-2024	<p>Hands -on training Program on 'Embedded Electronics' was held for S6 students (EBE) in collaboration with EBSAA, headed by Mr. Antu Dominic, an industry expert from TrueTek World</p>	1-Feb-2024 to 3-Feb-2024	Self Funded
2023-2024	<p>Academic Advancement Programme On Medical</p>	26-06-2024 to 28-06-2024	Self Funded

	Device Design & Regulatory Practice		
2023-2024	FDP -Outcome-Based Education (OBE) Awareness	15-06-2024	Self Funded
2023-2024	FDP -Best practices in medical device quality and regulatory	30-01-2024	Self Funded
2022-2023	FDP on Application of AI and ML in Manufacturing	19-01-2023 to 21-01-2023	KTU Funded

2022-2023	A 5-day workshop on the modes of actuation used in robotics, ie. Pneumatics, hydraulics, and electrical.	28-11-2022 to 30-11-2022	Self Funded
2021-2022	National Conference on Energy & Resource Optimisation	03-09-2021	Self Funded
2021-2022	One day Virtual FDP on Academic Research Writing	07-05-2022	Self Funded
2021-2022	FDP on Power Electronics for electric vehicles -Control and Challenges (EEE)	6-07-2021 to 10-07-2021	KTU Funded

2021-2022	FDP on AI Enabled IoT Networks	13-09-2021-1 7-09-2021	Self Funded
2021-2022	International conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS '21)	02-09-2021-0 4-09-2021	Self Funded
2021-2022	Data Analysis and modelling softwares in civil engineering	10-08-2021 to 14-08-2021	Self Funded
2021-2022	FDP on Robotics and Control	19-04-2021-2 3-04-2021	Self Funded

2020-2021	Project based OOPS with Python	04-02-2021 to 05-02-2021	Self Funded
2020-2021	LORAWAN Hands on workshop	15-03-2021 to 19-03-2021	Self Funded
2020-2021	Fluid mechanics and systems	03-08-2020 to 07-08-2020	Self Funded
2020-2021	International conference on innovations in Mechanical Sciences	19-2-2021 to 20-2-2021	Self Funded

2020-2021	international conference on Recent Trends in Artificial Intelligence	29-6-2021 to 30-6-2021	Self Funded
2020-2021	International conference on Innovative Technical Advances in Disaster management	15-7-2020 to 16-7-2020	Self Funded
2020-2021	Python programming for beginners with an introduction to machine learning and IoT	10-02-2021 to 12-02-2021	Self Funded
2020-2021	FDP on ROBOTICS & IR 4.0	07-09-2020 to 11-09-2020	Self Funded

2020-2021	Data Analysis and Modelling Software (civil)	10-08-2021 to 14-08-21	Self Funded
2019-2020	ATAL FDP on Block Chain(EEE)	9-12-2019 to 13-12-2019	Self Funded
2019-2020	Real time applications of power electronics-Research scope & challenges(EEE)	27-07-2020 to 31-07-2020	Self Funded
2019-2020	International conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS '20)	28-05-2020 to 30-05-2020	Self Funded

2018-2019	Basic Computer skills and effective internet use	26-06-2018 to 28-06-2018	Self Funded
2018-2019	Microprocessors and Microcontrollers	27-06-2018 29-06-2018	Self Funded
2018-2019	Recent Industry practices in project management and testing	27-05-2019 to 31-05-2019	Self Funded
2018-2019	Innovation and challenges in microgrid(EEE)	14-01-2019 to 18-01-2019	Self Funded

2018-2019	Industrial safety security and health	03-01-2019 to 5-01-2019	Self Funded
2018-2019	National Conference on Emerging Research Trends in Electrical Engineering ERTE2019(EEE)	03-05-2019	Self Funded
2018-2019	Hands-on training on AVR-ATMEGA32	30-07-2018 to 31-07-2018	Self Funded
2018-2019	National conference on Emerging trends in Mechanical Engineering	12-04-2019	Self Funded

2018-2019	System designing using microcontrollers for IoT and Robotics	25-06-2019 to 27-06-2019	Self Funded
2018-2019	Two day FDP on Business Analytics	13-06-2018 to 14-06-2018	Self Funded
2018-2019	FDP on Industry 4.0- Technological Advances and Implications	17-06-2019-2 1-06-2019	Self Funded
2018-2019	Workshop on IoT, cloud computing and big data analytics	23-07-2018 to 26-07-2018	Self Funded

2018-2019	Workshop on Innovations & challenges	14-01-2019 to 18-01-2019	Self Funded
2018-2019	Workshop on Academic Plagiarism ,Predatory Journals & Reference Management software	28-07-2018 to 29-07-2018	Self Funded
2018-2019	FDP on Artificial Intelligence and Machine Learning	15-12-2018-1 9-12-2018	Self Funded
2017-2018	FDP on Emerging Trends in Nanoscience and Nanotechnology(EEE)	17-04-2018 - 21-04-2018	Self Funded

2017-2018	National Conference on Emerging Research Trends in Electrical Engineering ERTE2018 (EEE)	24-03-2018	Self Funded
2017-2018	National Conference-Recent Trends in VLSI, Communication and networks	04-05-2018-0 5-05-2018	Self Funded
2017-2018	Fuzzy Logic and Genetic Algorithm	27-07-2017 to 28-07-2017	Self Funded
2017-2018	FDP on Geomatics	11-07-2017 to 14-07-2017	Self Funded

2017-2018	National conference on Recent Trends in Computing and Communication	26-2-2018 to 27-2-2018	Self Funded
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Funded Projects

Project Name	Principal Investigator	Duration	Status	Funding Agency	Grant Sanctioned
<p>Development of digital networking for preventive and predictive environmental and climatic warning solutions -</p> <p>Building an Entrepreneurial ecosystem for addressing Environmental Issues</p>	<p>Dr. Ajay Kumar, Mr. Albins Paul</p>	3 Year	On Going	<p>Ministry of Electronics and Information Technology (MeitY), Govt. Of India</p>	151.68 Lakhs

Implementation of 2-way interactive digital notice board	Dr. Ajay Kumar	1 Year	On Going	APJ AKTU-CERD (Student Project Scheme)	18250
IoT Based smart environmental and controlling system	Dr. Ajay Kumar	3 Year	On Going	APJ AKTU-CERD (Research Seed Money Scheme)	50000
Development of a contactless fog computing based system for covid'19 detection and continuous cardiac health	Dr. Bipin P R	3 Year	On Going	APJ AKTU-CERD (Research Seed Money Scheme)	55000

monitoring using deep learning					
Desulphating Battery Charger	Dr. P. Jenopaul	6 Months	Complete d	IIT Dharwad, and SELCO Foundation	15000
Improved Design Of Conventional IC Engine Based Vehicle Into Hybrid Fuel Vehicle For Fuel Economy	Dr. P. Jenopaul	6 Months	Complete d	Kerala State Council for Science, Technology and Environment (KSCSTE)	9500
Multi Sensored Based Regeneration System System	Dr. P. Jenopaul	6 Months	Complete d	KTU	15000

For Electric Vehicle					
Kochi overhead rail water transport system	Dr. P. Jenopaul, Gomathy S	1 Year	Completed	Green Bay startup	60000
Detection of DoS attack towards WiFi and IoT networks	Prof. Manesh T	1 Year	On Going	KTU	17350
Counterfeit drug detection using block chain and machine learning	Prof. Prabhu M and Prof Sobha T	1 Year	On Going	KTU	13000

Emergency assistance for paralyzed using eye blink detection	Prof. Simi M S and Prof Gipsy Paul	1 Year	On Going	KTU	13325
Technology for conversion of rice husk ash to value added products	Dr. Manu S Nadesan, Ms. Jyothilekshmi R, Dr. Aneesh P C	2 Year	On Going	Kalady Rice Millers Consortium (KRMC)	100000
Development of retaining structures using GSB	Dr. Manu S Nadesan, Dr. Dhanasekar K, Dr. Aneesh P C	2 Year	On Going	Quality Metals	500000

Estimation of congestion cost evaluation and solution	Ms. Dona Joy, Dr. A N Swaminathan	1 Year	On Going	CERD	12153
Development of landslide prediction system	Ms. Harshananda T N, Ms. Clydin P A	1 Year	On Going	CERD	19150
Development of Digital networking for preventive and Predictive environmental and climatic warning solutions -Building an Entrepreneurial ecosystem for addressing	Dr. Ajay Kumar, Dr. Manesh T, Mr. P V Rajaraman, Mr. Albins Paul	3 Year	On Going	MeitY	2.99 crores

Environmental Issues					
Multi sensored based regeneration system system for electric vehicle	Dr. P Jeno Paul	1 Year	On Going	Cerd-ktu	15000
LA ARC Project:23-HTB-15 0 :Humanitarian activates -IEEE ASIET SB Renovation of Library	Ms Anju Mary Joseph, Mr Sam K Saju	1 Year	Complete d	IEEE	\$3216 (2,66349)

Implementation of 2-way interactive digital notice board	Dr. Ajay Kumar	1 Year	Completed	APJ AKTU-CERD (Student Project Scheme)	18,250
Innovation & Entrepreneurship Activity Fund	Prof. Ajay Basil Varghese	1 Year	Completed	Kerala Startup Mission	2 Lakhs
Custom Measurement monitoring system for BIAS cutter splicing table at Apollo tyres	Prof. Ajay Basil Varghese	1 Year	Completed	Apollo Tyres Ltd	0.81 Lakhs

Baltem Gyrate	Prof. Anuroop K B	1 Year	Complete d	Kerala Startup Mission	1 Lakhs
Implementation of an autonomous wireless body Area network for IoT enabled health care applications using wearable sensor node with solar energy harvesting	Dr Rgesh G K	1 Year	Complete d	APJ KTU CERD	1.1445 Lakhs
Multiple eye disease detection using Deep convolutional neural network	Prof. Neema M	1 Year	Complete d	CERD	0.239 Lakhs

HAUY -A Braille assist	Prof. Albins Paul	1 Year	Completed	CERD	0.265 Lakhs
Infinity Printer	Dr. N Hariharan	1 Year	Completed	Institution of engineers India	0.15 Lakhs
Real time waste segregation	Prof. Arya Paul	1 Year	Completed	Institution of engineers India	0.1 Lakhs
Customer Satisfaction Survey	Dr Elizabeth	1 Year	Completed	Vijaya Bank	0.1 Lakhs

Innovation & Entrepreneurship Activity Fund	Prof. Ajay Basil Varghese	1 Year	Completed	Kerala Startup Mission	1 Lakhs
Smart Cooking Stove Patent Documentation Service	Prof. Ajay Basil Varghese	1 Year	Completed	Machbee	0.06 Lakhs
Charity monk web app development	Prof. Ajay Basil Varghese	1 Year	Completed	PenserLabs	0.1 Lakhs
Consultancy service for R&D of fully automatic STP Controller	Prof. Ajay Basil Varghese	1 Year	Completed	ICube design studio	0.54 Lakhs

Consultancy service for R&D of live Temperature monitoring system & its cloud services	Prof. Ajay Basil Varghese	1 Year	Completed	RIOD Logic	0.24 Lakhs
Consultancy service for R&D of fully automatic AMF Panel for generation(Control board)	Prof. Ajay Basil Varghese	1 Year	Completed	ICube design studio	0.36 Lakhs
Consultancy service for R&D of mini lift machine	Prof. Ajay Basil Varghese	1 Year	Completed	ICube design studio	0.18 Lakhs

Consultancy service for development of news vision notification service	Prof. Ajay Basil Varghese	1 Year	Complete d	Penserlabs	0.1 Lakhs
Consultancy service for development of smart cooking stove	Prof. Ajay Basil Varghese	1 Year	Complete d	Macbee	0.1 Lakhs
Consultancy service for R&D of fully automatic paper bag cutting machine using PIC microcontroller	Prof. Ajay Basil Varghese	1 Year	Complete d	ICube design studio	0.9 Lakhs

Zero discharge sea water to drinking	Dr P Jeno Paul	1 Year	Completed	Malayala Manorama	0.15 Lakhs
Isolation enhancement in multi antenna systems used for 5G systems using met materials	Prof. Sreerag M	1 Year	Completed	CERD	1.92 Lakhs
Implementation of a deep learning based waste segregation system using computer vision & robotics	Prof. Anuroop K B	1 Year	Completed	CERD	1.845 Lakhs

Development of smart portable IoT device for better diagnosis & control of Asthma & COPD	Prof. Arya Paul	1 Year	Completed	CERD	1.68 Lakhs
Idea Grant(PYXIS)	Prof. Anuroop K B	1 Year	Completed	Kerala startup mission	0.75 Lakhs
IoT based smart inhaler	Prof. Arya Paul	1 Year	Completed	Institution of engineers(India)	0.3 Lakhs

IoT based plant monitoring system	Prof. Ajay Basil Varghese	1 Year	Completed	Institution of engineers(India)	0.15 Lakhs
Doily	Prof. Divya V Chandran	1 Year	Completed	CERD	0.26 Lakhs
National Technology day Celebrations	Prof. Arya Paul	1 Year	Completed	Institution of engineers(India)	0.3 Lakhs
Needleless Drug Injector	Dr. Kiran Joy	1 Year	Completed	CERD	1.31 Lakhs

Innovation & Entrepreneurship Activity Fund	Prof. Ajay Basil Varghese	1 Year	Completed	Kerala Startup Mission	2 Lakhs
Idea grant	Prof. Ranjesh	1 Year	Completed	Kerala Startup Mission	0.75 Lakhs
Development of retaining structures using GSB	Dr Manu	1 Year	Completed	Quality metals	5 Lakhs
Consultancy service for development of church bells App	Prof. Ajay Basil Varghese	1 Year	Completed	Edith industries	0.085 Lakhs

Production work for mechanical ventilator to overcome covid19 crisis	Prof. Ajay Basil Varghese	1 Year	Complete d	PGIM INDIA mutual funds	1.5 Lakhs
Consultancy service for development of Biofloc fish farm controller	Prof. Ajay Basil Varghese	1 Year	Complete d	RIOD logic PvtLtd	0.15 Lakhs
Development of virtual event management platform	Prof. Ajay Basil Varghese	1 Year	Complete d	Kerala Startup Mission	1.5 Lakhs

Digitization of farm management system	Prof. Anuroop K B	1 Year	Completed	Agrofarm	1 Lakhs
Innovation & Entrepreneurship					
Activity	Prof. Ajay Basil Varghese	1 Year	Completed	Kerala Startup Mission	2 Lakhs
Fund-Cardiac Monitoring System Using Deep Learning					
Idea grant(OZ Generator)	Prof. Anuroop K B	1 Year	Completed	Kerala Startup Mission	0.72 Lakhs

Idea grant(ayurvega)	Prof. Anuroop K B	1 Year	Complete d	Kerala Startup Mission	1 Lakhs
Business incubation center funding	Prof. Ajay Basil Varghese	1 Year	Complete d	KSIDC-TBI Fund	5 Lakhs
D-Glass AI based care giver for Dementia Patients	Prof. Gokilavani M	1 Year	Complete d	DST Nidhi Prayas	3 Lakhs
Wrist wearable quarantine tracker using geofencing	Prof. Divya G	1 Year	Complete d	CERD	0.1 Lakhs

2 in 1 system for baby diaper & sanitary napkin disposal	Prof. Deepika M P	1 Year	Completed	CERD	0.95 Lakhs
Improved design of conventional IC engine based vehicle into Hybrid fuel vehicle for fuel economy	Dr Jeno Paul	1 Year	Completed	KSCSTE	0.095 Lakhs
Med Mate	Er. Aswathy N	1 Year	Completed	CERD	0.12 Lakhs
Development of remote cardiac health monitoring system for	Dr. Bipin P R	1 Year	Completed	KSCSTE	0.1 Lakhs

covid19 patients using deep learning					
Developing smart intelligent real time system for growth assessment & waste water treatment for a fish farm	Prof. Divya V Chandran	1 Year	Completed	KSCSTE	0.099 Lakhs
IoT based smart environmental monitoring & controlling system	Dr. Ajay Kumar	1 Year	Completed	CERD	0.5 Lakhs

Development of contactless Fog computing system for covid19 detection & continuous cardiac monitoring system using deep learning	Dr. Bipin PR	1 Year	Completed	CERD	0.55 Lakhs
Development of remote cardiac monitoring system using deep learning for covid19	Dr. Bipin PR	1 Year	Completed	CERD	0.165 Lakhs
Smart Medicine box	Dr. Ajay Kumar	1 Year	Completed	KSCSTE	0.1 Lakhs

Design & Development of IoT based wearable devices for elderly care	Dr. Ragesh G K	1 Year	Completed	KSCSTE	0.1 Lakhs
Flame off	Anuroop K B	1 Year	Completed	KSCSTE	0.1 Lakhs
Fabrication & characterization studies of polypropylene/Ethylene vinyl acetate copolymer/turmeric spent blend composite for packaging applications	Srinivasan SN	1 Year	Completed	KSCSTE	0.1 Lakhs

Characterization of heat assisted dissimilar material FSW	Sandeep O S	1 Year	Completed	KSCSTE	0.1 Lakhs
Fabrication of heat assisted FSW setup for welding different materials	Arun P Das	1 Year	Completed	KSCSTE	0.1 Lakhs
Rice husk Ash Project	Dr. Manu	1 Year	Completed	KRM consortium	1 Lakhs
Development of virtual event management platform	Prof. Ajay Basil Varghese	1 Year	Completed	Kerala Startup Mission	1.5 Lakhs

Consultancy

[Home](#)
[Consultancy](#)

Sl No	Principal Investigator	Project Title	Client	Revenue Generated(Rs)	Month-Year
1	Arun P Das, Vishnu S	Cube design	Icube Design Studio	379600	2022-20 23
2	Dr. Anitha Thomas and Dr.Nimmi M	Cluster Development-Kalady Rice Mill	Government of Kerala	90000	2022-20 23

3	Aneesh P C, Dona, Jeeva	Bitumen Extraction Test	Government of Kerala	5520	2022-20 23
4	Aneesh P C, Subnum Suhura	Mission Amrit Sarovar - Jal Dharohar Sanraksh an	Government of Kerala	200000	2022-20 23
5	Aneesh P C, Dona, Jeeva	Bitumen Extraction Test	Government of Kerala	2760	2022-20 23
6	Aneesh P C, Dona, Jeeva	Performance Evaluation of Kochi Water Metro	Government of Kerala	26500	2022-20 23

7	Aneesh P C, Dr. A N Swaminathan	Test conducted to access the compressive strength	Government of Kerala	7000	2022-20 23
8	Aneesh P C, Dr. A N Swaminathan	Test conducted to access the compressive strength	Government of Kerala	13000	2022-20 23
9	Aneesh P C, Dr. A N Swaminathan	Test conducted to access the compressive strength	Government of Kerala	800	2022-20 23

10	Aneesh P C, Dr. A N Swaminathan	Test conducted to access the compressive strength	Government of Kerala	6300	2022-20 23
11	Aneesh P C, Dr. A N Swaminathan	Test conducted to access the compressive strength	Government of Kerala	5850	2022-20 23
12	Aneesh P C, Dr. A N Swaminathan	Test conducted to access the compressive strength of concrete cubes	Government of Kerala	4500	2022-20 23

13	Aneesh P C, Dr. A N Swaminathan	Test conducted to access the compressive strength	Government of Kerala	3150	2022-20 23
14	Aneesh P C, Dr. A N Swaminathan	Testing of Interlock concrete block Kalady	Government of Kerala	400	2022-20 23
15	Aneesh P C, Dr. A N Swaminathan	Test conducted to access the compressive strength	Government of Kerala	400	2022-20 23
16	Aneesh P.C., Jeeva, Dona, Rosmin Thoma	Traffic Studies for Sabari Rail Project	Government of Kerala	33750	2022-20 23

17	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI- Pallipuram	Government of Kerala	3870	2022-20 23
18	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI- Koovappady	Government of Kerala	7740	2022-20 23
19	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI- Kuzhuppilly	Government of Kerala	10320	2022-20 23
20	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI- Chengamanad	Government of Kerala	23220	2022-20 23

21	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI- Sreemoolanagaram	Government of Kerala	20640	2022-20 23
22	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI- KANJOOR	Government of Kerala	41280	2022-20 23
23	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI- KUNNUKARA	Government of Kerala	7740	2022-20 23
24	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI- Kalady	Government of Kerala	7740	2022-20 23

25	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI- Keezhmad	Government of Kerala	11610	2022-20 23
26	Aneesh P C, Dr. A N Swaminathan	OPERATION VAHINI-Vazhakulam	Government of Kerala	7740	2022-20 23
27	P C Aneesh, A A Abishek Kumar, Dr. K Dhanasekar	Consultancy service for de-silting of channels	Government of Kerala	141900	2022-20 23
28	Arun P Das, Vishnu S	Cube design	Icube Design Studio	315325	2020-20 21

29	Arun P Das, Vishnu S	Cube design	Icube Design Studio	311600	2020-20 21
30	Ajay Basil, Sreeresmi T S,Jain Stoble B	Development of Biofloc Fish farm Controller	RIOD	15000	2020-20 21
31	Ajay Basil Varghese, Gokilavani, Teena George, Asha Rose Thomas	Consultancy service for the development of Church Bells App	Edith Industries	8500	2020-20 21

32	Dr.Manu S Nateshan, Aneesh.P.C, Dr.k.Dhanasek ar, Jeeva P Winto, Clydin P.A	Materials testing for Rebuild kerala work Initiation	Government of Kerala	14565	2020-20 21
33	Ajay Basil Varghese, R Rajaram, Deepika M. P.	Research and development work of fully automatic STP controller	Icube Design Studio	54000	2019-20 20
34	Ajay Basil Varghese, Dr Vince Paul, Simi M. S.	Research and development of a live temperature monitoring system and its cloud services	RIOD	24000	2019-20 20

35	Ajay Basil Varghese, Dr Vince Paul, Prof. Gokilavani M	Research and development of fully automatic AMF panel for generator	Icube Design Studio	36000	2019-20 20	
36	Ajay Basil Varghese, Sumesh M. S	Research and development of Mini Lift Machine	Icube Design Studio	18000	2019-20 20	
37	Ajay Basil Varghese, Neetha K. Nataraj, Raghi R. Menon	Development of news vision notification service	PenserLabs	10000	2019-20 20	

38	Ajay Basil Varghese, R Rajaram, Deepika	Development of smart cooking stove	Zauba Corp	10000	2019-20 20
39	Ajay Basil Varghese, Dr Vince Paul, Divya K. S	Research and development service for automatic paper bag cutting machine using PIC microcontroller	Icube Design Studio	90000	2019-20 20
40	Abin Joy, Aneesh.P.C, Manu Natesh	Consultancy service for Rebuild kerala	Government of Kerala	Free Service	2019-20 20

Industry Supported Labs

HiTech Lab

At HiTech Lab, the TV Audio System Speaker is meticulously designed with state-of-the-art components to deliver unparalleled audio-visual performance. The system features the CISCO CTS-SX60-IPST60-K9 5YR for robust infrastructure, paired with the VCPA-CISCO CTS-MIC CLING-G2 and CISCO CAB-ETHRSI.D-10M 10MM MIC for superior audio capture and connectivity. The visual experience is enhanced by the LED M LG B6TRSE 66" UHD 16:9 display, offering stunning clarity. For sound, the Spkr SONODYNE PM 101WM ensures crisp, powerful audio, while the VCPA SONODYNE PM 101WB WMK provides seamless wall mounting. Connectivity is optimized with Kramer cables, including the C-MHM/MHM-3 1M HDMI Pch, C-MHM/MHM-35 10.7M, and C-MHM/MHM-25 7.6M HDMI, alongside the AUDPA Kramer WP-H1M WALL PLATE and KRAMER BC-1T AUDIO(STERIO). All components are securely housed in the NWRCK VALRACK 550W*450D 4U, with network reliability supported by the D-LINK NCB-06SGRYR CAT6 Blk Cbl. This advanced setup ensures that HiTech Lab's TV Audio System Speaker is a top-tier solution for any professional environment.

Cyber Forensics Research Lab

Cyber forensics is a process of extracting data as proof for a crime (that involves electronic devices) while following proper investigation rules to nab the culprit by presenting the evidence to the court. Cyber forensics is also known as computer forensics in today's technology driven generation, the importance of cyber forensics is immense. Technology combined with forensic forensics paves the way for quicker investigations and accurate results. Cyber forensics is a field that

follows certain procedures to find the evidence to reach conclusions after proper investigation of mattersAs long as there is cybercrime, there will be a demand for cyber forensic analysts.

Programming and Simulation Lab

Programming and Simulation Lab is an Industry Supported Lab with KKM Soft which will provide training on four important software's (AutoCAD, AutoCAD Electrical, Revit MeP and IOT) for placement assistance. This lab includes Computers with softwares AUTOCAD, MATLAB, pSpice, KEIL & PROTEUS, Power Backup Facility, Internet Facility, Printer Facility, and a server.

BEACON Industry Supported Lab

Adi Shankara Institute of Engineering and Technology has signed an MOU with Beacon Energy Storage Systems Pvt Ltd. Both parties jointly agree to work towards this goal, in line with the spirit of this Memorandum of Understanding (MOU). Mou focused to follow advancement of knowledge and employability of the students in the core embedded system domain. Also to provide exposure and industrial experience for the faculty on state of the art technology and best practices in the domain. Beacon Energy Storage Systems Pvt Ltd. Jointly design a curriculum which is in line with current industry expectations. Also provide internship for the students in B-VOC Renewable energy, B-Tech Electrical and Electronics and Electronics and Communication courses. Beacon have also Set up a R&D facility at the Shankara campus to facilitate training to students and help Beacon to reverse engineer and improve upon the current line of products that will be introduced to the market.

BMW Skill Next

BMW “Skill Next” in India offers a unique opportunity to gain hands-on knowledge and training in the most advanced BMW engine and transmission technologies for Mechanical engineering students. The leading automobile manufacturer is aware of the gap between the needs of universities and industry and has developed a course for this program in which prospective engineers and young people have a special opportunity to complete practical training in addition to theoretical knowledge. The module was developed by professional trainers from BMW Group India Training Center and BMW Group Plant Chennai. The workshop is a combination of classroom and hands-on sessions that will help you gain technical insight into important practical information.

Specification:-Twin-Power Turbo, In-line 4-cylinder diesel engine, and the eight-speed, Steptronic, automatic transmission

MOUs & Collaborations

[Home](#)
[MOUs & Collaborations](#)

Name of the MoU/linkage	Name of the institution/industry with whom the MoU/linkage is made with	Year of signing MoU / linkage	Purpose of the MoU/Linkage	Duration of MoU / linkage
Memorandum of Understanding between RIOD LOGIC PVT LTD and Adi Shankara Institute of Engineering	Riod Logic Pvt Ltd, U74999KL2018PTC052767, Kalleli Towers, Nedumbassery, Kerala, 683572	3/6/2023	Internship, on-the job-training	5 Years

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Technology				
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Understand				
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between	NeST Institute of Fiber			
NEST	Optic Technology Pvt			
GROUP	Limited, Plot 2, Cochin			
and Adi	Special Economic Zone,			
Shankara	Kakkanad, Kochi-682307			
Institute of				
Engineerin				
g and				
Technology				

Memorandum of Understanding between TILT TEDU Pvt Ltd. and Adi Shankara Institute of Engineering and Technology	TILT TEDU Pvt Ltd., Room No 2, KP 6/238 B D, Thiruvathira, Kazhakootam, Thiruvananthapuram, 695582	1/3/2023	Internship, on-the job-training	3 Years
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Memorandum of Understanding between Web & Crafts and Adi Shankara Institute of Engineering and Technology	Web and Crafts, Infopark, Koratty, 680308	1/12/2022	Internship, on-the job-training	Open Type
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Memorandum of Understanding between Nitta Gelatin India Ltd and Adi Shankara Institute of Engineering and Technology	Nitta Gelatin India Ltd, SBT Avenue, Panampilly Nagar, Kochi 682036	10/28/2022	Internship, on-the job-training	Open Type
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Memorandum of Understanding between Dimension, Pune and Adi Shankara Institute of Engineering and Technology	Dimension, 2nd Floor, Ravi Anand Building, Near Marathi School, Sitai Nagar, Dhayari, Pune 411041	9/19/2022	Internship, on-the job-training	1 Year
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<p>Memorandum</p> <p>of</p> <p>Understand</p> <p>ing</p> <p>between</p> <p>Malaysian</p> <p>University</p> <p>of Science</p> <p>and</p> <p>Technology</p> <p>and Adi</p> <p>Shankara</p> <p>Institute of</p> <p>Engineering</p> <p>and</p> <p>Technology</p>	<p>Malaysia University of</p> <p>Science and Technology,</p> <p>Block B, Encorp Strand,</p> <p>No 12, Jalan PJU 5/1, Kota</p> <p>Damansara, 47810</p> <p>Petaling Jaya, Selangor,</p> <p>Malaysia</p>	<p>1/7/2022</p>	<p>Internship,</p> <p>on-the job-</p> <p>training</p>	<p>5 Years</p>
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Memorandum of Understanding between Sristi Robotics Pvt. Ltd. And Adi Shankara Institute of Engineering and Technology	Sristi Robotics Pvt. Ltd., 3rd Floor, Aarcee Square, SA Road, Kadavanthra, Kochi 20	12/14/2021	Field Trip, Research	1 year
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<p>Linkage Agreement between Infosys and Adi Shankara Institute of Engineering and Technology</p>	<p>Infosys spring board, Electronics city, Bangalore, 560100</p>	<p>6/12/202 1</p>	<p>On-the job- training</p>	<p>Open Type</p>
<p>Memorandum of Understanding between Suyati Technologies Pvt Ltd and Adi Shankara</p>	<p>Suyati Technologies Pvt Ltd, 3rd Floor, Lulu Cyber Tower 1, Infopark SEZ, Kakkanad, Kochi 682 042</p>	<p>9/16/202 1</p>	<p>Internship, on-the job- training</p>	<p>Open Type</p>

Institute of Engineering and Technology				
Memorandum of Understanding between CADD Campus, India Pvt. Ltd and Civil Engineering Department , Adi Shankara Institute of Engineering	CADD Campus, India Pvt. Ltd., Saniya Building, Pump Junction, Aluva 683101	9/6/2021	On-the-job -training, Collaborative Research	3 Years

g and				
Technology				
Memorandum of Understanding between IHQ MoD(N)/DN E and Adi Shankara Institute of Engineering and Technology	Naval Base Signal School, Naval Base,682004	4/20/2021	Research, Guest Lectures	1 Year

<p>Linkage Agreement between Aeronne Dynamics and Adi Shankara Institute of Engineering and Technology</p>	<p>Aeronne Dynamics Private Ltd,1/2,Mohini Road,Dehradun,Uttarakha nd-248001</p>	<p>3/26/202 1</p>	<p>On-the job- training</p>	<p>Open Type</p>

Memorandum of Understanding between Federal Academy for Cyber Education (FACE) and Adi Shankara Institute of Engineering and Technology	FACE , C-DAC, Cochin, 682019	3/22/2021 1	On-the job-training	1 Year
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<p>Memorandum</p> <p>of</p> <p>Understand</p> <p>ing</p> <p>between</p> <p>and</p> <p>Shankara</p> <p>Institute of</p> <p>Engineering</p> <p>and</p> <p>Technology</p>	<p>Beacon Energy Storage Systems Pvt Ltd, Vengoor-Piraroor Road, Piraroor, Kalady</p>	<p>12/3/2022</p> <p>1</p>	<p>On-the job-training</p>	<p>Open Type</p>
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<p>Memorandum of Understanding between Project Management Unit, Rebuilding Kerala Initiative,L SGD and Adi Shankara Institute of Engineering and Technology</p>	<p>Project Management Unit, Rebuilding Kerala Initiative, LSGD, Thiruvananthapuram</p>	<p>1/20/2021</p>	<p>collaborative research</p>	<p>3 Years</p>

Memorandum of Understanding between I CUBE and Adi Shankara Institute of Engineering and Technology	ICUBE,Puliyanam,Eranakulam,683574	7/12/2020	On-the job-training	Open Type
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Memorandum of Understanding between AIC-IIIT Kottayam and Adi Shankara Institute of Engineering and Technology	AIC- Indian Institute of Information Technology, Kottayam Foundation, Building No: 340, Karoor, Valavoor P O, Kottayam, 686635	11/17/2020 20	Research Projects works, Internship, Faculty Exchange	1 Year
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Memorandum of Understanding between Digital Core Pvt Ltd and Adishankara Institute of Engineering and Technology	Digital Core Technologies,Ajiyal complex ,Cochin	11/17/2020	Field Trip,Research	Open Type
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Memorandum of Understanding between International Centre for Free and Open Source Software (ICFOSS) and Adi Shankara Institute of Engineering and Technology	ICFOSS, Swtantra, Sports Hub, Karyavattom	3/26/202	Research, Guest Lectures	1 Year
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Memorandum of Understanding between Hortari Industries and CSE Department, Adi Shankara Institute of Engineering and Technology	Hortari Industries Pvt Ltd , Kalamassery	1/24/2024	On-the job-training	1 Year
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<p>MoU</p> <p>between</p> <p>SIEMENS</p> <p>center of</p> <p>excellence</p> <p>in</p> <p>Manufactur</p> <p>ing, NIT</p> <p>Trichy and</p> <p>Adi</p> <p>Shankara</p> <p>Institute of</p> <p>Engineerin</p> <p>g and</p> <p>Technology</p>	<p>NIT Trichy NH Highway 67,</p> <p>near BHEL</p>	<p>9/12/201</p> <p>9</p>	<p>Research,Gu</p> <p>est Lectures</p>	<p>Open</p> <p>Type</p>

Memorandum of Understanding between ICT Academy and Adishankara Institute of Engineering and Technology	ICT Academy, Thejaswani Building, Technopark Campus, TVM 695581	5/31/2019	Internship, On-the job-training	1 Year
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Memorandum of Understanding between KKM Soft Pvt. Ltd., CHENNAI and Adi Shankara Institute of Engineering and Technology	KKM Soft Pvt. Ltd., No 20, North Phase developed plot, Guindy Industrial Estate, Ekkaduthangal, CHENNAI-6000032	3/21/2019	On-the job-training	Open Type
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Memorandum of Understanding Between ICT Academy (Faculty) and Adishankara Institute of Engineering and Technology	ICT Academy Thejaswani Building, Technopark Campus, TVM 695581	12/21/2018	Research activities, Guest Lectures	1 Year
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Memorandum of Understanding between REDD Engineer and Adishankara Institute of Engineering and Technology	REDD Engineer, Channel partner of DAIKIN Industries, Near Cochindhavan, Kalabhavan Rd., West Side Of North Town Hall, Ernakulam North, North Kaloor, Kaloor, Ernakulam, Kerala 682018	12/19/2018	On-the job-training, Webinar, Internship, Guest Lectures	Open Type
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Memorandum of Understanding between Vi Microsystems Pvt Ltd and Adi Shankara Institute of Engineering and Technology	Vi Microsystems Pvt Ltd No 75, Electronics Estate Perungudi , Chennai - 600 096	11/22/20	18	Internship, on-the job-training	Open Type
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<p>Memorandum</p> <p>of</p> <p>Understanding</p> <p>between</p> <p>Kerala</p> <p>State</p> <p>Electronics</p> <p>Development</p> <p>Cooperative</p> <p>Ltd(KELTRON)</p> <p>Adi Shankara Institute of Engineering and Technology</p>	<p>Kerala State Electronics Development Co operation Ltd,Keltron House,Vellayambalam,Trivandrum-695033</p>	<p>9/23/2018</p>	<p>On-the job-training</p>	<p>Open Type</p>
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Memorandum of Understanding Between Aester India and Adi Shankara Institute of Engineering and Technology	Aester India PVT LTD, 3rd Floor, DD Corner Stone, Kadavanthara, Cochin-20, Kerala	9/17/2018	Internship, on-the job-training	Open Type
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Memorandum of Understanding Between Technovia Info Solutions Pvt Ltd, Kochi and Adishankara Institute of Engineering and Technology	Technovia Info Solutions Pvt Ltd, 10th Floor, Heavenly Plaza, Kakkanad,Kochi 682 021	3/8/2018	Internship, on-the job-training, Research	Open Type
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Memorandum of Understanding Between ICT Academy (Students) and Adishankara Institute of Engineering and Technology	ICT Academy Thejaswani Building, Technopark Campus, TVM 695581	1/8/2018	Internship, on-the job-training	1 Year
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Memorandum of Understanding between Bitsforge Embedded Systems, Thrakans House, Opposite Coir Board, M G Road, Pallimukku, Kochi	7/18/2018	Internship, on-the job-training	Open Type
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Understand				
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between				
Laxmi	Laxmi Infotek ,CCM		Field Trip,	
Infotek Ltd	Complex, NAAD	7/13/201	Research,	Open
and Adi	Road-68503	8	Guest	Type
shankara			Lectures	
Institute of				
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Technology				

<p>Memorandum of Understanding Between Energy conservation society chalakudi and Adi Shankara Institute of Engineering and Technology</p>	<p>Energy conservation society chalakudi</p>	<p>6/27/2018</p>	<p>Research, Guest Lectures</p>	<p>Open Type</p>

Memorandum of Understanding Between Central Institute of Plastics Engineering & Technology and Adishankara Institute of Engineering and Technology	Centre for Bioplymer Science and Technology-Central Institute of Plastics Engineering & Technology (CBPST-CIPET), Eloor, (CIPET), Udyogamandal P.O, Kochi 683 501	8/2/2018	On-the job-training	Open Type
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Memorandum of Understanding Between ORB energy bangalore pvt Ltd. and Adi shankara Institute of Engineering and Technology	ORB Energy pvt Ltd, Yeshwanthpur, Bengaluru, Karnataka, 560022	1/1/2018	On-the job-training, Utilizing Lab Resources, Field project	5 Years
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Memorandum of Understanding Between Tech-Ed Equipment, Tech-Ed Equipment company and Adishankara Institute of Engineering and Technology	Tech-Ed Equipment, 159-156, 6th Cross Rd, 4 Block, Teachers Colony, Chandra Layout, Bengaluru, Karnataka 560056	12/18/2017	Research Activities, Utilizing Lab Resources	Open Type
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Memorandum of Understanding Between IGA Tech Industrial Electronics Pvt Ltd and Adi Shankara Institute of Engineering and Technology	IGA Tech Industrial Electronics Pvt Ltd,Morarji Road, Vazhakkala, Kakkanad West P O, Cochin 682 030	11/29/2017	Research, On-the job-training	Open Type
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Memorandum of Understanding Between Anavadya Conductors and Adishankara Institute of Engineering and Technology	Anavadya Conductors, Ooramana 686 663	10/19/2017	Research activities	Open Type
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Memorandum of Understanding Between Prolific Systems & Technologies Pvt Ltd and Adishankara Institute of Engineering and Technology	Prolific Systems & Technologies Pvt Ltd, 5th Floor, Rasheed Towers, Karimpatta Cross Road, Pallimukku, Kochi-682 016	9/20/2017	Internship, on-the job-training	3 Years
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Memorandum of Understanding Between Inter CAD systems Pvt Ltd, Kerala and Adi Shankara Institute of Engineering and Technology	Inter CAD systems PVT ltd, 2nd floor, Balakrishna Pillai Building, Opp. St. Ignatious Knanaya Church, TVM	9/3/2017	Internship, on-the job-training, Research activities	Open Type
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Memorandum of Understanding Between Infosys Campus Connect and Adishankara Institute of Engineering and Technology	INFOSYS Ltd, Electronics City Complex, Housur Road, Bangalore-560 100	2/24/2011	Research Activities, on-the job-training	5 Years
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Memorandum of Understanding Between Yokogawa India Limited and Adi Shankara Institute of Engineering and Technology	Yokogawa India Limited, Plot No 96, 3rd Cross , Electronics City Complex, Houur Road,Banglore-560 100	12/1/201 5	On-the- job -training	5 years
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Publications

Home
Publications

Title	Author	Name of Journal or Conference	Year of Publication
4-bit Ripple Carry Adder Implementation Using Full Adder By Qca Technology	Anju George	Gis science journal	2024-2025
Evaluation of synthesis of Tio2 nanoparticles via solgel	Swaminathen et al	Materials Today: Proceedings	2024-2025

method using acetone			
EEG-Based Metastability in mild cognitive impairment Alzheimer's Disease	Das S, Puthankattil SD.	BRAIN CONNECTIVITY	2024-2 025
Approximate Multiplier Design with LFSR-Based Stochastic Sequence Generators for Edge AI	Mrinmay Sasmal, Tresa Joseph, Bindya T. S.	IEEE COMPUTER ARCHITECTURE LETTERS	2024-2 025

<p>Real-time Blood Pressure Prediction on Wearable Devices using Edge Based Deep Neural Networks: A Hardware-software Co-design Approach</p>	<p>Tresa Joseph</p>	<p>ACM Transactions on Design Automation of Electronic Systems</p>	<p>2024-2 025</p>
<p>An Analysis for Forensic Investigation in Firefox OS</p>	<p>Dr. Sanaj M S</p>	<p>BSSS Journal of Computer</p>	<p>2024-2 025</p>
<p>Hot Corrosion studies on HVoF Coated alloy a-286 in</p>	<p>S.M. Muthu, M. Arivarasu, K. Jithesh, M. vignesh, V.</p>	<p>Archives of Metallurgy and Materials</p>	<p>2024-2 025</p>

Molten salt environment	Dhinakaran, P. Suresh Kumar		
Effect of die parameters and coefficient of friction on equivalent plastic strain during ECAE: modeling and optimization	Gajanan M. Naik, Priyaranjan Sharma, Ramesh S., Mukesh Tak, Priyaranjan Samal, Nidhin Raj A. & Gajanan Anne	COGENT ENGINEERING	2024-2 025
Neural Orchard: Unleashing AI for Fruitful Harvests	Gayathri Dili	Quaderns	2024-2 025

<p>Transforming Lung Cancer Treatment: A Comprehensive Review of AI applications from Lesion Identification to Prognostic Modelling</p>	<p>Gayathri Dili</p>	<p>IJIRCCE</p>	<p>2024-2 025</p>
<p>Cab Service Coordination and Oversight Portal (CSCOP)</p>	<p>Gayathri Dili</p>	<p>GRADIVA REVIEW</p>	<p>2024-2 025</p>
<p>Automating Tomorrow: The Convergence of AI and Robotics</p>	<p>Gayathri Dili</p>	<p>Intelligent Systems and Applications in Engineering (IJISAE)</p>	<p>2024-2 025</p>

<p>Experimental approach and feasibility analysis for the utilisation of dredged marine sand as an alternative for river sand</p>	<p>Dr K Dhanasekar</p>	<p>Journal of Environmental Protection and Ecology</p>	<p>2024-2 025</p>
<p>Electrospun nanofibers based on plant extract bioactive materials as functional additivespossible sources and prospective applications</p>	<p>Md Nur Uddin, Ayub Ali, Md Jobaer, Sajjatul Islam Mahedi, Anand Krishnamoorthy and M. A. Rahman Bhuiyan</p>	<p>Materials Advances</p>	<p>2024-2 025</p>

Revisiting the Subaltern Ethos and Class Conflicts in VA Srikumars "Odiyan"	Gouripriya Ramachandran	IJCRT	2024-2 025
Optimized SIW 5G Array Antennas for Mobile Communication Systems	Jaison T Poulose Rahul Krishnan	Journal of RF and Microwave Communication Technologies	2024-2 025
Aveugle Aider Echolocation Based System For Blinds	Neetha K, Abirami K , Amrutha P P, Andria Raju and Atulya G Nair	Journal of Engineering and Technology for Industrial Applications	2024-2 025

<p>Utilizing deep learning via computer vision for agricultural production quality control: jackfruit growth stage identification</p>	<p>Mr.sreedeep Krishnan, Mr Ranjeesh R Chandran</p>	<p>Engineering Research Express, Vol 6, Issue 3, 2024</p>	<p>2024-2 025</p>
<p>Revolutionizing agriculture: a comprehensive review of agribots, machine learning, and deep learning in meeting global food demands,</p>	<p>Mr.sreedeep Krishnan, Mr Ranjeesh R Chandran</p>	<p>Engineering Research Express, Vol 6, Issue 3, 2024</p>	<p>2024-2 025</p>

<p>Novel comparative approach for estimating maximum penetration level of grid connected Solar photovoltaic system in distribution network</p>	<p>Sreena Sreekumar, Savier.J.S</p>	<p>Journal of Electrical Engineering & Technology</p>	<p>2023-2 024</p>
<p>Rapid prototyping of predictive direct current control in a low-cost FPGA using HDL coder</p>	<p>Deepa Sankar, S. Lakshmi,</p>	<p>International Journal of Power and Energy Systems</p>	<p>2023-2 024</p>

Treatment of wastewater using garlic extract as natural coagulant and coconut shell as medium	Dr. Dhanasekar K	European Chemical Bulletin	2023-2 024
Experimental Research using Treated Greywater for Artificial Recharging	Dr. Dhanasekar K	Journal of Engineering Analysis and Design	2023-2 024
Evaluation on mechanical properties and abrasion resistance of Precast Paver	Dr. Dhanasekar K	European Chemical Bulletin	2023-2 024

blocks using Copper slag			
Study on the Performance of High Strength concrete using Basalt Fiber with Metakaolin	Dr. A N Swaminathan	European Chemical Bulletin	2023-2 024
Use of plastic for Sustainable concrete	Dr. A N Swaminathan	Journal of Engineering Analysis and Design	2023-2 024
Comparative Analysis and Design of a Multistorey auditorium with normal slab	Jyothilekshmi R	International Journal of Novel Research and Development	2023-2 024

and waffle slab using ETABS			
Design of railway blanketing material	Abishek Kumar A A	International Journal of Research and Analytical Reviews	2023-2 024
Soil slope stability analysis using GEOSTUDIO	Harshananda T N	International Journal of Research and Analytical Reviews	2023-2 024
Automated biomedical image classification using multi-scale dense dilated	Bipin P.R	Multimedia Tools and Applications Journal, Springer (SCIE)	2023-2 024

semi-supervise d u-net with cnn architecture			
Development and Mechanical Characterizatio n of Ni-Cr Alloy Foam Using Ultrasonic-Assi sted Electroplating Coating Technique	Raj Kumar Pittala, Priyaranjan Sharma, Gajanan Anne, Sachinkumar Patil, Vinay Varghese, Sudhansu Ranjan Das, Ch Sateesh Kumar, Filipe Fernandes	MDPI Coatings	2023-2 024
Innovations in exploiting photo-controlle d Marangoni flows for soft	Chalikkara Farzeena, Thamarasseril Vijayan Vinay, Bindhu Sunilkumar Lekshmi, Chetteente Meethal Ragisha and Subramanyan	Soft Matter	2023-2 024

matter actuations	Namboodiri Varanakkottu		
Effects of novel material field effect transistor for Heterogeneous Energy and Traffic-Aware Secure Applications	C. Ambika Bhuvaneswari,jenopa ul.p ect	Advances in Materials Science and Engineering	2023-2 024
A Review on Energy Efficient Approaches in IoT Networks	Dr. Ajay kumar	Azerbaijan Technological university Journal	2023-2 024

<p>Internal Model</p> <p>Control of Cumene Process using Analytical Rules and Evolutionary Computation</p>	<p>Dr. Vinila M L, Dr. Sreepriya S</p>	<p>Chemical Industry & Chemical Engineering Quarterly</p>	<p>2023-2 024</p>
<p>Optimised feature selection-drive n convolutional neural network using gray level co-occurrence matrix for detection of cervical cancer</p>	<p>Dr.Sanaj M S</p>	<p>Open Life sciences</p>	<p>2023-2 024</p>

<p>Influence of build direction and heat treatment on the microstructure and tensile characteristics of cold metal transfer based wire arc additive manufactured SS 304L</p>	<p>Sandeep O S, Basil Kuriachen</p>	<p>CIRP Journal of Manufacturing Science and Technology</p>	<p>2023-2 024</p>
<p>Impact of Water Management on Methane Emission Dynamics in Sri Lankan Paddy Ecosystems</p>	<p>Parameswaran T G et al</p>	<p>Water</p>	<p>2023-2 024</p>

Crowd Social Distance Measurement and Mask Detection	Mr. P. V. Rajaraman	Journal of Survey in Fisheries Sciences	2023-2024
Graph Sample and Aggregate Attention Network optimized with Barnacles Mating Algorithm based Sentiment Analysis for Online Product Recommendation	Mr. P. V. Rajaraman	Applied Soft Computing	2023-2024

Reliable cluster based data collection framework for IoT-big data healthcare applications	Mr. P. V. Rajaraman	Journal of Intelligent & Fuzzy Systems	2023-2024
Exploration of Facial Emotion Detection Systems Utilizing Convolutional Neural Networks: A Comprehensive Review	Dr. Amrutha Muralidharan Nair	Computer Science, Engineering and Technology	2023-2024

Auctus:An AR-Based Tool to Support Engineering Education	Savitha K.K	Journal of Northeastern University	2023-2 024
Investment Portfolio Management System	Revathy Presannan	IJRASET	2023-2 024
Campus Connect-Tracking System	Revathy Presannan	IJRASET	2023-2 024

Indoor Hydroponic Farming System Via	Sabitha M G	IJRASET	2023-2 024
AR Indoor Navigation System	Savitha K.K	IJRASET	2023-2 024
Reconfigurable converter topologies for EV charging stations	S. Subiramonyan	IJEER	2023-2 024

A General Solution To Higher Dimensional Relativistic Fluid Sphere Model	Pravitha K Nair	Journal For Basic Sciences	2023-2 024
River Training Studies and Monitoring of Vellar In Tamilnadu	P K Suresh, D.Diwakar, Parameswaran T G	International Conferenceon Advances in Civil and Environmental Engineering	2023-2 024
Structural Health Monitoring of Berthing Structures	Nilanjan Saha R. Sundaravadivelu, P K Suresh,T G Parameswaran	Second International Conferenceon Recent Advancements in Engineering and Technology	2023-2 024

Studies on Estuary of Thamirabarani River,Tamilnad u, India	P K Suresh, R.Sundaravadivelu, K.Dhanasekar, Surendar	MATECWebof Conferences https://doi.org/10.1051/matecconf/202338403001	2023-2 024
An Innovative Approach to Soil Stabilization using Bioengineering	Anna Varghese, Veena S Kumar & Parameswaran T G	National Conference on Advancing Sustainability in Civil Engineering Practices - 2024	2023-2 024
Studies on protection of coastal road along Chennai, India	P K Suresh, R Sundaravadivelu, Nilanjan Saha,V Ponraj, C Prabhakar and D Diwakar	28th International conference on Hydraulics,Water resources, River and Coastal Engineering	2023-2 024

<p>Improved AO based Classification Framework for Eye Diseases</p>	<p>Dr. Binju Saju</p>	<p>2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT)</p>	<p>2023-2 024</p>
<p>OHMBC: Optimized Hybrid deep learning Model for Classification of Breast Cancer</p>	<p>Dr. Binju Saju</p>	<p>2024 Fourth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)</p>	<p>2023-2 024</p>
<p>OHDLL:Optimized Hybrid Deep Learning Model for Classification</p>	<p>Dr. Binju Saju</p>	<p>2023 International Conference on the Confluence of Advancements in Robotics, Vision and Interdisciplinary</p>	<p>2023-2 024</p>

of Leukaemia images		Technology Management (IC-RVITM)	
LeafNet: Classification of Plant Leaf Diseases using IAO based Hybrid DL Framework	Dr. Binju Saju	2024 Fourth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)	2023-2 024
IAOMDR: Improved Aquila Optimized Hybrid deep learning Model forClassificatio n of Diabetic Retinopathy	Dr. Binju Saju	Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE)	2023-2 024

<p>Explainable AI for Medical Imaging: Advancing Transparency and Trust in Diagnostic Decision-Making</p>	<p>Mr. P V Rajaraman</p>	<p>4th International Conference on Innovations in Power and Advanced Computing Technologies. (i-PACT'23)</p>	<p>2023-2024</p>
<p>Automatic Pill Dispenser for Elderly Medical Adherence: A Survey</p>	<p>Divya K S, Gripsy Paul, Neetha K Nataraj</p>	<p>2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)</p>	<p>2023-2024</p>
<p>Machine learning and deep learning architecture for intrusion detection</p>	<p>Nikhil Narayanan, Dr Sanaj M. S</p>	<p>IEEE International Conference on trends in Engineering Systems and</p>	<p>2023-2024</p>

System: A Survey		Technologies(ICTEST) 2024	
Emergency Assistance for Paralyzed Using Eye Blink detection	Sumesh Raman, Simi M S	International Conference on Computing, Communication, Security and Intelligent Systems 2024	2023-2 024
A Low Power, Long Range, Portable Wireless Nurse Call System	Dr. BobbyMathew C,Neethu Suman, Muhammad E V	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2 024
A Hybrid Machine Learning Approach to	Jayesh T P,Arya Paul,PrasanthPMenon	Third International Conference on Advances in Computing, Communication,	2023-2 024

Anomaly Detectionin Industrial IoT	, RanjeeshRChandran, Pandiaraj K	Embedded and Secure Systems (ACCESS)	
Development of an Innovative Optimal Route Selection Model Based on an Improved Multi-Objective Genetic Algorithm (IMOGA) Method in IoT Healthcare	Bobby Mathews C, Jeejo K P	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2024
Experimental study of a novel techniqueofdat	Ajay Kumar, Sakit Verdiyev, Ababil Naghiyeva	Third International Conference on Advances in Computing, Communication,	2023-2024

ahidingwithhigh PSNR		Embedded and Secure Systems (ACCESS)	
Tomato Plant Health Management Using AI	Aswathy N, Jaimy James Poovely, Abhijith Surendran, Samuel Sabu Thomas	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2024
An optimized Faster R-CNN model for Cassava Brown Streak Disease Classification	Aswathy N, Rajasree R, C.Beulah Christalin Latha, Sujni Paul, Appu M	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2024

New All Optical Shift Register using Nonlinear Structure	Ajay Kumar, AjayYadav, Sushanta Mahanty, Rakesh Choudhary, Amit Prakash, Raj Ranjan	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2 024
Tomato Plant Health Management Using AI	Aswathy N, Jaimy James Poovely, Abhijith Surendran, Samuel Sabu Thomas	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2 024
An optimized Faster R-CNN model for Cassava Brown Streak Disease Classification	AswathyN, Rajasree R, C.Beulah Christalin Latha, Sujni Paul, Appu M	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2 024

New All Optical Shift Register using Nonlinear Structure	Ajay Kumar, Ajay Yadav, Sushanta Mahanty, Rakesh Choudhary, Amit Prakash, Raj Ranjan	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2024
Skin Cancer Classification from Skin Lesion Images Using Modified Depthwise Convolution Neural Network	Dr.Bipin P R, Joseph George, Anne Koteswara Rao, Majjari Sudhakar	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2024
Optimizing Broad band Access and Network Design in Wireless Mesh Networks	Neema M, E.S.Gopia, Pulakunta Sandeep Reddy	3rd International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2023), Science Direct,	2023-2024

using Multi-Objective Particle Swarm Optimization		Procedia Computer science. (SCOPUS)	
Enhancing accessibility: object detection and optical character recognition for empowering visually impaired individuals	S. Sheela R. Krishnan R, Srivathsan M, Sudharsan S, Sriram.	International Conference on Computer Vision and Internet of Things 2023	2023-2 024
A Low Power, Long Range, PortableWireles	Dr.BobbyMathewC,N ethu Suman, Muhammad E V	Third International Conference on Advances in Computing, Communication,	2023-2 024

sNurseCall System		Embedded and Secure Systems (ACCESS)	
A Hybrid Machine Learning Approach to Anomaly Detection in Industrial IoT	Jayesh T P,Arya Paul,PrasanthPMenon , RanjeeshRChandran, Pandiaraj K	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2024
Development of an Innovative OptimalRouteSelection Model Based on an Improved Multi-Objective Genetic Algorithm (IMOGA)	Bobby Mathews C, JeejoK P	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2024

Method in IoT Healthcare			
Experimental study of a novel techniqueofdat ahidingwithhig h PSNR	Ajay Kumar, SakitVerdiyev;Ababil Naghiyeva	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2 024
Tomato Plant Health Management Using AI	Aswathy N, Jaimy James Poovely,AbhijithSuren dran, Samuel Sabu Thomas	Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	2023-2 024

<p>An optimized Faster R-CNN model for Cassava Brown Streak Disease Classification</p>	<p>AswathyN,Rajasree R, C.Beulah Christalin Latha, Sujni Paul,Appu M</p>	<p>Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)</p>	<p>2023-2024</p>
<p>New All Optical Shift Register using Non linear Structure</p>	<p>Ajay Kumar, AjayYadav, Sushanta Mahanty, Rakesh Choudhary, Amit Prakash, Raj Ranjan</p>	<p>Third International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)</p>	<p>2023-2024</p>
<p>Design and Implementation of Full Adder using 4 to 1 line Multiplexer Based on Nonlinear</p>	<p>Ajay Kumar, Sushanta Mahanty, Ujjwal Sharma, Shalini Kumari,Sujan Adhikary, Kumari Amrita Pritam</p>	<p>Third International Conference on Advances in Computing, Communication, Embedded and</p>	<p>2023-2024</p>

Switching Micro Ring Resonator Structure		SecureSystems (ACCESS)	
Integrated Intelligent Surveillance System Using Deep Learning	Arya Paul, Sona Paul, Manikandan A. R,Katharin P Jose;Sabarinath M.S	Third International Conference on Advances in Computing, Communication, Embedded and SecureSystems (ACCESS)	2023-2 024
Breast Cancer Image Classification Using Deep Learning Methods	Dr. Bipin P R, Dr. Bobby Mathews C,Clenitta Joseph M	Third International Conference on Advances in Computing, Communication, Embedded and SecureSystems (ACCESS)	2023-2 024

<p>Skin Cancer Classification from Skin Lesion Images Using Modified Depthwise Convolution Neural Network</p>	<p>Dr.Bipin P R, Joseph George, Anne Koteswara Rao, Majjari Sudhakar</p>	<p>Third International Conference on Advances in Computing, Communication, Embedded and SecureSystems (ACCESS)</p>	<p>2023-2 024</p>
<p>Optimizing Broadband Access and Network Design in Wireless Mesh Networks using Multi-Objective Particle Swarm Optimization</p>	<p>Neema M, E.S.Gopia, Pulakunta Sandeep Reddy</p>	<p>3rd International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2023), Science Direct, ProcediaComputer science. (SCOPUS)</p>	<p>2023-2 024</p>

<p>Enhancing accessibility: object detection and optical character recognition for empowering visually impaired individuals</p>	<p>S. Sheela R. Krishnan R, Srivathsan M,SudharsanS, Sriram</p>	<p>International Conference on ComputerVision and Internet of Things 2023</p>	<p>2023-2 024</p>
<p>Sky Farm UAV for Agriculture</p>	<p>Divya V Chandran,P S Indraja,Maneesha Moncy, Hridhya Babu</p>	<p>2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), IEEE(SCOPUS)</p>	<p>2023-2 024</p>

<p>Enhancing accessibility: object detection and operational character recognition for empowering visually impaired individuals</p>	<p>Dr.Rahul Krishnan</p>	<p>International Conference on Computer Vision and Internet of Things 2023 (ICCVIoT'23), IET Digital Library (SCOPUS)</p>	<p>2023-2 024</p>
<p>Intelligent Cyber Physical Systems and Internet of Things</p>	<p>Vismaya,O.K.,Kumar,A jay, Paul, A., Paul, A.</p>	<p>Springer</p>	<p>2023-2 024</p>
<p>Multi Sensor Based Regenerative Charging For</p>	<p>saranjith jenopaul et al</p>	<p>IEEE International conference on Circuit, Power and Computing Technologies</p>	<p>2023-2 024</p>

Electric Vehicles			
Design and Development of an Efficient Electrolyser for Low-Cost Hydrogen Production	harith jenopaul et all	IEEE International conference on Circuit, Power and Computing Technologies	2023-2024
UAV Incorporating Infrasonic Transmitter for Bird Deterrence and Field Surveillance	S Radhika Menon, Hima T, Sreena Sreekumar	IEEE International conference on Power grids, Smart grids, and Renewable Energy PESGRE2023	2023-2024

<p>Spring Back Investigations in Aluminium and Stainless-Steel Sheets</p>	<p>Sudhy S. Panicker, K. Jithesh , P.V. Sivaprasad, Priyaranjan Sharma and Vinay Varghese</p>	<p>International Conference on Innovation and Challenges in Mechanical Engineering (ICICME 2023)</p>	<p>2023-2 024</p>
<p>Optimization of Machining Parameters During End Milling of Stainless Steel 304</p>	<p>Kiran K.S, Arun P. Das, Sandeep O.S, Priyaranjan Sharma, Vinay Varghese</p>	<p>International Conference on Innovation and Challenges in Mechanical Engineering (ICICME 2024)</p>	<p>2023-2 024</p>
<p>Characterization of aluminium matrix composite with glass powder and SiC</p>	<p>Nidhin Raj, Rahul S. Arackal</p>	<p>International Conference on Innovation and Challenges in Mechanical Engineering (ICICME 2024)</p>	<p>2023-2 024</p>

addition using metal mould			
Effects of plate length on noise emissions from wall jets	Rahul S. Arackal, T.J. Sarvothama Jothi	International Conference on Innovation and Challenges in Mechanical Engineering (ICICME 2024)	2023-2024
Robot Vacuum Cleaner using SLAM and ROS	Anju Mary Joseph	2nd IEEE International Conference on Knowledge Engineering and Communication Systems (ICKECS),2024	2023-2024
Hand Gesture Classification using sEMG Signals and	Ranjeesh R Chandran	3rd IEEE International Conference on Intelligent Techniques in Control Optimization and Signal Processing (INCOS 24)	2023-2024

Ensemble Learning		Organized by Kalasalingam Academy of Research and Education	
Trans-Domain Sea-Air Integrated Robot	Philip C Jacob	2023 IEEE International Conference on Recent Advances in System Science and Engineering	2023-2024
Self-Navigating Rover Simulation	Dr Julia T J	Advanced Computing, communication and Electrical Systems 22-23 Feb (KMEA Engineering College, Kochi)	2023-2024

Under water Surveillance Drone	Dr Julia T J	Advanced Computing, communication and Electrical Systems 22-23 Feb (KMEA Engineering College, Kochi)	2023-2024
Crowd Social Distance Measurement and Mask Detection	Mr. P V Rajaraman	Journal of Survey in Fisheries Sciences	2023-2024
Graph Sample and Aggregate Attention Network optimized with Barnacles Mating Algorithm based Sentiment	Mr. P V Rajaraman	Applied Soft Computing	2023-2024

Analysis for Online Product Recommendati on			
Reliable cluster based data collection framework for IoT-big data healthcare applications	Mr. P V Rajaraman	Journal of Intelligent & Fuzzy Systems	2023-2 024
Neural Orchard:Unleas h ing AI for Fruitful Harvests	Gayathri Dili	Quaderns	2023-2 024

<p>Transforming Lung Cancer Treatment: A Comprehensive Review of AI applications from Lesion Identification to Prognostic Modelling</p>	<p>Gayathri Dili</p>	<p>IJIRCCE</p>	<p>2023-2 024</p>
<p>Exploration of Facial Emotion Detection Systems Utilizing Convolutional Neural Networks: A Comprehensive Review</p>	<p>Amrutha Muralidharan Nair</p>	<p>Computer Science, Engineering and Technology</p>	<p>2023-2 024</p>

Investment Portfolio Management System	Revathy Prasannan	IJRASET	2023-2 024
Auctus: An AR-Based Tool to Support Engineering Education	Savitha K K	Journal of Northeastern University	2023-2 024
Campus Connect- Tracking system	Revathy Prasannan	IJRASET	2023-2 024

Indoor Hydroponic Farming System via ThingsSpeak IoT	Sabitha M G	IJRASET	2023-2 024
AR Indore Navigation System	Savitha K K	IJRASET	2023-2 024
Optimised feature selection-drive n convolutional neural network using gray level co-occurrence matrix for	Dr. Sanaj M S	Open Life Sciences	2023-2 024

detection of cervical cancer			
A Signature-Based d Wireless Intrusion Detection System Framework for Multi-Channel Man-in-the-Middle Attacks Against Protected Wi-Fi Networks	Dr. Manesh T	IEEE Access	2023-2 024
Deep Reinforcement Learning (DRL) based data analytics framework for	Joseph George	IEEE Xplore	2023-2 024

Edge based IoT devices latency and resource optimization			
Unveiling the relationship between Employee Engagement and Moonlighting in the IT and ITES Sector :A Comprehensive Study	Neenet Baby Manjaly, Vignesh Karthik S A	World Journal of Management and Economics Journal.	2023
Evaluation on mechanical properties and abrasion resistance of Precast Paver	Dr. Dhanasekar K	European Chemical Bulletin	2022-2023

blocks using Copper slag			
Studies on estuary of Thamirabarani river, Tamil Nadu, India	Dr. Dhanasekar K	International Conference on Sustainable Practices and Innovations in Civil Engineering (SPICE 2023)	2022-2 023
Experimental Research using treated greywater for Artificial Recharging	Dr. Dhanasekar K	International Journal of Research and Analytical Reviews	2022-2 023

<p>Comparative Analysis and Design of a Multistorey auditorium with normal slab and waffle slab using ETABS</p>	<p>Jyothilekshmi R</p>	<p>International Journal of Novel Research and Development</p>	<p>2022-2 023</p>
<p>Design of Railway Blanketing Material</p>	<p>Abishek Kumar A A</p>	<p>International Journal of Research and Analytical Reviews</p>	<p>2022-2 023</p>
<p>Sea water intrusion studies of Cochin coastal line</p>	<p>Harshananda T N</p>	<p>International Conference on Sustainable Practices and Innovations in Civil Engineering (SPICE 2023)</p>	<p>2022-2 023</p>

Soil Slope stability analysis using GEOSTUDIO	Harshananda T N	International Journal of Research and Analytical Reviews	2022-2023
Sea water intrusion studies of Cochin coastal line	Clydin P A	International Conference on Sustainable Practices and Innovations in Civil Engineering (SPICE 2023)	2022-2023
Utilization of water treatment sludge as filler material in Bituminous mix design	ShabnumSuhuraShamsudheen	Fourth International Conference on Structural Engineering and Construction Management	2022-2023

<p>Classification of covid patient image dataset using modified deep convolutional neural network system</p>	<p>P Jeno Paul</p>	<p>Bulletin of Electrical Engineering and Informatics</p>	<p>2022-2 023</p>
<p>Space vector modulation techniques based speed control of induction motor using DTC</p>	<p>S. Rajalakshmy, P Jeno Paul</p>	<p>AIP Conference Proceedings 2519, 050064 (2022); https://doi.org/10.1063/5.0109999</p>	<p>2022-2 023</p>
<p>Performing the classification of pulsation cardiac beats automatically</p>	<p>Gomathy S</p>	<p>International Journal of Reconfigurable and</p>	<p>2022-2 023</p>

<p>by using CNN with various dimensions of kernels</p>		<p>Embedded Systems (IJRES</p>	
<p>Implementation of constant switching frequency hysteresis based current control of solar control of solar PV inverter</p>	<p>Ashna Mohan, Sreena Sreekumar</p>	<p>8th International Conference on Communication and Electronics Systems (ICCES 2023) pp. 40-44</p>	<p>2022-2 023</p>
<p>Auto-encoder and bidirectional long short-term memory based automated arrhythmia</p>	<p>P Jeno Paul, M.Ramkumar</p>	<p>Volume 77, Aug 2022science directBiomedical Signal Processing and Control</p>	<p>2022-2 023</p>

classification for ECG signal			
Quasi Fixed Frequency Current Control of Single Phase Full Bridge Grid Integrated Voltage Source Inverter	Deepa Sankar, Suhara Ekkarakkudy Makkar, Bos Mathew Jos, Mathew Kallarackal	MDPI Energies 15(21), 8112 November 2022	2022-2 023
Novel comparitive approach for estimating maximum penetration level of grid connected Solar photovoltaic system in	Sreena Sreekumar, Savier.J.S	Journal of Electrical Engineering & Technology SpringerLink Springer Nature , Journal of Electrical Engineering & Technology March 2023 https://doi.org/10.1007/s42835-023-01439-6	2022-2 023

distribution network			
Rapid Prototyping of Predictive	Deepa Sankar, S. Lakshmi, C.A. Babu, and K. Mathew	International Journal of Power and Energy SystemsACTA1710-2243 Vol.43, No.10/1-9 2023	2022-2023
Springback Investigations in Aluminium and Stainless Sheets	Dr. Vinay Varghese	International Conference Innovations and Challenges in Mechanical Engineering (ICICME-2023), Paper ID: ICICMEMD117, 15/05/2023	2022-2023
Development and Mechanical Characterization of Ni-Cr Alloy Foam using	Dr. Vinay Varghese	Coatings 2023, MDPI, Published on 28/05/2023	2022-2023

Ultrasonic-Assisted Electroplating Coating Technique			
Innovations in exploiting photo-controlled Marangoni flows for soft matter actuations	Dr. Vinay T V	Soft Matter, Published on 01/06/2023	2022-2 023
Review on applications of geotechnical instrumentation in dams	Dr. Dhanasekar K	International Conference on Emerging Research Trends in Civil Engineering	2021-2 022

Analysis and Design of bridge using a Computational tool	Dr. Dhanasekar K	First International Conference on Emerging Research Trends in Civil Engineering	2021-2022
Enhancement in California bearing ratio values of expansive soil sub-grade using bagasse ash and Geosynthetics	Dr. A.N. Swaminathan	Indian journal of environmental protection	2021-2022
Production of Lightweight Aggregates for Construction Industry from Industrial	Dr. Manu S Nadesan	Advances in Sustainable Materials and Resilient Infrastructure. Springer Transactions in Civil and	2021-2022

Byproducts: A Review		Environmental Engineering. Springer	
Production of Lightweight Aggregates for Construction Industry from Industrial Byproducts: A Review	Abin Joy	Advances in Sustainable Materials and Resilient Infrastructure. Springer Transactions in Civil and Environmental Engineering. Springer	2021-2 022
Gastrointestinal tract diseases classification from wireless endoscopy images using pretrained deep learning model	Anitha P, Jeno Paul	Computational and Mathematical Methods in Medicine	2021-2 022

<p>Diagnosis of Cervical Cancer based on Ensemble Deep Learning Network using Colposcopy Image</p>	<p>Tony George</p>	<p>Bio med research international2314-6141</p>	<p>2021-2 022</p>
<p>Effects of novel material field effect transistor for Heterogeneous Energy and Traffic-Aware Secure Applications</p>	<p>Jeno Paul</p>	<p>Advances in Materials Science and Engineering,1-9 2021hindawi</p>	<p>2021-2 022</p>

Vulnerability analysis of critical infrastructure network	Kizhakkedath A., K. Tai	International Journal of Critical Infrastructure Protection science direct 35 (2021): 100472. 2021	2021-2022
FPGA-Based Cost-Effective and Resource Optimized Solution of Predictive Direct Current Control for Power Converters	Deepa Sankar, Lakshmi Syamala,Babu Chembath Ayyappan, Mathew Kallarackal	EnergiesMDPI 14(22), 7669 2021	2021-2022
"Integrating Nanomaterial and High-Performance Fuzzy-Based	A. V. L. N. Sujith, ¹ R Tony George et al	Journal of nano material hindawi 1687-4129 11 2022	2021-2022

Machine Learning Approach for Green Energy Conversion"			
A Study on customer loyalty in online C2C platform	Vignesh Karthik S.A.	Flusser Studies	2021-2022
A Study on antecedent factors driving customer retention in B2C market place through online platform interactions.	Dr Lekha H, Dr Madhu C.S, Vignesh Karthik, Anjana Rajagopal	Turkish Online Journal of Qualitative Inquiry	2021-2022

A Study on relationship between Self efficacy and academic efficacy in PG Students with reference to Kerala	Dr Lekha H, Dr Madhu C.S, Vignesh Karthik, Anjana Rajagopal	Natural volatile & Essential oils Journal	2021-2022
Content based Image Retrieval Method using Fuzzy Heuristics	Dr. P Jenopaul	Annals of the Romanian Society for Cell Biology	2021-2022
Design and Implementation of Solar Powered Electric Vehicle for	Dr. P Jenopaul	Annals of the Romanian Society for Cell Biology	2021-2022

Multitasking Application in Agriculture			
Non Destructive Testing of Milk adulteration using Ultrasound	Dr. Tony George, Dr. Jeno Paul,Gomathy S	Annals of the Romanian Society for Cell Biology	2021-2022
Digital Design Systems Controlling Using FPGA Realization	Dr. P Jenopaul	Annals of the Romanian Society for Cell Biology	2021-2022

Numerical Analysis of S-Shaped Micro-Strip Patch Antenna Using FDTD	Dr. P Jenopaul	Annals of the Romanian Society for Cell Biology	2021-2022
Design of Micro-strip Patch Antenna for Future 5G WCS	Dr. P Jenopaul	Annals of the Romanian Society for Cell Biology	2021-2022
Novel LMS-Neural Network based DSTATCOM for Improving Power Quality	Anna baby, sreehari.S, Dr.Jenopaul.P	Annals of the Romanian Society for Cell Biology	2021-2022

<p>Li-Fi (Light Fidelity) and Blockchain Based Warplane Secure Communication</p>	<p>Dr. P Jenopaul</p>	<p>Annals of the Romanian Society for Cell Biology</p>	<p>2021-2 022</p>
<p>Classification of Medical Images using Deep and Handcrafted Visual Feature-based Algorithm</p>	<p>Dr. P Jenopaul</p>	<p>Annals of the Romanian Society for Cell Biology</p>	<p>2021-2 022</p>
<p>Classification of Medical Images using Deep and Handcrafted</p>	<p>Dr. P Jenopaul</p>	<p>Annals of the Romanian Society for Cell Biology</p>	<p>2021-2 022</p>

Visual Feature-based Algorithm			
Biochar-Added Cemtentitious Materials- A review on Mechanical, Thermal and Environmental Properties	Sreenivasan S N	MDPI, August 2021, https://doi.org/10.3390/su13169336	2021-2 022
Review of sustainable and environmental friendly flame retardants used in plastics	Sreenivasan S N	Elsevier polymerer testing, January 2022, https://doi.org/10.1016/j.polymertesting.2022.107511	2021-2 022

<p>Markov analysis of academic performance of students in higher education: a case study of an engineering institution'</p>	<p>Dr. Eldose K K</p>	<p>Int. J. Services and Operations Management, Vol. 41, Nos. 1/2, pp.59–81.</p>	<p>2021-2 022</p>
<p>A review on combustion and mechanical behaviour of pyrolysis biochar</p>	<p>Sreenivasan S N</p>	<p>Materials Today Communications 31 (2022) 103629</p>	<p>2021-2 022</p>
<p>Semi Automatic Agricultural</p>	<p>Arun P Das</p>	<p>International Journal of All Research Education and Scientific Methods (IJARESM), ISSN:</p>	<p>2021-2 022</p>

Post Hole Digger		2455-6211 Volume 9, Issue 8, August-2021, Impact Factor: 7.429, Available online at: www.ijaresm.com	
Autonomous Robot Navigation using Robot Operating System (ROS)	Tony K. P , Goutham S	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 2021-2 Volume 9, Issue 8, 022 August-2021, Impact Factor: 7.429, Available online at: www.ijaresm.com	
Design and Fabrication of Refrigerator	Sandeep O.S	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211	2021-2 022

Cum Air Conditioner		Volume 9, Issue 8, August-2021, Impact Factor: 7.429, Available online at: www.ijaresm.com	
New Design of Tray Solar Still Using Peltier Module	Eldho Mathew	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 8, August-2021, Impact Factor: 7.429, Available online at: www.ijaresm.com	2021-2 022
Robotic Arm Manipulation Using ROS	Tony K. P , Goutham S	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 8,	2021-2 022

		August-2021, Impact Factor: 7.429, Available online at: www.ijaresm.com	
Portable Thermo-Acoustic Refrigerator	Aneesh V	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 8, August-2021, Impact Factor: 7.429, Available online at: www.ijaresm.com	2021-2022
Deconstruction of Plastic Waste into Hydrogen Fuel	Ajith M S , Goutham S	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 8, August-2021, Impact Factor: 7.429, Available online at: www.ijaresm.com	2021-2022

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Design and Fabrication of Pepper Separator Machine	Ben Austin B Alappat	<p>International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 2021-2 Volume 9, Issue 8, 022 August-2021, Impact Factor: 7.429, Available online at: www.ijaresm.com</p>	
Coconut Shell Breaking Analysis and Skin Testa Peeling Machine	Ben Austin B Alappat	<p>International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 2021-2 Volume 9, Issue 8, 022 August-2021, Impact Factor: 7.429, Available</p>	

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Numerical Analysis of Elevated Temperature Tensile Behaviour of Welded Aluminum Plates	Jithesh S.R	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 8, August-2021, Impact Factor: 7.429, Available online at: www.ijaresm.com	2021-2 022
Electrostatic Precipitator in Diesel Engine Exhaust for PM Removal	Majo Davis	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 8, August-2021, Impact Factor: 7.429, Available	2021-2 022

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CFD Cooling Analysis on a Turbine Blade	Goutham S, Ajith M S, Aneesh V, Sreenivasan S N, Dr. Anand Raj Hariharan	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 2021-2 Volume 9, Issue 8, 022 August-2021, Impact Factor: 7.429, Available	

		online at: www.ijaresm.com	
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Patents

Home
Patents

Title of patent	Inventor	Patent No	Status
Automated Composite Mortar Gun	V R Raji, Dr. M Karthikeyan, Dr. K Dhanasekar, Dr. B Hemalatha, B Senthil Nathan, Nivedha John, Suja S Nair, Dr. saleema Beegum	420884-001	Published
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Handheld Caprine and Bovine Eye Capture Imaging Device for Disease Prediction	Adishankara institute of engineering and technology, Sumesh Raman, et all	202441037387	Published
Student Safety Ensuring System Using Al	Adishankara institute of engineering and technology,aswathy, et all	202441019834	Field

Analysis of mechanical properties of concrete produced with red ceramic construction and demolition waste	Dr. A.N.Swaminathan,R.Jyothil aksmi et all	202341008025	Published
Design and Testing of Flat slab using Coconut shell concrete	Dr. Dhanasekar et all	202341018322	Published
Touch Controlled Concrete Hardness Testing Device	Dr. Dhanasekar, Dr.A.N.Swaminathan et all	382496/001	Design granted

A Solar Based Smart Air Car Purifier	Mr. Vignesh Karthik S.A et all	355142-001	Design published
Artificial Intelligence based Delivery Robotic Device	Manesh V.M et all	6319707	Design granted
IoT Enabled Urban Environmental Monitoring With Wireless Sensor Network	Dr. Ajay Kumar and Dr. Bipin P.R et all	201941053048	Granted
IoT Based Smart Cholesterol	Dr. Bobby Mathews C et all	399316-001	Design granted

Monitoring device			
Garden guard; the premier garden robot	Dr. Nidhinraj A et all	416800-001	Published
Tree & Branches Cutting Machine	Dr. Vinay Varghese	412245-001	Published
Traffic clearing Signal using GPS for active tracking during imminent emergency	Aswin Babu Cyril Varghese Agin Joseph Ajay Gopal N B Vishnu Gladson	202041007487	Granted

VEG DOC	Dr. Arya Devi P S, Divya V Chandran, Dr. Bobby Mathews C, Remya Ramesh, Preethesh K,Narayanan Seshan, Nikhil Krishnan	202241060615	Published
MultiStage Filter and Water treating Adapter fitted tap	Dr. Dhanasekar K et all	390359/001	Granted
Solar Plumb Bob	Dr. A.N.Swaminathen et all	400512-001	Granted
Auto Tapper	Eldose K K	201941031114	Published

VEG DOC	Dr. Arya Devi P S, Divya V Chandran, Dr. Bobby Mathews C, Remya Ramesh, Preethesh K,Narayanan Seshan, Nikhil Krishnan	202241060615	Published
User-Device Interfacing Technology with EEG and 3D eye tracking	Er. Divya V Chandran, Mr. Ajay Antony, Ms. Anila A Shenoy, Mr. Joel K S	202041033062	Published
Anti Mosquito bite suite for travellers	Dr. P Jeno Paul	201941031149	Applied

Callow Aiding Mendable Led Bulb	K Gokul Krishnan, Nandana Anand, Allwin Varghese, Afeena K A	201941049858	Application in amended examination
Traffic clearing Signal using GPS for active tracking during imminent emergency	Aswin Babu, Cyril Varghese, Agin Joseph, Ajay Gopal, N B Vishnu, Gladson	202041007487	Under Examination
Active filter for toilet gas exhaust unit	Dr. P Jeno Paul	201941027564	Filed

Adversarial Training for Large Scale Healthcare Data Using Machine Learning System	Dr. Tony George	2020102667	Granted
Terminal Voltage Rating Identification System for AC Transformers/Mo tor	Dr.Jeno Paul, Anna Baby	202041046466	Applied
Modular axe	Dr. P Jeno Paul	201941026737	Published
Micro Active ventilation with	Dr. P Jeno Paul	202041045382	Applied

oral feedback limited face mask			
System and method for indoor clothes dryer using direct transportation of solar light	Dr. P Jeno Paul	2021101539	Granted
Areca leaf shredding machine	Dr. P Jeno Paul	202141007807	Published
An Artificial Intelligence Based Voice Coding Glucose Monitoring and	Dr. P Jeno Paul	202121019989	Published

Determining System			
A Renewable Energy Based Electrical Power Producing Method	Dr. P Jeno Paul	202141026297	Published
An Automatic and Efficient Vehicle Wheel Rim Cleaning Machine	Dr. P Jeno Paul	202141026266	Published
An E-vehicles Charging by Wi-Fi Pad by Using Iot and System	Dr. P Jeno Paul	2021102648	Granted

<p>A Nutmeg Decorticator with Sorter Graded Based on Machine Learning</p>	<p>Dr. subramaniyan, Dr. Tony George, Dr. P Jeno Paul</p>	<p>2021103691</p>	<p>Granted</p>
<p>Machine Learning Based Energy Efficient Smart City Management</p>	<p>Dr. P Jeno Paul</p>	<p>2021103555</p>	<p>Granted</p>
<p>A Portable Apparatus for Breating Assistance to Monitor the Patient Suffer from Respiratory Diseases</p>	<p>Sijo George, Dr. P Jeno Paul</p>	<p>202141028644</p>	<p>Published</p>

IOT BASED smart dust bin	Dr. P Jeno Paul	2021103608	Granted
An Intelligent, Secure and Smart Embedded Ventilator System	Dr. Tony George; et all	202141026265	Published
Performance monitoring device for a real time manufacturing machine	Dr. P Jeno Paul et	202111030293	Published
Automobile tire pressure monitoring device to	Dr. P Jeno Paul et	202141032038	Published

enhance safety and reduce emissions			
Utility Based Web Content Mining Approaches	Dr. P Jeno Paul et	2021105407	Granted
A Structural Support Angle Bracket	Dr. P Jeno Paul et	348265-001	Design Accepted and Published

IEDC

Adi Shankara Institute of Engineering and Technology proved to be the stage for yet another exciting student venture through the inauguration of Kerala Startup Mission's Innovation and Entrepreneurship Development Centre from 10th February 2015. Named as Adi Shankara IEDC Boot Camp (ABC), the chapter aims at improving the entrepreneurship and technical skills of passionate students and at the same time, coming out with products which would have the potential of generating revenue. Adi Shankara IEDC Bootcamp is working its best to spread the message of Innovation, Incubation, and Entrepreneurship among students in the college/region.

Among the 216 IEDC's in the state, Kerala Startup Mission has selected Adi Shankara IEDC Bootcamp as the best IEDC in the state for the past 3 years. Also received the Entrepreneurship Enabler Award 2018 for the notable contribution to the startup ecosystem. In order to enhance the creativity and design thinking among students, every year we conduct Innovation Challenges which get reflected as a startup culture ecosystem in the campus. IEDC also organizes entrepreneurship awareness camps, skill development programs, design thinking workshops, patent support systems, Hackathons, Startup Bootcamps, product expos, outreach training programs, Meet the mentor and investor programs for the overall development of the ecosystem.

We also have a Business Hub with 1435 sq ft space as a pre incubation facility for our student startups. This Co Working Space is been used by our students who have registered startups. The space consist of Conference tables, necessary tables, chairs, white board, Wifi and table tennis board too.

Achievements

- Among the 196 IEDC's in the State,Kerala Startup Mission has identified AdiShankara IEDC as the Best Performing in the State and awarded us the prestigious Entrepreneurship Enabler Award on 8th Sept in the IEDC Summit 2018 held at Kanjirapally.
- On 08th March, 2018 Kerala Startup Mission listed the Performing IEDC's and AdiShankara IEDC was one among the 31 Performing IEDC's in the State and an additional grant of Rs.2lakh was sanctioned for the same.Order No: K-SUM/20/2018
- Our IEDC Innovative Project Baltem Gyrate designed by the students of the Department of ECE got an IDEA DAY Grant of Rs.5 Lakh from Kerala Startup Mission on 5/2/2018.
- Our Students from the Department of IT won the Best project Award on Techstarts Startup Weekend powered by Google for entrepreneurs on 21/1/2018.
- Our student from MBA got an IDEA DAY product grant of Rs.10 lakhs for his product Dhe Auto(online auto app)on 2/1/2018.
- Adi Shankara IEDC Bootcamp has been recognized by E-Cell IIT Bombay for becoming the finalist in Basic Track of National Entrepreneurship Challenge 2017-2018 organized at IIT Bombay.
- IEDC guided project,Jackfruit Plucking Equipment,done by Mechanical Engineering Studentsgot 2nd prize and 10K cash prize in all Kerala Jack Fruit Plucking Equipment challenge conducted by KTU.
- Our innovative Project,Machine to dispose off used sanitary napkins chemically, done by AiswaryaParamadathil (AE&I)has received Patent. The project way fully supported by our IEDC. Patent no: 298227
- AiswaryaParamadathil our AE&I student has won the Gandhian Young Technological Innovation Award on 13/3/2016 in the Festival of Innovation held at RashtrapatiBhavan
- On 23rd August 2016 Kerala Startup Mission [KSUM] organized the IEDC Summit at Thiruvananthapuram. AdiShankara IEDC was recognized as one among the most active IEDC clubs in the state and presented with memento for being one of the top 20 IEDCs.

Activities

- As a part of enhancing the eco system and promoting young minds,AdiShankara IEDC in association with Asianet News has been organising an innovation challenge named

AdiShankaraAsianet News Young Scientist Award for the past 3 years where the winners get an opportunity to visit NASA, USA.

- AdiShankara IEDC in association with HACK CLUB, USA conducted an International MLH Local Hackathon for both school and college students.
- As a part of enriching the creativity and innovation among our students AdiShankara IEDC in association with KSUM has been conducting an innovation challenge named **APJ ABDUL KALAM INNOVATION CHALLENGE** for the past 3 years where we identify potential student projects, mentor and fund them to convert it into marketable products.
- AdiShankara IEDC in association with ICT Academy has conducted a series of Intercollegiate Design Thinking Workshop for enhancing the creative capability among students to develop a marketable product.
- As a part of building relationships with Industry and solving their problems AdiShankara IEDC has conducted a series Factory Workshop on INDUSTRY 4.0. We also got special appreciation from Apollo Tyres for conducting the same.
- In order to encourage female entrepreneurship, AdiShankara IEDC in association with 4Tune Factory conducted a series of Women Empowerment through Entrepreneurship Workshops (Prayaana) for girl students of ASIET.
- As a part of 'Mentoring our campus startups' AdiShankara IEDC conducts an Alumni Entrepreneurs Conclave. It's a platform for our Alumni Entrepreneurs to share their stories and experiences, which got reflected as a strong mentoring mechanism.
- As a part of providing funding to our student projects IEDC conducted a 1 min elevator pitch challenge, where students pitch their idea and get funding for their campus projects.
- IEDC also conducts Faculty Development Programs (FDP) like IPR, PATENT, Latest Technologies, Entrepreneurship Training for enhancing the interest of our faculty members towards Entrepreneurship.
- In order to strengthen the technical skill sets of the student community AdiShankara IEDC conducted a series of Workshops on Latest Technologies like Robotics, Artificial Intelligence, Engine Assembly, Drone Making, Fab Lab basics and 3D printing, Android app development, Web Development, Virtual reality Game Development etc.

TBI

Technology Business Incubators (TBI)

The Adi Shankara Institute of Engineering and Technology, Kalady, has launched the Technology Business Incubators (TBI) Startup Boot Camp Chapter, creating an exciting platform for student ventures. Supported by Startup Village, the college management, and Kerala Startup Mission (Technopark TBI), a full-fledged IEDC Boot Camp has been established at the institute.

Objectives of TBI:

- Foster entrepreneurship among students, faculty, and alumni.
- Develop ideas into marketable products or services using advanced technology.
- Assist new entrepreneurs in product development tailored to market needs.
- Create customized product-to-market strategies for startups.
- Incubate research results and business ventures from experienced entrepreneurs.
- Attract technology-based companies and promote small and medium industries on campus.
- Generate employment, revenue, and export opportunities through new technology products.
- Develop effective networks for technology-based startups.
- Raise awareness about technology incubation and commercialization of R&D products.

Focus Areas:

- Automation of traditional systems to uplift rural communities.
- Robotics and Industrial IoT.
- Rural Technology.
- Green Technology.

- AI & ML in Healthcare.

In 2019, the Kerala State Industrial Development Corporation (KSIDC) sanctioned a Technology Business Incubation Centre at Adi Shankara. Currently, 10 alumni startups, including ICube Design Studio, PenserLabs, RIOD Logic, Edith Industries, and AIYGON, are incubated. Notably, two of these startups, Alygon and Edith Industries, are women-led, reflecting the campus's commitment to women empowerment through entrepreneurship.

Support and Strategy:

- Seed funding up to ₹5 lakhs for initial product development.
- Marketing support, including digital/print media branding, product launch coverage, startup exhibitions, corporate promo video production, PR activities, and digital marketing consultation.
- Partnerships with Amazon, Google Cloud, and HubSpot for startup savings on tools and services.

Action Plan:

- Focus on transitioning ideas to commercially viable products through three stages: Pre-Incubation (3-6 months), Incubation (6-12 months), and Acceleration (1-2 years).
- Provide part-by-part funding policies (scale-up grants, R&D grants, marketing support grants).
- Partner with relevant solution providers to simplify the startup journey and offer substantial savings on essential tools and services.

IPR Cell

With the advancement of engineering Science and Technology, and the proliferation of knowledge in developed and developing countries, inventions and creations have become a daily affair. The caution to safeguard the individual's product of human intellect from abuse or misuse has necessitated a legal security cover. The incubation centers in almost all HEIs seek legal assistance to protect the inventions and the interests of the inventor and the laws concerned are called Intellectual Property Rights. Adi shankara institute of engineering and technology kalady, with the intention of creating awareness among the Faculty and the Research Scholars, has launched the IPR Cell on 25.06.2018 with an Orientation program on Intellectual Property Rights. The IPR Cell of our college is committed to encourage the creativity and innovation that happen on its premises leading to generation of Intellectual Property. This Cell extends its services to the in-house scholars as well as the common public of our locality.

Co-ordinator - Dr. P Jenopaul, Professor, Department of Electrical and Electronics Engineering

IPR Policy

Academic and Research Institutions are concerned with successfully managing projects and research initiatives and the protection of their IP Rights which will benefit all stake holders.

Salient Features of the Policy

- Right to be in joint name: -The patent shall be taken in the joint names of the college and the inventor
- The inventor may retain ownership if the IP is developed without use of college resources and time.
- The expenses in connection with the registration of any I.P.R. shall be borne by the college.
- Any profit accruing from the patent shall be shared between the college and the inventor as per policy.

- The person responsible for the invention or discovery shall render free service to the college in connection with the exploitation of the patent. The terms on which patents may be offered for exploitation shall be determined solely by the college
- The college faculty and students may publish their research outputs provided that are not copyrightable/patentable intellectual property.
- The process to be followed for filing a patent has been explicitly defined in the policy, and is to be followed for an efficient process.

Obligations of the Inventor

- Disclose the invention in a thorough manner.
- Have trust on the IPR. cell and provide information as and when asked for.
- Provide assistance throughout the period of intellectual property rights procedures.

Objectives

- To orient the Faculty, Research Scholars and Students on the importance of IPR through workshops and seminars
- To organize periodic meetings with the experts from Patent Information Centre for identifying patentable inventions
- To guide and support the common public in obtaining protection for their creative ideas/inventions
- To create a conducive environment for the development of Intellectual Property(IP)
- To facilitate proper understanding of a wide range of legal concepts with regard to Copyrights, Trademarks, Patents, Geographical Indication, and Industrial Designs and Models
- To foster innovations leading to Human progress and advancement

Realizing the potential of the Higher Education Institutions in incubating ideas and providing solutions, the IPR Cell of our college is committed to the cause of converting society-friendly research concepts to valuable patents.

Responsibilities

- Conducting IPR outreach activities
- Celebrating World IP Day on 26 April of every year
- Counseling on career opportunity in IPR
- Career assistance and guidance on preparation for Patent Agent Examination, Trademark Agent Examination TIFAC Women scientists scheme (1 year training on IPR), other IP positions and the required skills
- Providing assistance in scientific R&D by providing the latest publication and patents on the subject
- Providing prior-art search reports for analyzing Intellectual property
- Providing Patentability opinion on invention
- Drafting patent specifications
- Preparation of documents for filing IPR Applications
- Filing IPR Applications and follow-up thereafter
- Facilitating IPR services including outsourcing, coordinating with experts like advocates, agents etc. for various IPR needs including IPR watch, oppositions, litigations etc.

IPR Cell Executive Members

1	Dr. M S Murali	Principal	Chairperson
2	Dr. P Jenopaul	Faculty Member	Member
3	Adv. Febin James	Civil And Criminal Lawyer	Member

4	Er. Ajay Basil Varghese	Incubation Head	Member
5	Er. Krishnapra sad V	Alumni Industrial Expert	Member Secretary

IIC

Under the guidance of Ministry of Human Resource Development (MHRD) Institutions Innovation Council (IIC) at ASIET was established in the academic year 2019-2020.The innovation and entrepreneurship promotion and support programs are orgainsed to ensure round the year activities in campus for effective engagement, learning and practicing innovation and entrepreneurship among student and faculty community.

Ministry of Human Resource Development (MHRD), Govt. of India has established ‘MHRD’s Innovation Cell (MIC)’ to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years.

MIC has envisioned encouraging the creation of ‘Institution’s Innovation Council (IICs)’ across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campuses.

The major focus of IIC

- **To create a vibrant local innovation ecosystem.**
- **Start-up supporting Mechanism in HEIs.**
- **Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework.**

- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Develop better Cognitive Ability for Technology Students.
- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bounded fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc with the involvement of industries.

IIC Executive Members

Members	Designation	Role
Dr. M S Murali	Principal	Head

Albins Paul	Assistant Professor	President
Dr. Ajay Kumar	Associate Professor	Convener
Ranjeesh R Chandran	Assistant Professor	Vice President
Abishek Kumar A.A	Assistant Professor	ARIIA Coordinator, NIRF Coordinator
Sandeep O S	Assistant Professor	Internship Activity Coordinator
Sijo George	Associate Professor	Social Media Coordinator
Dr. Jeno Paul	Professor	IPR Activity Coordinator
Eldhose P Sim	Assistant Professor	Innovation Activity
Ajay Basil Varghese	Assistant Professor	Start-up Activity Coordinator

Arya Paul	Assistant Professor	Member
Remya Ramesh	Assistant Professor	Member
Sreehari S	Assistant Professor	Member
Alan Mathew George	Assistant Professor	Member
Dr. Jithesh K	Associate Professor	Member
Dr.Sanaj M S	Associate Professor	Member
Nikhil Narayan	Assistant Professor	Member
Eldhose K Joy	Assistant Professor	Member

Dona Joy

**Assistant
Professor**

Member

Fablab

ASIET FABLAB is a state-of-the-art digital fabrication laboratory designed to enable the creation of almost anything. This facility is available to both faculty and students for developing creative design projects and is open to all technology disciplines as well as external partners with permission. Spanning 1,365 square feet, the lab is fully equipped to produce marketable products in a short time frame.

Objectives

- Foster an entrepreneurial culture through research and innovation among students, faculty, alumni, and external startups.
- Provide a facility for individuals without formal education to develop prototypes.
- Support Small Scale Industries (SSI) and Micro, Small & Medium Enterprises (MSME) in wealth creation through innovative and value-added products.

The ASIET FABLAB aims to drive innovation and entrepreneurship by offering cutting-edge tools and resources for creative development and prototype creation.

Facilities

- 3D Printing
- Vinyl Plotting
- PCB Milling
- Laser Cutting/Engraving
- 3-Axis CNC Milling
- Sand Blasting
- Screen Printing
- Electronic Production

The ASIET FABLAB aims to drive innovation and entrepreneurship by offering cutting-edge tools and resources for creative development and prototype creation.

Center For AI-IoT Innovation

The Center for AI IoT Innovation is a facility focused on the integration of electronics hardware design with artificial intelligence (AI) and explainable AI (XAI). The lab is equipped with hardware development tools, computing systems, and educational resources to support research and development in this area. The center provides resources for both theoretical research and practical applications, aiming to advance the integration of AI technologies with IoT systems.

Ongoing Project:

Development of digital networking for preventive and predictive environmental and climatic warning solutions - Building an Entrepreneurial ecosystem for addressing Environmental Issues

Objectives:

- The main objective is the development of digital networking for preventive and predictive environmental and climatic warning solutions

The sub objectives are

- To develop an intelligent sensor module for monitoring and managing environmental pollution
- To develop and validate a smart water level monitoring solution with an associated alert for floods.
- To create a digital system that effectively monitors and distributes water levels in the local area.
- To create startup ecosystem and skill development around these IoT solutions.
- Development of Explainable AI based analysis software for Internet of Things (IoT) solutions

Facilities

Our team consists of six members: three project associates and three project assistants. We are guided by our principal investigator, Dr. Ajay Kumar, Associate Professor, ECE Dept. Our co-investigators are Mr. Albins Paul, Assistant Professor, ECE Dept, Mr. P.V. Raja Raman, Assistant Professor, CSE-AI Dept, and Mr. Manesh T, Associate Professor, CSE Dept.

A 600 square feet Center for AI - IoT innovation consist of three main areas:

- Conference Room: Equipped for meetings and discussions.
- AI - IoT Lab: Serves as our working space for developing hardware and AI.
- Technical training space: Versatile space for workshops and collaboration.

The lab is equipped with computer workstations, including two i9 processor systems, one i7 processor system, an i7 core laptop and two i3 processor systems. Additionally, the AI - IoT lab is fully stocked with a variety of electronic and laboratory equipments, including a Digital Storage Oscilloscope (DSO), Spectrum Analyzer, variable power supply, and step-up and step-down transformers, as well as a LoraWAN gateway. The conference room features a Smart TV for presentations, and our air conditioned lab and conference room ensures comfort throughout the space. Additionally, rooms are furnished for convenience and functionality. We've acquired microcontroller development kits, transceiver chips, a range of sensors, power supply modules, and other essential components to facilitate our project's development. Additionally, we offer internship programs to students.

Research & Innovation

NISP

Vision

The 'National Student and Faculty Startup Policy-2019' is initiated by MHRD's Innovation Cell and AICTE. It is a guiding framework to envision an educational system oriented towards start-ups and entrepreneurship opportunities for student and faculties.

The guidelines provide ways for developing entrepreneurial agenda, managing Intellectual Property Rights (IPR) ownership, technology licensing and equity sharing in Start-ups or enterprises established by faculty and student and encourage them to actively pursue path of innovation and entrepreneurship

Our vision is to develop high quality technical human resource capable of doing cutting edge research and innovation and deep-tech entrepreneurship.

Mission

- To establish vibrant and dynamic Startup Ecosystem across all the departments.
- To enable the institute to actively engage students, faculties and staff in innovation and entrepreneurship related activities.
- To create a space for Collaboration, Co-creation, Business Relationships and Knowledge Exchange.
- To facilitate the institute in terms of Intellectual Property (IP) ownership management, technology licensing and equity sharing.

ARIIA

Atal Rankings of Institutions on Innovation Achievements (ARIIA) is an initiative of the Ministry of HRD, implemented by AICTE and Ministry's Innovation Cell, Government of India to systematically rank higher education institutions and universities in India on indicators related to Innovation, Startup and Entrepreneurship Development amongst students and faculty. The major parameters on which ARIIA is based are Programs and Activities on IPR, Innovation, Start-up and Entrepreneurship, Pre-Incubation & Incubation Infrastructure & Facilities to Support I&E, Annual Budget Spent on Promoting and Supporting I&E Activities, Courses on Innovation, IPR and Entrepreneurship Development, Intellectual Property (IP), Technology Transfer and Commercialization, Successful Innovation and Start-ups & Funding Innovation & start-ups.

IIPC

Industry Institute Partnership Cell (IIPC)

Interaction between Institutions and Industries is the need of the hour. Students get an exposure on actual industrial environment and a chance to understand their work culture. Subsequently, students acquire knowledge about their career and helps them to prepare for placement in various disciplines.

On the other hand, industries are also facing stringent competitions and are in need of students who are aware of industry standards and capable of achieving the same. This calls for an urgent need for interaction of industries and academics. The industries can participate with institutes in moulding the students for industry ready by providing training. To materialize this, bridging the gap between industry and the institute is a must and for this, an Industry Institute Partnership Cell was constituted in February 2018 at ASIET.

The Industry Institute Partnership Cell at ASIET provides a platform to the institute and the industries. The aim of this platform is to join the hands considering all the stakeholders such as institutions, industry, students and society stand to gain as it can be a win-win partnership.

The continuous outcome of this partnership in terms of all the stakeholder's benefits is: students and faculty members to be aware of industry expectations of skill sets required for the students. The students understand the lacunae in their skills and provide an opportunity to upgrade them by gaining the knowledge, hands on training, beyond their regular curriculum. It also enables faculty to meet the global challenges, industry expectations and to nurture the students through effective teaching learning processes. The industry gets assistance of dynamic student force as well as guidance of expert faculty members in R&D and for solving their complex problems. The Industry stands to gain the skilled manpower as per its requirement.

Benefits for the Industries Under IIPC

- To earmark the students for future employment during their internship period itself and providing them proper skill sets by which, students will be industry ready from the day one of their career.
- Industry can plan and build their future work force by providing suitable training and inculcating proper skill sets to the students
- Institute assists in upgrading qualification of the industry people, under continuing education in part time or distance education mode.
- Industry experts can hone their knowledge and skills by actively participating in delivering the lectures and seminars for both faculty members and students.
- Use of specialized database / lab equipment of the institute.
- Institute can cater the tailor made short term training programs for shop floor personnel through continuing education program.

Institute Expectation from Industry

- Use of Industrial labs under proper guidance by the institute
- Research fellowship support and guidance from industry.
- Industry training and projects for both faculty members and students.
- Assistance in obtaining the sponsored research project from various funding agencies.
- Scope for consultancy work for the faculty members with their expertise.
- Involving both faculty members and students in R & D activities.
- Campus drive and employment to the students
- To enrol faculty members to assist in designing the contents for training the employees
- Scholarship instituted by industries for students.
-

Joint Benefits

- Joint research publications
- Joint patents
- Industry Institute personals exchange program.
- Collaborative educational programs
- To create new ideas and applications for product development
- Curriculum development
- Joint funded projects.

Thrust Areas

In line with the stated aim and objectives, the institute has decided to join hands with the industry. The partnership would build up mutual benefits when a strategic relationship is developed among the two parties. The ultimate aim of this partnership will be the creation of confidence in industry by the institute, which would result industries involving voluntarily the institute at various stages of its development.

The development of such strategic relationship, following thrust areas have been identified, which require immediate attention for most of the thrust areas and action over the period of time to few critical areas.

- Enhancing the teaching and learning process
- Exchange of experts between the institute and industry
- Involvement of teaching staff in industry
- Institute to gain confidence in industry
- Institute as a consultant in R&D.
- Technological Database
- Continuing Education program
- Establishment of linkages
- Institute's self-reliance in Finances

About NEP

The National Education Policy (NEP) of India is a comprehensive framework aimed at overhauling the educational system in the country to meet the needs of the 21st century. The NEP envisions a holistic and multidisciplinary approach to education, breaking down silos between different streams and promoting a broad-based, flexible curriculum.

The implementation of the National Education Policy (NEP) at Adi Shankara Institute of Engineering and Technology likely includes several key initiatives to align with the policy's objectives. Here are some potential aspects of NEP implementation at the institute:

- Promoting Indian Knowledge System (IKS)
- Adi Shankara Digital Academy (ASDA)
- Virtual Lab
- Adi Shankara Skill Kendra
- Shankara Sara Sangraha
- NPTEL

NSS@ASIET

The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports. It provides opportunity to the students to take part in various government led community service activities & programmes. The sole aim of the NSS is to provide hands on experience to young students in delivering community service. The National Service Scheme was started to establish a meaningful linkage between the campus and the community. NSS activities aim at personality development through community service. Two NSS units were established at Adi Shankara Institute of engineering and Technology, Kalady in 2015 under NSS Technical cell of Directorate of Technical education. Our NSS units are very keen to mould social engineers through student-community engagement. From 2019 onwards NSS Unit is functioning under APJAKTU NSS Cell.

NSS unit of ASIET and Program officer received the NSS national award 2020-21 from President of India. We also secured Kerala state NSS awards for best NSS unit, best program officer and best volunteer in consecutive years 2019-20 and 2020-21. We secured University NSS award for best volunteer in 2022, best unit, best program officer and best volunteer award in 2021. ASIET NSS unit received directorate awards for best unit, best program officer and best volunteer award in 2019 and 2020. Our NSS volunteers have been participated in international youth exchange program, National integration camps and Pre-RD selection camps. Our NSS units are undertaking environment protection activities, blood donation camps, awareness campaigns, Energy conservation activities, home for homeless project, swachh bharat activities farming activities and charity works etc.

Objectives of National Service Scheme (NSS)

- Understand the community in which they work
- Understand themselves in relation to their community

- Identify the needs and problems of the community and involve them in problem-solving
- Develop among themselves a sense of social and civic responsibility
- Utilize their knowledge in finding practical solutions to individual and community problems
- Develop competence required for group-living and sharing of responsibilities
- Gain skills in mobilizing community participation
- Acquire leadership qualities and democratic attitudes
- Develop capacity to meet emergencies and natural disasters and
- Practice national integration and social harmony

Activities

- Women empowerment programs
- Computer literacy programs
- Technology mentorship to community
- E – literacy programs for housewives
- Drinking water testing
- Training for rain water harvesting
- Rejuvenation of water sources in surrounding areas
- Blood donation camps
- Anti-ragging campaigns
- Awareness campaigns on road safety, blood donation, organ donation, aids, women education, human rights, women empowerment, ill effects of narcotics, protection of environment, climate change, health and hygiene
- Upliftment of underprivileged sections of society
- Awareness classes on world environment day
- Awareness classes to prevent spread of epidemics
- Cleaning initiatives
- Visits to old age homes, orphanages etc.

Awards and Recognitions

Adi Shankara Institute of Engineering and Technology (ASIET) has received numerous awards and accolades for its impactful social extension activities. These recognitions highlight the institute's dedication to community service and humanitarian efforts. These awards reflect ASIET's continuous commitment to making a positive impact on society through its social extension activities and community engagement.

SL NO	Academic Year	Awards/Certificate of appreciation	Governmental/non-governmental
1	2022-2023	Achievement Certificate for coordinating project-Ganitham	Kerala State NSS cell(Govt.)
2	2022-2023	Appreciation Certificate for organizing a voluntary Blood Donation Camp	KSRTC(Govt.)

3	2022-2023	Appreciation certificate for coordinating District Level Quiz Competition	Kerala State Excise Department(KSED)(Gov t.)
4	2022-2023	Appreciation certificate in IEDC Summit	Kerala start-up Mission(Govt.)
5	2022-2023	Certificate of recognizing IEDC as a TBI	Kerala start-up Mission(Govt.)
6	2022-2023	IAS CMD Outstanding Member Award	IEEE Kerala Section(Non-Govt.)

7	2022-2023	Regional Exemplary Student Branch Award.	IEEE Kerala Section(Non-Govt.)
8	2022-2023	Outstanding Student Volunteer award.	IEEE Kerala Section(Non-Govt.)
9	2021-2022	Appreciation for organizing State Level ENERGY CELL Annual Meet.	APJ Abdul Kalam Technological University(APJAKTU)(G ovt.)
10	2021-2022	Best NSS volunteer award	APJ Abdul Kalam Technological University(APJAKTU)(G ovt.)

11	2021-2022	Best regional Coordinator of ‘ Rudhirasena ‘	APJ Abdul Kalam Technological University(APJAKTU)(Govt.)
12	2021-2022	Regular Blood Donor award	Terumo Penpol Pvt Ltd(Non Govt.)
13	2021-2022	Appreciation in District level competition Sparsham-21	Dept. of Higher-Education and KSED(Govt.)
14	2021-2022	Appreciation certificate for the service as coordinator to Covid Warriors	Kerala State NSS Cell(Govt.)

15	2021-2022	Appreciation certificate for organizing the maximum number of blood camps	APJAKTU NSS Cell(Govt.)
16	2021-2022	Appreciation certificate for exemplary service as COVID warrior cell	Dept. of Higher-Education (Govt.)
17	2021-2022	Appreciation Certificate for coordinating the virtual IEDC SUMMIT	Kerala Start-up Mission(Govt.)
18	2021-2022	Outstanding Branch Counsellor Award	IEEE(Non-Govt.)

19	2021-2022	Regional Exemplary Student Branch Award.	IEEE(Non-Govt.)
20	2021-2022	Achievement Certificate for securing Overall Champion-Gold in Orion-2.0	IEEE(Non-Govt.)
21	2021-2022	Outstanding Student Humanitarian Volunteer Award	IEEE(Non-Govt.)
22	2021-2022	Outstanding Student Volunteer award	IEEE(Non-Govt.)

23	2020-2021	Appreciation Certificate to NSS unit	District Suchithwa-mission, Ernakulam(Govt.)
24	2020-2021	Best NSS program officer award	APJAKTU NSS Cell(Govt.)
25	2020-2021	Best NSS Volunteer award	APJAKTU NSS Cell(Govt.)
26	2020-2021	Best NSS unit award	APJAKTU NSS Cell(Govt.)
27	2020-2021	Best NSS unit Award	Dept. of Higher-Education(Govt.)

28	2020-2021	Best NSS Volunteer award	Dept. of Higher-Education(Govt.)
29	2020-2021	Best NSS program officer	Dept. of Higher-Education(Govt.)
30	2020-2021	National award for best NSS unit	Govt. of India
31	2020-2021	National award for Best NSS Programme Officer	Govt. of India
32	2020-2021	Featured in mygov.gov page as a best practice	Govt. of India

33	2020-2021	Appreciation for Innovative project	International Chamber for Service Industry(Non-Govt.)
34	2020-2021	Regional Exemplary Award 2020	IEEE(Non-Govt.)
35	2019-2020	Best NSS unit award	Dept. of Higher-Education(Govt.)
36	2019-2020	Best NSS program Officer award	Dept. of Higher-Education(Govt.)
37	2019-2020	Best NSS volunteer award	Kerala State NSS Cell(Govt.)

38	2019-2020	NSC Social Service Award	NSC(Non-Govt.)
39	2019-2020	Top Performer Award in FAB challenge	Kerala-Start-up-Mission(Govt.)
40	2019-2020	Outstanding Volunteer Award	IEEE(Non-Govt.)
41	2018-2019	Best NSS unit award	Kerala State NSS Cell(Govt.)
42	2018-2019	Best NSS program Officer award	Kerala State NSS Cell(Govt.)

43	2018-2019	Best NSS Volunteer award	Kerala State NSS Cell(Govt.)
44	2018-2019	Best Swatch-Bharath Intern Award	Kerala State NSS Cell(Govt.)
45	2018-2019	Appreciation for Punarjani	Kerala State NSS Cell(Govt.)
46	2018-2019	Appreciation Certificate for green protocol implementation	HK Mission(Govt.)

47	2018-2019	Appreciation Certificate for promoting 'Financial Inclusion' Scheme	Postal department(Govt.)
48	2018-2019	Certificate of completion of AQMS product	ITI(Govt.)
49	2018-2019	Entrepreneurship Enabler Award	Kerala-Start-up-Mission (Govt.)
50	2018-2019	Secured third position in Tech4seva	Kerala Agricultural University(Govt.)

51	2018-2019	Outstanding Student Volunteer Award	IEEE(Non-Govt.)
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Bhoomithra Sena

For strengthening the environmental commitment of students at college level in the State, Directorate of Environment & Climate Change (DoECC) has launched the 'Bhoo Mithra Sena' programme. Through this programme, it is intended to establish Bhoomithra Sena Clubs (BMCs) in all districts through the colleges of the State. Now it is extended to Higher Secondary Schools in the State as well. A unit of BMC is actively functioning at Adi Shankara Institute of Engineering and Technology , since 2013.

Objectives

- To encourage the students to appreciate environment and environmental issues of the locality
- To provide environmental education opportunities for students and involve them in addressing environmental issues of the locality
- To utilize the enormous manpower available with students as conduits for awareness of the society
- To make students practice and advocate sustainable lifestyles
- To improve the overall environmental quality of the institution.

Activities

Organize Seminars, debates, lectures and popular talks on environmental issues in the College/ Schools and surrounding areas. Field visits to local environmentally important sites including polluted and degraded sites, wild life parks, coastal areas, etc. Organize awareness camps to propagate waste minimization, personal hygiene habits and sustainable life styles. Observance of at least two of the following environmentally significant days.

World Wetland day – 2nd February

World Forestry day – 21st March

World Water day – 22nd March

World Meteorological day – 23rd March

World Earth day – 22nd April

International Bio Diversity day – 22nd May

World Environment Day – 5th June

World Ocean Day – 8th June

World Ozone Day – 16th September

National Pollution Prevention Day – 2nd December

Mobilize awareness against environmentally unsound practices like garbage disposal in unauthorized places, unsafe disposal of hospital wastes, etc.

Actions based activities like tree plantation, cleanliness drives within and outside the campus, maintain waste management units, construct water harvesting structures, practice recycling etc.

Prepare inventories of polluting sources; take mitigation measures if possible, and if not, forward it to enforcement agencies.

Monitor the water quality of water bodies in and around the campus, including drinking water sources and ascertains its potability and suitability of use. The concerned district office of KSPCB will assist in water quality testing etc.

Curriculum related assignments on local environmental issues including pollution monitoring, biodiversity surveys, Waste management, documentation of indigenous traditional knowledge etc

Prepare locally relevant resource materials.

Unnat Bharat Abhiyan

Unnat Bharat Abhiyan (UBA) is a flagship program of the Ministry of Education with the vision of transformational changes in rural development processes by leveraging knowledge institutions to help and build the architecture of an inclusive India and to have a paradigm shift in academic and research programs of the country. This Scheme intends to link the Higher Education Institutions (HEIs) with a set of at least five villages. These HEIs can contribute to the social and economic betterment of the village communities by using their knowledge based under UBA. Under this scheme Adi Shankara Institute of Engineering and Technology has adapted five villages in Ernakulam District.

Vengoor
Vengoor West
Kizhakumbhagam
Thekkumbhagam
Kombanad

The UBA of our college engages the students to identify the development issues in rural areas and find sustainable solutions. Our students also have a strong connection with the rural public and want to create a virtuous cycle between society and an inclusive academic system by providing knowledge and practices for emerging professions. UBA also conducts various activities, such as hands on training, Swatch Bharat, tree plantation, Cleaning drive, etc to enhance the student's promotional activities.

Objectives

To engage the faculty and students of Higher Educational Institutions in understanding rural realities.

To identify & select existing innovative technologies, enable customisation of technologies, or devise implementation methods for innovative solutions, as per local needs.

To leverage the knowledge base of the educational institutions for effective implementation of various government programmes.

Swachh Bharat

Swachh Bharat Mission was launched on 2nd October 2014 throughout length and breadth of the country as a national movement. The campaign aims to achieve the vision of a 'Clean India' by 2nd October 2019. The Swachh Bharat Abhiyan is the most significant cleanliness campaign by the Government of India. This drive was formulated to cover all the cities and towns of India to [make them clean](#). This campaign was administered by the Indian government and was introduced by the Prime Minister, [Narendra Modi](#). It was launched on 2nd October in order to honor [Mahatma Gandhi's](#) vision of a Clean India. The cleanliness campaign of Swachh Bharat Abhiyan was run on a national level and encompassed all the towns, rural and urban .NSS and Bhoomithrasena club of Adi Shankara Institute of Engineering and Technology is organizing the swachh Bharat activities in and outside the campus. College is giving importance to maintain campus clean and hygiene.

Objectives

- To make everyone understand the importance of cleanliness and maintain it for ever to continue a healthy life
- To bring a behavioural changes among people regarding maintenance of personal hygiene and practice of healthy sanitation methods
- To eliminate the open defecation
- To promote and implement proper waste management
- To strengthen the cleanliness system in campus and villages through students involvement

To promote the message of cleanliness through awareness and education program.

Urja Kiran

The [Energy Management Centre – Kerala \(EMC\)](#), is the “State Designated Agency” to co-ordinate, regulate and enforce the provision of the EC Act 2001 in the state of Kerala with the concurrence of BEE, Ministry of Power, Govt. of India and for implementing various schemes under the Act. The Centre is devoted to the improvement of energy efficiency in the State, promotion of energy conservation and encouraging development of technologies related to energy through research, training, demonstration programs and awareness. EMC initiated URJA KIRAN, Energy Conservation Awareness Campaign in 2015.

Objectives

The objective of URJA KIRAN is to create awareness among the general public and equip them for efficient management of all forms of energy, to promote energy efficiency and energy conservation and to develop new sources of energy as well as novel energy technologies with a view to increasing the production and facilitating the use of energy on a sustainable basis. It aims at seeking the Participating Agencies (PAs) to convene, catalyse and facilitate works in the energy conservation related activities in a participatory mode across the State. Therefore, institutions that have been involved in community participation, environment, and energy conservation work are invited to apply for the task.

Activities

This program, in general, focuses on enhancing environmental awareness and fostering critical thinking and problem-solving approaches among participants, by helping them to become actively involved in the exploration of their immediate environment through understanding certain concepts and undertaking some selected activities' related to Energy conservation and energy efficiency. The intention is to

encourage an approach which takes some of these basic ideas and adapts them to suit local needs. Thus the activities of the ECAC program consists of an awareness component to be conducted as an initial phase followed by an action component to be initiated by the PAs as a follow up program. Adi Shankara Institute of Engineering and Technology, Kalady joined with EMC to conduct Urja Kiran project at Angamaly constituency.

Vidyuth

"Vidyuth," an initiative by the Electrical and Electronics Engineering (EEE) department, began in 2013 with the goal of providing electricity to economically disadvantaged families. Over the past decade, this project has successfully illuminated more than 100 homes, greatly enhancing residents' quality of life. The program continues to address a crucial community need and is driven by the department's commitment to social responsibility. "Vidyuth" not only aims to supply energy but also seeks to raise awareness about electricity usage and instill social consciousness among students.

Red Ribbon Club

Red Ribbon Club is a movement started by the Government of India in schools and colleges through which, students will spread awareness over HIV / AIDS. It envisages to instill charity mind among all the students to extend their able help towards developing healthy life styles, donating blood to all the needy by promotion of Regular voluntary blood donation.

The red ribbon is a symbol for both drug prevention and for the fight against AIDS. The Red Ribbon foundation is an organization founded in 1993 whose main purpose is the education about prevention of the Human Immunodeficiency Virus or HIV, Acquired Deficiency Syndrome Related Complex, ARC and AIDS.

Aim

The Red Ribbon Club, aims at harnessing the potential of the youth by equipping them with correct information on HIV/AIDS Prevention, Care, Support and Treatment. It also aims in building their capacities as peer educators in spreading messages on positive health behaviour in an enabling environment and increasing voluntary blood donation from among youth.

Objectives

- To reduce new HIV infection among youth by raising their risk perception through awareness programme.
- To induce among youth the spirit to help and support people living with HIV/AIDS thereby reducing stigma and discrimination.
- To motivate youth and build their capacity as peer educators and change agents by developing their skill on Leadership, negotiation and team building.
- To promote voluntary non-remunerated blood donation among youth.

Paaristhithikam

'Paaristhithikam' is a component programme of the State Plan Scheme titled 'Environmental Awareness and Incentives' implemented state-wide by the Directorate of Environment and Climate Change (DoECC), Government of Kerala from 2012 onwards. The programme envisages creating environmental awareness and sensitization in the society through actions with motto – 'awareness through action'.

Bhoomithrasena Clubs, educational/academic/research institutions, government departments/agencies, non-governmental organizations and professional bodies which have at least 3 years experience in environmental fields can apply and participate in the programme. The programme shall be implemented based on a theme selected by DoECC in each year. The activities implemented through the programme can be of one to two years duration. Adi Shankara Institute of Engineering and Technology successfully completed paristhithikam project in 2018-19 and 2019-20.

Punarjani

PunarJani is a project to revive and improve the basic infrastructure facilities in government hospitals. Due to lack of regular maintenance, equipment, including expensive medical tools, remain unused in many hospitals which will be repaired as part of the scheme. This project aims to enhance infrastructure in government hospitals, focusing on repairing biomedical equipment, furniture, and electrical appliances, directly benefiting the underprivileged. The NSS unit of ASIET has restored facilities at Government Hospital Mattoor, Government Taluk Hospitals in Angamaly, Chalakudy, and Thrippunithura, and Ayurvedic Medical College, Thrippunithura. As the camp officer for the Mega Punarjani Camp by the Directorate of Technical Education, the NSS Program Officer of ASIET coordinated restoration camps at Medical College Trivandrum, General Hospital Ernakulum, District Hospital Aluva, and Government Medical College Ernakulam.

Home for the Homeless

The ASIET community came together to construct new homes for three families whose houses were destroyed by heavy rain through the combined efforts and contributions of the NSS unit, Alumni Association, staff, and students. Volunteers generously offered their time and services to ensure the project's success.

Response to COVID

During the COVID-19 pandemic, Adi Shankara Institute of Engineering and Technology (ASIET) took various proactive measures to support both its community and the broader public, ensuring safety and continuity in education while contributing to pandemic relief efforts.

During the COVID-19 pandemic, ASIET made significant societal contributions. ASIET developed and distributed sanitizer dispenser units to government institutions, including district administration offices, police stations, hospitals, banks, railway stations, and panchayat offices. To address ventilator shortages, ASIET build a ventilator system to Ernakulam General Hospital. ASIET created software to assist COVID-19 volunteers in Kalady and Vadakekara Panchayats. The institute's socially responsible activities included distributing free masks and sanitizers, providing clothing and food to orphanages and old age homes, and donating materials and refrigerators to First-Line Treatment Centers.

Educational Continuity

Transition to Online Learning: ASIET swiftly transitioned to online learning platforms to ensure that students' education continued uninterrupted. The institute leveraged digital tools to deliver lectures, conduct exams, and facilitate project work, maintaining academic rigor despite the challenges posed by the pandemic.

Virtual Labs and Workshops: To replicate the hands-on experience that is crucial in engineering education, ASIET introduced virtual labs and online workshops. These resources allowed students to engage with practical components of their curriculum remotely.

Support for Students: Understanding the diverse challenges faced by students during the pandemic, ASIET provided additional support through counseling services, mentorship programs, and flexible learning schedules. The institute also extended financial aid to those affected by the economic impact of the pandemic.

Community Support and Relief Efforts

Health and Safety Measures: On-campus, ASIET implemented stringent health and safety protocols, including regular sanitization, temperature checks, and the provision of masks and sanitizers. These measures ensured the safety of the limited staff and essential personnel who had to be on-site.

Technology and Innovation for Pandemic Relief: ASIET encouraged its students and faculty to engage in innovative projects aimed at addressing COVID-19 challenges. This led to the development of various tech solutions, including low-cost ventilators, automated sanitization systems, and digital tools for contact tracing.

Donation Drives and Medical Aid: ASIET organized donation drives to collect funds, medical supplies, and food for those affected by the pandemic. The institute also

collaborated with local authorities to support the healthcare system, providing logistical support and resources.

Vaccination Drives: As vaccines became available, ASIET played an active role in organizing vaccination camps, both for its students and staff as well as for the surrounding community. These efforts were part of a broader initiative to combat the spread of the virus and ensure public health.

Social Responsibility and Outreach

Awareness Campaigns: ASIET conducted various online awareness campaigns to educate the public about COVID-19 prevention measures, vaccination benefits, and mental health during the pandemic. These campaigns were targeted at both the student community and the general public.

Community Engagement: Recognizing the socio-economic impact of the pandemic, ASIET engaged with local communities to provide support, especially to those who lost their livelihoods. This included distributing essential goods and providing educational resources to children affected by the digital divide.

ASIET's response to the COVID-19 pandemic was characterized by resilience, innovation, and a strong sense of social responsibility. The institute not only ensured that its academic mission continued but also actively contributed to the broader fight against the pandemic, supporting both its immediate community and society at large.

Flood Relief

Response to severe flood of 2018

During the deluge of 2018 witnessed by the State of Kerala, Adi Shankara Institute of Engineering and Technology (ASIET) played a pivotal role in flood relief activities, providing crucial support to thousands of people affected by the disaster.

Key Relief Activities by ASIET

Main Relief Camp

ASIET transformed its campus into the main relief camp, offering shelter to thousands of displaced individuals. The institute's facilities were used to accommodate people from various flood-affected regions, providing them with a safe and secure environment during the crisis.

Food and Medical Aid

ASIET organized and distributed essential supplies, including food, clean water, clothing, and medical aid. The institute collaborated with local authorities and NGOs to ensure that basic needs were met, preventing the spread of disease and malnutrition among those affected.

Student and Faculty Involvement

Students, faculty, and staff of ASIET actively participated in the relief efforts. They volunteered in various capacities, such as rescuing stranded individuals, distributing relief materials, and providing emotional support to those in distress. Their collective efforts helped streamline the relief operations and reach a broader population.

Medical Camps

ASIET set up medical camps on campus and in surrounding areas to offer healthcare services to the flood victims. Doctors and medical students provided first aid, treatment for injuries, and vaccinations to prevent outbreaks of waterborne diseases.

Rehabilitation and Reconstruction

Beyond immediate relief, ASIET also contributed to long-term rehabilitation efforts. The institute was involved in rebuilding homes and restoring infrastructure in the flood-hit areas, ensuring that the affected communities could begin to rebuild their lives.

Community Engagement

ASIET's commitment to community welfare was evident through its outreach programs, which included awareness campaigns on disaster preparedness and resilience. The institute worked closely with local communities to educate them on coping with the aftermath of the floods and preparing for future emergencies.

ASIET's comprehensive and compassionate approach during the 2018 flood not only provided immediate relief but also played a significant role in the rehabilitation and recovery of the affected communities. The institute's efforts were widely recognized and appreciated, cementing its reputation as a key contributor to disaster management and community welfare in the region.

LAARC

The IEEE Student Branch at ASIET has consistently shown a strong commitment to humanitarian efforts, seamlessly blending academic pursuits with social responsibility. As active IEEE volunteers, the branch leaders inspire their peers to engage in meaningful projects.

One significant initiative is the "LIBRARY ADVANCEMENT AND REVITALIZATION FOR COLLABORATIVE LEARNING" (LAARC) project, under the Special Interest Group on Humanitarian Technology (SIGHT). This project, focused on the Kanaka Public Library in Paniely, Kerala, aims to transform it into a digital resource center by addressing challenges like outdated infrastructure and a lack of digital resources.

The branch leaders turned this concept into reality, securing a \$3,216 grant and forming a dedicated team over two-and-a-half years. Their efforts are enhancing the community's future by improving the library's infrastructure and offering educational opportunities. The project coordinators' financial acumen ensures the effective use of funds, reflecting the branch's commitment to humanity.

LAARC goes beyond technological advancements, embodying a vision of education and community engagement. The digitalization of the library and the creation of a communal space highlight the branch's dedication to making a meaningful societal impact. The

leadership and emotional investment of the project coordinators make them key figures in this transformative initiative.

River Rejuvenation

Adi Shankara Institute of Engineering and Technology (ASIET) has been actively involved in river rejuvenation initiatives, focusing on restoring and preserving local water bodies. The institute's students and faculty collaborated on projects aimed at cleaning and revitalizing rivers, addressing pollution, and improving water quality. These activities often included community engagement, where ASIET volunteers educated local residents on sustainable practices and the importance of maintaining clean waterways. Through these efforts, ASIET has contributed to environmental conservation and raised awareness about the critical need for protecting natural resources.

MAPPATHON

MAPPATHON KERALAM is an initiative undertaken by Kerala State IT Mission (KSITM).

CONCEPT: "Making Our Own Map"

KSITM has collaborated with the selected engineering colleges falling under Kerala Technological University, for carrying out open street mapping and ward boundary mapping. As a first step one-week training was given to a batch of students as internship. After completion of internship interested students can opt one panchayat to complete the mapping of assets in open street Map. NSS volunteers of Adi Sahnkara institute of Engineering and Technology, Kalady Completed the mapping of following Panchayat

1.Sreemoolanagaram

2.Kanjoor

3.Kalady

4.Ayyampuzha

5.Koppam

Project Ganitham

The NSS Unit of Adi Sahnkara Institute of Engineering and Technology is participating in a one-month long event called 'Project Ganitham 3.0 organised by INSIGHT FOUNDATION since 2022. The programme helped the volunteers to bring out their true potential in teaching. The volunteers are handling basic mathematics online classes, for young kids belonging to the 8th, 9th and 10 grades. The sessions were from 7:00 p. m. to 8:00 p.m. on weekdays and from 4:00 p. M. to 7:00 p.m. on sundays. The volunteers also made sure that the young minds had an opportunity for their personal development by organising talks and quizzes in between the sessions.

Tourism Club Kerala

Tourism Club Kerala is the nodal agency formed by the Department of Tourism, Government of Kerala to nurture and develop young ambassadors of Kerala Tourism by forming clubs in colleges across the state. It will pave the way for new tourism trends and create interest in travel among students.

Tourism in Kerala is going through a significant phase of growth and development after the global pandemic of Covid 19. The sustained efforts of the Department of Tourism over a period of several years have played a crucial role in achieving this momentum and direction through improved infrastructure and better publicity.

Going by the traditional Indian concept of 'Atithi Devo Bhava', our intention should be 'to receive a guest and send back a friend'. Tourism and the hospitality industry can achieve this standard only with the cooperation and wholehearted patronage of a willing community.

Youths are the assets of the nation and the most dynamic segment of the population in any country. Therefore, it is essential to educate and elevate young minds towards the richness of tourism in a state like Kerala. It is to establish this idea that the Department of Tourism has decided to set up Tourism clubs in Kerala by collaborating with the State's Higher Education Department and moulding college students as ambassadors of Tourism.

Tourism Club mainly focuses on tourism promotion and development through the student community. The aim of the Tourism Club is "CAPACITY BUILDING THROUGH RESPONSIBLE SERVICE". Through these clubs, the youth can explore the endless possibilities and opportunities to improve not just their soft skills but apply their ideas to develop a responsible tourism network.

Tourism club not only uplifts the travel and hospitality sector but also helps expand the parameters of the student community in contributing to the tourism department of the state. It would help the students in imbibing a hands-on experience rather than asserting the theoretical definitions of developments. It would also help them in securing financial independence and become self-sufficient from a young age.

The tourism clubs would be a rewarding experience for the student community as it develops their social interaction skills and expose them to limitless opportunities which would directly help them in framing their career and higher education.



SELF STUDY REPORT

FOR
1st CYCLE OF ACCREDITATION

ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

VIDYA BHARATHI NAGAR, MATTOOR ROAD, KALADY, ERNAKULAM
683574
www.adishankara.ac.in

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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The **Adi Shankara Institute of Engineering & Technology (ASIET)** was established in the year 2001 with an aim to provide **value-added technical and management education** with a flair for **professional excellence rooted in ethical values**. Under the aegis of the **Sringeri Mutt**, the institute is run by the **Adi Sankara Trust** with a legacy of running multiple educational institutions like **Sree Sankara College, Sree Sarada (Sanik) School, Adi Sankara Training College, Sree Sarada Special School and DDU Kaushal Kendra** for more than **50 years**.

With the benign blessings of **H.H. Sri. Sri. Bharati Tirtha Mahasannidhanam** and **H.H. Sri Sri Vidhushekhar Bharati Sannidhanam**, the institute believes in adopting a proactive approach for the overall development of the students, fostering **Innovation** and **Excellence** under its **Green Canopy**.

Affiliated to APJ Abdul Kalam Technological University (APJAKTU), Kerala and recognised by AICTE, ASIET offers Under Graduate (B.Tech) programs in Civil Engineering (CE), Computer Science and Engineering (CSE), Computer Science and Engineering (Artificial Intelligence) (CS(AI)), Computer Science and Engineering (Data Science) (CS(DS)), Electronics and Biomedical Engineering (EB), Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE), Mechanical Engineering (ME) and Robotics and Automation (RA). We also offer **MBA, MCA, M.Tech** in VLSI & Embedded Systems, Communication Engineering, Power Electronics & Power Systems and Computer Science & Engineering in addition to **Ph.D** programs in both Technology and Management.

ASIET was the **First self-financing technical education centre in Kerala to be awarded the ISO 9001:2008 certification**. Currently, all the **5 eligible UG programs; CSE, ECE, EEE and ME (Since 2018) and CE (Since 2024) are accredited by the NBA**

Last year, a fund of **Rs. 2.98 Crores** was granted by **Ministry of Electronics and Information Technology, Govt. of India**, for a collaborative project with CMET, Kerala.

In recognition of the exemplary initiatives, Our NSS Unit and the Program Officer received the President's National Award for the year 2020-21. One of our student volunteers attended the last Republic Day parade at New Delhi with the NSS Contingent.

In 2005 and 2010 Hon. President of India, Dr. APJ Abdul Kalam, visited our Campus.

Vision

Adi Shankara Institute of Engineering & Technology commenced its journey on **August 31, 2001**, under the affiliation of MG University, Kottayam, Kerala welcoming 180 students across four undergraduate programs: Computer Science and Engineering (CSE), Information Technology (IT), Electrical & Electronics Engineering (EEE), and Electronics & Communication Engineering (ECE). The institution was established with a **Crisp and Clear Vision**.

- To emerge as a Centre of Excellence in Engineering, Technology and Management by imparting quality education, focussing on empowerment and innovation.

Upholding the vision, we expanded our horizons by adding more programs catering more students, in the subsequent years of our journey. Adi Shankara Business School (MBA in 2004), Applied Electronics & Instrumentation (AEI in 2005), Mechanical Engineering (ME in 2006), and Civil Engineering (CE in 2012) was started. In 2020, B.Tech programs in Computer Science and Engineering (Artificial Intelligence) and Robotics & Automation, were introduced. Further extending the spread of our wings, B.Tech programs in Electronics and Biomedical Engineering (2021), Computer Science and Engineering with a specialization in Data Science (2022) and Master of Computer Applications (MCA, 2022) was also started. In between, 4 M.Tech Programs and Ph.D programs were also launched increasing their accessibility to students and promoting Higher Education.

Mission

Fostering the Vision of the Institute, Our Mission is to:

- Impart quality professional education for total upliftment of the society.
- Create congenial academic ambience that kindles innovative thinking and research.
- Mould competent professionals who are socially committed and responsible citizens.

In this line, our Industry collaborations with **Infosys** began in 2006, followed by **TCS** in 2008 and **Google** recognized ASIET as an **Institute Partner in 2014** promoting innovation under the upgraded academic ambiance.

In 2015, the institute launched the **APJ Abdul Kalam Innovation Award** and **Adi Shankara Young Scientist Award** in 2016, to promote professional knowledge and education in the society.

Developmental activities, Collaborations outside the campus and the establishment of the ASAP Skill Development Centre, IEDC and a Technology Business Incubation (TBI) Centre give ample opportunities for our students to get trained and streamlined into competent professionals.

We are also in the forefront of social and environmental activities instilling values and developing committed citizens for the future.

To endorse the Vision and Mission of the Institute we follow the following Quality Policies.

- We are committed to the total upliftment of the society by imparting quality professional education.
- We aim at moulding totally competent professionals with ingenuity, adaptability, social commitment and ethical and spiritual values by creating a congenial academic ambience that kindles innovative thinking.
- We continually upgrade our Quality Management System through empowerment and involvement.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- **Leadership and Acceptance**
 - The institute is **guided and mentored** by **Visionary leaders** of high repute and plenty of experience. Their directives and **support in activities are exemplary**. The academic ambiance and institutional values are **well accepted and created a brand image in the society** over the years, making it a prime choice for the engineering aspirants.
 - Encouragement and Active Support from **Alumni and PTA**
- **Accreditations and Rankings**
 - All the eligible UG programs are accredited by the **National Board of Accreditation**, New Delhi. 5 UG Programs {CSE, ECE, EEE & ME (since 2018) and CE (since 2024)} are NBA accredited.
 - ASIET was adjudged as the **Band Performer in ARIIA ranking** in 2022.
 - Participation in other ranking and accreditation process is always encouraged.
- **Excellent placement records with active Training and placement cell**
- **Research and Consultancy culture**
- **Heterogeneous student community promoting Gender Equity**
 - Includes students from varied culture and ethnicities all over the country with students with their roots from other states like Jammu and Kashmir, Punjab, Chhattisgarh etc.
- **Well-functioning library and well-equipped laboratories**
- **Scholarship to meritorious students** by college management
- **Serene Academic Environment fostering overall development of students**
 - Follows **Choice-based credit and semester** system
 - Effective faculty **advisor and mentoring** system
 - **Conducive peaceful environment** for learners with ample facilities
 - **Dedicated Faculty** with qualification and experience
 - **Well established TBI and MSME incubation centre**
 - Service-minded **non-teaching staff**
 - **Wi-Fi connected campus with surveillance cameras** at strategic points
 - Separate Hostel facilities for ladies and Gents
- **Beyond Class Room Engagements**
 - **Vibrant NSS units winning state and national awards**
 - **Very active Chapters of Professional Bodies and Societies**
 - Flagship National techno cultural festival - **BRAHMA**
 - **Extension and Outreach** activities serving Society
- **Green Campus Initiatives**
 - **Eco-friendly campus with a vast Green Canopy**
 - Nature and Energy conservation initiatives like;
 - **Solar Power Plant**
 - **Rain water Harvesting**
 - **Waste Management System**
 - **Green and Energy Audits**
- **Very well connected** by air, road and rail

Institutional Weakness

- **Industrial collaboration and revenue generation** to be improved.

- Major **funding** from venture capitalists to be improved.
- Lack of foreign exchange program.
- **Lack of Autonomy** - The lack of autonomy considerably hinders the institute's ability to engage in the development of curriculum incorporating newer technologies and advancements in engineering and timely revisions. This limits the opportunities for the institute to adapt with the dynamically evolving educational landscape around the world.
- **Pan India Admission** to be improved.

Institutional Opportunity

- To develop as a Technological University
- High reputation and social acceptance
- Capitalise on the Government's start-up policy for further development
- Industrial exposure and tie-ups
- Embark on the Fast-changing technology.
- Encouragement and support from Alumni Community
- Collaborative Research with National and International Organization
- Exchange programs
- Funded/sponsored projects at National and International levels
- Revenue generation through consultancy
- Proximity to Airport, Industrial Capital of the state – Cochin.

Institutional Challenge

- Transforming ourselves into a Centre of Excellence.
- As an affiliated institution, the ability to offer advanced courses is restricted.
- Brain drains of professional talents.
- Declining number of good research aspirants.
- Retention of competent faculty members.
- Attitudinal and behavioural problems of students
- Core Company's placement is to be improved
- Shortage of good scholars opting for the teaching profession.
- Filing patents and high-quality research publications
- Developing a creative and innovative research culture
- Twinning Programs
- Implementation of National Education Policy (N.E.P 2020)

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Adi Shankara Institute of Engineering and Technology, affiliated to APJ Abdul Kalam Technological University, **adheres to the University curriculum, syllabi and academic calendar. The institute follows Outcome Based Education incorporating Ethics, Gender Equity, Human Values, Environmental aspects and Sustainability into the Curriculum.**

Internal Quality Assurance Cell (IQAC), with the support of the **Department Advisory Boards and Programme Assessment Committees** ensures the developments and sustenance of the Institution. IQAC plans the **Institute Academic Calendar**, in line with the University's **Calendar**. Faculty members are actively involved in the **curricular design of the university** as members of various **Boards of Studies** of the university.

LMS platforms accessible for students and parents, Continuous Assessments, **Audits, Surveys/Feedbacks** etc. ensures the effectiveness of the teaching-learning process.

During the assessment period 2018-2023:

5963 students successfully completed 178 certificate/value-added courses/MOOCs, benefitting 59.29% of students.

1361 students (65.06%) engaged in Project/Internship/Industrial Visits during the academic year 2022-23.

In addition to **Pedagogical and ICT-enabled instructional approaches** for effective curriculum delivery, extra care for **Slow learners, internships, and value added/skill development courses** offered etc. prepare our students for the future. Participation in inter/intra institute activities like **seminars, workshops, paper presentations, technical fests** etc. also adds to this.

Activities of Clubs/Cells/Professional Bodies instil moral values and virtues in stakeholders along with enhancement of domain knowledge. **IPR** cell promotes professional ethics, encourages respect for original work and fosters a culture of innovation and research integrity. **Gender equality** is also ensured through the involvement of various cells and committees.

Institution promotes sustainable practices like **rainwater harvesting, green campus, waste management and installation of a solar power plant** to enhance commitment on preservation of nature; reducing the carbon footprint. Courses like **Introduction to Sustainable Engineering, Disaster Management, Environment Health and Safety** etc., adds awareness on conservation and sustainable development among students.

Activities like 'Tree plantation' and 'Clean India - Swach Bharat Campaign', Awareness sessions, seminars, field visit, nature camps, cleanliness drives etc., of clubs like "Boomithrasena" and the **energy and green audits** instil interest in **nature-conservation**.

A **transparent feedback mechanism** and disseminating the reports in the institute website is also practiced at ASIET.

Teaching-learning and Evaluation

ASIET practices **Outcome-Based Education (OBE)** defining and assessing **learning outcomes** to encompass the broader institutional culture, benefiting all stakeholders.

Key highlights are:

- **Project based learning** focusing on societal issues
- **Industry supported/Research laboratories** and **Internships** fostering comprehensive development of students and staff members.
- **School outreach programmes** as content beyond classroom learning.
- **Value added courses**, participation in **funded projects**, journal **publication** and application for patents etc. develop esteem and self confidence in the students
- **Creative undertakings beyond the scope of academic coursework** such as “Punarjani”, “Amrit Sarovar - Jal Dharohar Samrakshan”, Road Surveys, “Rebuild Kerala” initiatives, “River Rejuvenation”, “Vidhyuth”, “Jyothirgamaya”, Market Surveys, Energy audit, Water quality Testing, Equipment repairing & Wiring.
- **Participative learning** encouraged through **IEEE, IEDC, Dept. Associations and other cells/clubs** activities which include seminars, **workshops, Interactive sessions by experts, Exhibitions and contests** etc.
- **Simulation assignments, MOOC courses, Seminars and Group Discussions, Field visits & Industrial Visits.**
- Participation in **National Innovation Contest, Smart India Hackathon, Professional Society Events, Project Expos, Gamathon, etc.**
- **Projects in collaboration with industry and academia** helps to acquire practical knowledge through interaction with industrialists/scientists.
- Active involvement in Covid-19 projects and flood relief/rehabilitation activities.
- **Fair academic evaluations and assessments in line with University Regulations.**
- Time-bound and efficient **Grievance Redressal System** and special consideration for Divyangs.

Quantitative Metrics:

- Enrolment percentage: 71.3%
- Reserved seats filled: 31.56 %
- Student-Teacher Ratio: 15.49:1
- Full-time teachers: 100% of sanctioned posts
- Full-time teachers with Ph.D. Or higher: 22.68%
- Pass percentage: 84.26%

The POs and COs are formulated in line with the standards and disseminated among the stakeholders. Effective approaches to **assess and monitor student performance**, through the **attainment of POs and COs**, are practiced prioritising **Continuous improvement**. **Course Delivery Manuals** serve as a comprehensive guide for instructors. **Grouping of courses under Streams** helps to plan activities accommodating **content beyond syllabus**.

Course committees and Advisory committees serve as a **platform for the students** to discuss progress and concerns and effective corrective actions can be planned.

Research, Innovations and Extension

With utmost priority for research and extension activities, **Centre for Innovation, Incubation and Entrepreneurship (CIIE)** spread over a carpet area of 10000 sq.ft, integrating the **IEDC, TBI** etc. elevates the

entrepreneurial ecosystem. The state-of-the-art **FAB Lab, Research Cell, IIC and IPR Cell** add value to the centre.

We embed **Values and Traditional Indian Knowledge** with engineering to promote the **Indian Knowledge System (IKS)**. Our **ASDA** offers online courses incorporating **Natya Shastra, Vastu Shastra, Vedic Mathematics, Yoga** etc.

NSS, Ranger Rover unit of Hindustan Scout and Guides and forums/activities like **Home for Homeless, Vidyuth, Punarjani, Paristhithikam, Urjjakiran**, etc. undertake **Community Engagement, Extension and Outreach** activities, addressing key social issues.

Project Ganitham - Support given for government school students in mathematics, **Career Guidance classes** and **Entrance coaching sessions** for higher secondary students, **Uddyotana** – Training program for Teachers etc. adds our **commitment in building future generations**.

ASIET has adopted **7 neighbourhood villages (NSS - 2 and under Unnat Bharat Abhiyan - 5)** for the **rural development initiatives**.

ASIET's Covid interventions like, **COVID care website** and our own developed **Adi Shankara Jeeva Vaayu - A range of Medical Ventilators** etc., were much appreciated. We were in the forefront of the **relief activities** during the **2018 Kerala Floods**.

Our blood donation camps also received recognitions for **most in numbers**.

We promote **collaborative activities** with various **Academic Institutions and other Organisations** of high repute.

During the assessment period the major accomplishments are:

- **Funds to the tune of 38.64 lakhs** have been received for the **37 R&D projects**. Adding to this the faculty's scholarly output is reflected in the **publications**.
- **52 workshops, seminars, and conferences (International and National)** etc. were organised to **foster research, innovation, entrepreneurship and IPR**.
- **113 Extension and Outreach programmes**.
- **43 collaborations** were initiated.

In recognition, ASIET has received **51 awards and appreciations** including the **prestigious President's NSS National Award for the Best Programme Officer and Best NSS Unit in India** for the year 2020-2021.

Infrastructure and Learning Resources

Spanning over **10 acres**, with a built-up area of **69784 m²**, ASIET aims at creating a **serene environment for blended/hybrid learning** leading to academic excellence.

Major infrastructure facilities include

- **Digital Classrooms with Interactive Boards, LCD Projectors, Smart screens, ICT facilities, LMS and**

ERP Platforms, Virtual Lab.

- Optical Fiber Cable connected LAN and 85 Wi-Fi access points provide seamless internet connectivity throughout the campus.
- 76 laboratories including Hi-Tech labs, Fablab and the Central Computing facility.
- 13 High performing Workstations
- 860 computers with automatically upgraded Microsoft OS under Microsoft Campus Licensing Agreement.
- 64 printers/scanners
- Energy management system incorporating 35 UPS systems and 2 generators and the Solar power plant
- Comprehensive CCTV coverage with 74 IP cameras for security
- Central library with 38146 volumes covering 14093 titles and 97 journals, 15 computers and seating of 120.
- Knimbus platform, ILMS using KOHA, OPAC and Bar coding
- Subscriptions to EBSCO, Turnitin, National Digital Library and e-journals.
- Dedicated section on Indian Knowledge systems.
- Two Auditoriums, 7 seminar halls, two conference halls and a board room.
- Badminton, Basketball, Volleyball, Football and Cricket courts adding to other indoor games and gymnasium.
- Facilities aligned with the Hon. PM's Fit India movement and Yoga for Well-being.
- Common facilities include Canteen, Bank, ATM, reprographic centre, store, medical clinic, sick room, biometric attendance for staff, ramps, parking facilities and wheel chair for Divyangs, adequate fire and safety mechanism.
- Nineteen college buses covering 4 districts to commute staff and students and an ambulance
- Centralized valuation camp of the APJ AKT University
- IEDC and TBI fostering innovation with 10 active startups currently.
- Adequate Waste management systems and rainwater harvesting
- 'ZOOM webinar' platform for hosting online sessions/ webinars/ meetings/ conferences etc. with a capacity of almost 1000 participants.

During the assessment years:

- Expenditures for infrastructure development was 21.85% while 30.73% was for maintenance.
- Student computer ratio of 3:1 (for latest completed academic year)

Student Support and Progression

We maintain an all-inclusive approach toward student support. We provide scholarships on merit cum means basis and actively support students for financial aids through schemes of public/private agencies. We always keep vigil on arranging skill enhancement trainings and proper career guidance to make our students ready for the industry. The transparent grievance redressal mechanisms, avenues for extracurricular and alumni engagements also make ASIET exceptional.

During the assessment period (2018-2023):

- 72.42% of the students (7283 out of 10056) benefited from scholarships. The amount distributed sums to a marvellous figure of Rs.21,64,76,576/-.

- **60.09%** of final year students secured **placements** in reputed organisations **or pursued higher education** with an overall **success rate** of **15.75%**, in state/national/international competitive exams.
- **60.12%** of students took advantage of the guidance for competitive examinations and career counselling offered by the Institution
- **Constant and continuous** encouragement from the intuition helped our students to win **33 accolades** in **sports and cultural events** with representation in **41.6 programs per year** on an average.
- **136 capacity building and skill enhancement initiatives** were arranged, with due emphasis on **Soft Skills, Life Skills, ICT and Language and Communication** etc. The “**Skill India**” campaign by the Hon. PM, and the roll out NEP, has provided further momentum for these activities.

We value **Alumni** as an integral part in our success. The college has a registered **Alumni association - AAKASHIEN (Alumni Association of Kalady Adi Shankara Institute of Engineering and Technology)** with around **7,000 members** and a **corpus fund of Rs. 67 lakhs**. Contributions of **Alumni Association** are not limited to **annual awards, financial supports and sponsorships** for programs and campus upgrades. Alumni also share insights as **resource persons** and facilitate **internship opportunities, bridging Industry-Academia gap**. **Annual and Decennial gatherings** along with active participation in institutional events elevates the interactions to higher levels.

We also follow a **transparent and time bound mechanism for grievance redressal**, aligning with guidelines of statutory/regulatory bodies/agencies.

Governance, Leadership and Management

Under the governance of **Adi Sankara Trust**, and gracious blessings of **Sringeri Mutt**, ASIET emphasizes on **decentralization and participative management** through the following councils who look after the progress and development of the institution with clearly defined Vision, Mission and Objectives.

- **Governing Body**
- **Management Council**
- **College Council**
- **Internal Quality Assurance Cell**
- **Academic Council**

This fosters a **distributed governance system** with enhanced efficiency and **accountability**. Administrative responsibilities at ASIET are **decentralized, with department heads and functional committees** which are entrusted with specific roles.

In addition, the **representatives of staff and student** act as members of appropriate cells like:

- **Anti-Ragging Committee**
- **Grievance Redressal Cell**
- **Industry-Institute Partnership Cell**
- **Institute Innovation Cell**
- **Women Empowerment Cell**

ASIET upholds Indian culture and heritage through events like “**Thyagaraja Aradhana** - a classical rendition of famous **Pancharatna Kritis**” and “**Brahma** – a showcase of classical music and dance forms”. Furthermore,

ASIET's **Adi Shankara Digital Academy (ASDA)** platform offers online courses in **Vastu Shastra, Vedic Mathematics, and Yoga**. These courses cater to both internal and external participants, aiming to extend educational reach and provide opportunities for upskilling rooted in **traditional Indian knowledge**.

The institute follows a **4 stage Performance Appraisal System** for both teaching and non-teaching staff. **Welfare of teaching and non-teaching staff** is always a prime concern in addition to the avenues provided for career development through study leaves, its **IEDC, IIC IPR Cell** etc.

- **307 faculty members (41.57%)** benefited from the **financial support** system during the assessment years.
- **439 Faculty and 27 Nonteaching staff members (51.21%)** attended **developmental programs**

Institution promotes the **mobilization of resources** from various source through **collaborations** and projects with **proper auditing** on the utilization.

At ASIET, **IQAC** takes a lead role in **planning, reviewing and implementing strategies**. We always **encourage external as well as internal audits/feedbacks**, which serve as a self-diagnostic tool and provide valuable inputs in the path ahead. Approved **policies** are disseminated among the stakeholders and **practiced impartially without any discrimination**.

The approved **strategic plan serves as the decree** of the ultimate goals of the institution in the future.

Institutional Values and Best Practices

ASIET promises **equal opportunities** for all establishing an **ambience of gender equity** through **guest lectures, seminars, workshops, awareness campaigns**, etc. under the guidance of following **forums** with a **fair representation of Women**:

- **Gender Equity Cell**
- **Women Empowerment Cell**
- **Grievance Redressal Committees**
- **Anti Ragging Cell**
- **Internal Complaints Committee**

Policies fostering **Gender Equity, Grievance Redressal, Human Value & Professional Ethics** and **Anti Ragging** etc. ensure the inclusiveness of all, right from admission.

- **Safety and Security** is ensured with the **Surveillance Camera Networks, Security and Vehicle Pass System**.
- Advanced **firewall** system to enhance protection against cyber threats and unauthorized access, ensures the **safety of data and information**.
- **Counselling and Mentoring** services clubbed with the **ICC, Anti-Ragging and Discipline Committees**. **Prompt & timely interventions** safeguard the well-being and rights of stakeholders.
- Affordable **transportation facilities** and **separate hostel facilities** also add to the efforts.
- **Brahma** - our iconic annual **techno cultural fest** is well participated by **students from various states**.
- Thus students are **sensitized to cultural, regional, linguistic, communal, and socio-economic diversities**, fostering a spirit of understanding and cooperation in community.

- Every year, the **Arts festival, Onam, Christmas, and Navratri festivals** are celebrated highlighting **moral and ethical values**, bringing students together promoting communal diversity.
- **Students admitted** to various programs from **all over the country**; ensures the regional and ethnic diversity.
- **College Magazine and Newsletters** promotes linguistic diversity

With **Solar Power Plant, Proper Waste Management, other Green initiatives and Audits** we aim at a **Sustainable Development**. We try to maintain the natural habitat by **preserving trees during the constructions and infrastructure developments**.

ASIET was in the fore front of the **relief activities** during **Floods in 2018 and Covid Pandemic**.

We strive hard to **Excel in Innovation, Incubation, and Entrepreneurship** and **Foster Professional Growth and Student Excellence** through the activities of our cells and Professional Society Chapters.

Moulding Professionals with Social Commitment by Empowering Communities and Protecting the Environment is targeted through the **Extension and Outreach** activities of the institute mainly under the leadership of **NSS units**; paving our way to excellence.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	Vidya Bharathi Nagar, Mattoor Road, Kalady, Ernakulam
City	ERNAKULAM
State	Kerala
Pin	683574
Website	www.adishankara.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	M S Murali	0484-2463825	9871561711	-	info@adishankara.a c.in
IQAC / CIQA coordinator	Bobby Mathews C	0484-2466066	9446472170	-	bobby.ec@adishan kara.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Kerala	A.P.J. Abdul Kalam Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Appraisal details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	21-06-2023	12	

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Vidya Bharathi Nagar, Mattoor Road, Kalady, Ernakulam	Rural	10	69784

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Electronics And Communication Engineering, Electronics and Communication Engineering	48	XII Std	English	100	84
UG	BTech,Electrical And Electronics Engineering, Electrical and Electronics Engineering	48	XII Std	English	63	45
UG	BTech,Computer Science And Engineering, Computer Science and Engineering	48	XII Std	English	198	194
UG	BTech,Mechanical Engineering,Mechanical Engineering	48	XII Std	English	63	31
UG	BTech,Civil Engineering, Civil Engineering	48	XII Std	English	63	25
UG	BTech,Robotics And Automation,Robotics and Automation Engineering	48	XII Std	English	66	46
UG	BTech,Electr	48	XII Std	English	63	56

Self Study Report of ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

	onics And Biomedical Engineering,Electronics and Biomedical Engineering					
UG	BTech,Artificial Intelligence And Data Science,Computer Science and Engineering Artificial Intelligence	48	XII Std	English	66	64
UG	BTech,Artificial Intelligence And Data Science,Computer Science and Engineering Data Science	48	XII Std	English	32	28
PG	Mtech,Electronics And Communication Engineering,VLSI and Embedded Systems	24	B Tech	English	18	0
PG	Mtech,Electronics And Communication Engineering,Communication Engineering	24	B Tech	English	18	0
PG	Mtech,Electrical And Electronics Engineering,Power Electronics	24	B Tech	English	18	2

Self Study Report of ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

	and Power Systems					
PG	Mtech,Computer Science And Engineering,Computer Science and Engineering	24	B Tech	English	18	2
PG	MBA,Adi Shankara Business School,Business Administration	24	UG	English	120	85
PG	MCA,Computer Application,Computer Application	24	UG	English	60	24
Doctoral (Ph.D)	PhD or DPhil ,Electronics And Communication Engineering,	60	PG	English	16	8
Doctoral (Ph.D)	PhD or DPhil ,Electrical And Electronics Engineering,	60	PG	English	12	0
Doctoral (Ph.D)	PhD or DPhil ,Computer Science And Engineering,	60	PG	English	8	1
Doctoral (Ph.D)	PhD or DPhil ,Mechanical Engineering,	60	PG	English	6	0
Doctoral (Ph.D)	PhD or DPhil ,Electronics And Biomedical Engineering,	60	PG	English	4	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	6				25				104			
Recruited	6	0	0	6	15	10	0	25	32	72	0	104
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				61
Recruited	39	22	0	61
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				35
Recruited	14	21	0	35
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	6	0	0	12	6	0	2	1	0	27
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	32	76	0	108
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?		Male	Female	Others
2		0	0	2

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Self Study Report of ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	235	1	44	0	280
	Female	201	0	37	0	238
	Others	0	0	0	0	0
PG	Male	24	0	0	0	24
	Female	45	0	0	0	45
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	1	0	0	0	1
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	5	1	3	1
	Female	4	1	7	4
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	31	17	32	19
	Female	48	13	38	33
	Others	0	0	0	0
General	Male	230	240	239	210
	Female	269	283	261	221
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		587	555	580	488

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Our Institution has the vision of setting a benchmark for providing quality technical education in the field of Engineering and Technology. Through the collaborative approach of teaching-learning, Innovation, and Research the Institute transforms itself into a holistic multidisciplinary institution. The Institution is keen on promoting a multidisciplinary approach among the students' community thereby facilitating the young minds to solve day-to-day societal problems through NSS and other student chapters. STEM (Science Technology Engineering and Mathematics) has been actively inculcated in a lot of student activities for integrating humanities and Science with STEM. It develops a multidisciplinary
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	<p>approach among students by applying the concepts of Science, Engineering, and Mathematics. We conduct the Young Scientist Award and APJ Abdul Kalam Innovation Challenge to enable STEM concepts among students. Mathematics Club organizes various competitions, seminars/talks, and exhibitions in this regard. We regularly organize project exhibitions to inculcate the STEM approach in the Teaching learning process. Being an affiliated Institution, we follow the curriculum and syllabi offered by APJ Abdul Kalam Technological University, Kerala. The University offers non-credit mandatory courses that emphasize safety, health, environment, sustainable engineering, the constitution of India, life skills, and Disaster Management towards the attainment of holistic and multidisciplinary education. The Institution is planning to offer a multidisciplinary flexible curriculum that enables multiple entries and exits at the end of 1st, the 2nd, and 3rd years of undergraduate education, once it becomes autonomous. The Institution has taken the necessary steps to become an autonomous Institution shortly. The Institution has different research labs like the Center for Antenna Design, Bioinformatics Research Lab, Data Analytics Research Lab, Multimedia Research Lab, IOT Innovation Lab, Advanced Resource Center for Information Security and Embedded Systems Lab (ARISE Lab), Advanced Communication Lab, Computational Research facility, Renewable energy Lab, Cyber forensic Research lab and many more to meet today's challenge and provide solutions in multidisciplinary research areas. We conduct project exhibitions and Hackathons to encourage multidisciplinary research aptitude among students.</p>
2. Academic bank of credits (ABC):	<p>Kerala Technological University is undergoing the transition process of implementing the NEP, and there is readiness and institutional preparedness from ASIET to welcome the ABC system. Our students have created Digi Locker accounts, which will allow them to seamlessly integrate with the ABC platform in the future. Through our associations with SWAYAM and NPTEL, students can enroll in credit-awarding courses that align with their academic programs. Faculty members are also encouraged to register for these courses, which are considered equivalent to Faculty Development Programs (FDPs).</p>

	<p>Students can earn credits through NPTEL courses towards their minor and honor degrees, providing them with multidisciplinary exposure. Our institution maintains an active NPTEL local chapter to monitor and support these initiatives. We actively encourage our faculty members to participate in the preparation of syllabi, course materials, textbooks, and educational videos. Additionally, we promote digital and online learning across multidisciplinary domains through the Adi Shankara Digital Academy (ASDA), inaugurated by the Honorable Vice President of India, Sri Venkaiah Naidu. ASDA offers technical courses as well as courses on Yoga, Vastu Shastra, Natyashastra, Kayaking, and more.</p>
3. Skill development:	<p>We have established over 20 active MOUs with industries and organizations to provide skill-based training, internships, seminars, expert talks, field visits, and project opportunities for both students and faculty. Various skill development courses are integrated into our curriculum, leveraging the framework provided by the Institution Innovation Council (IIC) and the Innovation and Entrepreneurship Development Cell (IEDC). These initiatives ignite entrepreneurial zeal among students by offering comprehensive training on various aspects of entrepreneurship. Our participation and consistent high rankings in IIC and ARIIA underscore our commitment to fostering innovation and entrepreneurship within our institution.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>As an affiliated institution, we offer non-credit mandatory courses that focus on Professional Ethics, the Constitution of India, Life Skills, and Sustainable Engineering. We emphasize a bilingual mode of instruction, particularly during tutorial sessions, lab sessions, and remedial classes, to enhance comprehension and accessibility for all students. The ASIET library proudly houses a collection of books on the teachings of Adi Shankaracharya and Sanskrit literature under the Shankara Sara Sangraha (Shankara Corner). Our institution regularly organizes Thyagaraja Aradhana (recitation of Pancharatna Kritis) and dedicates a day to performing classical art forms, promoting Indian culture and traditions during our annual national techno cultural event Brahma. National and regional festivals, along with days of significance, are celebrated on campus to foster cultural awareness and unity. During the</p>

	celebration of Azaadi Ka Amrit Mahotsav, we have conducted a series of talks on Viksit Bharat, highlighting our commitment to the nation's progress and development.
5. Focus on Outcome based education (OBE):	Our institution has been rigorously implementing Outcome-Based Education (OBE) in teaching, learning, evaluation, and continuous improvement. Our B.Tech programs in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, and Civil Engineering are proudly accredited by the National Board of Accreditation (NBA). As an affiliated institution, ASIET is committed to adhere to the curriculum and Programme Outcomes established by Kerala Technological University. Several of our faculty members actively contribute to the university's Board of Studies, playing key roles in designing curricula for their respective programs. The Internal Quality Assurance Cell (IQAC) is dedicated to facilitating the seamless integration and execution of OBE within the institute. The Department Advisory Board (DAB) and Program Assessment Committee (PAC) meticulously review the entire process, providing periodic recommendations for enhancement. We place significant emphasis on equipping our faculty with the necessary support to familiarize students with the intricacies of OBE, ensuring a comprehensive and effective educational experience.
6. Distance education/online education:	Our institute is registered as a SWAYAM and NPTEL local chapter, providing opportunities for students to earn extra credit specializations. Additionally, we have implemented virtual labs for many of our laboratory courses through our partnership with the Virtual Lab at NIT Surathkal. We incorporate various innovative teaching methodologies, such as experiential learning, flipped classrooms, and blended learning, to effectively deliver our curriculum. These approaches ensure a more engaging and comprehensive educational experience for our students.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, the Electoral Literacy Club (ELC) was established at Adi Shankara Institute of Engineering and Technology in 2023. It plays a vital role in educating students about their electoral rights and responsibilities, as well as promoting the values and principles of parliamentary democracy. This education is essential for fostering an engaged, informed, and active citizenry.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, the faculty coordinators and student coordinators are appointed by the college. Prof. Kiran K S, Assistant Professor in the Mechanical Engineering Department, and Prof. Ashna Mohan, Assistant Professor in the Electrical and Electronic Engineering Department, serve as the faculty coordinators. Electoral Literacy Clubs (ELCs) at Adi Shankara accurately reflect the diversity and composition of the student body they serve. It includes members from various backgrounds, perspectives, and demographics, ensuring that the club's activities and initiatives are inclusive and representative of the entire student population. The students take the lead in organizing and conducting various activities. The club provides a platform for students, including those from NSS and HSG Cadets, to take on leadership roles, plan events, and engage their peers in understanding their electoral rights and responsibilities, thereby promoting the values of parliamentary democracy.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	The Electoral Literacy Club (ELC) at Adi Shankara Institute of Engineering and Technology (ASIET) has undertaken several innovative programs to enhance electoral participation and awareness, demonstrating a commitment to promoting democratic values and inclusive voter participation. The ELC of ASIET, in collaboration with the District Administration Ernakulam, NSS, and Hindustan Scout and Guide, organized a comprehensive "Voters Awareness Program" aimed at enlightening students about the significance of active participation in the electoral process. This included live training sessions on the Voting Machine and VVPAT Machine, as well as conducting mock elections and SVEEP Ambassador selections. Additionally, the club organized a one-day campaign program titled "Mere Pahla Vote, Desh Ke Liye". The primary objectives of the campaign were to promote electoral literacy among first year and

	<p>second-year students, facilitate the pledge-taking ceremony for voting, and raise awareness about the pivotal role of voters in a democratic nation. The club actively collaborates with the district administration for various voter awareness interaction programs with the public and participates in quizzes, debates, and other activities. These initiatives underscore the club's proactive and inclusive approach to fostering a strong culture of democratic participation.</p>
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	<p>In collaboration with the NSS unit of ASIET, we conduct awareness drives to help students and public to understand their electoral rights and responsibilities, thereby promoting the values of parliamentary democracy. These drives include workshops, seminars, and interactive sessions with electoral experts. Additionally, in collaboration with the District Administration of Ernakulam, our volunteers participated in various election campaign activities. The college actively creates and disseminates educational content on electoral processes, voter rights, and democratic values. This includes brochures, and social media campaigns designed to reach a broad audience. The institute collaborates with local government bodies, NGOs, and other institutions to promote electoral literacy and participation. These collaborations often result in joint initiatives and programs that have a wider reach and impact. The college hosts workshops and training sessions on the use of voting machines and VVPAT machines, ensuring that students and the community are familiar with the voting technology and processes. Through these initiatives, ASIET actively contributes to the advancement of democratic values and increased participation in electoral processes, reinforcing its role as a socially responsible institution.</p>
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	<p>Over 95% of students at ASIET aged 18 and above are registered on the voter list. Thanks to the proactive efforts of the ELC club, this led to a 100% voter turnout among eligible voters in the nearby Lok Sabha election of 2024.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
2092	2029	1976	1949	2010
File Description		Document		
Upload Supporting Document		View Document		
Institutional data in prescribed format		View Document		

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 127

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
127	139	145	147	166

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
705.31	512.56	300.32	522.04	483.83

Self Study Report of ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

File Description	Document
Upload Supporting Document	<u>View Document</u>

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Adi Shankara Institute of Engineering and Technology, affiliated to APJ Abdul Kalam Technological University, **strictly adheres to the University curriculum, syllabi and academic calendar.**

The Institute follows **Outcome Based Education (OBE)**, with assessment parameters: **Program Outcomes (POs), Program Specific Outcomes(PSOs) and Program Educational Objectives (PEOs).**

Internal Quality Assurance Cell (IQAC) ensures curriculum planning, delivery, assessments, and quality improvement and sustenance of academic and administrative activities of the Institution with the support of the **Department Advisory Board (DAB) and Programme Assessment Committee (PAC).**

Curriculum Planning

- **Institute Academic Calendar**, incorporating **curricular, co-curricular, and extracurricular activities**, aligned with **University's Academic Calendar**, is **prepared by IQAC** and is approved by the **Academic Council**. Subsequently, Department calendars are prepared and disseminated.
- **The Master Timetable** is prepared by the **Timetable Committee** and gets the approval of the Academic Council.
- The courses are divided into **Streams headed by Stream Coordinator**.
- Following the **course allocation** by the HOD, based on subject expertise/preference of faculty, **Course Delivery Manual (CDM)** prepared by course instructor (CI) is verified by Stream Coordinator and approved by Academic Head/Dept., IQAC coordinator and HOD.
- **Course Outcomes (CO)** for the courses are defined by CIs in line with the syllabus and curriculum and mapped to POs and PSOs on a '3-point scale'.
- **Value-added/certificate courses and training programs on content beyond syllabus** are planned, offered and mapped into CO/PO.
- **Faculty members** are actively involved in the **curricular design of the university** as members of various **Boards of Studies** of the university.

Implementation

- Conventional teaching methodologies and **ICT-enabled instructional approaches** like **Google Classroom, LMS platforms, SWAYAM/NPTEL/MOOC courses, and virtual labs**, ensure effective curriculum delivery.
- **Pedagogical approaches** like **group discussions, tutorial sessions, seminars, industry**

projects, internships, and bridge courses are integrated into the curriculum.

- Participation in inter-intra-institute activities like **expert lectures, workshops, paper presentations, technical fests, and internships** are encouraged among the students.
- CI maintains the **subject file** with academic timetable, CDM, course materials, previous question papers, samples of learning activities, and internal assessment sheets
- The course content, delivery and assessment are **documented in the LMS Platform**.
- **Slow learners** receive support through remedial classes, peer group learning, university exam preparatory classes, and notes.
- **Audits by HOD, IQAC, and University** in addition to **Class/Course Committees, Advisory Meetings, and Surveys** monitor the effectiveness of the teaching-learning process.

Continuous Internal Assessment

- The **Academic Calendar** outlines the **schedule for the Internal Assessment Tests**.
- The **Internal Exam Cell** ensures the proper conduct and quality of internal tests.
- The stream coordinator and HOD **review and approve** two sets of question papers prepared in the pattern of university question papers by the CI, following **Bloom's Taxonomy**. The final set is selected by HOD.
- Student progress reports are accessible through the **LMS platform** used.
- The **Internal Exam Grievance Redressal Cell** ensures that the examination related grievances are resolved promptly.
- **Assignments, Tutorials, Course Projects, daily performance evaluation and other Learning Activities** along with **Attendance and Internal Assessment Tests** contribute to continuous internal assessment as per the guidelines of the university.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 178

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 59.3

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1392	1151	1013	1343	1064

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

Being a KTU affiliated institution, programmes adhere to a set of curriculum that integrates **crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability** to enhance the learning environment. ASIET promotes activities based on these aspects in addition to the professional growth of students.

Professional Ethics

- Courses like **Constitution of India, Life Skill & Professional Ethics** empowers students in fundamental rights, skills and values needed in professional careers.
- All staffs and students follow **Institutional Values and Ethical practices**.
- **IPR cell** promotes **professional ethics, encourages respect for original work and fosters a culture of innovation and research integrity**.
- Plagiarism checks while publication and dissertation ensures academic integrity among the faculties and students.
- College organizes **seminars and workshops** in **Cyber Security, Ethical Hacking, Intellectual property rights** promoting **ethical conduct**.

Gender Equality

- In ASIET, all faculty and students are ensured equal access to resources and equal opportunities for participation in events.
- Committees like **Grievance Redressal Committee, Internal Complaint Committee, Discipline Committee and Anti-ragging Cell** ensure a safe, secure working environment for all.
- **Fair representation** of both **genders** in **college council, union, course/class committees, placement drives** etc., is ensured.
- IEEE affinity group - **IEEE WIE**, inspires women engineers to follow their academic interests in engineering and science.
- The **Women Empowerment Cell** at ASIET organizes programs to educate women about opportunities, health and legal aspects.
- The **Gender and Equity Cell** fosters **gender equality** by advocating for **equal rights, opportunities**, and awareness within the institution and broader community.
- Separate hostel facilities are provided for male and female students.

Human Value

- **Blood donation camps, visiting old age homes, narcotic awareness classes, cleaning drives** organized enhance **social responsibility** in students.
- **Universal Human Values Cell** organizes programmes instilling **Values and Ethics** among the students and faculty.
- **Hindustan Scout and Guide (HSG) unit** strives to develop the **inherent potential** of the students through **community service activities**.
- Students are supported and motivated to **undertake project works** focusing human values and prepare them to be **responsible for society**.
- ASIET's initiatives like "**VIDHYUTH**" - **Electrification of impoverished households** in the nearby communities, "**Home for Homeless**", **Volunteering in relief and rehabilitation activities during flood and covid pandemic**, has helped in **instilling human values** among its stakeholders.

- Observing national days of importance fosters the **values of citizenship, patriotism, service, and brotherhood**

Environment and Sustainability

- Courses like **Introduction to Sustainable Engineering, Disaster Management and Environment Health and Safety** make students aware of the factors affecting the society and ecosystem.
- Awareness sessions, seminars, field visit, nature camps, cleanliness drives etc., of “**Boomithrasena**” instill interest in **nature-conservation**.
- Institution also performs **energy audits and green audits**.
- Institute promotes student ideas that turn scientific discoveries into practical applications to bring **sustainable benefits to society**.
- Activities like ‘**Tree plantation**’ and ‘**Clean India - Swach Bharat Campaign**’ sensitize the students on **environment and sustainability**
- Institution promotes sustainable practices like **rainwater harvesting, green campus, waste management and installation of a solar power plant** to enhance **commitment on preservation of nature; reducing the carbon footprint**.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 65.06

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 1361

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from

various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 71.27

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
587	555	580	488	561

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
852	792	792	696	756

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list as published by the HEI and endorsed by the competent authority	View Document
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 31.56

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
88	32	80	57	52

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
209	197	197	182	194

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

**Student – Full time Teacher Ratio
(Data for the latest completed academic year)**

Response: 16.47

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

ASIET prioritizes **student-centric approaches**, enhancing the learning experience through **hybrid learning**, integrating **ICT-enabled education** with **conventional classroom techniques**, aligning with the **National Education Policy**. Faculty members adopt **cutting-edge pedagogical tools, methods and platforms** providing high-quality education.

Experiential Learning

- The knowledge and skills acquired in the classroom are applied during the courses like **Main projects, Mini projects, and Course projects**.
- **Project based learning** through Main, Mini and Course projects focus on societal issues, innovation and upskilling in line with **Prime Minister's "Skill India" vision**.
- **Industry supported/Research laboratories** provide hands-on experience in technical and research fields for students.
- **Internships** with different organizations improve students' preparedness for industry, exposure and comprehensive development.
- **School outreach programmes** are arranged as content beyond learning.
- **Value added courses** are being organized by student chapters and associations.
- **Laboratory courses** are made mandatory to enhance the students' skills and boost their confidence.
- Students are encouraged to participate actively in **funded projects, publish** their work in reputed journals, and apply for **patents**.
- **Creative undertaking beyond the scope of academic coursework** such as "Punarjani", "Amrit Sarovar - Jal Dharohar Samrakshan", Road Surveys, "Rebuild Kerala" initiatives, "River Rejuvenation", "Vidyudth", "Jyothirgamaya", Market Surveys, socially relevant innovative projects, Energy audit, Water quality Testing, GPS installation in school buses, Equipment repairing & Wiring at different organizations, mechanical waste utilization etc. are carried out.

Participative Learning

- **IEEE, CSI, IEDC, IIC, GDSC, Hack Club, FOSS cell, Tinkerhub, and Dept. Associations** of our institute organized seminars, **workshops, Interactive sessions** through which students developed their technical and entrepreneurial knowledge.
- **Exhibitions and contests** organized by our students as part of annual Technical Festival
- **Integrated Teaching and Learning includes Simulation assignments, MOOC courses, Seminars and Group Discussions** to encourage students to develop their critical thinking, problem-solving, and communication skills.
- **Field visits & Industrial Visits** help to experience real-world applications of the concepts they are learned in the classroom.
- **Expert Talk** by eminent industry experts are arranged to facilitate students to acquire real time knowledge in recent technologies.
- Students are motivated to participate in **National Innovation Contest, Smart India Hackathon, Professional Society Events, Project Expos, Gamathone, Value Added Courses, etc.** where students can explore their ideas and innovation towards awards and achievements.

Problem Solving Methodologies

- **Main projects, Mini projects, and Course projects**, prescribed in the curriculum ensures student involvement in innovative solutions to real-world problems.
- **Hackathons, Coding & Design contests** are arranged to test their coding skills and work on interesting real world challenges.
- **Project work in collaboration with industry** helps to acquire practical knowledge through interaction with industrialists/scientists.
- Students are motivated to publish their works in the **Journals/Conferences**.
- Students are encouraged to learn **Root Cause Analysis (RCS)** by active involvement in socially oriented projects in various engineering domains. The projects include **Water Body Conservation, Hybrid Energy Generation for Renewable Systems, Medical Robotics, Tidal Wave Variation Calendar and Landslide Prediction Systems** among others.
- The students were actively involved in Covid-19 projects during the pandemic.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 114.02

2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
127	127	127	127	127

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 22.93

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
37	38	34	30	27

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The mechanism of **internal and external assessment** at our institution is characterized by its **transparency and efficiency**, ensuring fair academic evaluations in line with **University regulations**. Additionally, our **grievance redressal system is both time-bound and efficient**, providing students with a reliable channel to address any assessment-related concerns or disputes.

Internal Assessment Mechanism

- The institution follows the university's **continuous internal evaluation (CIE)** system, for all courses.
- Internal evaluation comprises **internal assessment (IA) tests, assignments, module tests, and attendance** for Theory subjects, and **daily performance** in the lab, timely submission of **rough**

- and fair reports, viva sessions, and internal exams for practical subjects.** Students are informed of these evaluation criteria in advance during induction and class hours.
- The institution's IQAC prepares the semester institute calendar, incorporating internal evaluation dates and aligning with the university calendar.
 - The Internal assessment schedule is posted on **notice boards** and shared via WhatsApp groups in advance.
 - In **compliance with Bloom's Taxonomy**, the **instructor** prepares two sets of **question papers** and evaluation schemes.
 - The **exam cell**, in consultation with the **academic head and HOD**, selects the **final question paper**.
 - On test day, the exam cell distributes question papers through invigilators with the **Principal's consent**.
 - Faculty members **communicate the evaluation scheme to students before publishing the results..**
 - HODs ensure time bound valuation of **internal exam answer sheets**.
 - Students can personally **review their assessed answer scripts, promoting transparency and clarity.**
 - After resolving **student grievances** IA marks gets finalized .
 - The IA marks are disseminated to parents and students through **our ERP Platform**, and conducts periodic **PTA meetings** for student performance reviews.
 - Regular **internal audits and external audits by the University** ensure the transparency of the assessment process.

External Assessment Mechanism

- KTU conducts **semester-wise assessments** where students can register for exams through the university portal when notified.
- University-appointed **invigilators and observers** will monitor the exams.
- Answer scripts are evaluated at **various camps**, and evaluators submit marks in the **KTU portal**.
- Final results are **published on the portal** and can be accessed through the login.

Efficient Grievance Redressal System

A. College Level:

- Students dissatisfied with their assessment can request **re-evaluation** from the instructor. If unresolved, they can escalate to the HOD for further review.
- A student can request a **retest** getting approval from the Faculty Advisor and HoD for **genuine reasons**.
- **Physically challenged** students can request exam venue changes through their exam cell coordinator.
- Grievances that are still unsettled can be brought to the notice of **Internal Exam Grievance Redressal Cell**.
- Internal **grievances are resolved** within a time bound of two days.

B. University Level

- **Student Grievances Portal** meets **AICTE** requirements, offering online resolutions with

tracking.

- Malpractices are reported to the observer and university on the same day.
- If the examination has **out-of-syllabus** questions, representation can be given by students to the University.
- Faculty can **suggest evaluation scheme modifications** through email.
- Dissatisfied students can **apply for revaluation or request a scanned answer sheet for scrutiny**.
- The university aims to provide **timely solutions** to resolve issues, typically within one to two months.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

ASIET follows **Outcome-Based Education (OBE)** by defining and assessing **learning outcomes**, thereby ensuring a structured and effective learning experience for our students. The integration of POs, PSOs, and COs extends beyond course preparation, material delivery, and assessment to encompass the broader institutional culture, benefiting all stakeholders.

Formulation of Program Outcomes (PO) & Program Specific Outcomes (PSO)

- Our institution adheres to the **twelve Program Outcomes (PO)** outlined by the **National Board of Accreditation (NBA)** and formulates two to four discipline-specific **Program Specific Outcomes (PSOs)** for undergraduate programs.
- For **postgraduate engineering programs**, we implement the three general Program Outcomes established by the NBA.
- Furthermore, our **MBA and MCA** programs are aligned with the twelve Program Objectives defined by NBA for MBA program.

Formulation of Course Outcomes (CO)

The **university specifies the Course Outcomes (COs)** provided in the syllabus, serving as a reference for course instructors to define COs. **Course Outcomes (COs) framed by course instructors** using revised **Bloom's Taxonomy action verbs** are incorporated into the respective **Course Delivery Manuals (CDMs)** and reviewed by the Stream Coordinator, Academic Head, and Head of the

Department. Instructors are encouraged to raise, rather than lower, the taxonomy level provided by the university.

Dissemination of POs, PSOs and COs

ASIET has implemented measures to **effectively disseminate the COs, POs and PSOs among all stakeholders of the institution.** This initiative aims to ensure comprehensive understanding among stakeholders regarding student expectations, enable educators to tailor their instructional approaches accordingly, and provide stakeholders with insights into the proficiency levels achieved by graduates.

A. Dissemination of POs and PSOs

- POs and PSOs are displayed in the **institute website, main corridors, entrances** and the notice board in ASIET.
- POs & PSOs are displayed in common areas including **seminar halls, auditoriums, laboratories and classrooms.**
- **HoD and Faculty Advisor** explains POs & PSOs to the students in the **Orientation and Advisory Committee meetings.**
- **Course Instructors** explain COs and its mappings to various POs and PSOs in the class.

B. Dissemination of Course Outcomes:

- In the preliminary sessions of every course, **the course instructor** explains the COs of the course.
- COs are written in the **course diary** to remind the faculty member of the expected outcomes.
- COs are **entered in LMS** and is available for faculties to view
- COs are **clearly indicated for every question in Internal Examination Question Papers** of all courses.
- Internal examination evaluation sheets display COs along with marks scored for each question

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

At ASIET, effective approaches to **assess and monitor student performance**, as well as the **evaluation of the attainment of POs and COs**, are practiced as part of **Outcome-Based Education**. **Continuous improvement** is prioritized through corrective measures if the desired outcomes are not met.

Assessment Process

1. Curriculum planning: - The Course Instructor (CI) formulates Course Outcomes (COs), CO-PO/PSO mapping, teaching-learning strategies, and assessment methods to evaluate each COs based on university syllabus and gaps identified from the analysis of CO and PO attainment in the previous academic year. This planning process is then reviewed and approved by Stream Coordinator, IQAC Head, Academic Head, and Head of the Department.

2. Implementation and Evaluation: - The planned assessment methods are executed by the CI, and the marks obtained for each CO are meticulously tabulated, employing Bloom's Taxonomy verbs.

3. CO Assessment Process: -

- **Target Level (TL) and Attainment Level (AL):** To establish TL and AL for IAs, learning activities, and university results, subjects are categorized into three groups. The Program Assessment Committee (PAC) sets TL and AL based on previous attainment, university results, difficulty, and other factors. If the CO is attained, AL increases in the following year to promote continuous improvement. If not, AL remains the same, and assessment plans are modified. Once AL reaches a saturation point, PAC modifies TL while maintaining the baseline AL.
- **CO attainment calculation:** The attainment of each CO is obtained by combining 80% of direct attainment and 20% of indirect attainment.
- **Direct Attainment:** Direct Attainment of CO is calculated with a weightage of 60% from internal assessments and 40% from University Exams. For internal assessments and university exams, CO attainment value is calculated based on, percentage of students attaining the set target. For example:

- If minimum 70 % of students scored the set target, attainment =3
- If minimum 60 % of students scored the set target, attainment =2
- If minimum 50 % of students scored the set target, attainment =1
- Otherwise, attainment = 0

- **Indirect attainment:** The indirect attainment is calculated from Course Exit Survey, which includes questions that cover all CO attainment levels.

4. PO -PSO assessment Process

- Initially, the Target Level for POs and Program PSOs is set by the respective PAC.
- **Direct PO-PSO attainment** for all curriculum courses and add on courses are tabulated.
- **Indirect PO/PSO attainment** is calculated from the Program Exit Survey/Employer Surveys or combination of similar surveys conducted upon program completion
- The Final attainment of PO/PSO = **80% of Direct attainment + 20% of Indirect attainment**
- At the end of each academic year, the attained PO/PSO levels are compared with targets. The PAC meetings assess the program's progress, set new target levels, and initiate action plans for continuous improvement of attainment for future student batches.
- The identified gaps and initiated action plans are discussed in the **Department Advisory**

Committee meetings and revised based on their feedback.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 84.3

2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
375	431	450	517	455

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
512	554	521	554	502

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.79

File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 38.64

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
9.78728	2.09500	17.45500	5.90000	3.40000

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS),including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

The entrepreneurial drive and intellectual assets, centered on **innovation, intellectual property rights (IPR), and the Indian Knowledge System**, are showcased through numerous endeavors at various levels through vibrant cells and initiatives.

Centre for Innovation, Incubation and Entrepreneurship (CIIE), around 10000 sq.ft., consisting of **Fabrication Lab, Innovation and Entrepreneurship Development Centre (IEDC) and Technology Business Incubator (TBI)**, elevates entrepreneurial journeys. **Institution's Innovation Council (IIC)** fosters **research and innovation** culture among students and faculty. The **IPR Cell**, at ASIET plays a crucial role in fostering innovation and protecting the intellectual assets created within the institution.

- Over the past five years, more than **25 patents** have been published as a result of establishing an **IPR cell and registering in the Kapila Initiative by the Ministry of Innovation Cell**.

- **IEDC**, established in 2015, kindles **innovation and the entrepreneurial ecosystem** on campus. The Kerala Startup Mission selected ASIET's IEDC Bootcamp as the **best among the 216 IEDCs in the state in 2016, 2017, and 2018**. Additionally, ASIET received the **Entrepreneurship Enabler Award** in 2018.
- IEDC, with **Pre-incubation, Incubation and acceleration programs** offered to students and alumni, boasts a proven track enriched with **12 startups and more than 20 commercialized products**.
- In 2019, the **Kerala State Industrial Development Corporation (KSIDC)** sanctioned a **Business Incubation Centre**, which was subsequently recognized as an **MSME Business Incubation Centre by the Government of India** in 2021.
- The **Kerala Startup Mission** recognized ASIET's IEDC as a **Technology Business Incubator (TBI)**.
- In 2023, ASIET received the **LEAP** recognition from the Kerala Startup Mission.
- ASIET was recognized as a '**Band Performer**' in the **Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2021**.
- The **Institution's Innovation Council (IIC)** at ASIET received a **rating of 3.5** out of 5 stars for the IIC calendar year 2020-21.
- **ASIET FABLAB, a state-of-the-art initiative**, is designed to support faculty and students in converting innovative ideas into tangible products.
- Utilizing the research facilities, various **Consultancy Services** are offered to governmental and non-governmental organizations.

Promoting Indian Knowledge System (IKS)

- ASIET strives to integrate **IKS with modern engineering science** to provide students with a holistic educational journey rooted in values and traditional knowledge.
- To uphold **Indian culture and heritage**, ASIET involves faculty and students in a range of activities like "**Thyagaraja Aradhana**," featuring recitals of Pancharatna Kritis, performances showcasing **classical music and dance forms** of India, as integral parts of **annual National Techno-Cultural Festival "Brahma."**
- The **ASDA** (The Adi Shankara Digital Academy) platform, launched by the **Honourable Vice President of India, Sri M Venkaiah Naidu**, in 2021, catering to all, offers online courses in **Vastu Shastra, Vedic Mathematics, and Yoga**. ASDA aims to utilize its learning platform to extend its reach to students and graduates, providing opportunities for upskilling and empowering them with **knowledge rooted in traditional Indian culture**

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 52

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
12	9	10	7	14

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.64

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
5	23	32	15	6

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.51

3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
18	8	23	14	2

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

ASIET has impactful **community engagement** activities in the **neighborhood**, addressing key social issues and fostering social responsibility among students and faculty, thereby creating an ecosystem for **holistic development**.

ASIET received **51 awards**, including, Prestigious **National President Award for Best NSS Programme Officer & Unit for 2020-21**, presented by President Smt. Droupadi Murmu at Rashtrapati Bhawan on September 24, 2022.

The institution's extension activities are led by two units of the **National Service Scheme (NSS)**, **Ranger Rover unit of Hindustan Scout and Guides**, **Unnat Bharat Abhiyan (UBA)**, **Swachh Bharat Abhiyan**, **Ek Bharat Shreshtha Bharat**, and other clubs including,

- **BIS standards:** To sensitize on Indian Standards
- **Red Ribbon:** Creating Awareness on AIDS
- **Bhoomithra Sena:** Promoting environmental protection activities
- **Tourism:** To promote Tourism
- **Bhoomi:** Social Service Activities
- **Asaad Sena:** Promoting awareness against Drug abuse.
- **Road Safety:** Creating awareness of Road safety.

The **major extension activities** executed are

- “**Home for Homeless**”- Building houses for the needy.
- “**Vidhyuth**”- Free electricity to 105 households since 2013.
- “**Punarjjanii**”- Renovation of hospital equipment worth 1.5 crore.
- “**Paristhithikam**”- Nature Awareness program funded by **Directorate of Environment and Climate Change., Government of Kerala**
- “**Urjjakiran**”- Energy Awareness programs funded by **EMC Government of Kerala**.
- Project focusing on **air quality monitoring, flood alert systems, and distributing drinking water**; funded with **2.9 crores** by **MeitY, Government of India**.
- “**Baltemgyrate**” project to assist individuals with Parkinson’s disease
- Adopted **five villages** under the **Unnat Bharat Abhiyan** for rural development initiatives. Additionally, the NSS unit **adopted two more villages** for similar rural development efforts.
- **Flood Relief Centre**- 2018-19 floods.
- **Kaithangu**- flood relief material dispensation.
- “**Rapid Visual Survey**”- Inspection of damaged premises during the 2018 flood.
- **Rebuild Kerala Survey**- Assessment of damaged houses for District administration
- “**Do for Kerala**”- flood relief materials for nearby districts.
- **Green Protocol Implementation** for District Administration.

Activities during Covid 19 pandemic:

- Donated three refrigerators to First line treatment center and sanitizer units to Angamaly

railway station

- Awareness classes on corona precaution and prevention
- Developed ASIET's COVID care website to support COVID-19 activities.
- “Adi Shankara Jeeva Vaayu”- Developed a range of medical ventilators. Hon'ble Minister, V.S.Sunilkumar transferred it to General Hospital, Ernakulam.

Outreach Activities

- **Uddyotana**– For Higher Secondary Mathematics Teachers.
- **Mappathon**- Mapping of assets of 5 panchayats to the OSM map.
- **Career Guidance classes and Entrance coaching** for higher secondary students.
- **River rejuvenation project**, association with water resource department.
- **Consultancy** to Kochi metro.
- **Distributing lunch packets** to old-age homes.

NSS extension activities of Adi Shankara

- Awareness programs- **Anti-drug, No Tobacco Day**.
- **Water Quality testing** for houses in Kalady panchayat.
- **Coastal clean-up campaign**.
- **One student-One book campaign** - Distributed notebooks, bags, and study materials to flood zones.
- LED bulb-making training- **Kudumbasree** members.
- **Urjjakiran Rally and Signature campaign** in association with EMC, Kerala.
- Observation of Autistic Pride Day with **mentally challenged and old people** at care homes.
- Conducted **blood donation camps, medical camps, eye testing camps, and stem cell donation registration camps**.
- Volunteered **Jeevika 2022**, in coordination with **Nehru Yuval Kendra**.
- **Project Ganitham**- Support government school students in mathematics.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2**Awards and recognitions received for extension activities from government / government recognised bodies****Response:**

ASIET received **51 awards and recognitions** for its extension activities from government and recognized authorities.

September 24, 2022, ASIET's MT. Sri. K. Anand and NSS Programme Officer Prof. Sijo George were honored by Hon'ble President Smt. Droupadi Murmu with awards for Best NSS Programme Officer and Best NSS Unit in India for 2020-2021.

SL NO	Awards/Certificate of appreciation	Governmental/non-governmental
2022-2023		
1	Achievement Certificate for coordinating project-Ganitham	Kerala State NSS cell(Govt.)
2	Appreciation Certificate for organizing a voluntary Blood Donation Camp	KSRTC(Govt.)
3	Appreciation certificate for coordinating District Level Quiz Competition	Kerala State Excise Department(KSED)(Govt.)
4	Appreciation certificate in IEDC Summit	Kerala start-up Mission(Govt.)
5	Certificate of recognizing IEDC as a TBI	
6	IAS CMD Outstanding Member Award	IEEE Kerala Section(Non-Govt.)
7	Regional Exemplary Student Branch Award.	
8	Outstanding Student Volunteer award.	
2021-2022		
9	Appreciation for organizing State Level ENERGY CELL Annual Meet.	APJ Abdul Kalam Technological University(APJAKTU)(Govt.)
10	Best NSS volunteer award	
11	Best regional Coordinator of ‘Rudhirasena’	
12	Regular Blood Donor award	Terumo Penpol Pvt Ltd(Non Govt.)
13	Appreciation in District level competition Sparsham-21	Dept. of Higher-Education and KSED(Govt.)
14	Appreciation certificate for the service as coordinator to Covid Warriors	Kerala State NSS Cell(Govt.)
15	Appreciation certificate for organizing the maximum number of blood camps	APJAKTU NSS Cell(Govt.)
16	Appreciation certificate for exemplary service as COVID warrior cell	Dept. of Higher-Education (Govt.)
17	Appreciation Certificate for coordinating the virtual IEDC SUMMIT	Kerala Start-up Mission(Govt.)

18	Outstanding Branch Counsellor Award	IEEE(Non-Govt.)
19	Regional Exemplary Student Branch Award.	
20	Achievement Certificate for securing Overall Champion-Gold in Orion-2.0	
21	Outstanding Student Humanitarian Volunteer Award	
22	Outstanding Student Volunteer award	
2020-2021		
23	Appreciation Certificate to NSS unit	District Suchithwa-mission, Ernakulam(Govt.)
24	Best NSS program officer award	APJAKTU NSS Cell(Govt.)
25	Best NSS Volunteer award	
26	Best NSS unit award	
27	Best NSS unit Award	Dept. of Higher-Education(Govt.)
28	Best NSS Volunteer award	
29	Best NSS program officer	
30	National award for best NSS unit	Govt. of India
31	National award for Best NSS Programme Officer	
32	Featured in mygov.gov page as a best practice	
33	Appreciation for Innovative project	International Chamber for Service Industry(Non-Govt.)
34	Regional Exemplary Award 2020	IEEE(Non-Govt.)
2019-2020		
35	Best NSS unit award	Dept. of Higher-Education(Govt.)
36	Best NSS program Officer award	
37	Best NSS volunteer award	Kerala State NSS Cell(Govt.)
38	NSC Social Service Award	NSC(Non-Govt.)
39	Top Performer Award in FAB challenge	Kerala-Start-up- Mission(Govt.)
40	Outstanding Volunteer Award	IEEE(Non-Govt.)
2018-2019		
41	Best NSS unit award	Kerala State NSS Cell(Govt.)
42	Best NSS program Officer award	
43	Best NSS Volunteer award	
44	Best Swatch-Bharath Intern Award	
45	Appreciation for Punarjani	
46	Appreciation Certificate for	HK Mission(Govt.)

	green protocol implementation	
47	Appreciation Certificate for promoting 'Financial Inclusion' Scheme	Postal department(Govt.)
48	Certificate of completion of AQMS product	ITI(Govt.)
49	Entrepreneurship Enabler Award	Kerala-Start-up-Mission(Govt.)
50	Secured third position in Tech4seva	Kerala Agricultural University(Govt.)
51	Outstanding Student Volunteer Award	IEEE(Non-Govt.)

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 76

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
14	12	10	17	23

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 43

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The ASIET's campus spans 10 acres, featuring built-up area of 69784 sq.m. ASIET's utmost priority is on establishing, maintaining, and enhancing **infrastructure** for academic excellence. The classrooms are equipped with **ICT facilities** with **LMS, Virtual Lab** and innovative platforms to implement blended/hybrid learning methodologies for **effective teaching learning**.

Aligned with the Honorable **PM's Fit India movement and Yoga for Well-being** initiative, ASIET promotes health and mental well-being of inmates by offering state-of-the-art facilities for **yoga, sports, games, and physical health** activities

Classrooms Facilities:

- 100% classrooms are ICT-enabled with Wi- Fi internet connection and are well supported with projectors/interactive smart panels/LMS
- 85 Wi-Fi access points with 1GBps internet leased line support
- 75 LCD Projectors, 12 Smart Panels, 6 LED TV and 2 smart TV.
- ERP&LMS- Etlab & Linways
- 2 Conference Halls and a Board room for meetings and group activity
- 6 Seminar Halls, 2 Auditoriums among one is Open air

Laboratories: **76** laboratories(UG and PG) with state-of-the-art modern equipment and facilities for academic and research activities for all departments.

Virtual Lab: Ranked NO.1 Nodal center for Virtual Labs under NMEICT in Kerala

Computing Facility:

- Computers: 860
- Laser Printers and scanners: 64
- Internet Connectivity: 1 Gbps
- Back up Line: 100Mbps
- Internet Security: Fortigate 200F Firewall
- UPS facility for all Laboratories

Library:

- Reading area: 743 sq m
- Digital Library: 15 Computers with Internet and Knimbus Platform, Language Lab facility.
- Turnitin Plagiarism Software.
- Automation: KOHA and Bar coding
- Journals: 97
- E book: EBSCO
- E Journals: Carpet Area: 929 sq m.
- IEEE, ASME, JST, JSSH, DELNET, Science Direct.
- Access to National Digital Library, Shodh Sindhu and Shodh Ganga.
- Facilities for Divyangjan

Facilities for Cultural Activities:

- Open-air Auditorium with 1400 people seating
- ICT-enabled auditorium accommodating 400 individuals
- Main seminar hall with capacity of 280 attendees

Facilities for Yoga :

- Open air auditorium for daily Yoga Practice
- College auditorium for Sessions and observing Yoga Day

Availability of Sports Facilities:

- Badminton, Basketball and volleyball courts
- Cricket practicing nets
- Football ground
- Fully equipped gymnasium
- Indoor games facilities like Carrom board and chess board

Transportation Facility: The College offers **19** buses covering **4** districts to commute staffs and students.

Centralized valuation camp: The institute serves as the venue for centralized valuation camp, catering to nearby colleges affiliated with APJKTU, offering facilities.

Facilities for innovation, incubation and entrepreneurship:

- ASIET FAB LAB
- IEDC and Technology Business Incubation Center has currently incubated 10 startups founded by our alumni

Divyangan Facilities

- Ramps, Parking Facility, Wheel Chair

Other Facilities

- Canteen , Cafeteria
- Bank , ATM
- Reprographic center
- Central Stationery store facility
- Sick rooms
- Administrative Office and Corporate office
- Public Addressing System
- Parking facility for staff and students
- Facilities for professional body activities, student chapters and union

Upskilling Facilities

- Adi Shankara Digital Academy
- Adi Shankara Skill Kendra
- Placement and Training Cell

Waste Management Facilities

- Bin Composting Unit
- STP
- Incinerators

Energy Management Facilities

- Solar Power Plant
- Diesel Power Plant
- Substation

Water Resource Management Facilities

- Bore wells
- Rainwater Harvesting Unit and Water storage tanks
- Water Coolers-6
- Purifiers-21

Safety Facilities

- CCTV
- Fire Extinguisher

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 32.4

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
269.27	107.68	29.43	113.77	297.57

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource**4.2.1**

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

The Central Library stands as a leader in digital advancement, featuring an **automated system** powered by ILMS. By offering extensive **subscriptions to e-resources and journals**, the library meets the varied needs of the inmates. Spanning across 929 square meters in the main academic block over two floors, the library offers a **tranquil environment for learning and research**. With seating for up to 120 individuals, ensuring ample space to explore the resources.

Features of the ASIET central library:

Carpet area	: 929.03 sq.m.
Area designated for reading	: 743.224 sq.m.
No. of staffs	: 4
No. of staff with a degree in library management	: 3
Total Number of Volumes	: 38170
Total No.of Titles	: 14148
Computerization for search indexing, issue return records	: KOHA

By 2017, the library was automated by using **KOHA**, version 22.11.03.000. Leveraging its features for book circulation, gate register management, and an **Online Public Access Catalog (OPAC)** system, now the library operates with enhanced efficiency.

Enhancing Academic Resources: ASIET's Central Library **Subscribes E-Resources and OER Access** and offers an array of e-resources aimed at enriching reference materials in the fields of science, technology, and management studies. With **IP-enabled access to e-books** and various e-resources such as,

- IEEE ASPP by IEEE
- EBSCOHOST
- ASME
- JGatePlus (for Engineering and Management studies).
- DELNET
- Membership in National Digital Library of India (NDLI)
- DSPACE (version 1.7.0)
- KNIMBUS
- TURNITIN

Enhancing Learning Resources at ASIET Central Library

- The library is entrusted by a proficient Librarian, tasked with strategic planning, procurement of books, and ensuring the library's upkeep.
- Book acquisitions are tailored to meet the specific needs of various departments in alignment with the prescribed curriculum of their respective courses.
- The formation of a **Library Advisory Committee (LAC)**, comprising the Principal, Librarian, and other staff members, by conducting the regular meetings the committee fosters the efficient working of the library.

Curating Special Collections

Sankara Collections: ASIET Library boasts a dedicated compilation of 216 books of the philosophies of Sri Shankaracharya. This Corner promotes integration of traditional Indian philosophical insights into academics, incorporating the goals of NEP 2020 to integrate India's rich knowledge systems. The

Sankara collection of Scholarly books and articles inculcate the human values by transmitting the tradition and culture towards the students and teachers without fading the value of **Indian Knowledge System**. ASIET offers **Divyangjan** facilities, the Indian Sign Language (ISL) Dictionary, National Accessible Library membership, JAWS talking screen reader, and WhitePrint journals, designed to improve communication, accessibility, and inclusion for disabled citizens. Library houses Focus Zone (for competitive examinations) and Linguistic Haven (for foreign language training), Reference Section and Digital Library.

Library Utilization Monitoring System

Monthly and yearly reports, generated through the library management system, provide insights into library usage, including:

- **Tracking** gate register readings.
- Recording daily borrowing and returning activities of materials by inmates via KOHA
- Evaluating the average utilization of electronic resources accessible through E resources

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

The institution updates its **IT facilities** to meet the modern requirements through latest innovative technologies and follows IT policy and E-governance policy to improve the **effectiveness of IT infrastructure**, the **E Governance policy** provides transparency across all departments.

- There are **860 computer systems available** in labs, HOD rooms, departments, and offices, with 777 for students and 83 for staff.
- Classrooms are equipped with **LCD projectors and Wi-Fi facilities** where faculty can use the technology for efficient learning.
- In 2022-2023, the institution possessed a total of **51 printers**, including 3 color printers. However, the count has hiked to 64 printers.
- **Video conferencing facilities** are available in seminar halls of respective departments.

- The campus has a **Central Computing Centre with 144 desktop computer systems** provided exclusively for general activities like internet browsing, coding, data entry, and online examinations.
- The institution has **74 IP cameras** placed in classrooms and corridors, which can be monitored from Principal's cabin, exam cell, security cabin, and NOC room.
- **Reprographic services** are provided in the campus.
- Provisions for **cashless transactions** are made available for fee payments.

Internet & Wi-Fi Facility

- The institution ensures ample **internet bandwidth, with a capacity of 1 Gbps** by Asianet.
- Internet access is available in all classrooms, laboratories, offices, departments, and hostels via **Wi-Fi and high-speed connectivity** is provided through Ethernet/optical cable LAN services.
- ASIET has a **hybrid network topology of ring and star**. 23 nos of L2 manageable switches are used for Network segregation(LAN,Wifi and CCTV)
- **Microsoft Campus Licensing Agreement** governs the operating system of all computer systems in campus hence, all the computer systems inside campus are automatically upgraded to latest operating system versions released by Microsoft.
- **ERP system LINWAYS** was introduced in 2017 as part of up-gradation including admission, attendance marking, TC generation, fee payment, resource booking, conduct of examination, hostel administration, purchase and accounting modules. Currently ASIET makes use of ETLAB.
- **Biometric system** is enabled for automated attendance recording of staff.
- The institution utilizes the '**ZOOM webinar**' platform for hosting webinars with a capacity of almost 1000 participants.
- The institution maintains its own active **YouTube channels, social media handles, and newsletters**.
- Institution has developed '**VEMP**' for online event management and event conduction where multiple events/ programs can be coordinated simultaneously without any disruption.

Digitization of Library

- ASIET's fully **automated library**, utilizes **KOHA** to provide a user-friendly interface for searching documents and monitoring their status of issuance.
- In order to ensure safety and security of data, a **licensed Fortigate firewall** with web and application filters are used.

Internet Connectivity

Internet Connection	
Service Provider	Asianet
Bandwidth	1 Gbps (1:1 Leased Line)

Other Facility

- ASIET has **13 workstations and 85 wi-fi access points** located at different departments.
- A **Hi-Tech lab** with **TV AUDIO SYSTEM** and **SPEAKER** is available for conducting various expert talks.
- All computer laboratories are equipped with a **UPS Backup** of 30-minute. Additionally, the campus has 35 UPS installations and two diesel generators (160 KVA and 100 KVA) to

guarantee continuous power supply.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 2.69

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 777

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 12.29

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
88.72	51.51	31.64	81.75	56.61

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 72.42

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1566	1837	1480	1278	1122

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	View Document
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	View Document
Upload policy document of the HEI for award of scholarship and freeships.	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

- 1. Soft skills**
- 2. Language and communication skills**
- 3. Life skills (Yoga, physical fitness, health and hygiene)**
- 4. ICT/computing skills**

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 60.3

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1659	995	963	1372	1075

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1. Implementation of guidelines of statutory/regulatory bodies**
- 2. Organisation wide awareness and undertakings on policies with zero tolerance**
- 3. Mechanisms for submission of online/offline students' grievances**
- 4. Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 60.1

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
209	280	280	301	269

5.2.1.2 Number of outgoing students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
375	431	450	517	455

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 15.75

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2022-23	2021-22	2020-21	2019-20	2018-19
32	39	27	24	18

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 19

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
13	1	3	2	0

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 25.2

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
29	20	30	21	26

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

AAKASHIEN (Alumni Association of Kalady Adi Shankara Institute of Engineering and Technology)

The college has **registered Alumni association, AAKASHIEN** with registration number 127/IV/2023. It provides, interface for establishing a link between the alumni, staff, and students of ASIET. The association encourages alumni to participate in and contribute to academic and non-academic activities, and provide financial support to the college.

Fledging and Growth

- The Alumni Association of ASIET had a modest beginning in 2005-2006 and registered in 2023. It now counts more than **7,000 alumni members**.
- Every year, an **alumni meet** with large participation is held in the college in the month of April/May.
- For 2005 to 2009 batch graduates of the institute, a **decennial celebration** was organized in June 2019, and for 2010 to 2012 batch graduates, it was conducted in July 2022.
- Alumni stay connected with the institute through social media platforms like LinkedIn, Facebook, Instagram, and Twitter, enabling direct communication, networking, and community building with their alma mater and fellow graduates.

Contribution to the Alma mater:

The alumni support us both financially and non-financially.

FINANCIAL CONTRIBUTIONS:

The Alumni have created a corpus fund of **Rs. 50 lakhs**, the interest of which is being utilized for various activities in the college.

The Alumni Association has contributed a sum of **Rs. 30,19,382** over the last five years (2018-2023).

- **Empowering Education and Innovation:** The Alumni Association initiated a **scholarship**

program under which selected **projects will be awarded Rs. 30,000 per year**, benefiting students from all departments. Additionally, the Alumni contributed **Rs. 3.5 lakhs** for the National Level Techno-cultural Fest “Brahma” and “Gamethon”

- **Assistance in times of crisis** - During the flood of 2018, the Alumni supported ASIET students, staff and the public by donating **Rs. 3 lakhs**.
- **Infrastructural upgradation** - In 2022, the **Alumni** donated **Rs. 10 lakhs** for the **centralized Robotics lab facility**.

NON-FINANCIAL CONTRIBUTIONS:

1. **Associating with Internships and Project works**:-Alumni serve as valuable resources and mentors, supporting students in gaining practical experience and developing skills through internships and project work.
2. **Career and placement support**:- Alumni offer industry insights, share personal experiences, and provide guidance on navigating the job market. They offer recruitment tips, facilitate connections with employers, and introduce job opportunities.
3. **Alumni-led Innovation Ecosystem**:- Alumni who have founded startups deliver **guest lectures** to share their stories and challenges with students, fostering an **innovation ecosystem** within our institution.
4. **Bridging Industry-Academia gap**:-The institute maintains a robust Alumni feedback system focused on curriculum and campus ambience, gathering insights into industry-academia gaps and challenges. This feedback aligns the institution with industry trends, ensuring students receive a comprehensive education.
5. **Contributing Textbooks**:-Alumni contribute to the **growth and development of library resources** by donating books.
6. **Motivation and Knowledge sharing sessions**:- Expert talks by alumni enable students to learn about emerging trends and technologies in their field, providing practical insights on preparing for careers in the industry.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

Under the governance of the **Adi Sankara Trust**, ASIET emphasizes quality education, a holistic approach to student development, cultivates a sense of responsibility and civic duty. This commitment is upheld with gracious blessings of **Sringeri Mutt**.

Vision

To emerge as a Center of Excellence in Engineering, Technology and Management by imparting quality education, focusing on empowerment and innovation.

Mission

- Impart quality professional education for total upliftment of the society.
- Create congenial academic ambience that kindles innovative thinking and research.
- Mold competent professionals who are socially committed and responsible citizens.

To attain the vision in alignment with the mission, the institute always focussed on providing **outcome-based education** and an environment to develop innovative products through **Innovation and Entrepreneurship Development Centre**. ASIET aims to create **congenial academic ambience** which improves themselves to participate in research and funded projects.

NEP Implementation

ASIET upholds Indian culture and heritage through events like "**Thyagaraja Aradhana - a classical rendition of famous Pancharatna Kritis**", a showcase of classical music and dance forms during "**Brahma**".

Furthermore, ASIET's **Adi Shankara Digital Academy (ASDA) platform** offers online courses in **Vastu Shastra, Vedic Mathematics, and Yoga**. These courses cater to both internal and external participants, aiming to extend educational reach and provide opportunities for upskilling rooted in **traditional Indian knowledge**.

ASIET promotes online, self-paced learning as a local chapter for SWAYAM and NPTEL, contributing to the implementation of NEP goals.

Governance Mechanism

ASIET implements a streamlined governance structure that integrates **decentralization and participative management** among various councils:

- The **Governing Body** includes representatives from Adi Shankara Trust, technocrats, and academicians ensuring effective governance and well-being.
- The **Management Council** oversees all institutional affairs, including financial management, resource allocation, and infrastructure development.
- The **College Council** advises the Principal on routine institutional matters and manages day-to-day affairs, overseeing the operational aspects of ASIET.
- The **Academic Council**, chaired by Principal, collaboratively makes decisions on academic matters to uphold the excellence of all academic programs.
- The **IQAC** is effectively functioning in ASIET ensuring quality in all decisions and conduct of activities.
- Administrative responsibilities are **decentralized, with department heads and functional committees** entrusted with specific roles. This approach fosters a distributed governance system that enhances efficiency and **accountability**.
- Within departments, academic administrative tasks are delegated among faculty members to optimize operational effectiveness.

In addition, the **staff** act as members of various cells like

- Anti-Ragging Committee
- Grievance Redressal Cell
- Industry-Institute Partnership Cell
- Institute Innovation Cell
- Women Empowerment Cell

The **student representatives** participate in various cells ensuring effective execution of student requirements.

Case Study on Participative Management

Various **Committees** are formed at both department and institute levels to coordinate academic and non-academic activities. These are led by senior faculty members, and **regular meetings** are held to discuss issues and make decisions where they can actively participate and provide their critiques. Regular **monitoring** mechanisms ensure proper **implementation of policies** and decisions taken by committees. **Surveys** are conducted to collect feedback from inmates, external stakeholders, alumnis, parents and their suggestions are taken into account in the processes.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

The institutional **perspective plan** serves as a strategic framework that drives effective governance and operational efficiency. This is evident in the cohesive alignment of policies, administrative setup, appointment procedures and service rules. These elements collectively ensure that institutional bodies function efficiently and effectively, contributing to the overall success and advancement of the institution.

Various **institutional bodies** for efficient and effective functioning of the institute are

- **Governing Body:** Comprises management, academic, and industrial experts for effective governance.
- **IQAC** oversees quality enhancement measures.
- **Management Council:** Manages overall institutional affairs, including finance, administration, resource allocation, and infrastructure development. Includes management representatives, Sr. Associate Director, Principal, General Manager, Deans, and Department Heads.
- **College Council:** Advises Principal on routine matters, including department heads, physical education incharge, elected student representatives, and teachers.
- **Academic Council:** Decision-making body on academic matters chaired by the Principal. Includes Deans, IQAC coordinator, department heads, PG Coordinator, first-year coordinator, and placement officer.
- **Grievance Redressal Cell:** Addresses student grievances, forwarding appeals to the Principal with recommendations.
- **Internal Complaints Committee:** Confidentially handles complaints of sexual harassment, discrimination, and other grievances.
- **Women Empowerment Cell:** Empowers female stakeholders, addresses women-related issues, and ensures campus safety.
- **Research Cell:** Formulates publication strategy, manages funding, and oversees patents through respective department representatives.
- **Industry Institute Partnership Cell (IIPC):** Bridges academic knowledge with industry skills.
- **Faculty Professional Enrichment Cell (FPEC):** Enhances professional development of faculty.
- Various committees such as Admission, Student Council, Anti-ragging, Purchase, Library, PTA, Alumni, etc., support seamless operation of the institution.

Appointment and service rule

The appointment and service rules at our institution are designed to be **transparent and accessible, ensuring clarity and fairness** for all stakeholders.

Institute Perspective Plan (2017-2032)

The institution has prepared a well-defined perspective plan to fulfill academic development, extracurricular activities, research, social commitment, and ethical values. These targets have been set with extensive consultation with all institution stakeholders. Major thrust areas and actions identified in the development plan will lead the institution to become the ultimate goal - A Centre of Excellence.

The institution's goals are:

Short-Term Goals: Our immediate priorities include achieving NBA accreditation for all undergraduate programs, securing NSDC affiliation, enhancing extracurricular activities with a focus on ethical values, and entering the NIRF ranking band to bolster our institutional reputation.

Mid-Term Goals: Looking ahead, we aim to attain accreditation by statutory bodies and autonomous status, establish a skill development center, and foster collaborations with national and international universities to enhance student skills and global partnerships.

Long-Term Goals: In the long term, we aspire to attain Deemed University status, gain international recognition, and become a leading center of excellence in research and academic innovation, contributing significantly to societal development and global knowledge advancement.

Deployment of strategic plan (Case study)

30 KWp on-grid solar power plant

The Institution has installed a 30 KWp on-grid solar power plant at our roof top premises (Roof of Central Computing Facility - CCF Block) under the ANERT Solar Rooftop scheme and got approved by the Electrical Inspectorate, Government of Kerala in October 2017.

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document

6.2.2

Institution implements e-governance in its operations

- 1. Administration**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examination**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

Welfare measures for Teaching and Non-teaching Staff

ASIET implements several policies that support the welfare of staff members.

1. Financial benefits

- Gratuity is given to all the staff of ASIET
- Employees' Provident Fund (EPF) and Employee State Insurance (ESI) benefits are given to non-teaching staff.
- Group personal accident policy benefit
- Faculty members participating in the faculty development programmes (FDP)/conferences are entitled to claim the registration fee.
- Towards professional body membership, faculties are eligible to get 50% of the membership fee from the institution.
- Fee concessions are provided for the children of teaching and non-teaching staff.
- Free uniforms are provided to college bus drivers.

2. Facilities

- Banking facility: Banking and ATM facilities are available in the campus.
- Transport Facilities: Faculties are given 50% concession in college bus fees.
- Separate wellness clinic is available which is effectively run by a doctor from a reputed hospital nearby.

- Counselling facilities are available for both students and staff.
- Separate vehicle parking for faculties.
- A store and reprographic center.
- The college canteen is provided with separate seating facilities for staff.
- A well maintained cafeteria is functioning in the campus.
- Central Computing Facility (CCF).
- The College is fully Wi-Fi enabled.
- Annual recreational activities and free medical camps
- Women Empowerment Cell
- Internal Complaints Cell
- Grievance Redressal Cell
- Gender and Equity Cell

3. Leave benefits

- Duty leaves
- Paid medical leaves are allowed for staff in case of hospitalization.
- Paid block leaves
- Paid maternity leaves
- Study and Research leaves

4. Recognitions and Rewards

- Best teacher awards and appreciation letters are given to staff based on academic results achieved in University examinations.
- Staff are appreciated for their achievements in various academic and non academic activities.
- Staff are appreciated for scoring excellent in the performance appraisal process.
- Staff are given promotions based on their experience and qualifications.

Performance appraisal system

The institute has an adequate Performance Appraisal System for both teaching and non-teaching staff. Setting attainable goals helps to inspire employees and give them greater confidence. The Performance Appraisal System consists of 4 stages.

Stage-1: Self-assessment

All the staff members are required to submit a self-evaluation of their performance against the established performance metrics at the end of every academic year.

Stage-2: Supervisor assessment

The Head of the Department verifies the information entered by the faculty in the Evaluation/Assessment report, and will provide a score (out of 10) based on his/her performance.

Stage-3: Grading

A committee including Principal and HoD will evaluate the employee's performance against the

established performance metrics and provide ratings for each faculty.

Stage-4: Feedback and Appreciation

The committee provides feedback to every faculty member based on the evaluation report and areas of improvements are discussed and documented. The faculties having notable achievements are appreciated appropriately. Appreciation letters are also given to those faculties who get excellent results in university exams.

Avenues for career development and growth

- Conferences and FDP are organized at national and international levels
- IEDC, TBI and FABLAB
- Research cell

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 34.39

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
08	41	63	52	85

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 51.77

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
95	80	115	76	101

6.3.3.2 Number of non-teaching staff year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
35	34	35	37	37

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Institutional Strategies for mobilization and optimal utilization of resources and funds

The institution has a very reliable system in place to estimate its financial needs through annual budgets, to diversify its funding sources through resource mobilization, and to ensure that the funds raised are used effectively and efficiently. Before the commencement of every financial year, HODs submit their **proposals for budget allocation for the next financial year** under various heads of account. The management and the Principal review the previous years' actual expenses of the departments and the requirements of the present year as projected by the departments and thereafter, a consolidated budget is prepared. The consolidated budget is then submitted to the management for approval.

Funding Sources

- The institution's primary source of internal revenue comes from the **fees collected from students**. Another significant portion of the earnings comes from the hostel fees.
- The Institution also raises funds for a variety of purposes, such as departmental workshops and seminars, consulting services, faculty development programs, and sponsorship for a variety of student activities. **Contributions from alumni** are another source of raising funds.
- During holidays, the government and other organizations like TCS regularly **conduct exams in our computer labs on hire basis**.
- The faculty members and various cells of the **institution receive grants for research and innovation from Government and Non-Government agencies** like KSCSTE, CERD, RSM,

AICTE, KTU, Kerala Start-Up Mission etc.

Utilization of Resources:

All money received is transferred through the institution's accounts to ensure that the money that was raised is used for the intended purpose. **Internal and external audits** are performed to ensure efficient account management.

Financial Audits

Institution conducts **external and internal financial audits regularly**. It reviews and approves information and compliance with policies and SOPs. The Books of Accounts of the Institute are audited by the Chartered Accountants. As per the Income Tax Act, statutory audit is conducted once in a year by the designated External Auditors.

Internal Audit

All bills and vouchers are checked, verified and audited by the Audit and Accounts section before passing to the Principal/COO/ MT. A **committee, consisting of two staff auditors** (internally designated) conducts internal auditing of the accounts **once or twice during a Financial Year** and reports its findings for compliance.

External Audit

All the financial transactions of the college are **audited by statutory auditors annually**. They examine the institution's Book of Accounts and make assessments of whether it keeps accurate financial records. Accounts for sources of revenue and expenses are verified by the auditor. Additionally, check to see that statutory payments like TDS, Professional Tax, ESIC, and PF are made on time for their due dates and reconcile bank accounts. Audit observations/objections on any inconsistencies are handled within the given time frame as per 8th guidelines of the Statutory Auditors.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

Two best practices institutionalized as a result of IQAC initiatives are

Practice 1: Faculty competence and Student proficiency enrichment activities

- Various **Faculty Development Programmes** (FDPs) are organized to update faculty knowledge and skills to keep abreast of latest developments.
- Faculty and students get assistance to **publish papers** in reputed journals, get **research grants** and participate in conferences and workshops to enhance their research skills.
- Encourages **MOOC certifications** for faculty to provide them with in-depth domain knowledge.
- **Add-on courses** are provided through student chapters, clubs and associations units to help students gain additional knowledge and skills.
- Promotes **internships and industrial visits** for students to impart practical knowledge for making them industry ready.
- Initiatives for enriching **soft skills, language and communication skills, and ICT skills** are taken for enhancing the employability of students.

Practice 2: Nurturing Research and Innovation Ecosystem

- Computer Science, Electronics and Communication, Electrical and Electronics departments have become **research centers** under Kerala Technological University having 6 research guides and 23 research scholars with assistance of various research laboratories to kindle research interests.
- **Innovation and Entrepreneurship Development Centre (IEDC), Fabrication Lab and Technology Business Incubator (TBI)** are established for taking up the entrepreneurial journey to the next level.
- The institute established **Institute Innovation Council (IIC)** in association with the **Ministry of Human Resource Development**, Government of India.
- The ASIET IEDC received **Entrepreneurship Enabler Awards** and was selected as best **IEDC in the state in the years 2016, 2017 and 2018**.

IQAC reviews teaching learning process and ensures quality by using

- Auditing system
- Periodic review for ensuring outcome based education

Auditing system

There are two types of academic audits

- **Internal Audit:**

Internal audit is conducted department wise and each department will be informed one week prior to the conduct. IQAC prepares a schedule and list of auditors. Observations are documented and handed over to heads of departments and the Principal. Corrective actions are implemented in departments.

- **External Audit:**

The external audit is scheduled by the university and appoints an external auditor. External audit reports will be sent to the Principal and will be circulated to IQAC and to all departments. IQAC takes appropriate actions for comments made in the audit, keeps a record and forwards to the next IQAC meeting.

Periodic review for ensuring outcome based education

- IQAC representatives of each department reviews course delivery manuals. Stream coordinators, head of the department and IQAC representatives verify the **course outcomes**, their **mapping** to programme outcomes and programme specific outcomes, before commencement of semester. They check the attainment of course outcomes from the impact analysis report of the previous year and if not attained, the course instructor takes necessary steps to improve attainment.
- IQAC, stream coordinators and heads of departments collectively ensure standards of **internal examinations** by checking compliance of each question with specified Bloom's taxonomy levels.
- Prepares **academic calendar** and monitors progress of semester.
- Reviews **course conduct** and syllabus completion.
- Takes **feedback** on teaching effectiveness from students

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1. Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2. Academic and Administrative Audit (AAA) and follow-up action taken**
- 3. Collaborative quality initiatives with other institution(s)**
- 4. Participation in NIRF and other recognized rankings**
- 5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

ASIET promises **equal opportunities** for education, resources and support for students to their fullest potential ensuring **gender equity**. Various **Committees, relevant practices followed and facilities** provided to ensure **gender equality** are listed below.

A. Committees

These committees provide a **platform to raise concerns** and have established **policies and procedures** to establish an **ambience of gender equity**.

- **Gender Equity Cell**
- **Women Empowerment Cell**
- **Faculty Grievance Redressal Committee**
- **Students Grievance Redressal Committee**
- **Anti Ragging Cell**
- **Internal Complaints Committee**

Policies

- **Gender Equity Policy**
- **Grievance Redressal Policy**
- **Human Value And Professional Ethics Policy**
- **Anti Ragging Policy**
- **Safety Policy**
- **Admission Policy**
- **Scholarship Policy**

These cells work tirelessly to **empower the students** through guest **lectures, seminars, workshops, different awareness campaigns, and other welfare initiatives** yearly.

B. Safety and Security

- **Internal Complaints Committee** stays alert to prevent sexual abuse towards students and female workers.
- **CCTV** cameras installed at strategic locations for continuous surveillance, heightens security

inside the campus. CCTV footage can be **monitored at the Principal and GM offices.**

- The **vehicle pass system** designed to streamline access to parking areas ensures safe and secure parking.
- Advanced **firewall** system to enhance protection against cyber threats and unauthorized access, ensures the **safety of data and information**.
- **Anti-Ragging and Discipline Committees** safeguard the well-being and rights of students and prevent instances of ragging or misconduct, promoting a safe and respectful campus. **Prompt and timely actions on any concerns reported by students** are ensured.
- **Separate hostel facility with compound wall and resident warden** is provided for girls and women faculty.
- **Security officers** are deployed **24/7** within the **campus and hostels..**
- **College buses** are operational, between college and various destinations for commuting students and faculty members, ensuring **convenient and reliable transportation**.

C. Counseling

Counseling and mentoring services are primarily overseen by women tutors. Additionally, the **full-time counselor** available on campus enhances the extent of support. This commitment underlines the college's dedication to promote students' well-being and academic success.

D. Common Room

Almost every building has **adequate washrooms and common room facilities** for male/female students.

E. Curricular and co-curricular activities

- **Curricular activities:** Institution integrates crosscutting issues relevant to **Gender and Human Values into the Curriculum** through various courses to develop a deeper understanding of gender-related issues, and challenges, promoting empathy and respect.
- **Co-curricular activities:** ASIET organizes **National level techno cultural fest "Brahma"** and tech-fest "**Aswamedha**", **Arts and Sports days** yearly. Activities organized under various cells and associations of ASIET, also **promote gender equity and inclusivity**. An **International-level ideation challenge; "APJ Abdul Kalam Innovation Challenge - Young Scientist Award"** was organized for school and ASIET students, and the winner was acknowledged with a **trip to NASA, USA**.

F. Other relevant information

- **Admission procedures** strictly adhere to the University and Government norms without any discrimination on gender.
- **Administrative** responsibilities and roles are equally assigned among staff without any discrimination gender.

It is also made mandatory to have at least one **Lady Student Representatives in the College Union** from each class.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

Under the auspices of **The Sringeri Mutt, blessed by Sri Adishankaracharya**, ASIET is **devoted to foster an inclusive and harmonious society**. ASIET encourages students to **organize and participate** in programs hosted **in and out of the campus**. Thus students are **sensitized to cultural, regional, linguistic, communal, and socio-economic diversities**, fostering a spirit of understanding and cooperation in community.

Cultural and Regional Diversity

- ASIET Student Council organizes “Brahma”, A National Techno-Cultural festival incorporating technological and cultural competitions, performances, workshops nurturing creativity with cultural and regional Diversity
- “Thyagaraja Aradhana” featuring classical concerts by renowned musicians from Kerala, held annually in conjunction with Brahma, promotes classical music.
- The prestigious “Adi Shankara Sangeetha Kalashreshta Puraskaram” is awarded annually to artists of great renown.
- NSS volunteers participated in the Republic Day Parade, International youth exchange programs, National integration camps, and International seminars on “Ek Bharat - Shreshtha Bharat”.
- Every year, the Arts festival, Onam, Christmas, and Navratri festivals are celebrated highlighting moral and ethical values, bringing students together.
- Students from all over the country are admitted to various programs.

Socio-economic Diversity

- NSS units and Department associations conduct **social outreach activities** to help the needy people in the society.
- Projects such as “**Homes for the homeless**”, **electrifying homes, medical camps, distribution of food, repairing equipment in government hospitals, blood donation camps, and running awareness programs** promote socio-economic diversity.
- **Student welfare fund** is established to support the needy students.
- **Participation** of students in **NSS and Cells** are encouraged to inculcate social responsibility.

Linguistic and Communal Diversity

- The **College Magazine and Newsletters** showcase the literary talents of staff and students.
- The Student's Council is conducting various activities in connection with **Onam and Christmas programs** to promote communal diversity.
- Major events in college commence with the **Guru Ashtakam** in **Sanskrit**, paying homage to the revered teachers and mentors followed by **college prayer** played in **Sanskrit**, along with the display of translations..
- ASIET offered **German language training** with placements assistance for interested students.
- ASIET Library proudly houses the **Shankara Sara Sangraha**, a dedicated section featuring a comprehensive compilation of the **profound philosophies of Sri Sankaracharya**.
- Students participation in **interstate** programs **enables multilingualism**

Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens

- The **fundamental duties outlined in Article 51A of Part IV-A of the Indian Constitution are prominently displayed in the front lobby**.
- National festivals and special days emphasizing the **values, rights, duties and responsibilities of citizens** are celebrated.
- **Awareness campaigns, training and outreach programs**, to inherit human values coping with the constitutional obligations are organized to sensitize the future leaders.
- The programs such as **home renovation, electrification of poor houses, blood donation, flood relief and COVID related activities were conducted to promote duties and responsibilities of citizens**
- Awareness classes on **narcotic abuse, legal education, road safety, traffic rules, prevention of child labour, cyber laws, and significance of adopting plastic-free practices** etc. were conducted.
- A course on “Constitution of India” is delivered to fourth semester B.Tech Students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Best Practice 1: Excelling in Innovation, Incubation, and Entrepreneurship

Objectives

- Cultivate entrepreneurial culture through research and innovation.
- Conduct innovation and entrepreneurship activities.
- Organize workshops, seminars, and mentor interactions.
- Establish mentorship schemes with entrepreneurs and industries.
- Network with national entrepreneurship organizations.
- Develop products for societal and environmental applications.
- Provide facilities for prototype development and IPR registration.
- Host hackathons, competitions, and challenges with industry collaboration.

The Context

ASIET's Student Entrepreneurship Programme aims to catalyze and accelerate the entrepreneurial journey of young innovators. To promote innovation and entrepreneurship, ASIET has established the Centre for Innovation, Incubation, and Entrepreneurship, which includes a Fabrication Lab, Innovation Entrepreneurship Development Cell, Business Incubation Facility, LEAP Centre, IPR Cell, Institute Innovation Council, and Industry Institute Partnership Cell. These entities offer pre-incubation, incubation, and acceleration programs to stakeholders.

The Practice

ASIET has a startup and innovation policy to promote student and faculty-driven innovations and startups on campus. The IEDC, Adi Shankara TBI, IIC, IIPC, and IPR Cell actively contribute to this journey.

- **IIC:** Fosters a culture of continuous innovation through hackathons, ideation workshops, and innovation challenges.
- **IEDC:** Develops entrepreneurial skills, guiding students in transforming ideas into viable business ventures, with pre-incubation, incubation, and acceleration programs.
- **TBI:** Supports early-stage startups, providing a conducive environment for growth and development, resulting in 12 startups and over 20 commercialized products.
- **Fab Lab:** Encourages interdisciplinary collaboration, enabling students to bring ideas to life through rapid prototyping, with facilities including 3D printing, PCB milling, and more.
- **IIPC:** Bridges academia and industry, providing industrial exposure and organizing industry-collaborative workshops, conferences, and symposia.
- **IPR Cell:** Educates students and faculty on intellectual property, assisting in securing patents,

trademarks, and copyrights.

Evidence of Success

- 10 entrepreneurs, 12 startups, 56 patent applications, 36 industry collaborations, and external funding for product development.
- Young Scientist Awards for school students, with winners sent to NASA.
- Kerala Startup Mission recognized IEDC as a Technology Business Incubator in 2022 and LEAP Centre in 2024.
- Fab Lab received “Top Performer Award 2019-20” from Kerala Startup Mission.
- IEDC received the Entrepreneurship Enabler Award 2018 from Kerala Startup Mission.
- Kerala State Industrial Development Corporation sanctioned a Business Incubation Centre at ASIET in 2019.
- Recognized as an MSME Business Incubation Centre by the Government of India in 2021.
- Best Fab Lab Award in the state in 2019.
- Special recognition for Prof. Ajay Basil Varghese for his contribution to the startup ecosystem.
- Kerala Startup Mission listed Adi Shankara IEDC among the 31 Performing IEDCs in the State on March 8, 2018.
- Prof. Anuroop K.B. selected as the Regional Mentor of Change under Atal Innovation Mission.
- Products developed in the Fab Lab won national event prizes.
- During the pandemic, developed automatic hand sanitizer units, pulse oximeters, ventilator units, etc.

Problems Encountered and Resources Required

Identifying potential entrepreneurs is challenging, as not everyone is suited for entrepreneurship. Although students have innovative ideas and a supportive environment, many opt for employment over entrepreneurship. New government and education policies on student entrepreneurship could help address this issue.

Best Practice 2:Fostering Professional Growth and Student Excellence through Professional Society Chapters

Objectives

- Disseminate and update engineering and technological knowledge among members.
- Facilitate networking, knowledge sharing, and community engagement.
- Advance engineering knowledge through Research and Development (R&D).
- Encourage ethical behavior and professional conduct.
- Assist students in career planning, placements, and internships.

The Context

To realize ASIET's vision of becoming a Center of Excellence in Engineering, Technology, and Management, the Institute enhances student skills through professional society activities, including:

- IEEE Student Branches
- Institute of Engineers (India)

- Computer Society of India
- The Society of Energy Engineers and Managers (SEEM)
- American Society of Mechanical Engineers
- Biomedical Engineering Society of India
- The Robotics Society of India
- International Society of Automation
- Indian Society for Training and Development
- Indian Concrete Institute
- Indian Society of Mechanical Engineers

These chapters provide platforms for students to interact with professionals, participate in workshops, seminars, and conferences, and develop leadership and teamwork skills.

The Practice

The IEEE Student Branch at ASIET, inaugurated in 2011, includes various affinity groups and conducts seminars, workshops, skill development programs, conferences, project exhibitions, and competitions.

The IEI Student Chapter, established in 2018, promotes education and research, facilitates faculty corporate memberships, and provides a platform for students to develop technical, professional, and social skills.

The Computer Society of India (CSI) chapter offers skill development, industry exposure, networking, certifications, research, and community service through workshops, seminars, and conferences.

The SEEM Student Chapter, inaugurated in 2017, focuses on energy conservation and management awareness programs.

The ASME Student Chapter, formed in March 2017, organizes events focused on mechanical engineering.

The ISME Student Chapter, founded in 2016, advances engineering and technological information through workshops, webinars, and competitions.

The ISA empowers the global automation community through standards and knowledge sharing, technical competitions, seminars, training programs, and industry collaboration.

The Robotics Society, started in 2022, promotes student networking and knowledge sharing in robotics.

The BMESI Student Chapter, inaugurated in 2024, organizes conferences, workshops, seminars, and webinars on biomedical engineering.

The ICI Student Chapter, established in 2023, and the ISTD Student Chapter, inaugurated on 2022, conduct seminars, workshops, conferences, and exhibitions.

Evidence of Success

- IEEE Regional Exemplary Student Branch Award (2020, 2021, 2022)

- IEEE Best Student Volunteer Award (2018, 2019, 2021, 2022)
- IEEE Outstanding Branch Counsellor Award (2020, 2021, 2023)
- IEEE Kerala Section Outstanding Student Branch Award 2023 (Special Mention)
- IEEE ComSoc SBC received a grant of US \$480
- IEEE PES High Performing Student Branch Chapter Program (HPSBCP) Award 2022 with a cash prize of \$292
- IEEE Computer Society Outstanding Chapter Award (2019-20)
- IAS CMD Outstanding Member Award 2022 and Outstanding Chapter Chair in Region 10 (2022-23)
- SEEM National Level ‘Silver Award’ in Facility Category (2018)
- Students won prizes in the National Energy Auditing Competition (2018)
- IEI student chapters received grants for projects, conferences, and faculty development programs
- Students received scholarships from IEI
- ASME Student Section Recognition Program funding

Problems Encountered and Resources Required

The semester system necessitates alignment with the university timetable, making it challenging for students to organize and participate in professional society activities due to time constraints.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Molding Professionals with Social Commitment: Empowering Communities and Protecting the Environment.

Objective:

ASIET stands as an embodiment of academic excellence, committed to **serving society through technology**. The social service cell of ASIET has been pivotal in nurturing young technical minds toward social service since its inception. Inspired by the profound teachings of the revered seer, **Sree Sankaracharya**, the cell engages in the **holistic development of engineering students** through the activities of **NSS, Bhoomithrasena Club, ‘Home for Homeless’, and ‘Vidyuth’ under the Social**

service cell that nurtures **value-based education**. Its initiatives align with the institute's vision of creating competent professionals with social commitment, ethical integrity, and spiritual values.

Promoting Values:

College life at ASIET goes beyond academics, encompassing understanding social, environmental issues, and societal inequities. All engineering departments actively promote society-oriented projects and undertake consultancy work for local and government agencies, aligned with the institute's vision and mission under the social service cell's guidance.

NSS

A key element of the Cell is its dedication to social service through its **NSS** units, which engage in various community service initiatives in the neighborhood. Established in **2015**, the NSS unit has significantly impacted both the academic community and society at large, promoting intellectual development and a strong sense of social responsibility.

The NSS unit collaborates with various government and non-government organizations, such as the **Directorate of Environment and Climate Change, Shuchithwa Mission, Haritha Kerala Mission, Kerala Excise Department, District administration, Bhumi Club, BIS, and the Tourism Department**, to implement programs benefiting the environment and society. The NSS unit conducts **public awareness campaigns, cleanliness drives, Swachh Bharat programs, medical camps, blood donation drives, charity work, skill development programs, and free online tutoring** to support societal well-being.

The NSS unit, in collaboration with the **engineering departments and professional societies** at the college, has initiated several community service activities including **electrification of houses for the underprivileged, distribution of mid-day meals to needy individuals and residents of old age homes, training programs for school students and village women, library renovations, and river rejuvenation projects**.

The NSS unit and Program Officer were honored with the prestigious **NSS National Award from the President of India in 2021**. The NSS unit, along with its officer and student volunteers, has received accolades at the Directorate of Technical Education, university, and state for their active participation in social service activities, earning various awards for societal and environmental contributions.

Bhoomothrasena Club:

The Bhoomithrasena Club, in collaboration with the NSS, conducts various environmental protection activities. The ASIET community participated alongside the public in **renovating ponds**. Our students support the district administration by **implementing green protocols**. ASIET has actively engaged in the **Swachh Bharat Internship Program** by the Government of India, with activities earning public appreciation. Volunteers dedicated over 100 hours across different local bodies to this program.

ASIET conducts extensive **tree plantation programs** through various projects. The institute is also executing the **Paristhithikam project** under Directorate of Environment and Climate Change, Government of Kerala, to raise public awareness about environmental issues. The Energy Management Center Kerala selected our campus to host **energy conservation awareness** programs within the

Angamaly assembly constituency. The college maintains its natural aesthetics by preserving trees during the construction of the building.

Punarjani Project:

This project aims to enhance infrastructure in government hospitals, focusing on repairing biomedical equipment, furniture, and electrical appliances, directly benefiting the underprivileged. The NSS unit of ASIET has restored facilities at Government Hospital Mattoor, Government Taluk Hospitals in Angamaly, Chalakudy, and Thrippunithura, and Ayurvedic Medical College, Thrippunithura. As the camp officer for the Mega Punarjani Camp by the Directorate of Technical Education, the NSS Program Officer of ASIET coordinated restoration camps at Medical College Trivandrum, General Hospital Ernakulum, District Hospital Aluva, and Government Medical College Ernakulam.

Home for the homeless:

The ASIET community came together to **construct new homes for three families** whose houses were destroyed by heavy rain through the combined efforts and contributions of the NSS unit, Alumni Association, staff, and students. Volunteers generously offered their time and services to ensure the project's success.

Collaboration: Expanding Horizons:“Vidyuth”

"Vidyuth" is a social service initiative by the **EEE** department, aimed at **electrifying homes for economically disadvantaged families**. Launched in **2013**, this project has successfully provided **electricity to over 100 homes**, significantly improving the quality of life of individuals. The program continues to make a meaningful impact by addressing a critical need in the community

Response to flood

The college actively engaged in various services during and after the flood in different parts of the state. NSS volunteers and students participated in rapid visual surveys of affected houses in Kalady, Kanjoor, Sreemoolanagaram, and Manjapra Panchayats. They assisted the district administration in conducting **rebuild surveys** in Kalady Panchayat, performed water quality testing in collaboration with Pollution Control Board, **repaired electrical home appliances, inspected house wiring, and repaired generators** in Panchayat offices, markets, and crematoriums of Kalady Panchayat. Students carried out sanitization and cleaning efforts in various locations. Medical camps were organized to meet social commitments, and essential supplies like clothes, food, and cleaning materials were distributed in flood-affected areas of Kerala in 2018 and 2019.

Response to Covid Crisis:

During the COVID-19 pandemic, ASIET made significant societal contributions. ASIET developed and distributed **sanitizer dispenser units** to government institutions, including district administration offices, police stations, hospitals, banks, railway stations, and panchayat offices. To address ventilator shortages, ASIET build a **ventilator system** to Ernakulam General Hospital. ASIET created **software to assist COVID-19 volunteers** in Kalady and Vadakekara Panchayats. The institute's socially responsible activities included **distributing free masks and sanitizers, providing clothing and food to orphanages and old age homes, and donating materials and refrigerators** to First-Line Treatment Centers.

Conclusion:

A defining aspect of the institute's identity is its naming after the great scholar **Adi Shankaracharya** and its location at his birthplace, adding profound significance as a tribute to the revered seer. The social service cell's activities exemplify the institute's commitment to promoting higher education based on Sree Sankaracharya's ideals while preserving India's cultural heritage and foster intellectual growth and exchange.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

Over the years, our **students have been securing the University Ranks and awards at several events and competitions**. Our Women Volleyball team emerged as the **Champions of the APJ A Kerala Technological University** last year. In the past years, several students were **selected to the University Teams** for the Inter University competitions.

Our award winning **Business Incubation Centre** has served as a platform for the development of several entrepreneurial attempts and many has succeeded; generating a **total revenue of around 3 crores and employment for many**. We are proud to see our students perform well as entrepreneurs too.

Our students are not only **encouraged to participate in cocurricular and extracurricular activities** conducted by peer institutions but also to **organise events** as well. Institute has organised programmes like **APJ Abdul Kalam Innovation Award and Adi Shankara Young Scientist Award** and several **International and National conferences**. Many other events including an annual **National level, Techno Cultural Fest – Brahma, Cultural fest of the institute – Advaiya, Tech fest - Aswamedha** and the Sports meet are also organised regularly.

The students of the institution were in the forefront of **relief activities during the Flood in 2018 and the Covid 19 pandemic**. Our institute was a **relief centre** accommodating several families. Multiple units of “**Jeeva Vayu**” – a **Ventilator System** developed at ASET were **transferred to the Government Hospital** during the Covid pandemic.

Centrally located in terms of road connectivity, it is adjacent to the **Main Central Road**, just 6 km from Kochi International Airport, and an equal distance to the Angamaly Railway station. It is around 30 kilometres away from the state’s commercial capital, Kochi.

We are committed to **inculcate social values and morals** in students. Keeping this in mind we indulge in **activities augmenting Women Empowerment and Social Welfare**. The **extension and outreach activities of the institute** for the upliftment of the neighbourhood, has given real life experiences to our stakeholders and paved the way in moulding them as **responsible citizens** of India

Concluding Remarks :

Adi Shankara Institute of Engineering & Technology (ASIET) ideally located in a tranquil setting and kindles vivacious memories of the **Serene Presence of Jagadguru Adi Shankara** under whose lineage the college is run. A defining aspect of the **Institute's Identity** is its **naming after the great scholar and preacher Adi Shankaracharya**. The **Institute's location at his birthplace, also adds profound significance as a tribute to the Revered Seer**. Our social service activities exemplify the institute's commitment in **preserving Sree Shankaracharya's ideals and India's cultural heritage while fostering intellectual growth and exchange** through higher education in science and technology. We continue to imbibe humility and oneness among our students.

We are committed to **promote sustainable development through conservation of nature and exploring**

alternative energy sources. Throughout the journey, though it's tedious we are **committed to uphold and impart the virtues and moral values.** We are also **pledged to develop and maintain a holistic environment for the overall development** of our students and wish that the future is brighter. We **look forward to collaborate more with renowned academic as well other organisations through engagements and activities** that shall lead us ahead and successfully **implement NEP.**

We prepare students for the worldly challenges and believe that the real meaning of education is **not completed merely through the classroom learnings and evaluations.** We shall continue to encourage students to engage in activities beyond the classrooms. **Twenty batches of students** passed out from the institute with flying colours, **occupying coveted and responsible positions in prestigious organizations in India and Abroad** make us prouder. With humble heads, We, the **ASIET Family strive hard** to churn out the best throughout this journey to **academic excellence.**

Om

Saha Nau-Avatu |

Saha Nau Bhunaktu |

Saha Viiryam Karavaavahai |

Tejasvi Nau-Adhiitam-Astu Maa Vidvissaavahai |

Om

Shaanthi Shaantih Shaantih ||

May the supreme self protect us all, the teacher and the disciple:

May the Eternal possess and guide us ever:

May we both work together with great energy:

May our learning be thorough and fruitful:

May we have goodwill for all; never any hatred:

Let there be; peace, peace, peace.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
2.4.1	<p>Percentage of full-time teachers against sanctioned posts during the last five years</p> <p>2.4.1.1. Number of sanctioned posts year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th><th>2021-22</th><th>2020-21</th><th>2019-20</th><th>2018-19</th></tr> </thead> <tbody> <tr> <td>135</td><td>139</td><td>145</td><td>147</td><td>166</td></tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th><th>2021-22</th><th>2020-21</th><th>2019-20</th><th>2018-19</th></tr> </thead> <tbody> <tr> <td>127</td><td>127</td><td>127</td><td>127</td><td>127</td></tr> </tbody> </table> <p>Remark : DVV has made the changes as per shared appointment letters.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	135	139	145	147	166	2022-23	2021-22	2020-21	2019-20	2018-19	127	127	127	127	127
2022-23	2021-22	2020-21	2019-20	2018-19																	
135	139	145	147	166																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
127	127	127	127	127																	
3.3.2	<p>Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years</p> <p>3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th><th>2021-22</th><th>2020-21</th><th>2019-20</th><th>2018-19</th></tr> </thead> <tbody> <tr> <td>22</td><td>13</td><td>34</td><td>16</td><td>18</td></tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th><th>2021-22</th><th>2020-21</th><th>2019-20</th><th>2018-19</th></tr> </thead> <tbody> <tr> <td>18</td><td>8</td><td>23</td><td>14</td><td>2</td></tr> </tbody> </table> <p>Remark : DVV has excluded those books and chapters are without ISBN no.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	22	13	34	16	18	2022-23	2021-22	2020-21	2019-20	2018-19	18	8	23	14	2
2022-23	2021-22	2020-21	2019-20	2018-19																	
22	13	34	16	18																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
18	8	23	14	2																	
3.4.3	<p>Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.</p> <p>3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th><th>2021-22</th><th>2020-21</th><th>2019-20</th><th>2018-19</th></tr> </thead> <tbody> <tr> <td>26</td><td>19</td><td>16</td><td>22</td><td>29</td></tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	26	19	16	22	29										
2022-23	2021-22	2020-21	2019-20	2018-19																	
26	19	16	22	29																	

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
14	12	10	17	23

Remark : DVV has excluded days activities.

4.4.1 *Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)*

4.4.1.1. Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
346.17	250.14	80.44	199.28	175.61

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
88.72	51.51	31.64	81.75	56.61

Remark : DVV has made the changes as per considered only Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities).

5.3.1 *Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years*

5.3.1.1. *Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years*

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
24	1	3	5	0

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
13	1	3	2	0

Remark : DVV has excluded shared certificates of excellence and appreciation and participation and merit.

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
50	36	45	36	41

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
29	20	30	21	26

Remark : DVV has made the changes as per shared report by HEI.

6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

6.3.2.1. Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
12	50	81	73	91

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
08	41	63	52	85

Remark : DVV has made the changes as per shared clarification.

2.Extended Profile Deviations

ID	Extended Questions					
1.1	<p>Number of teaching staff / full time teachers during the last five years (Without repeat count):</p> <p>Answer before DVV Verification : 241</p> <p>Answer after DVV Verification : 127</p>					
1.2	<p>Number of teaching staff / full time teachers year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th><th>2021-22</th><th>2020-21</th><th>2019-20</th><th>2018-19</th></tr> </thead> </table>	2022-23	2021-22	2020-21	2019-20	2018-19
2022-23	2021-22	2020-21	2019-20	2018-19		

135	139	145	147	166
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Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
127	139	145	147	166

2.1 Expenditure excluding salary component year wise during the last five years (INR in lakhs)

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
975.00415	620.38360	329.75922	636.93435	793.34141
68	95	05	23	75

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
705.31	512.56	300.32	522.04	483.83



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**ADI SHANKARA INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

VIDYA BHARATHI NAGAR, MATTOOR ROAD, KALADY, ERNAKULAM
683574
www.adishankara.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

(Draft)

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The **Adi Shankara Institute of Engineering & Technology (ASIET)** was established in the year 2001 with an aim to provide **value-added technical and management education** with a flair for **professional excellence rooted in ethical values**. Under the aegis of the **Sringeri Mutt**, the institute is run by the **Adi Sankara Trust** with a legacy of running multiple educational institutions like **Sree Sankara College, Sree Sarada (Sanik) School, Adi Sankara Training College, Sree Sarada Special School and DDU Kaushal Kendra** for more than **50 years**.

With the benign blessings of **H.H. Sri. Sri. Bharati Tirtha Mahasannidhanam** and **H.H. Sri Sri Vidhushekhar Bharati Sannidhanam**, the institute believes in adopting a proactive approach for the overall development of the students, fostering **Innovation** and **Excellence** under its **Green Canopy**.

Affiliated to APJ Abdul Kalam Technological University (APJAKTU), Kerala and recognised by AICTE, ASIET offers Under Graduate (B.Tech) programs in Civil Engineering (CE), Computer Science and Engineering (CSE), Computer Science and Engineering (Artificial Intelligence) (CS(AI)), Computer Science and Engineering (Data Science) (CS(DS)), Electronics and Biomedical Engineering (EB), Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE), Mechanical Engineering (ME) and Robotics and Automation (RA). We also offer **MBA, MCA, M.Tech** in VLSI & Embedded Systems, Communication Engineering, Power Electronics & Power Systems and Computer Science & Engineering in addition to **Ph.D** programs in both Technology and Management.

ASIET was the **First self-financing technical education centre in Kerala to be awarded the ISO 9001:2008 certification**. Currently, all the **5 eligible UG programs; CSE, ECE, EEE and ME (Since 2018) and CE (Since 2024) are accredited by the NBA**

Last year, a fund of **Rs. 2.98 Crores** was granted by **Ministry of Electronics and Information Technology, Govt. of India**, for a collaborative project with CMET, Kerala.

In recognition of the exemplary initiatives, Our NSS Unit and the Program Officer received the President's National Award for the year 2020-21. One of our student volunteers attended the last Republic Day parade at New Delhi with the NSS Contingent.

In 2005 and 2010 Hon. President of India, Dr. APJ Abdul Kalam, visited our Campus.

Vision

Adi Shankara Institute of Engineering & Technology commenced its journey on **August 31, 2001**, under the affiliation of MG University, Kottayam, Kerala welcoming 180 students across four undergraduate programs: Computer Science and Engineering (CSE), Information Technology (IT), Electrical & Electronics Engineering (EEE), and Electronics & Communication Engineering (ECE). The institution was established with a **Crisp and Clear Vision**.

- To emerge as a Centre of Excellence in Engineering, Technology and Management by imparting quality education, focussing on empowerment and innovation.

Upholding the vision, we expanded our horizons by adding more programs catering more students, in the subsequent years of our journey. Adi Shankara Business School (MBA in 2004), Applied Electronics & Instrumentation (AEI in 2005), Mechanical Engineering (ME in 2006), and Civil Engineering (CE in 2012) was started. In 2020, B.Tech programs in Computer Science and Engineering (Artificial Intelligence) and Robotics & Automation, were introduced. Further extending the spread of our wings, B.Tech programs in Electronics and Biomedical Engineering (2021), Computer Science and Engineering with a specialization in Data Science (2022) and Master of Computer Applications (MCA, 2022) was also started. In between, 4 M.Tech Programs and Ph.D programs were also launched increasing their accessibility to students and promoting Higher Education.

Mission

Fostering the Vision of the Institute, Our Mission is to:

- Impart quality professional education for total upliftment of the society.
- Create congenial academic ambience that kindles innovative thinking and research.
- Mould competent professionals who are socially committed and responsible citizens.

In this line, our Industry collaborations with **Infosys** began in 2006, followed by **TCS** in 2008 and **Google** recognized ASIET as an **Institute Partner in 2014** promoting innovation under the upgraded academic ambiance.

In 2015, the institute launched the **APJ Abdul Kalam Innovation Award** and **Adi Shankara Young Scientist Award** in 2016, to promote professional knowledge and education in the society.

Developmental activities, Collaborations outside the campus and the establishment of the ASAP Skill Development Centre, IEDC and a Technology Business Incubation (TBI) Centre give ample opportunities for our students to get trained and streamlined into competent professionals.

We are also in the forefront of social and environmental activities instilling values and developing committed citizens for the future.

To endorse the Vision and Mission of the Institute we follow the following Quality Policies.

- We are committed to the total upliftment of the society by imparting quality professional education.
- We aim at moulding totally competent professionals with ingenuity, adaptability, social commitment and ethical and spiritual values by creating a congenial academic ambience that kindles innovative thinking.
- We continually upgrade our Quality Management System through empowerment and involvement.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- **Leadership and Acceptance**
 - The institute is **guided and mentored** by **Visionary leaders** of high repute and plenty of experience. Their directives and **support in activities are exemplary**. The academic ambiance and institutional values are **well accepted and created a brand image in the society** over the years, making it a prime choice for the engineering aspirants.
 - Encouragement and Active Support from **Alumni and PTA**
- **Accreditations and Rankings**
 - All the eligible UG programs are accredited by the **National Board of Accreditation**, New Delhi. 5 UG Programs {CSE, ECE, EEE & ME (since 2018) and CE (since 2024)} are NBA accredited.
 - ASIET was adjudged as the **Band Performer in ARIIA ranking** in 2022.
 - Participation in other ranking and accreditation process is always encouraged.
- **Excellent placement records with active Training and placement cell**
- **Research and Consultancy culture**
- **Heterogeneous student community promoting Gender Equity**
 - Includes students from varied culture and ethnicities all over the country with students with their roots from other states like Jammu and Kashmir, Punjab, Chhattisgarh etc.
- **Well-functioning library and well-equipped laboratories**
- **Scholarship to meritorious students** by college management
- **Serene Academic Environment fostering overall development of students**
 - Follows **Choice-based credit and semester** system
 - Effective faculty **advisor and mentoring** system
 - **Conducive peaceful environment** for learners with ample facilities
 - **Dedicated Faculty** with qualification and experience
 - **Well established TBI and MSME incubation centre**
 - Service-minded **non-teaching staff**
 - **Wi-Fi connected campus with surveillance cameras** at strategic points
 - Separate Hostel facilities for ladies and Gents
- **Beyond Class Room Engagements**
 - **Vibrant NSS units winning state and national awards**
 - **Very active Chapters of Professional Bodies and Societies**
 - Flagship National techno cultural festival - **BRAHMA**
 - **Extension and Outreach** activities serving Society
- **Green Campus Initiatives**
 - **Eco-friendly campus with a vast Green Canopy**
 - Nature and Energy conservation initiatives like;
 - **Solar Power Plant**
 - **Rain water Harvesting**
 - **Waste Management System**
 - **Green and Energy Audits**
- **Very well connected** by air, road and rail

Institutional Weakness

- **Industrial collaboration and revenue generation** to be improved.

- Major **funding** from venture capitalists to be improved.
- Lack of foreign exchange program.
- **Lack of Autonomy** - The lack of autonomy considerably hinders the institute's ability to engage in the development of curriculum incorporating newer technologies and advancements in engineering and timely revisions. This limits the opportunities for the institute to adapt with the dynamically evolving educational landscape around the world.
- **Pan India Admission** to be improved.

Institutional Opportunity

- To develop as a Technological University
- High reputation and social acceptance
- Capitalise on the Government's start-up policy for further development
- Industrial exposure and tie-ups
- Embark on the Fast-changing technology.
- Encouragement and support from Alumni Community
- Collaborative Research with National and International Organization
- Exchange programs
- Funded/sponsored projects at National and International levels
- Revenue generation through consultancy
- Proximity to Airport, Industrial Capital of the state – Cochin.

Institutional Challenge

- Transforming ourselves into a Centre of Excellence.
- As an affiliated institution, the ability to offer advanced courses is restricted.
- Brain drains of professional talents.
- Declining number of good research aspirants.
- Retention of competent faculty members.
- Attitudinal and behavioural problems of students
- Core Company's placement is to be improved
- Shortage of good scholars opting for the teaching profession.
- Filing patents and high-quality research publications
- Developing a creative and innovative research culture
- Twinning Programs
- Implementation of National Education Policy (N.E.P 2020)

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Adi Shankara Institute of Engineering and Technology, affiliated to APJ Abdul Kalam Technological University, **adheres to the University curriculum, syllabi and academic calendar. The institute follows Outcome Based Education incorporating Ethics, Gender Equity, Human Values, Environmental aspects and Sustainability into the Curriculum.**

Internal Quality Assurance Cell (IQAC), with the support of the **Department Advisory Boards and Programme Assessment Committees** ensures the developments and sustenance of the Institution. IQAC plans the **Institute Academic Calendar**, in line with the University's **Calendar**. Faculty members are actively involved in the **curricular design of the university** as members of various **Boards of Studies** of the university.

LMS platforms accessible for students and parents, Continuous Assessments, **Audits, Surveys/Feedbacks** etc. ensures the effectiveness of the teaching-learning process.

During the assessment period 2018-2023:

5963 students successfully completed 178 certificate/value-added courses/MOOCs, benefitting 59.29% of students.

1361 students (65.06%) engaged in Project/Internship/Industrial Visits during the academic year 2022-23.

In addition to **Pedagogical and ICT-enabled instructional approaches** for effective curriculum delivery, extra care for **Slow learners, internships, and value added/skill development courses** offered etc. prepare our students for the future. Participation in inter/intra institute activities like **seminars, workshops, paper presentations, technical fests** etc. also adds to this.

Activities of Clubs/Cells/Professional Bodies instil moral values and virtues in stakeholders along with enhancement of domain knowledge. **IPR** cell promotes professional ethics, encourages respect for original work and fosters a culture of innovation and research integrity. **Gender equality** is also ensured through the involvement of various cells and committees.

Institution promotes sustainable practices like **rainwater harvesting, green campus, waste management and installation of a solar power plant** to enhance commitment on preservation of nature; reducing the carbon footprint. Courses like **Introduction to Sustainable Engineering, Disaster Management, Environment Health and Safety** etc., adds awareness on conservation and sustainable development among students.

Activities like 'Tree plantation' and 'Clean India - Swach Bharat Campaign', Awareness sessions, seminars, field visit, nature camps, cleanliness drives etc., of clubs like "Boomithrasena" and the **energy and green audits** instil interest in **nature-conservation**.

A **transparent feedback mechanism** and disseminating the reports in the institute website is also practiced at ASIET.

Teaching-learning and Evaluation

ASIET practices **Outcome-Based Education (OBE)** defining and assessing **learning outcomes** to encompass the broader institutional culture, benefiting all stakeholders.

Key highlights are:

- **Project based learning** focusing on societal issues
- **Industry supported/Research laboratories** and **Internships** fostering comprehensive development of students and staff members.
- **School outreach programmes** as content beyond classroom learning.
- **Value added courses**, participation in **funded projects**, journal **publication** and application for patents etc. develop esteem and self confidence in the students
- **Creative undertakings beyond the scope of academic coursework** such as “Punarjani”, “Amrit Sarovar - Jal Dharohar Samrakshan”, Road Surveys, “Rebuild Kerala” initiatives, “River Rejuvenation”, “Vidhyuth”, “Jyothirgamaya”, Market Surveys, Energy audit, Water quality Testing, Equipment repairing & Wiring.
- **Participative learning** encouraged through **IEEE, IEDC, Dept. Associations and other cells/clubs** activities which include seminars, **workshops, Interactive sessions by experts, Exhibitions and contests** etc.
- **Simulation assignments, MOOC courses, Seminars and Group Discussions, Field visits & Industrial Visits.**
- Participation in **National Innovation Contest, Smart India Hackathon, Professional Society Events, Project Expos, Gamathon, etc.**
- **Projects in collaboration with industry and academia** helps to acquire practical knowledge through interaction with industrialists/scientists.
- Active involvement in Covid-19 projects and flood relief/rehabilitation activities.
- **Fair academic evaluations and assessments in line with University Regulations.**
- Time-bound and efficient **Grievance Redressal System** and special consideration for Divyangs.

Quantitative Metrics:

- Enrolment percentage: 71.3%
- Reserved seats filled: 31.56 %
- Student-Teacher Ratio: 15.49:1
- Full-time teachers: 100% of sanctioned posts
- Full-time teachers with Ph.D. Or higher: 22.68%
- Pass percentage: 84.26%

The POs and COs are formulated in line with the standards and disseminated among the stakeholders. Effective approaches to **assess and monitor student performance**, through the **attainment of POs and COs**, are practiced prioritising **Continuous improvement**. **Course Delivery Manuals** serve as a comprehensive guide for instructors. **Grouping of courses under Streams** helps to plan activities accommodating **content beyond syllabus**.

Course committees and Advisory committees serve as a **platform for the students** to discuss progress and concerns and effective corrective actions can be planned.

Research, Innovations and Extension

With utmost priority for research and extension activities, **Centre for Innovation, Incubation and Entrepreneurship (CIIE)** spread over a carpet area of 10000 sq.ft, integrating the **IEDC, TBI** etc. elevates the

entrepreneurial ecosystem. The state-of-the-art **FAB Lab, Research Cell, IIC and IPR Cell** add value to the centre.

We embed **Values and Traditional Indian Knowledge** with engineering to promote the **Indian Knowledge System (IKS)**. Our **ASDA** offers online courses incorporating **Natya Shastra, Vastu Shastra, Vedic Mathematics, Yoga** etc.

NSS, Ranger Rover unit of Hindustan Scout and Guides and forums/activities like **Home for Homeless, Vidyuth, Punarjani, Paristhithikam, Urjjakiran**, etc. undertake **Community Engagement, Extension and Outreach** activities, addressing key social issues.

Project Ganitham - Support given for government school students in mathematics, **Career Guidance classes** and **Entrance coaching sessions** for higher secondary students, **Uddyotana** – Training program for Teachers etc. adds our **commitment in building future generations**.

ASIET has adopted **7 neighbourhood villages (NSS - 2 and under Unnat Bharat Abhiyan - 5)** for the **rural development initiatives**.

ASIET's Covid interventions like, **COVID care website** and our own developed **Adi Shankara Jeeva Vaayu - A range of Medical Ventilators** etc., were much appreciated. We were in the forefront of the **relief activities** during the **2018 Kerala Floods**.

Our blood donation camps also received recognitions for **most in numbers**.

We promote **collaborative activities** with various **Academic Institutions and other Organisations** of high repute.

During the assessment period the major accomplishments are:

- **Funds to the tune of 38.64 lakhs** have been received for the **37 R&D projects**. Adding to this the faculty's scholarly output is reflected in the **publications**.
- **52 workshops, seminars, and conferences (International and National)** etc. were organised to **foster research, innovation, entrepreneurship and IPR**.
- **113 Extension and Outreach programmes**.
- **43 collaborations** were initiated.

In recognition, ASIET has received **51 awards and appreciations** including the **prestigious President's NSS National Award for the Best Programme Officer and Best NSS Unit in India** for the year 2020-2021.

Infrastructure and Learning Resources

Spanning over **10 acres**, with a built-up area of **69784 m²**, ASIET aims at creating a **serene environment for blended/hybrid learning** leading to academic excellence.

Major infrastructure facilities include

- **Digital Classrooms with Interactive Boards, LCD Projectors, Smart screens, ICT facilities, LMS and**

ERP Platforms, Virtual Lab.

- Optical Fiber Cable connected LAN and 85 Wi-Fi access points provide seamless internet connectivity throughout the campus.
- 76 laboratories including Hi-Tech labs, Fablab and the Central Computing facility.
- 13 High performing Workstations
- 860 computers with automatically upgraded Microsoft OS under Microsoft Campus Licensing Agreement.
- 64 printers/scanners
- Energy management system incorporating 35 UPS systems and 2 generators and the Solar power plant
- Comprehensive CCTV coverage with 74 IP cameras for security
- Central library with 38146 volumes covering 14093 titles and 97 journals, 15 computers and seating of 120.
- Knimbus platform, ILMS using KOHA, OPAC and Bar coding
- Subscriptions to EBSCO, Turnitin, National Digital Library and e-journals.
- Dedicated section on Indian Knowledge systems.
- Two Auditoriums, 7 seminar halls, two conference halls and a board room.
- Badminton, Basketball, Volleyball, Football and Cricket courts adding to other indoor games and gymnasium.
- Facilities aligned with the Hon. PM's Fit India movement and Yoga for Well-being.
- Common facilities include Canteen, Bank, ATM, reprographic centre, store, medical clinic, sick room, biometric attendance for staff, ramps, parking facilities and wheel chair for Divyangs, adequate fire and safety mechanism.
- Nineteen college buses covering 4 districts to commute staff and students and an ambulance
- Centralized valuation camp of the APJ AKT University
- IEDC and TBI fostering innovation with 10 active startups currently.
- Adequate Waste management systems and rainwater harvesting
- 'ZOOM webinar' platform for hosting online sessions/ webinars/ meetings/ conferences etc. with a capacity of almost 1000 participants.

During the assessment years:

- Expenditures for infrastructure development was 21.85% while 30.73% was for maintenance.
- Student computer ratio of 3:1 (for latest completed academic year)

Student Support and Progression

We maintain an all-inclusive approach toward student support. We provide scholarships on merit cum means basis and actively support students for financial aids through schemes of public/private agencies. We always keep vigil on arranging skill enhancement trainings and proper career guidance to make our students ready for the industry. The transparent grievance redressal mechanisms, avenues for extracurricular and alumni engagements also make ASIET exceptional.

During the assessment period (2018-2023):

- 72.42% of the students (7283 out of 10056) benefited from scholarships. The amount distributed sums to a marvellous figure of Rs.21,64,76,576/-.

- **60.09%** of final year students secured **placements** in reputed organisations **or pursued higher education** with an overall **success rate** of **15.75%**, in state/national/international competitive exams.
- **60.12%** of students took advantage of the guidance for competitive examinations and career counselling offered by the Institution
- **Constant and continuous** encouragement from the intuition helped our students to win **33 accolades** in **sports and cultural events** with representation in **41.6 programs per year** on an average.
- **136 capacity building and skill enhancement initiatives** were arranged, with due emphasis on **Soft Skills, Life Skills, ICT and Language and Communication** etc. The “**Skill India**” campaign by the Hon. PM, and the roll out NEP, has provided further momentum for these activities.

We value **Alumni** as an integral part in our success. The college has a registered **Alumni association - AAKASHIEN (Alumni Association of Kalady Adi Shankara Institute of Engineering and Technology)** with around **7,000 members** and a **corpus fund of Rs. 67 lakhs**. Contributions of **Alumni Association** are not limited to **annual awards, financial supports and sponsorships** for programs and campus upgrades. Alumni also share insights as **resource persons** and facilitate **internship opportunities, bridging Industry-Academia gap**. **Annual and Decennial gatherings** along with active participation in institutional events elevates the interactions to higher levels.

We also follow a **transparent and time bound mechanism for grievance redressal**, aligning with guidelines of statutory/regulatory bodies/agencies.

Governance, Leadership and Management

Under the governance of **Adi Sankara Trust**, and gracious blessings of **Sringeri Mutt**, ASIET emphasizes on **decentralization and participative management** through the following councils who look after the progress and development of the institution with clearly defined Vision, Mission and Objectives.

- **Governing Body**
- **Management Council**
- **College Council**
- **Internal Quality Assurance Cell**
- **Academic Council**

This fosters a **distributed governance system** with enhanced efficiency and **accountability**. Administrative responsibilities at ASIET are **decentralized, with department heads and functional committees** which are entrusted with specific roles.

In addition, the **representatives of staff and student** act as members of appropriate cells like:

- **Anti-Ragging Committee**
- **Grievance Redressal Cell**
- **Industry-Institute Partnership Cell**
- **Institute Innovation Cell**
- **Women Empowerment Cell**

ASIET upholds Indian culture and heritage through events like “**Thyagaraja Aradhana** - a classical rendition of famous **Pancharatna Kritis**” and “**Brahma** – a showcase of classical music and dance forms”. Furthermore,

ASIET's **Adi Shankara Digital Academy (ASDA)** platform offers online courses in **Vastu Shastra, Vedic Mathematics, and Yoga**. These courses cater to both internal and external participants, aiming to extend educational reach and provide opportunities for upskilling rooted in **traditional Indian knowledge**.

The institute follows a **4 stage Performance Appraisal System** for both teaching and non-teaching staff. **Welfare of teaching and non-teaching staff** is always a prime concern in addition to the avenues provided for career development through study leaves, its **IEDC, IIC IPR Cell** etc.

- **307 faculty members (41.57%)** benefited from the **financial support** system during the assessment years.
- **439 Faculty and 27 Nonteaching staff members (51.21%)** attended **developmental programs**

Institution promotes the **mobilization of resources** from various source through **collaborations** and projects with **proper auditing** on the utilization.

At ASIET, **IQAC** takes a lead role in **planning, reviewing and implementing strategies**. We always **encourage external as well as internal audits/feedbacks**, which serve as a self-diagnostic tool and provide valuable inputs in the path ahead. Approved **policies** are disseminated among the stakeholders and **practiced impartially without any discrimination**.

The approved **strategic plan serves as the decree** of the ultimate goals of the institution in the future.

Institutional Values and Best Practices

ASIET promises **equal opportunities** for all establishing an **ambience of gender equity** through **guest lectures, seminars, workshops, awareness campaigns**, etc. under the guidance of following **forums** with a **fair representation of Women**:

- **Gender Equity Cell**
- **Women Empowerment Cell**
- **Grievance Redressal Committees**
- **Anti Ragging Cell**
- **Internal Complaints Committee**

Policies fostering **Gender Equity, Grievance Redressal, Human Value & Professional Ethics** and **Anti Ragging** etc. ensure the inclusiveness of all, right from admission.

- **Safety and Security** is ensured with the **Surveillance Camera Networks, Security and Vehicle Pass System**.
- Advanced **firewall** system to enhance protection against cyber threats and unauthorized access, ensures the **safety of data and information**.
- **Counselling and Mentoring** services clubbed with the **ICC, Anti-Ragging and Discipline Committees**. **Prompt & timely interventions** safeguard the well-being and rights of stakeholders.
- Affordable **transportation facilities** and **separate hostel facilities** also add to the efforts.
- **Brahma** - our iconic annual **techno cultural fest** is well participated by **students from various states**.
- Thus students are **sensitized to cultural, regional, linguistic, communal, and socio-economic diversities**, fostering a spirit of understanding and cooperation in community.

- Every year, the **Arts festival, Onam, Christmas, and Navratri festivals** are celebrated highlighting **moral and ethical values**, bringing students together promoting communal diversity.
- **Students admitted** to various programs from **all over the country**; ensures the regional and ethnic diversity.
- **College Magazine and Newsletters** promotes linguistic diversity

With **Solar Power Plant, Proper Waste Management, other Green initiatives and Audits** we aim at a **Sustainable Development**. We try to maintain the natural habitat by **preserving trees during the constructions and infrastructure developments**.

ASIET was in the fore front of the **relief activities** during **Floods in 2018 and Covid Pandemic**.

We strive hard to **Excel in Innovation, Incubation, and Entrepreneurship** and **Foster Professional Growth and Student Excellence** through the activities of our cells and Professional Society Chapters.

Moulding Professionals with Social Commitment by Empowering Communities and Protecting the Environment is targeted through the **Extension and Outreach** activities of the institute mainly under the leadership of **NSS units**; paving our way to excellence.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	Vidya Bharathi Nagar, Mattoor Road, Kalady, Ernakulam
City	ERNAKULAM
State	Kerala
Pin	683574
Website	www.adishankara.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	M S Murali	0484-2463825	9871561711	-	info@adishankara.a c.in
IQAC / CIQA coordinator	Bobby Mathews C	0484-2466066	9446472170	-	bobby.ec@adishan kara.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Kerala	A.P.J. Abdul Kalam Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Appraisal details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	21-06-2023	12	

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Vidya Bharathi Nagar, Mattoor Road, Kalady, Ernakulam	Rural	10	69784

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Electronics And Communication Engineering, Electronics and Communication Engineering	48	XII Std	English	100	84
UG	BTech,Electrical And Electronics Engineering, Electrical and Electronics Engineering	48	XII Std	English	63	45
UG	BTech,Computer Science And Engineering, Computer Science and Engineering	48	XII Std	English	198	194
UG	BTech,Mechanical Engineering,Mechanical Engineering	48	XII Std	English	63	31
UG	BTech,Civil Engineering, Civil Engineering	48	XII Std	English	63	25
UG	BTech,Robotics And Automation,Robotics and Automation Engineering	48	XII Std	English	66	46
UG	BTech,Electr	48	XII Std	English	63	56

Self Study Report of ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

	onics And Biomedical Engineering,Electronics and Biomedical Engineering					
UG	BTech,Artificial Intelligence And Data Science,Computer Science and Engineering Artificial Intelligence	48	XII Std	English	66	64
UG	BTech,Artificial Intelligence And Data Science,Computer Science and Engineering Data Science	48	XII Std	English	32	28
PG	Mtech,Electronics And Communication Engineering,VLSI and Embedded Systems	24	B Tech	English	18	0
PG	Mtech,Electronics And Communication Engineering,Communication Engineering	24	B Tech	English	18	0
PG	Mtech,Electrical And Electronics Engineering,Power Electronics	24	B Tech	English	18	2

Self Study Report of ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

	and Power Systems					
PG	Mtech,Computer Science And Engineering,Computer Science and Engineering	24	B Tech	English	18	2
PG	MBA,Adi Shankara Business School,Business Administration	24	UG	English	120	85
PG	MCA,Computer Application,Computer Application	24	UG	English	60	24
Doctoral (Ph.D)	PhD or DPhil ,Electronics And Communication Engineering,	60	PG	English	16	8
Doctoral (Ph.D)	PhD or DPhil ,Electrical And Electronics Engineering,	60	PG	English	12	0
Doctoral (Ph.D)	PhD or DPhil ,Computer Science And Engineering,	60	PG	English	8	1
Doctoral (Ph.D)	PhD or DPhil ,Mechanical Engineering,	60	PG	English	6	0
Doctoral (Ph.D)	PhD or DPhil ,Electronics And Biomedical Engineering,	60	PG	English	4	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	6				25				104			
Recruited	6	0	0	6	15	10	0	25	32	72	0	104
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				61
Recruited	39	22	0	61
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				35
Recruited	14	21	0	35
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	6	0	0	12	6	0	2	1	0	27
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	32	76	0	108
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	2	0	0	2

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Self Study Report of ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	235	1	44	0	280
	Female	201	0	37	0	238
	Others	0	0	0	0	0
PG	Male	24	0	0	0	24
	Female	45	0	0	0	45
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	1	0	0	0	1
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	5	1	3	1
	Female	4	1	7	4
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	31	17	32	19
	Female	48	13	38	33
	Others	0	0	0	0
General	Male	230	240	239	210
	Female	269	283	261	221
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		587	555	580	488

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Our Institution has the vision of setting a benchmark for providing quality technical education in the field of Engineering and Technology. Through the collaborative approach of teaching-learning, Innovation, and Research the Institute transforms itself into a holistic multidisciplinary institution. The Institution is keen on promoting a multidisciplinary approach among the students' community thereby facilitating the young minds to solve day-to-day societal problems through NSS and other student chapters. STEM (Science Technology Engineering and Mathematics) has been actively inculcated in a lot of student activities for integrating humanities and Science with STEM. It develops a multidisciplinary
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	<p>approach among students by applying the concepts of Science, Engineering, and Mathematics. We conduct the Young Scientist Award and APJ Abdul Kalam Innovation Challenge to enable STEM concepts among students. Mathematics Club organizes various competitions, seminars/talks, and exhibitions in this regard. We regularly organize project exhibitions to inculcate the STEM approach in the Teaching learning process. Being an affiliated Institution, we follow the curriculum and syllabi offered by APJ Abdul Kalam Technological University, Kerala. The University offers non-credit mandatory courses that emphasize safety, health, environment, sustainable engineering, the constitution of India, life skills, and Disaster Management towards the attainment of holistic and multidisciplinary education. The Institution is planning to offer a multidisciplinary flexible curriculum that enables multiple entries and exits at the end of 1st, the 2nd, and 3rd years of undergraduate education, once it becomes autonomous. The Institution has taken the necessary steps to become an autonomous Institution shortly. The Institution has different research labs like the Center for Antenna Design, Bioinformatics Research Lab, Data Analytics Research Lab, Multimedia Research Lab, IOT Innovation Lab, Advanced Resource Center for Information Security and Embedded Systems Lab (ARISE Lab), Advanced Communication Lab, Computational Research facility, Renewable energy Lab, Cyber forensic Research lab and many more to meet today's challenge and provide solutions in multidisciplinary research areas. We conduct project exhibitions and Hackathons to encourage multidisciplinary research aptitude among students.</p>
2. Academic bank of credits (ABC):	<p>Kerala Technological University is undergoing the transition process of implementing the NEP, and there is readiness and institutional preparedness from ASIET to welcome the ABC system. Our students have created Digi Locker accounts, which will allow them to seamlessly integrate with the ABC platform in the future. Through our associations with SWAYAM and NPTEL, students can enroll in credit-awarding courses that align with their academic programs. Faculty members are also encouraged to register for these courses, which are considered equivalent to Faculty Development Programs (FDPs).</p>

	<p>Students can earn credits through NPTEL courses towards their minor and honor degrees, providing them with multidisciplinary exposure. Our institution maintains an active NPTEL local chapter to monitor and support these initiatives. We actively encourage our faculty members to participate in the preparation of syllabi, course materials, textbooks, and educational videos. Additionally, we promote digital and online learning across multidisciplinary domains through the Adi Shankara Digital Academy (ASDA), inaugurated by the Honorable Vice President of India, Sri Venkaiah Naidu. ASDA offers technical courses as well as courses on Yoga, Vastu Shastra, Natyashastra, Kayaking, and more.</p>
3. Skill development:	<p>We have established over 20 active MOUs with industries and organizations to provide skill-based training, internships, seminars, expert talks, field visits, and project opportunities for both students and faculty. Various skill development courses are integrated into our curriculum, leveraging the framework provided by the Institution Innovation Council (IIC) and the Innovation and Entrepreneurship Development Cell (IEDC). These initiatives ignite entrepreneurial zeal among students by offering comprehensive training on various aspects of entrepreneurship. Our participation and consistent high rankings in IIC and ARIIA underscore our commitment to fostering innovation and entrepreneurship within our institution.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>As an affiliated institution, we offer non-credit mandatory courses that focus on Professional Ethics, the Constitution of India, Life Skills, and Sustainable Engineering. We emphasize a bilingual mode of instruction, particularly during tutorial sessions, lab sessions, and remedial classes, to enhance comprehension and accessibility for all students. The ASIET library proudly houses a collection of books on the teachings of Adi Shankaracharya and Sanskrit literature under the Shankara Sara Sangraha (Shankara Corner). Our institution regularly organizes Thyagaraja Aradhana (recitation of Pancharatna Kritis) and dedicates a day to performing classical art forms, promoting Indian culture and traditions during our annual national techno cultural event Brahma. National and regional festivals, along with days of significance, are celebrated on campus to foster cultural awareness and unity. During the</p>

	celebration of Azaadi Ka Amrit Mahotsav, we have conducted a series of talks on Viksit Bharat, highlighting our commitment to the nation's progress and development.
5. Focus on Outcome based education (OBE):	Our institution has been rigorously implementing Outcome-Based Education (OBE) in teaching, learning, evaluation, and continuous improvement. Our B.Tech programs in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, and Civil Engineering are proudly accredited by the National Board of Accreditation (NBA). As an affiliated institution, ASIET is committed to adhere to the curriculum and Programme Outcomes established by Kerala Technological University. Several of our faculty members actively contribute to the university's Board of Studies, playing key roles in designing curricula for their respective programs. The Internal Quality Assurance Cell (IQAC) is dedicated to facilitating the seamless integration and execution of OBE within the institute. The Department Advisory Board (DAB) and Program Assessment Committee (PAC) meticulously review the entire process, providing periodic recommendations for enhancement. We place significant emphasis on equipping our faculty with the necessary support to familiarize students with the intricacies of OBE, ensuring a comprehensive and effective educational experience.
6. Distance education/online education:	Our institute is registered as a SWAYAM and NPTEL local chapter, providing opportunities for students to earn extra credit specializations. Additionally, we have implemented virtual labs for many of our laboratory courses through our partnership with the Virtual Lab at NIT Surathkal. We incorporate various innovative teaching methodologies, such as experiential learning, flipped classrooms, and blended learning, to effectively deliver our curriculum. These approaches ensure a more engaging and comprehensive educational experience for our students.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, the Electoral Literacy Club (ELC) was established at Adi Shankara Institute of Engineering and Technology in 2023. It plays a vital role in educating students about their electoral rights and responsibilities, as well as promoting the values and principles of parliamentary democracy. This education is essential for fostering an engaged, informed, and active citizenry.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, the faculty coordinators and student coordinators are appointed by the college. Prof. Kiran K S, Assistant Professor in the Mechanical Engineering Department, and Prof. Ashna Mohan, Assistant Professor in the Electrical and Electronic Engineering Department, serve as the faculty coordinators. Electoral Literacy Clubs (ELCs) at Adi Shankara accurately reflect the diversity and composition of the student body they serve. It includes members from various backgrounds, perspectives, and demographics, ensuring that the club's activities and initiatives are inclusive and representative of the entire student population. The students take the lead in organizing and conducting various activities. The club provides a platform for students, including those from NSS and HSG Cadets, to take on leadership roles, plan events, and engage their peers in understanding their electoral rights and responsibilities, thereby promoting the values of parliamentary democracy.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	The Electoral Literacy Club (ELC) at Adi Shankara Institute of Engineering and Technology (ASIET) has undertaken several innovative programs to enhance electoral participation and awareness, demonstrating a commitment to promoting democratic values and inclusive voter participation. The ELC of ASIET, in collaboration with the District Administration Ernakulam, NSS, and Hindustan Scout and Guide, organized a comprehensive "Voters Awareness Program" aimed at enlightening students about the significance of active participation in the electoral process. This included live training sessions on the Voting Machine and VVPAT Machine, as well as conducting mock elections and SVEEP Ambassador selections. Additionally, the club organized a one-day campaign program titled "Mere Pahla Vote, Desh Ke Liye". The primary objectives of the campaign were to promote electoral literacy among first year and

	<p>second-year students, facilitate the pledge-taking ceremony for voting, and raise awareness about the pivotal role of voters in a democratic nation. The club actively collaborates with the district administration for various voter awareness interaction programs with the public and participates in quizzes, debates, and other activities. These initiatives underscore the club's proactive and inclusive approach to fostering a strong culture of democratic participation.</p>
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	<p>In collaboration with the NSS unit of ASIET, we conduct awareness drives to help students and public to understand their electoral rights and responsibilities, thereby promoting the values of parliamentary democracy. These drives include workshops, seminars, and interactive sessions with electoral experts. Additionally, in collaboration with the District Administration of Ernakulam, our volunteers participated in various election campaign activities. The college actively creates and disseminates educational content on electoral processes, voter rights, and democratic values. This includes brochures, and social media campaigns designed to reach a broad audience. The institute collaborates with local government bodies, NGOs, and other institutions to promote electoral literacy and participation. These collaborations often result in joint initiatives and programs that have a wider reach and impact. The college hosts workshops and training sessions on the use of voting machines and VVPAT machines, ensuring that students and the community are familiar with the voting technology and processes. Through these initiatives, ASIET actively contributes to the advancement of democratic values and increased participation in electoral processes, reinforcing its role as a socially responsible institution.</p>
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	<p>Over 95% of students at ASIET aged 18 and above are registered on the voter list. Thanks to the proactive efforts of the ELC club, this led to a 100% voter turnout among eligible voters in the nearby Lok Sabha election of 2024.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
2092	2029	1976	1949	2010
File Description		Document		
Upload Supporting Document		View Document		
Institutional data in prescribed format		View Document		

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 241

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
135	139	145	147	166

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
975.0041568	620.3836095	329.7592205	636.9343523	793.3414175

Self Study Report of ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

File Description	Document
Upload Supporting Document	<u>View Document</u>

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Adi Shankara Institute of Engineering and Technology, affiliated to APJ Abdul Kalam Technological University, **strictly adheres to the University curriculum, syllabi and academic calendar.**

The Institute follows **Outcome Based Education (OBE)**, with assessment parameters: **Program Outcomes (POs), Program Specific Outcomes(PSOs) and Program Educational Objectives (PEOs).**

Internal Quality Assurance Cell (IQAC) ensures curriculum planning, delivery, assessments, and quality improvement and sustenance of academic and administrative activities of the Institution with the support of the **Department Advisory Board (DAB) and Programme Assessment Committee (PAC).**

Curriculum Planning

- **Institute Academic Calendar**, incorporating **curricular, co-curricular, and extracurricular activities**, aligned with **University's Academic Calendar**, is **prepared by IQAC** and is approved by the **Academic Council**. Subsequently, Department calendars are prepared and disseminated.
- **The Master Timetable** is prepared by the **Timetable Committee** and gets the approval of the Academic Council.
- The courses are divided into **Streams headed by Stream Coordinator**.
- Following the **course allocation** by the HOD, based on subject expertise/preference of faculty, **Course Delivery Manual (CDM)** prepared by course instructor (CI) is verified by Stream Coordinator and approved by Academic Head/Dept., IQAC coordinator and HOD.
- **Course Outcomes (CO)** for the courses are defined by CIs in line with the syllabus and curriculum and mapped to POs and PSOs on a '3-point scale'.
- **Value-added/certificate courses and training programs on content beyond syllabus** are planned, offered and mapped into CO/PO.
- **Faculty members** are actively involved in the **curricular design of the university** as members of various **Boards of Studies** of the university.

Implementation

- Conventional teaching methodologies and **ICT-enabled instructional approaches** like **Google Classroom, LMS platforms, SWAYAM/NPTEL/MOOC courses, and virtual labs**, ensure effective curriculum delivery.
- **Pedagogical approaches** like **group discussions, tutorial sessions, seminars, industry**

projects, internships, and bridge courses are integrated into the curriculum.

- Participation in inter-intra-institute activities like **expert lectures, workshops, paper presentations, technical fests, and internships** are encouraged among the students.
- CI maintains the **subject file** with academic timetable, CDM, course materials, previous question papers, samples of learning activities, and internal assessment sheets
- The course content, delivery and assessment are **documented in the LMS Platform**.
- Slow learners** receive support through remedial classes, peer group learning, university exam preparatory classes, and notes.
- Audits by HOD, IQAC, and University** in addition to **Class/Course Committees, Advisory Meetings, and Surveys** monitor the effectiveness of the teaching-learning process.

Continuous Internal Assessment

- The **Academic Calendar** outlines the **schedule for the Internal Assessment Tests**.
- The **Internal Exam Cell** ensures the proper conduct and quality of internal tests.
- The stream coordinator and HOD **review and approve** two sets of question papers prepared in the pattern of university question papers by the CI, following **Bloom's Taxonomy**. The final set is selected by HOD.
- Student progress reports are accessible through the **LMS platform** used.
- The **Internal Exam Grievance Redressal Cell** ensures that the examination related grievances are resolved promptly.
- Assignments, Tutorials, Course Projects, daily performance evaluation and other Learning Activities** along with **Attendance and Internal Assessment Tests** contribute to continuous internal assessment as per the guidelines of the university.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 178

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 59.3

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1392	1151	1013	1343	1064

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

Being a KTU affiliated institution, programmes adhere to a set of curriculum that integrates **crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability** to enhance the learning environment. ASIET promotes activities based on these aspects in addition to the professional growth of students.

Professional Ethics

- Courses like **Constitution of India, Life Skill & Professional Ethics** empowers students in fundamental rights, skills and values needed in professional careers.
- All staffs and students follow **Institutional Values and Ethical practices**.
- **IPR cell** promotes **professional ethics, encourages respect for original work and fosters a culture of innovation and research integrity**.
- Plagiarism checks while publication and dissertation ensures academic integrity among the faculties and students.
- College organizes **seminars and workshops** in **Cyber Security, Ethical Hacking, Intellectual property rights** promoting **ethical conduct**.

Gender Equality

- In ASIET, all faculty and students are ensured equal access to resources and equal opportunities for participation in events.
- Committees like **Grievance Redressal Committee, Internal Complaint Committee, Discipline Committee and Anti-ragging Cell** ensure a safe, secure working environment for all.
- **Fair representation** of both **genders** in **college council, union, course/class committees, placement drives** etc., is ensured.
- IEEE affinity group - **IEEE WIE**, inspires women engineers to follow their academic interests in engineering and science.
- The **Women Empowerment Cell** at ASIET organizes programs to educate women about opportunities, health and legal aspects.
- The **Gender and Equity Cell** fosters **gender equality** by advocating for **equal rights, opportunities**, and awareness within the institution and broader community.
- Separate hostel facilities are provided for male and female students.

Human Value

- **Blood donation camps, visiting old age homes, narcotic awareness classes, cleaning drives** organized enhance **social responsibility** in students.
- **Universal Human Values Cell** organizes programmes instilling **Values and Ethics** among the students and faculty.
- **Hindustan Scout and Guide (HSG) unit** strives to develop the **inherent potential** of the students through **community service activities**.
- Students are supported and motivated to **undertake project works** focusing human values and prepare them to be **responsible for society**.
- ASIET's initiatives like "**VIDHYUTH**" - **Electrification of impoverished households** in the nearby communities, "**Home for Homeless**", **Volunteering in relief and rehabilitation activities during flood and covid pandemic**, has helped in **instilling human values** among its stakeholders.

- Observing national days of importance fosters the **values of citizenship, patriotism, service, and brotherhood**

Environment and Sustainability

- Courses like **Introduction to Sustainable Engineering, Disaster Management and Environment Health and Safety** make students aware of the factors affecting the society and ecosystem.
- Awareness sessions, seminars, field visit, nature camps, cleanliness drives etc., of “**Boomithrasena**” instill interest in **nature-conservation**.
- Institution also performs **energy audits and green audits**.
- Institute promotes student ideas that turn scientific discoveries into practical applications to bring **sustainable benefits to society**.
- Activities like ‘**Tree plantation**’ and ‘**Clean India - Swach Bharat Campaign**’ sensitize the students on **environment and sustainability**
- Institution promotes sustainable practices like **rainwater harvesting, green campus, waste management and installation of a solar power plant** to enhance **commitment on preservation of nature; reducing the carbon footprint**.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 65.06

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 1361

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from

various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 71.27

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
587	555	580	488	561

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
852	792	792	696	756

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list as published by the HEI and endorsed by the competent authority	View Document
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 31.56

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
88	32	80	57	52

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
209	197	197	182	194

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

**Student – Full time Teacher Ratio
(Data for the latest completed academic year)**

Response: 15.5

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

ASIET prioritizes **student-centric approaches**, enhancing the learning experience through **hybrid learning**, integrating **ICT-enabled education** with **conventional classroom techniques**, aligning with the **National Education Policy**. Faculty members adopt **cutting-edge pedagogical tools, methods and platforms** providing high-quality education.

Experiential Learning

- The knowledge and skills acquired in the classroom are applied during the courses like **Main projects, Mini projects, and Course projects**.
- **Project based learning** through Main, Mini and Course projects focus on societal issues, innovation and upskilling in line with **Prime Minister's "Skill India" vision**.
- **Industry supported/Research laboratories** provide hands-on experience in technical and research fields for students.
- **Internships** with different organizations improve students' preparedness for industry, exposure and comprehensive development.
- **School outreach programmes** are arranged as content beyond learning.
- **Value added courses** are being organized by student chapters and associations.
- **Laboratory courses** are made mandatory to enhance the students' skills and boost their confidence.
- Students are encouraged to participate actively in **funded projects, publish** their work in reputed journals, and apply for **patents**.
- **Creative undertaking beyond the scope of academic coursework** such as "Punarjani", "Amrit Sarovar - Jal Dharohar Samrakshan", Road Surveys, "Rebuild Kerala" initiatives, "River Rejuvenation", "Vidyudth", "Jyothirgamaya", Market Surveys, socially relevant innovative projects, Energy audit, Water quality Testing, GPS installation in school buses, Equipment repairing & Wiring at different organizations, mechanical waste utilization etc. are carried out.

Participative Learning

- **IEEE, CSI, IEDC, IIC, GDSC, Hack Club, FOSS cell, Tinkerhub, and Dept. Associations** of our institute organized seminars, **workshops, Interactive sessions** through which students developed their technical and entrepreneurial knowledge.
- **Exhibitions and contests** organized by our students as part of annual Technical Festival
- **Integrated Teaching and Learning includes Simulation assignments, MOOC courses, Seminars and Group Discussions** to encourage students to develop their critical thinking, problem-solving, and communication skills.
- **Field visits & Industrial Visits** help to experience real-world applications of the concepts they are learned in the classroom.
- **Expert Talk** by eminent industry experts are arranged to facilitate students to acquire real time knowledge in recent technologies.
- Students are motivated to participate in **National Innovation Contest, Smart India Hackathon, Professional Society Events, Project Expos, Gamathone, Value Added Courses, etc.** where students can explore their ideas and innovation towards awards and achievements.

Problem Solving Methodologies

- **Main projects, Mini projects, and Course projects**, prescribed in the curriculum ensures student involvement in innovative solutions to real-world problems.
- **Hackathons, Coding & Design contests** are arranged to test their coding skills and work on interesting real world challenges.
- **Project work in collaboration with industry** helps to acquire practical knowledge through interaction with industrialists/scientists.
- Students are motivated to publish their works in the **Journals/Conferences**.
- Students are encouraged to learn **Root Cause Analysis (RCS)** by active involvement in socially oriented projects in various engineering domains. The projects include **Water Body Conservation, Hybrid Energy Generation for Renewable Systems, Medical Robotics, Tidal Wave Variation Calendar and Landslide Prediction Systems** among others.
- The students were actively involved in Covid-19 projects during the pandemic.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
135	139	145	147	166

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 22.68

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
37	38	34	30	27

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The mechanism of **internal and external assessment** at our institution is characterized by its **transparency and efficiency**, ensuring fair academic evaluations in line with **University regulations**. Additionally, our **grievance redressal system is both time-bound and efficient**, providing students with a reliable channel to address any assessment-related concerns or disputes.

Internal Assessment Mechanism

- The institution follows the university's **continuous internal evaluation (CIE)** system, for all courses.
- Internal evaluation comprises **internal assessment (IA) tests, assignments, module tests, and attendance** for Theory subjects, and **daily performance** in the lab, timely submission of **rough**

- and fair reports, viva sessions, and internal exams for practical subjects.** Students are informed of these evaluation criteria in advance during induction and class hours.
- The institution's IQAC prepares the semester institute calendar, incorporating internal evaluation dates and aligning with the university calendar.
 - The Internal assessment schedule is posted on **notice boards** and shared via WhatsApp groups in advance.
 - In **compliance with Bloom's Taxonomy**, the **instructor** prepares two sets of **question papers** and evaluation schemes.
 - The **exam cell**, in consultation with the **academic head and HOD**, selects the **final question paper**.
 - On test day, the exam cell distributes question papers through invigilators with the **Principal's consent**.
 - Faculty members **communicate the evaluation scheme to students before publishing the results..**
 - HODs ensure time bound valuation of **internal exam answer sheets**.
 - Students can personally **review their assessed answer scripts, promoting transparency and clarity.**
 - After resolving **student grievances** IA marks gets finalized .
 - The IA marks are disseminated to parents and students through **our ERP Platform**, and conducts periodic **PTA meetings** for student performance reviews.
 - Regular **internal audits and external audits by the University** ensure the transparency of the assessment process.

External Assessment Mechanism

- KTU conducts **semester-wise assessments** where students can register for exams through the university portal when notified.
- University-appointed **invigilators and observers** will monitor the exams.
- Answer scripts are evaluated at **various camps**, and evaluators submit marks in the **KTU portal**.
- Final results are **published on the portal** and can be accessed through the login.

Efficient Grievance Redressal System

A. College Level:

- Students dissatisfied with their assessment can request **re-evaluation** from the instructor. If unresolved, they can escalate to the HOD for further review.
- A student can request a **retest** getting approval from the Faculty Advisor and HoD for **genuine reasons**.
- **Physically challenged** students can request exam venue changes through their exam cell coordinator.
- Grievances that are still unsettled can be brought to the notice of **Internal Exam Grievance Redressal Cell**.
- Internal **grievances are resolved** within a time bound of two days.

B. University Level

- **Student Grievances Portal** meets **AICTE** requirements, offering online resolutions with

tracking.

- Malpractices are reported to the observer and university on the same day.
- If the examination has **out-of-syllabus** questions, representation can be given by students to the University.
- Faculty can **suggest evaluation scheme modifications** through email.
- Dissatisfied students can **apply for revaluation or request a scanned answer sheet for scrutiny**.
- The university aims to provide **timely solutions** to resolve issues, typically within one to two months.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

ASIET follows **Outcome-Based Education (OBE)** by defining and assessing **learning outcomes**, thereby ensuring a structured and effective learning experience for our students. The integration of POs, PSOs, and COs extends beyond course preparation, material delivery, and assessment to encompass the broader institutional culture, benefiting all stakeholders.

Formulation of Program Outcomes (PO) & Program Specific Outcomes (PSO)

- Our institution adheres to the **twelve Program Outcomes (PO)** outlined by the **National Board of Accreditation (NBA)** and formulates two to four discipline-specific **Program Specific Outcomes (PSOs)** for undergraduate programs.
- For **postgraduate engineering programs**, we implement the three general Program Outcomes established by the NBA.
- Furthermore, our **MBA and MCA** programs are aligned with the twelve Program Objectives defined by NBA for MBA program.

Formulation of Course Outcomes (CO)

The **university specifies the Course Outcomes (COs)** provided in the syllabus, serving as a reference for course instructors to define COs. **Course Outcomes (COs) framed by course instructors** using revised **Bloom's Taxonomy action verbs** are incorporated into the respective **Course Delivery Manuals (CDMs)** and reviewed by the Stream Coordinator, Academic Head, and Head of the

Department. Instructors are encouraged to raise, rather than lower, the taxonomy level provided by the university.

Dissemination of POs, PSOs and COs

ASIET has implemented measures to **effectively disseminate the COs, POs and PSOs among all stakeholders of the institution.** This initiative aims to ensure comprehensive understanding among stakeholders regarding student expectations, enable educators to tailor their instructional approaches accordingly, and provide stakeholders with insights into the proficiency levels achieved by graduates.

A. Dissemination of POs and PSOs

- POs and PSOs are displayed in the **institute website, main corridors, entrances** and the notice board in ASIET.
- POs & PSOs are displayed in common areas including **seminar halls, auditoriums, laboratories and classrooms.**
- **HoD and Faculty Advisor** explains POs & PSOs to the students in the **Orientation and Advisory Committee meetings.**
- **Course Instructors** explain COs and its mappings to various POs and PSOs in the class.

B. Dissemination of Course Outcomes:

- In the preliminary sessions of every course, **the course instructor** explains the COs of the course.
- COs are written in the **course diary** to remind the faculty member of the expected outcomes.
- COs are **entered in LMS** and is available for faculties to view
- COs are **clearly indicated for every question in Internal Examination Question Papers** of all courses.
- Internal examination evaluation sheets display COs along with marks scored for each question

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

At ASIET, effective approaches to **assess and monitor student performance**, as well as the **evaluation of the attainment of POs and COs**, are practiced as part of **Outcome-Based Education**. **Continuous improvement** is prioritized through corrective measures if the desired outcomes are not met.

Assessment Process

1. Curriculum planning: - The Course Instructor (CI) formulates Course Outcomes (COs), CO-PO/PSO mapping, teaching-learning strategies, and assessment methods to evaluate each COs based on university syllabus and gaps identified from the analysis of CO and PO attainment in the previous academic year. This planning process is then reviewed and approved by Stream Coordinator, IQAC Head, Academic Head, and Head of the Department.

2. Implementation and Evaluation: - The planned assessment methods are executed by the CI, and the marks obtained for each CO are meticulously tabulated, employing Bloom's Taxonomy verbs.

3. CO Assessment Process: -

- **Target Level (TL) and Attainment Level (AL):** To establish TL and AL for IAs, learning activities, and university results, subjects are categorized into three groups. The Program Assessment Committee (PAC) sets TL and AL based on previous attainment, university results, difficulty, and other factors. If the CO is attained, AL increases in the following year to promote continuous improvement. If not, AL remains the same, and assessment plans are modified. Once AL reaches a saturation point, PAC modifies TL while maintaining the baseline AL.
- **CO attainment calculation:** The attainment of each CO is obtained by combining 80% of direct attainment and 20% of indirect attainment.
- **Direct Attainment:** Direct Attainment of CO is calculated with a weightage of 60% from internal assessments and 40% from University Exams. For internal assessments and university exams, CO attainment value is calculated based on, percentage of students attaining the set target. For example:

- If minimum 70 % of students scored the set target, attainment =3
- If minimum 60 % of students scored the set target, attainment =2
- If minimum 50 % of students scored the set target, attainment =1
- Otherwise, attainment = 0

- **Indirect attainment:** The indirect attainment is calculated from Course Exit Survey, which includes questions that cover all CO attainment levels.

4. PO -PSO assessment Process

- Initially, the Target Level for POs and Program PSOs is set by the respective PAC.
- **Direct PO-PSO attainment** for all curriculum courses and add on courses are tabulated.
- **Indirect PO/PSO attainment** is calculated from the Program Exit Survey/Employer Surveys or combination of similar surveys conducted upon program completion
- The Final attainment of PO/PSO = **80% of Direct attainment + 20% of Indirect attainment**
- At the end of each academic year, the attained PO/PSO levels are compared with targets. The PAC meetings assess the program's progress, set new target levels, and initiate action plans for continuous improvement of attainment for future student batches.
- The identified gaps and initiated action plans are discussed in the **Department Advisory**

Committee meetings and revised based on their feedback.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 84.3

2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
375	431	450	517	455

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
512	554	521	554	502

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 38.64

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
9.78728	2.09500	17.45500	5.90000	3.40000

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS),including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

The entrepreneurial drive and intellectual assets, centered on **innovation, intellectual property rights (IPR), and the Indian Knowledge System**, are showcased through numerous endeavors at various levels through vibrant cells and initiatives.

Centre for Innovation, Incubation and Entrepreneurship (CIIE), around 10000 sq.ft., consisting of **Fabrication Lab, Innovation and Entrepreneurship Development Centre (IEDC) and Technology Business Incubator (TBI)**, elevates entrepreneurial journeys. **Institution's Innovation Council (IIC)** fosters **research and innovation** culture among students and faculty. The **IPR Cell**, at ASIET plays a crucial role in fostering innovation and protecting the intellectual assets created within the institution.

- Over the past five years, more than **25 patents** have been published as a result of establishing an **IPR cell and registering in the Kapila Initiative by the Ministry of Innovation Cell**.

- **IEDC**, established in 2015, kindles **innovation and the entrepreneurial ecosystem** on campus. The Kerala Startup Mission selected ASIET's IEDC Bootcamp as the **best among the 216 IEDCs in the state in 2016, 2017, and 2018**. Additionally, ASIET received the **Entrepreneurship Enabler Award** in 2018.
- IEDC, with **Pre-incubation, Incubation and acceleration programs** offered to students and alumni, boasts a proven track enriched with **12 startups and more than 20 commercialized products**.
- In 2019, the **Kerala State Industrial Development Corporation (KSIDC)** sanctioned a **Business Incubation Centre**, which was subsequently recognized as an **MSME Business Incubation Centre by the Government of India** in 2021.
- The **Kerala Startup Mission** recognized ASIET's IEDC as a **Technology Business Incubator (TBI)**.
- In 2023, ASIET received the **LEAP** recognition from the Kerala Startup Mission.
- ASIET was recognized as a '**Band Performer**' in the **Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2021**.
- The **Institution's Innovation Council (IIC)** at ASIET received a **rating of 3.5** out of 5 stars for the IIC calendar year 2020-21.
- **ASIET FABLAB, a state-of-the-art initiative**, is designed to support faculty and students in converting innovative ideas into tangible products.
- Utilizing the research facilities, various **Consultancy Services** are offered to governmental and non-governmental organizations.

Promoting Indian Knowledge System (IKS)

- ASIET strives to integrate **IKS with modern engineering science** to provide students with a holistic educational journey rooted in values and traditional knowledge.
- To uphold **Indian culture and heritage**, ASIET involves faculty and students in a range of activities like "**Thyagaraja Aradhana**," featuring recitals of Pancharatna Kritis, performances showcasing **classical music and dance forms** of India, as integral parts of **annual National Techno-Cultural Festival "Brahma."**
- The **ASDA** (The Adi Shankara Digital Academy) platform, launched by the **Honourable Vice President of India, Sri M Venkaiah Naidu**, in 2021, catering to all, offers online courses in **Vastu Shastra, Vedic Mathematics, and Yoga**. ASDA aims to utilize its learning platform to extend its reach to students and graduates, providing opportunities for upskilling and empowering them with **knowledge rooted in traditional Indian culture**

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 52

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
12	9	10	7	14

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.34

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
5	23	32	15	6

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.43

3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
22	13	34	16	18

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

ASIET has impactful **community engagement** activities in the **neighborhood**, addressing key social issues and fostering social responsibility among students and faculty, thereby creating an ecosystem for **holistic development**.

ASIET received **51 awards**, including, Prestigious **National President Award for Best NSS Programme Officer & Unit for 2020-21**, presented by President Smt. Droupadi Murmu at Rashtrapati Bhawan on September 24, 2022.

The institution's extension activities are led by two units of the **National Service Scheme (NSS)**, **Ranger Rover unit of Hindustan Scout and Guides**, **Unnat Bharat Abhiyan (UBA)**, **Swachh Bharat Abhiyan**, **Ek Bharat Shreshtha Bharat**, and other clubs including,

- **BIS standards:** To sensitize on Indian Standards
- **Red Ribbon:** Creating Awareness on AIDS
- **Bhoomithra Sena:** Promoting environmental protection activities
- **Tourism:** To promote Tourism
- **Bhoomi:** Social Service Activities
- **Asaad Sena:** Promoting awareness against Drug abuse.
- **Road Safety:** Creating awareness of Road safety.

The **major extension activities** executed are

- “**Home for Homeless**”- Building houses for the needy.
- “**Vidhyuth**”- Free electricity to 105 households since 2013.
- “**Punarjjanii**”- Renovation of hospital equipment worth 1.5 crore.
- “**Paristhithikam**”- Nature Awareness program funded by **Directorate of Environment and Climate Change., Government of Kerala**
- “**Urjjakiran**”- Energy Awareness programs funded by **EMC Government of Kerala**.
- Project focusing on **air quality monitoring, flood alert systems, and distributing drinking water**; funded with **2.9 crores** by **MeitY, Government of India**.
- “**Baltemgyrate**” project to assist individuals with Parkinson’s disease
- Adopted **five villages** under the **Unnat Bharat Abhiyan** for rural development initiatives. Additionally, the NSS unit **adopted two more villages** for similar rural development efforts.
- **Flood Relief Centre**- 2018-19 floods.
- **Kaithangu**- flood relief material dispensation.
- “**Rapid Visual Survey**”- Inspection of damaged premises during the 2018 flood.
- **Rebuild Kerala Survey**- Assessment of damaged houses for District administration
- “**Do for Kerala**”- flood relief materials for nearby districts.
- **Green Protocol Implementation** for District Administration.

Activities during Covid 19 pandemic:

- Donated three refrigerators to First line treatment center and sanitizer units to Angamaly

railway station

- Awareness classes on corona precaution and prevention
- Developed ASIET's COVID care website to support COVID-19 activities.
- “Adi Shankara Jeeva Vaayu”- Developed a range of medical ventilators. Hon'ble Minister, V.S.Sunilkumar transferred it to General Hospital, Ernakulam.

Outreach Activities

- **Uddyotana**– For Higher Secondary Mathematics Teachers.
- **Mappathon**- Mapping of assets of 5 panchayats to the OSM map.
- **Career Guidance classes and Entrance coaching** for higher secondary students.
- **River rejuvenation project**, association with water resource department.
- **Consultancy** to Kochi metro.
- **Distributing lunch packets** to old-age homes.

NSS extension activities of Adi Shankara

- Awareness programs- **Anti-drug, No Tobacco Day**.
- **Water Quality testing** for houses in Kalady panchayat.
- **Coastal clean-up campaign**.
- **One student-One book campaign** - Distributed notebooks, bags, and study materials to flood zones.
- LED bulb-making training- **Kudumbasree** members.
- **Urjjakiran Rally and Signature campaign** in association with EMC, Kerala.
- Observation of Autistic Pride Day with **mentally challenged and old people** at care homes.
- Conducted **blood donation camps, medical camps, eye testing camps, and stem cell donation registration camps**.
- Volunteered **Jeevika 2022**, in coordination with **Nehru Yuval Kendra**.
- **Project Ganitham**- Support government school students in mathematics.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2**Awards and recognitions received for extension activities from government / government recognised bodies****Response:**

ASIET received **51 awards and recognitions** for its extension activities from government and recognized authorities.

September 24, 2022, ASIET's MT. Sri. K. Anand and NSS Programme Officer Prof. Sijo George were honored by Hon'ble President Smt. Droupadi Murmu with awards for Best NSS Programme Officer and Best NSS Unit in India for 2020-2021.

SL NO	Awards/Certificate of appreciation	Governmental/non-governmental
2022-2023		
1	Achievement Certificate for coordinating project-Ganitham	Kerala State NSS cell(Govt.)
2	Appreciation Certificate for organizing a voluntary Blood Donation Camp	KSRTC(Govt.)
3	Appreciation certificate for coordinating District Level Quiz Competition	Kerala State Excise Department(KSED)(Govt.)
4	Appreciation certificate in IEDC Summit	Kerala start-up Mission(Govt.)
5	Certificate of recognizing IEDC as a TBI	
6	IAS CMD Outstanding Member Award	IEEE Kerala Section(Non-Govt.)
7	Regional Exemplary Student Branch Award.	
8	Outstanding Student Volunteer award.	
2021-2022		
9	Appreciation for organizing State Level ENERGY CELL Annual Meet.	APJ Abdul Kalam Technological University(APJAKTU)(Govt.)
10	Best NSS volunteer award	
11	Best regional Coordinator of ‘Rudhirasena’	
12	Regular Blood Donor award	Terumo Penpol Pvt Ltd(Non Govt.)
13	Appreciation in District level competition Sparsham-21	Dept. of Higher-Education and KSED(Govt.)
14	Appreciation certificate for the service as coordinator to Covid Warriors	Kerala State NSS Cell(Govt.)
15	Appreciation certificate for organizing the maximum number of blood camps	APJAKTU NSS Cell(Govt.)
16	Appreciation certificate for exemplary service as COVID warrior cell	Dept. of Higher-Education (Govt.)
17	Appreciation Certificate for coordinating the virtual IEDC SUMMIT	Kerala Start-up Mission(Govt.)

18	Outstanding Branch Counsellor Award	IEEE(Non-Govt.)
19	Regional Exemplary Student Branch Award.	
20	Achievement Certificate for securing Overall Champion-Gold in Orion-2.0	
21	Outstanding Student Humanitarian Volunteer Award	
22	Outstanding Student Volunteer award	
2020-2021		
23	Appreciation Certificate to NSS unit	District Suchithwa-mission, Ernakulam(Govt.)
24	Best NSS program officer award	APJAKTU NSS Cell(Govt.)
25	Best NSS Volunteer award	
26	Best NSS unit award	
27	Best NSS unit Award	Dept. of Higher-Education(Govt.)
28	Best NSS Volunteer award	
29	Best NSS program officer	
30	National award for best NSS unit	Govt. of India
31	National award for Best NSS Programme Officer	
32	Featured in mygov.gov page as a best practice	
33	Appreciation for Innovative project	International Chamber for Service Industry(Non-Govt.)
34	Regional Exemplary Award 2020	IEEE(Non-Govt.)
2019-2020		
35	Best NSS unit award	Dept. of Higher-Education(Govt.)
36	Best NSS program Officer award	
37	Best NSS volunteer award	Kerala State NSS Cell(Govt.)
38	NSC Social Service Award	NSC(Non-Govt.)
39	Top Performer Award in FAB challenge	Kerala-Start-up- Mission(Govt.)
40	Outstanding Volunteer Award	IEEE(Non-Govt.)
2018-2019		
41	Best NSS unit award	Kerala State NSS Cell(Govt.)
42	Best NSS program Officer award	
43	Best NSS Volunteer award	
44	Best Swatch-Bharath Intern Award	
45	Appreciation for Punarjani	
46	Appreciation Certificate for	HK Mission(Govt.)

	green protocol implementation	
47	Appreciation Certificate for promoting 'Financial Inclusion' Scheme	Postal department(Govt.)
48	Certificate of completion of AQMS product	ITI(Govt.)
49	Entrepreneurship Enabler Award	Kerala-Start-up-Mission(Govt.)
50	Secured third position in Tech4seva	Kerala Agricultural University(Govt.)
51	Outstanding Student Volunteer Award	IEEE(Non-Govt.)

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 112

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
26	19	16	22	29

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 43

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The ASIET's campus spans 10 acres, featuring built-up area of 69784 sq.m. ASIET's utmost priority is on establishing, maintaining, and enhancing **infrastructure** for academic excellence. The classrooms are equipped with **ICT facilities** with **LMS, Virtual Lab** and innovative platforms to implement blended/hybrid learning methodologies for **effective teaching learning**.

Aligned with the Honorable **PM's Fit India movement and Yoga for Well-being** initiative, ASIET promotes health and mental well-being of inmates by offering state-of-the-art facilities for **yoga, sports, games, and physical health** activities

Classrooms Facilities:

- 100% classrooms are ICT-enabled with Wi- Fi internet connection and are well supported with projectors/interactive smart panels/LMS
- 85 Wi-Fi access points with 1GBps internet leased line support
- 75 LCD Projectors, 12 Smart Panels, 6 LED TV and 2 smart TV.
- ERP&LMS- Etlab & Linways
- 2 Conference Halls and a Board room for meetings and group activity
- 6 Seminar Halls, 2 Auditoriums among one is Open air

Laboratories: **76** laboratories(UG and PG) with state-of-the-art modern equipment and facilities for academic and research activities for all departments.

Virtual Lab: Ranked NO.1 Nodal center for Virtual Labs under NMEICT in Kerala

Computing Facility:

- Computers: 860
- Laser Printers and scanners: 64
- Internet Connectivity: 1 Gbps
- Back up Line: 100Mbps
- Internet Security: Fortigate 200F Firewall
- UPS facility for all Laboratories

Library:

- Reading area: 743 sq m
- Digital Library: 15 Computers with Internet and Knimbus Platform, Language Lab facility.
- Turnitin Plagiarism Software.
- Automation: KOHA and Bar coding
- Journals: 97
- E book: EBSCO
- E Journals: Carpet Area: 929 sq m.
- IEEE, ASME, JST, JSSH, DELNET, Science Direct.
- Access to National Digital Library, Shodh Sindhu and Shodh Ganga.
- Facilities for Divyangjan

Facilities for Cultural Activities:

- Open-air Auditorium with 1400 people seating
- ICT-enabled auditorium accommodating 400 individuals
- Main seminar hall with capacity of 280 attendees

Facilities for Yoga :

- Open air auditorium for daily Yoga Practice
- College auditorium for Sessions and observing Yoga Day

Availability of Sports Facilities:

- Badminton, Basketball and volleyball courts
- Cricket practicing nets
- Football ground
- Fully equipped gymnasium
- Indoor games facilities like Carrom board and chess board

Transportation Facility: The College offers **19** buses covering **4** districts to commute staffs and students.

Centralized valuation camp: The institute serves as the venue for centralized valuation camp, catering to nearby colleges affiliated with APJKTU, offering facilities.

Facilities for innovation, incubation and entrepreneurship:

- ASIET FAB LAB
- IEDC and Technology Business Incubation Center has currently incubated 10 startups founded by our alumni

Divyangan Facilities

- Ramps, Parking Facility, Wheel Chair

Other Facilities

- Canteen , Cafeteria
- Bank , ATM
- Reprographic center
- Central Stationery store facility
- Sick rooms
- Administrative Office and Corporate office
- Public Addressing System
- Parking facility for staff and students
- Facilities for professional body activities, student chapters and union

Upskilling Facilities

- Adi Shankara Digital Academy
- Adi Shankara Skill Kendra
- Placement and Training Cell

Waste Management Facilities

- Bin Composting Unit
- STP
- Incinerators

Energy Management Facilities

- Solar Power Plant
- Diesel Power Plant
- Substation

Water Resource Management Facilities

- Bore wells
- Rainwater Harvesting Unit and Water storage tanks
- Water Coolers-6
- Purifiers-21

Safety Facilities

- CCTV
- Fire Extinguisher

File Description	Document
Upload Additional information	View Document

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 24.37

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
269.27	107.68	29.43	113.77	297.57

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource**4.2.1**

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

The Central Library stands as a leader in digital advancement, featuring an **automated system** powered by ILMS. By offering extensive **subscriptions to e-resources and journals**, the library meets the varied needs of the inmates. Spanning across 929 square meters in the main academic block over two floors, the library offers a **tranquil environment for learning and research**. With seating for up to 120 individuals, ensuring ample space to explore the resources.

Features of the ASIET central library:

Carpet area : 929.03 sq.m.

Area designated for reading	: 743.224 sq.m.
No. of staffs	: 4
No. of staff with a degree in library management	: 3
Total Number of Volumes	: 38170
Total No.of Titles	: 14148
Computerization for search indexing, issue return records	: KOHA

By 2017, the library was automated by using **KOHA**, version 22.11.03.000. Leveraging its features for book circulation, gate register management, and an **Online Public Access Catalog (OPAC)** system, now the library operates with enhanced efficiency.

Enhancing Academic Resources: ASIET's Central Library **Subscribes E-Resources and OER Access** and offers an array of e-resources aimed at enriching reference materials in the fields of science, technology, and management studies. With **IP-enabled access to e-books** and various e-resources such as,

- IEEE ASPP by IEEE
- EBSCOHOST
- ASME
- JGatePlus (for Engineering and Management studies).
- DELNET
- Membership in National Digital Library of India (NDLI)
- DSPACE (version 1.7.0)
- KNIMBUS
- TURNITIN

Enhancing Learning Resources at ASIET Central Library

- The library is entrusted by a proficient Librarian, tasked with strategic planning, procurement of books, and ensuring the library's upkeep.
- Book acquisitions are tailored to meet the specific needs of various departments in alignment with the prescribed curriculum of their respective courses.
- The formation of a **Library Advisory Committee (LAC)**, comprising the Principal, Librarian, and other staff members, by conducting the regular meetings the committee fosters the efficient working of the library.

Curating Special Collections

Sankara Collections: ASIET Library boasts a dedicated compilation of 216 books of the philosophies of Sri Shankaracharya. This Corner promotes integration of traditional Indian philosophical insights into academics, incorporating the goals of NEP 2020 to integrate India's rich knowledge systems. The Sankara collection of Scholarly books and articles inculcate the human values by transmitting the tradition and culture towards the students and teachers without fading the value of **Indian Knowledge**.

System. ASIET offers **Divyangjan** facilities, the Indian Sign Language (ISL) Dictionary, National Accessible Library membership, JAWS talking screen reader, and WhitePrint journals, designed to improve communication, accessibility, and inclusion for disabled citizens. Library houses Focus Zone (for competitive examinations) and Linguistic Haven (for foreign language training), Reference Section and Digital Library.

Library Utilization Monitoring System

Monthly and yearly reports, generated through the library management system, provide insights into library usage, including:

- **Tracking** gate register readings.
- Recording daily borrowing and returning activities of materials by inmates via KOHA
- Evaluating the average utilization of electronic resources accessible through E resources

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

The institution updates its **IT facilities** to meet the modern requirements through latest innovative technologies and follows IT policy and E-governance policy to improve the **effectiveness of IT infrastructure**, the **E Governance policy** provides transparency across all departments.

- There are **860 computer systems available** in labs, HOD rooms, departments, and offices, with 777 for students and 83 for staff.
- Classrooms are equipped with **LCD projectors and Wi-Fi facilities** where faculty can use the technology for efficient learning.
- In 2022-2023, the institution possessed a total of **51 printers**, including 3 color printers. However, the count has hiked to 64 printers.
- **Video conferencing facilities** are available in seminar halls of respective departments.
- The campus has a **Central Computing Centre with 144 desktop computer systems** provided exclusively for general activities like internet browsing, coding, data entry, and online

examinations.

- The institution has **74 IP cameras** placed in classrooms and corridors, which can be monitored from Principal's cabin, exam cell, security cabin, and NOC room.
- **Reprographic services** are provided in the campus.
- Provisions for **cashless transactions** are made available for fee payments.

Internet & Wi-Fi Facility

- The institution ensures ample **internet bandwidth, with a capacity of 1 Gbps** by Asianet.
- Internet access is available in all classrooms, laboratories, offices, departments, and hostels via **Wi-Fi and high-speed connectivity** is provided through Ethernet/optical cable LAN services.
- ASIET has a **hybrid network topology of ring and star**. 23 nos of L2 manageable switches are used for Network segregation(LAN,Wifi and CCTV)
- **Microsoft Campus Licensing Agreement** governs the operating system of all computer systems in campus hence, all the computer systems inside campus are automatically upgraded to latest operating system versions released by Microsoft.
- **ERP system LINWAYS** was introduced in 2017 as part of up-gradation including admission, attendance marking, TC generation, fee payment, resource booking, conduct of examination, hostel administration, purchase and accounting modules. Currently ASIET makes use of ETLAB.
- **Biometric system** is enabled for automated attendance recording of staff.
- The institution utilizes the '**ZOOM webinar**' platform for hosting webinars with a capacity of almost 1000 participants.
- The institution maintains its own active **YouTube channels, social media handles, and newsletters**.
- Institution has developed '**VEMP**' for online event management and event conduction where multiple events/ programs can be coordinated simultaneously without any disruption.

Digitization of Library

- ASIET's fully **automated library**, utilizes **KOHA** to provide a user-friendly interface for searching documents and monitoring their status of issuance.
- In order to ensure safety and security of data, a **licensed Fortigate firewall** with web and application filters are used.

Internet Connectivity

Internet Connection	
Service Provider	Asianet
Bandwidth	1 Gbps (1:1 Leased Line)

Other Facility

- ASIET has **13 workstations and 85 wi-fi access points** located at different departments.
- A **Hi-Tech lab** with **TV AUDIO SYSTEM** and **SPEAKER** is available for conducting various expert talks.
- All computer laboratories are equipped with a **UPS Backup** of 30-minute. Additionally, the campus has 35 UPS installations and two diesel generators (160 KVA and 100 KVA) to guarantee continuous power supply.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3.2**Student – Computer ratio (Data for the latest completed academic year)****Response:** 2.69**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

Response: 777

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure**4.4.1*****Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)*****Response:** 31.34**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
346.17	250.14	80.44	199.28	175.61

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 72.42

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1566	1837	1480	1278	1122

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	View Document
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	View Document
Upload policy document of the HEI for award of scholarship and freeships.	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

- 1. Soft skills**
- 2. Language and communication skills**
- 3. Life skills (Yoga, physical fitness, health and hygiene)**
- 4. ICT/computing skills**

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 60.3

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1659	995	963	1372	1075

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1. Implementation of guidelines of statutory/regulatory bodies**
- 2. Organisation wide awareness and undertakings on policies with zero tolerance**
- 3. Mechanisms for submission of online/offline students' grievances**
- 4. Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 60.1

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
209	280	280	301	269

5.2.1.2 Number of outgoing students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
375	431	450	517	455

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 15.75

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2022-23	2021-22	2020-21	2019-20	2018-19
32	39	27	24	18

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 33

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
24	1	3	5	0

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 41.6

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
50	36	45	36	41

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

AAKASHIEN (Alumni Association of Kalady Adi Shankara Institute of Engineering and Technology)

The college has **registered Alumni association, AAKASHIEN** with registration number 127/IV/2023. It provides, interface for establishing a link between the alumni, staff, and students of ASIET. The association encourages alumni to participate in and contribute to academic and non-academic activities, and provide financial support to the college.

Fledging and Growth

- The Alumni Association of ASIET had a modest beginning in 2005-2006 and registered in 2023. It now counts more than **7,000 alumni members**.
- Every year, an **alumni meet** with large participation is held in the college in the month of April/May.
- For 2005 to 2009 batch graduates of the institute, a **decennial celebration** was organized in June 2019, and for 2010 to 2012 batch graduates, it was conducted in July 2022.
- Alumni stay connected with the institute through social media platforms like LinkedIn, Facebook, Instagram, and Twitter, enabling direct communication, networking, and community building with their alma mater and fellow graduates.

Contribution to the Alma mater:

The alumni support us both financially and non-financially.

FINANCIAL CONTRIBUTIONS:

The Alumni have created a corpus fund of **Rs. 50 lakhs**, the interest of which is being utilized for various activities in the college.

The Alumni Association has contributed a sum of **Rs. 30,19,382** over the last five years (2018-2023).

- **Empowering Education and Innovation:** The Alumni Association initiated a **scholarship**

program under which selected **projects will be awarded Rs. 30,000 per year**, benefiting students from all departments. Additionally, the Alumni contributed **Rs. 3.5 lakhs** for the National Level Techno-cultural Fest “Brahma” and “Gamethon”

- **Assistance in times of crisis** - During the flood of 2018, the Alumni supported ASIET students, staff and the public by donating **Rs. 3 lakhs**.
- **Infrastructural upgradation** - In 2022, the **Alumni** donated **Rs. 10 lakhs** for the **centralized Robotics lab facility**.

NON-FINANCIAL CONTRIBUTIONS:

1. **Associating with Internships and Project works**:-Alumni serve as valuable resources and mentors, supporting students in gaining practical experience and developing skills through internships and project work.
2. **Career and placement support**:- Alumni offer industry insights, share personal experiences, and provide guidance on navigating the job market. They offer recruitment tips, facilitate connections with employers, and introduce job opportunities.
3. **Alumni-led Innovation Ecosystem**:- Alumni who have founded startups deliver **guest lectures** to share their stories and challenges with students, fostering an **innovation ecosystem** within our institution.
4. **Bridging Industry-Academia gap**:-The institute maintains a robust Alumni feedback system focused on curriculum and campus ambience, gathering insights into industry-academia gaps and challenges. This feedback aligns the institution with industry trends, ensuring students receive a comprehensive education.
5. **Contributing Textbooks**:-Alumni contribute to the **growth and development of library resources** by donating books.
6. **Motivation and Knowledge sharing sessions**:- Expert talks by alumni enable students to learn about emerging trends and technologies in their field, providing practical insights on preparing for careers in the industry.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

Under the governance of the **Adi Sankara Trust**, ASIET emphasizes quality education, a holistic approach to student development, cultivates a sense of responsibility and civic duty. This commitment is upheld with gracious blessings of **Sringeri Mutt**.

Vision

To emerge as a Center of Excellence in Engineering, Technology and Management by imparting quality education, focusing on empowerment and innovation.

Mission

- Impart quality professional education for total upliftment of the society.
- Create congenial academic ambience that kindles innovative thinking and research.
- Mold competent professionals who are socially committed and responsible citizens.

To attain the vision in alignment with the mission, the institute always focussed on providing **outcome-based education** and an environment to develop innovative products through **Innovation and Entrepreneurship Development Centre**. ASIET aims to create **congenial academic ambience** which improves themselves to participate in research and funded projects.

NEP Implementation

ASIET upholds Indian culture and heritage through events like "**Thyagaraja Aradhana - a classical rendition of famous Pancharatna Kritis**", a showcase of classical music and dance forms during "**Brahma**".

Furthermore, ASIET's **Adi Shankara Digital Academy (ASDA) platform** offers online courses in **Vastu Shastra, Vedic Mathematics, and Yoga**. These courses cater to both internal and external participants, aiming to extend educational reach and provide opportunities for upskilling rooted in **traditional Indian knowledge**.

ASIET promotes online, self-paced learning as a local chapter for SWAYAM and NPTEL, contributing to the implementation of NEP goals.

Governance Mechanism

ASIET implements a streamlined governance structure that integrates **decentralization and participative management** among various councils:

- The **Governing Body** includes representatives from Adi Shankara Trust, technocrats, and academicians ensuring effective governance and well-being.
- The **Management Council** oversees all institutional affairs, including financial management, resource allocation, and infrastructure development.
- The **College Council** advises the Principal on routine institutional matters and manages day-to-day affairs, overseeing the operational aspects of ASIET.
- The **Academic Council**, chaired by Principal, collaboratively makes decisions on academic matters to uphold the excellence of all academic programs.
- The **IQAC** is effectively functioning in ASIET ensuring quality in all decisions and conduct of activities.
- Administrative responsibilities are **decentralized, with department heads and functional committees** entrusted with specific roles. This approach fosters a distributed governance system that enhances efficiency and **accountability**.
- Within departments, academic administrative tasks are delegated among faculty members to optimize operational effectiveness.

In addition, the **staff** act as members of various cells like

- Anti-Ragging Committee
- Grievance Redressal Cell
- Industry-Institute Partnership Cell
- Institute Innovation Cell
- Women Empowerment Cell

The **student representatives** participate in various cells ensuring effective execution of student requirements.

Case Study on Participative Management

Various **Committees** are formed at both department and institute levels to coordinate academic and non-academic activities. These are led by senior faculty members, and **regular meetings** are held to discuss issues and make decisions where they can actively participate and provide their critiques. Regular **monitoring** mechanisms ensure proper **implementation of policies** and decisions taken by committees. **Surveys** are conducted to collect feedback from inmates, external stakeholders, alumnis, parents and their suggestions are taken into account in the processes.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

The institutional **perspective plan** serves as a strategic framework that drives effective governance and operational efficiency. This is evident in the cohesive alignment of policies, administrative setup, appointment procedures and service rules. These elements collectively ensure that institutional bodies function efficiently and effectively, contributing to the overall success and advancement of the institution.

Various **institutional bodies** for efficient and effective functioning of the institute are

- **Governing Body:** Comprises management, academic, and industrial experts for effective governance.
- **IQAC** oversees quality enhancement measures.
- **Management Council:** Manages overall institutional affairs, including finance, administration, resource allocation, and infrastructure development. Includes management representatives, Sr. Associate Director, Principal, General Manager, Deans, and Department Heads.
- **College Council:** Advises Principal on routine matters, including department heads, physical education incharge, elected student representatives, and teachers.
- **Academic Council:** Decision-making body on academic matters chaired by the Principal. Includes Deans, IQAC coordinator, department heads, PG Coordinator, first-year coordinator, and placement officer.
- **Grievance Redressal Cell:** Addresses student grievances, forwarding appeals to the Principal with recommendations.
- **Internal Complaints Committee:** Confidentially handles complaints of sexual harassment, discrimination, and other grievances.
- **Women Empowerment Cell:** Empowers female stakeholders, addresses women-related issues, and ensures campus safety.
- **Research Cell:** Formulates publication strategy, manages funding, and oversees patents through respective department representatives.
- **Industry Institute Partnership Cell (IIPC):** Bridges academic knowledge with industry skills.
- **Faculty Professional Enrichment Cell (FPEC):** Enhances professional development of faculty.
- Various committees such as Admission, Student Council, Anti-ragging, Purchase, Library, PTA, Alumni, etc., support seamless operation of the institution.

Appointment and service rule

The appointment and service rules at our institution are designed to be **transparent and accessible, ensuring clarity and fairness** for all stakeholders.

Institute Perspective Plan (2017-2032)

The institution has prepared a well-defined perspective plan to fulfill academic development, extracurricular activities, research, social commitment, and ethical values. These targets have been set with extensive consultation with all institution stakeholders. Major thrust areas and actions identified in the development plan will lead the institution to become the ultimate goal - A Centre of Excellence.

The institution's goals are:

Short-Term Goals: Our immediate priorities include achieving NBA accreditation for all undergraduate programs, securing NSDC affiliation, enhancing extracurricular activities with a focus on ethical values, and entering the NIRF ranking band to bolster our institutional reputation.

Mid-Term Goals: Looking ahead, we aim to attain accreditation by statutory bodies and autonomous status, establish a skill development center, and foster collaborations with national and international universities to enhance student skills and global partnerships.

Long-Term Goals: In the long term, we aspire to attain Deemed University status, gain international recognition, and become a leading center of excellence in research and academic innovation, contributing significantly to societal development and global knowledge advancement.

Deployment of strategic plan (Case study)

30 KWp on-grid solar power plant

The Institution has installed a 30 KWp on-grid solar power plant at our roof top premises (Roof of Central Computing Facility - CCF Block) under the ANERT Solar Rooftop scheme and got approved by the Electrical Inspectorate, Government of Kerala in October 2017.

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document

6.2.2

Institution implements e-governance in its operations

- 1. Administration**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examination**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

Welfare measures for Teaching and Non-teaching Staff

ASIET implements several policies that support the welfare of staff members.

1. Financial benefits

- Gratuity is given to all the staff of ASIET
- Employees' Provident Fund (EPF) and Employee State Insurance (ESI) benefits are given to non-teaching staff.
- Group personal accident policy benefit
- Faculty members participating in the faculty development programmes (FDP)/conferences are entitled to claim the registration fee.
- Towards professional body membership, faculties are eligible to get 50% of the membership fee from the institution.
- Fee concessions are provided for the children of teaching and non-teaching staff.
- Free uniforms are provided to college bus drivers.

2. Facilities

- Banking facility: Banking and ATM facilities are available in the campus.
- Transport Facilities: Faculties are given 50% concession in college bus fees.
- Separate wellness clinic is available which is effectively run by a doctor from a reputed hospital nearby.

- Counselling facilities are available for both students and staff.
- Separate vehicle parking for faculties.
- A store and reprographic center.
- The college canteen is provided with separate seating facilities for staff.
- A well maintained cafeteria is functioning in the campus.
- Central Computing Facility (CCF).
- The College is fully Wi-Fi enabled.
- Annual recreational activities and free medical camps
- Women Empowerment Cell
- Internal Complaints Cell
- Grievance Redressal Cell
- Gender and Equity Cell

3. Leave benefits

- Duty leaves
- Paid medical leaves are allowed for staff in case of hospitalization.
- Paid block leaves
- Paid maternity leaves
- Study and Research leaves

4. Recognitions and Rewards

- Best teacher awards and appreciation letters are given to staff based on academic results achieved in University examinations.
- Staff are appreciated for their achievements in various academic and non academic activities.
- Staff are appreciated for scoring excellent in the performance appraisal process.
- Staff are given promotions based on their experience and qualifications.

Performance appraisal system

The institute has an adequate Performance Appraisal System for both teaching and non-teaching staff. Setting attainable goals helps to inspire employees and give them greater confidence. The Performance Appraisal System consists of 4 stages.

Stage-1: Self-assessment

All the staff members are required to submit a self-evaluation of their performance against the established performance metrics at the end of every academic year.

Stage-2: Supervisor assessment

The Head of the Department verifies the information entered by the faculty in the Evaluation/Assessment report, and will provide a score (out of 10) based on his/her performance.

Stage-3: Grading

A committee including Principal and HoD will evaluate the employee's performance against the

established performance metrics and provide ratings for each faculty.

Stage-4: Feedback and Appreciation

The committee provides feedback to every faculty member based on the evaluation report and areas of improvements are discussed and documented. The faculties having notable achievements are appreciated appropriately. Appreciation letters are also given to those faculties who get excellent results in university exams.

Avenues for career development and growth

- Conferences and FDP are organized at national and international levels
- IEDC, TBI and FABLAB
- Research cell

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 41.94

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
12	50	81	73	91

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 51.32

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
95	80	115	76	101

6.3.3.2 Number of non-teaching staff year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
35	34	35	37	37

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Institutional Strategies for mobilization and optimal utilization of resources and funds

The institution has a very reliable system in place to estimate its financial needs through annual budgets, to diversify its funding sources through resource mobilization, and to ensure that the funds raised are used effectively and efficiently. Before the commencement of every financial year, HODs submit their **proposals for budget allocation for the next financial year** under various heads of account. The management and the Principal review the previous years' actual expenses of the departments and the requirements of the present year as projected by the departments and thereafter, a consolidated budget is prepared. The consolidated budget is then submitted to the management for approval.

Funding Sources

- The institution's primary source of internal revenue comes from the **fees collected from students**. Another significant portion of the earnings comes from the hostel fees.
- The Institution also raises funds for a variety of purposes, such as departmental workshops and seminars, consulting services, faculty development programs, and sponsorship for a variety of student activities. **Contributions from alumni** are another source of raising funds.
- During holidays, the government and other organizations like TCS regularly **conduct exams in our computer labs on hire basis**.
- The faculty members and various cells of the **institution receive grants for research and innovation from Government and Non-Government agencies** like KSCSTE, CERD, RSM,

AICTE, KTU, Kerala Start-Up Mission etc.

Utilization of Resources:

All money received is transferred through the institution's accounts to ensure that the money that was raised is used for the intended purpose. **Internal and external audits** are performed to ensure efficient account management.

Financial Audits

Institution conducts **external and internal financial audits regularly**. It reviews and approves information and compliance with policies and SOPs. The Books of Accounts of the Institute are audited by the Chartered Accountants. As per the Income Tax Act, statutory audit is conducted once in a year by the designated External Auditors.

Internal Audit

All bills and vouchers are checked, verified and audited by the Audit and Accounts section before passing to the Principal/COO/ MT. A **committee, consisting of two staff auditors** (internally designated) conducts internal auditing of the accounts **once or twice during a Financial Year** and reports its findings for compliance.

External Audit

All the financial transactions of the college are **audited by statutory auditors annually**. They examine the institution's Book of Accounts and make assessments of whether it keeps accurate financial records. Accounts for sources of revenue and expenses are verified by the auditor. Additionally, check to see that statutory payments like TDS, Professional Tax, ESIC, and PF are made on time for their due dates and reconcile bank accounts. Audit observations/objections on any inconsistencies are handled within the given time frame as per 8th guidelines of the Statutory Auditors.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

Two best practices institutionalized as a result of IQAC initiatives are

Practice 1: Faculty competence and Student proficiency enrichment activities

- Various **Faculty Development Programmes** (FDPs) are organized to update faculty knowledge and skills to keep abreast of latest developments.
- Faculty and students get assistance to **publish papers** in reputed journals, get **research grants** and participate in conferences and workshops to enhance their research skills.
- Encourages **MOOC certifications** for faculty to provide them with in-depth domain knowledge.
- **Add-on courses** are provided through student chapters, clubs and associations units to help students gain additional knowledge and skills.
- Promotes **internships and industrial visits** for students to impart practical knowledge for making them industry ready.
- Initiatives for enriching **soft skills, language and communication skills, and ICT skills** are taken for enhancing the employability of students.

Practice 2: Nurturing Research and Innovation Ecosystem

- Computer Science, Electronics and Communication, Electrical and Electronics departments have become **research centers** under Kerala Technological University having 6 research guides and 23 research scholars with assistance of various research laboratories to kindle research interests.
- **Innovation and Entrepreneurship Development Centre (IEDC), Fabrication Lab and Technology Business Incubator (TBI)** are established for taking up the entrepreneurial journey to the next level.
- The institute established **Institute Innovation Council (IIC)** in association with the **Ministry of Human Resource Development**, Government of India.
- The ASIET IEDC received **Entrepreneurship Enabler Awards** and was selected as best **IEDC in the state in the years 2016, 2017 and 2018**.

IQAC reviews teaching learning process and ensures quality by using

- Auditing system
- Periodic review for ensuring outcome based education

Auditing system

There are two types of academic audits

- **Internal Audit:**

Internal audit is conducted department wise and each department will be informed one week prior to the conduct. IQAC prepares a schedule and list of auditors. Observations are documented and handed over to heads of departments and the Principal. Corrective actions are implemented in departments.

- **External Audit:**

The external audit is scheduled by the university and appoints an external auditor. External audit reports will be sent to the Principal and will be circulated to IQAC and to all departments. IQAC takes appropriate actions for comments made in the audit, keeps a record and forwards to the next IQAC meeting.

Periodic review for ensuring outcome based education

- IQAC representatives of each department reviews course delivery manuals. Stream coordinators, head of the department and IQAC representatives verify the **course outcomes**, their **mapping** to programme outcomes and programme specific outcomes, before commencement of semester. They check the attainment of course outcomes from the impact analysis report of the previous year and if not attained, the course instructor takes necessary steps to improve attainment.
- IQAC, stream coordinators and heads of departments collectively ensure standards of **internal examinations** by checking compliance of each question with specified Bloom's taxonomy levels.
- Prepares **academic calendar** and monitors progress of semester.
- Reviews **course conduct** and syllabus completion.
- Takes **feedback** on teaching effectiveness from students

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1. Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2. Academic and Administrative Audit (AAA) and follow-up action taken**
- 3. Collaborative quality initiatives with other institution(s)**
- 4. Participation in NIRF and other recognized rankings**
- 5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

ASIET promises **equal opportunities** for education, resources and support for students to their fullest potential ensuring **gender equity**. Various **Committees, relevant practices followed and facilities** provided to ensure **gender equality** are listed below.

A. Committees

These committees provide a **platform to raise concerns** and have established **policies and procedures** to establish an **ambience of gender equity**.

- **Gender Equity Cell**
- **Women Empowerment Cell**
- **Faculty Grievance Redressal Committee**
- **Students Grievance Redressal Committee**
- **Anti Ragging Cell**
- **Internal Complaints Committee**

Policies

- **Gender Equity Policy**
- **Grievance Redressal Policy**
- **Human Value And Professional Ethics Policy**
- **Anti Ragging Policy**
- **Safety Policy**
- **Admission Policy**
- **Scholarship Policy**

These cells work tirelessly to **empower the students** through guest **lectures, seminars, workshops, different awareness campaigns, and other welfare initiatives** yearly.

B. Safety and Security

- **Internal Complaints Committee** stays alert to prevent sexual abuse towards students and female workers.
- **CCTV** cameras installed at strategic locations for continuous surveillance, heightens security

inside the campus. CCTV footage can be **monitored at the Principal and GM offices.**

- The **vehicle pass system** designed to streamline access to parking areas ensures safe and secure parking.
- Advanced **firewall** system to enhance protection against cyber threats and unauthorized access, ensures the **safety of data and information**.
- **Anti-Ragging and Discipline Committees** safeguard the well-being and rights of students and prevent instances of ragging or misconduct, promoting a safe and respectful campus. **Prompt and timely actions on any concerns reported by students** are ensured.
- **Separate hostel facility with compound wall and resident warden** is provided for girls and women faculty.
- **Security officers** are deployed **24/7** within the **campus and hostels..**
- **College buses** are operational, between college and various destinations for commuting students and faculty members, ensuring **convenient and reliable transportation**.

C. Counseling

Counseling and mentoring services are primarily overseen by women tutors. Additionally, the **full-time counselor** available on campus enhances the extent of support. This commitment underlines the college's dedication to promote students' well-being and academic success.

D. Common Room

Almost every building has **adequate washrooms and common room facilities** for male/female students.

E. Curricular and co-curricular activities

- **Curricular activities:** Institution integrates crosscutting issues relevant to **Gender and Human Values into the Curriculum** through various courses to develop a deeper understanding of gender-related issues, and challenges, promoting empathy and respect.
- **Co-curricular activities:** ASIET organizes **National level techno cultural fest "Brahma"** and tech-fest "**Aswamedha**", **Arts and Sports days** yearly. Activities organized under various cells and associations of ASIET, also **promote gender equity and inclusivity**. An **International-level ideation challenge; "APJ Abdul Kalam Innovation Challenge - Young Scientist Award"** was organized for school and ASIET students, and the winner was acknowledged with a **trip to NASA, USA**.

F. Other relevant information

- **Admission procedures** strictly adhere to the University and Government norms without any discrimination on gender.
- **Administrative** responsibilities and roles are equally assigned among staff without any discrimination gender.

It is also made mandatory to have at least one **Lady Student Representatives in the College Union** from each class.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

Under the auspices of **The Sringeri Mutt, blessed by Sri Adishankaracharya**, ASIET is **devoted to foster an inclusive and harmonious society**. ASIET encourages students to **organize and participate** in programs hosted **in and out of the campus**. Thus students are **sensitized to cultural, regional, linguistic, communal, and socio-economic diversities**, fostering a spirit of understanding and cooperation in community.

Cultural and Regional Diversity

- ASIET Student Council organizes “Brahma”, A National Techno-Cultural festival incorporating technological and cultural competitions, performances, workshops nurturing creativity with cultural and regional Diversity
- “Thyagaraja Aradhana” featuring classical concerts by renowned musicians from Kerala, held annually in conjunction with Brahma, promotes classical music.
- The prestigious “Adi Shankara Sangeetha Kalashreshta Puraskaram” is awarded annually to artists of great renown.
- NSS volunteers participated in the Republic Day Parade, International youth exchange programs, National integration camps, and International seminars on “Ek Bharat - Shreshtha Bharat”.
- Every year, the Arts festival, Onam, Christmas, and Navratri festivals are celebrated highlighting moral and ethical values, bringing students together.
- Students from all over the country are admitted to various programs.

Socio-economic Diversity

- NSS units and Department associations conduct **social outreach activities** to help the needy people in the society.
- Projects such as “**Homes for the homeless**”, **electrifying homes, medical camps, distribution of food, repairing equipment in government hospitals, blood donation camps, and running awareness programs** promote socio-economic diversity.
- **Student welfare fund** is established to support the needy students.
- **Participation** of students in **NSS and Cells** are encouraged to inculcate social responsibility.

Linguistic and Communal Diversity

- The **College Magazine and Newsletters** showcase the literary talents of staff and students.
- The Student's Council is conducting various activities in connection with **Onam and Christmas programs** to promote communal diversity.
- Major events in college commence with the **Guru Ashtakam** in **Sanskrit**, paying homage to the revered teachers and mentors followed by **college prayer** played in **Sanskrit**, along with the display of translations..
- ASIET offered **German language training** with placements assistance for interested students.
- ASIET Library proudly houses the **Shankara Sara Sangraha**, a dedicated section featuring a comprehensive compilation of the **profound philosophies of Sri Sankaracharya**.
- Students participation in **interstate** programs **enables multilingualism**

Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens

- The **fundamental duties outlined in Article 51A of Part IV-A of the Indian Constitution are prominently displayed in the front lobby**.
- National festivals and special days emphasizing the **values, rights, duties and responsibilities of citizens** are celebrated.
- **Awareness campaigns, training and outreach programs**, to inherit human values coping with the constitutional obligations are organized to sensitize the future leaders.
- The programs such as **home renovation, electrification of poor houses, blood donation, flood relief and COVID related activities were conducted to promote duties and responsibilities of citizens**
- Awareness classes on **narcotic abuse, legal education, road safety, traffic rules, prevention of child labour, cyber laws, and significance of adopting plastic-free practices** etc. were conducted.
- A course on “Constitution of India” is delivered to fourth semester B.Tech Students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Best Practice 1: Excelling in Innovation, Incubation, and Entrepreneurship

Objectives

- Cultivate entrepreneurial culture through research and innovation.
- Conduct innovation and entrepreneurship activities.
- Organize workshops, seminars, and mentor interactions.
- Establish mentorship schemes with entrepreneurs and industries.
- Network with national entrepreneurship organizations.
- Develop products for societal and environmental applications.
- Provide facilities for prototype development and IPR registration.
- Host hackathons, competitions, and challenges with industry collaboration.

The Context

ASIET's Student Entrepreneurship Programme aims to catalyze and accelerate the entrepreneurial journey of young innovators. To promote innovation and entrepreneurship, ASIET has established the Centre for Innovation, Incubation, and Entrepreneurship, which includes a Fabrication Lab, Innovation Entrepreneurship Development Cell, Business Incubation Facility, LEAP Centre, IPR Cell, Institute Innovation Council, and Industry Institute Partnership Cell. These entities offer pre-incubation, incubation, and acceleration programs to stakeholders.

The Practice

ASIET has a startup and innovation policy to promote student and faculty-driven innovations and startups on campus. The IEDC, Adi Shankara TBI, IIC, IIPC, and IPR Cell actively contribute to this journey.

- **IIC:** Fosters a culture of continuous innovation through hackathons, ideation workshops, and innovation challenges.
- **IEDC:** Develops entrepreneurial skills, guiding students in transforming ideas into viable business ventures, with pre-incubation, incubation, and acceleration programs.
- **TBI:** Supports early-stage startups, providing a conducive environment for growth and development, resulting in 12 startups and over 20 commercialized products.
- **Fab Lab:** Encourages interdisciplinary collaboration, enabling students to bring ideas to life through rapid prototyping, with facilities including 3D printing, PCB milling, and more.
- **IIPC:** Bridges academia and industry, providing industrial exposure and organizing industry-collaborative workshops, conferences, and symposia.
- **IPR Cell:** Educates students and faculty on intellectual property, assisting in securing patents,

trademarks, and copyrights.

Evidence of Success

- 10 entrepreneurs, 12 startups, 56 patent applications, 36 industry collaborations, and external funding for product development.
- Young Scientist Awards for school students, with winners sent to NASA.
- Kerala Startup Mission recognized IEDC as a Technology Business Incubator in 2022 and LEAP Centre in 2024.
- Fab Lab received “Top Performer Award 2019-20” from Kerala Startup Mission.
- IEDC received the Entrepreneurship Enabler Award 2018 from Kerala Startup Mission.
- Kerala State Industrial Development Corporation sanctioned a Business Incubation Centre at ASIET in 2019.
- Recognized as an MSME Business Incubation Centre by the Government of India in 2021.
- Best Fab Lab Award in the state in 2019.
- Special recognition for Prof. Ajay Basil Varghese for his contribution to the startup ecosystem.
- Kerala Startup Mission listed Adi Shankara IEDC among the 31 Performing IEDCs in the State on March 8, 2018.
- Prof. Anuroop K.B. selected as the Regional Mentor of Change under Atal Innovation Mission.
- Products developed in the Fab Lab won national event prizes.
- During the pandemic, developed automatic hand sanitizer units, pulse oximeters, ventilator units, etc.

Problems Encountered and Resources Required

Identifying potential entrepreneurs is challenging, as not everyone is suited for entrepreneurship. Although students have innovative ideas and a supportive environment, many opt for employment over entrepreneurship. New government and education policies on student entrepreneurship could help address this issue.

Best Practice 2:Fostering Professional Growth and Student Excellence through Professional Society Chapters

Objectives

- Disseminate and update engineering and technological knowledge among members.
- Facilitate networking, knowledge sharing, and community engagement.
- Advance engineering knowledge through Research and Development (R&D).
- Encourage ethical behavior and professional conduct.
- Assist students in career planning, placements, and internships.

The Context

To realize ASIET's vision of becoming a Center of Excellence in Engineering, Technology, and Management, the Institute enhances student skills through professional society activities, including:

- IEEE Student Branches
- Institute of Engineers (India)

- Computer Society of India
- The Society of Energy Engineers and Managers (SEEM)
- American Society of Mechanical Engineers
- Biomedical Engineering Society of India
- The Robotics Society of India
- International Society of Automation
- Indian Society for Training and Development
- Indian Concrete Institute
- Indian Society of Mechanical Engineers

These chapters provide platforms for students to interact with professionals, participate in workshops, seminars, and conferences, and develop leadership and teamwork skills.

The Practice

The IEEE Student Branch at ASIET, inaugurated in 2011, includes various affinity groups and conducts seminars, workshops, skill development programs, conferences, project exhibitions, and competitions.

The IEI Student Chapter, established in 2018, promotes education and research, facilitates faculty corporate memberships, and provides a platform for students to develop technical, professional, and social skills.

The Computer Society of India (CSI) chapter offers skill development, industry exposure, networking, certifications, research, and community service through workshops, seminars, and conferences.

The SEEM Student Chapter, inaugurated in 2017, focuses on energy conservation and management awareness programs.

The ASME Student Chapter, formed in March 2017, organizes events focused on mechanical engineering.

The ISME Student Chapter, founded in 2016, advances engineering and technological information through workshops, webinars, and competitions.

The ISA empowers the global automation community through standards and knowledge sharing, technical competitions, seminars, training programs, and industry collaboration.

The Robotics Society, started in 2022, promotes student networking and knowledge sharing in robotics.

The BMESI Student Chapter, inaugurated in 2024, organizes conferences, workshops, seminars, and webinars on biomedical engineering.

The ICI Student Chapter, established in 2023, and the ISTD Student Chapter, inaugurated on 2022, conduct seminars, workshops, conferences, and exhibitions.

Evidence of Success

- IEEE Regional Exemplary Student Branch Award (2020, 2021, 2022)

- IEEE Best Student Volunteer Award (2018, 2019, 2021, 2022)
- IEEE Outstanding Branch Counsellor Award (2020, 2021, 2023)
- IEEE Kerala Section Outstanding Student Branch Award 2023 (Special Mention)
- IEEE ComSoc SBC received a grant of US \$480
- IEEE PES High Performing Student Branch Chapter Program (HPSBCP) Award 2022 with a cash prize of \$292
- IEEE Computer Society Outstanding Chapter Award (2019-20)
- IAS CMD Outstanding Member Award 2022 and Outstanding Chapter Chair in Region 10 (2022-23)
- SEEM National Level ‘Silver Award’ in Facility Category (2018)
- Students won prizes in the National Energy Auditing Competition (2018)
- IEI student chapters received grants for projects, conferences, and faculty development programs
- Students received scholarships from IEI
- ASME Student Section Recognition Program funding

Problems Encountered and Resources Required

The semester system necessitates alignment with the university timetable, making it challenging for students to organize and participate in professional society activities due to time constraints.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Molding Professionals with Social Commitment: Empowering Communities and Protecting the Environment.

Objective:

ASIET stands as an embodiment of academic excellence, committed to **serving society through technology**. The social service cell of ASIET has been pivotal in nurturing young technical minds toward social service since its inception. Inspired by the profound teachings of the revered seer, **Sree Sankaracharya**, the cell engages in the **holistic development of engineering students** through the activities of **NSS, Bhoomithrasena Club, ‘Home for Homeless’, and ‘Vidyuth’ under the Social**

service cell that nurtures **value-based education**. Its initiatives align with the institute's vision of creating competent professionals with social commitment, ethical integrity, and spiritual values.

Promoting Values:

College life at ASIET goes beyond academics, encompassing understanding social, environmental issues, and societal inequities. All engineering departments actively promote society-oriented projects and undertake consultancy work for local and government agencies, aligned with the institute's vision and mission under the social service cell's guidance.

NSS

A key element of the Cell is its dedication to social service through its **NSS** units, which engage in various community service initiatives in the neighborhood. Established in **2015**, the NSS unit has significantly impacted both the academic community and society at large, promoting intellectual development and a strong sense of social responsibility.

The NSS unit collaborates with various government and non-government organizations, such as the **Directorate of Environment and Climate Change, Shuchithwa Mission, Haritha Kerala Mission, Kerala Excise Department, District administration, Bhumi Club, BIS, and the Tourism Department**, to implement programs benefiting the environment and society. The NSS unit conducts **public awareness campaigns, cleanliness drives, Swachh Bharat programs, medical camps, blood donation drives, charity work, skill development programs, and free online tutoring** to support societal well-being.

The NSS unit, in collaboration with the **engineering departments and professional societies** at the college, has initiated several community service activities including **electrification of houses for the underprivileged, distribution of mid-day meals to needy individuals and residents of old age homes, training programs for school students and village women, library renovations, and river rejuvenation projects**.

The NSS unit and Program Officer were honored with the prestigious **NSS National Award from the President of India in 2021**. The NSS unit, along with its officer and student volunteers, has received accolades at the Directorate of Technical Education, university, and state for their active participation in social service activities, earning various awards for societal and environmental contributions.

Bhoomothrasena Club:

The Bhoomithrasena Club, in collaboration with the NSS, conducts various environmental protection activities. The ASIET community participated alongside the public in **renovating ponds**. Our students support the district administration by **implementing green protocols**. ASIET has actively engaged in the **Swachh Bharat Internship Program** by the Government of India, with activities earning public appreciation. Volunteers dedicated over 100 hours across different local bodies to this program.

ASIET conducts extensive **tree plantation programs** through various projects. The institute is also executing the **Paristhithikam project** under Directorate of Environment and Climate Change, Government of Kerala, to raise public awareness about environmental issues. The Energy Management Center Kerala selected our campus to host **energy conservation awareness** programs within the

Angamaly assembly constituency. The college maintains its natural aesthetics by preserving trees during the construction of the building.

Punarjjani Project:

This project aims to enhance infrastructure in government hospitals, focusing on repairing biomedical equipment, furniture, and electrical appliances, directly benefiting the underprivileged. The NSS unit of ASIET has restored facilities at Government Hospital Mattoor, Government Taluk Hospitals in Angamaly, Chalakudy, and Thrippunithura, and Ayurvedic Medical College, Thrippunithura. As the camp officer for the Mega Punarjjani Camp by the Directorate of Technical Education, the NSS Program Officer of ASIET coordinated restoration camps at Medical College Trivandrum, General Hospital Ernakulum, District Hospital Aluva, and Government Medical College Ernakulam.

Home for the homeless:

The ASIET community came together to **construct new homes for three families** whose houses were destroyed by heavy rain through the combined efforts and contributions of the NSS unit, Alumni Association, staff, and students. Volunteers generously offered their time and services to ensure the project's success.

Collaboration: Expanding Horizons:“Vidyuth”

"Vidyuth" is a social service initiative by the **EEE** department, aimed at **electrifying homes for economically disadvantaged families**. Launched in **2013**, this project has successfully provided **electricity to over 100 homes**, significantly improving the quality of life of individuals. The program continues to make a meaningful impact by addressing a critical need in the community

Response to flood

The college actively engaged in various services during and after the flood in different parts of the state. NSS volunteers and students participated in rapid visual surveys of affected houses in Kalady, Kanjoor, Sreemoolanagaram, and Manjapra Panchayats. They assisted the district administration in conducting **rebuild surveys** in Kalady Panchayat, performed water quality testing in collaboration with Pollution Control Board, **repaired electrical home appliances, inspected house wiring, and repaired generators** in Panchayat offices, markets, and crematoriums of Kalady Panchayat. Students carried out sanitization and cleaning efforts in various locations. Medical camps were organized to meet social commitments, and essential supplies like clothes, food, and cleaning materials were distributed in flood-affected areas of Kerala in 2018 and 2019.

Response to Covid Crisis:

During the COVID-19 pandemic, ASIET made significant societal contributions. ASIET developed and distributed **sanitizer dispenser units** to government institutions, including district administration offices, police stations, hospitals, banks, railway stations, and panchayat offices. To address ventilator shortages, ASIET build a **ventilator system** to Ernakulam General Hospital. ASIET created **software to assist COVID-19 volunteers** in Kalady and Vadakekara Panchayats. The institute's socially responsible activities included **distributing free masks and sanitizers, providing clothing and food to orphanages and old age homes, and donating materials and refrigerators** to First-Line Treatment Centers.

Conclusion:

A defining aspect of the institute's identity is its naming after the great scholar **Adi Shankaracharya** and its location at his birthplace, adding profound significance as a tribute to the revered seer. The social service cell's activities exemplify the institute's commitment to promoting higher education based on Sree Sankaracharya's ideals while preserving India's cultural heritage and foster intellectual growth and exchange.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

Over the years, our **students have been securing** the **University Ranks and awards** at several events and **competitions**. Our Women Volleyball team emerged as the **Champions of the APJ A Kerala Technological University** last year. In the past years, several students were **selected to the University Teams** for the Inter University competitions.

Our award winning **Business Incubation Centre** has served as a platform for the development of several entrepreneurial attempts and many has succeeded; generating a **total revenue of around 3 crores and employment for many**. We are proud to see our students perform well as entrepreneurs too.

Our students are not only **encouraged to participate in cocurricular and extracurricular activities** conducted by peer institutions but also to **organise events** as well. Institute has organised programmes like **APJ Abdul Kalam Innovation Award** and **Adi Shankara Young Scientist Award** and several **International and National conferences**. Many other events including an annual **National level, Techno Cultural Fest – Brahma**, **Cultural fest of the institute – Advaiya, Tech fest - Aswamedha** and the **Sports meet** are also organised regularly.

The students of the institution were in the forefront of **relief activities during the Flood in 2018** and the **Covid 19 pandemic**. Our institute was a **relief centre** accommodating several families. Multiple units of “**Jeeva Vayu**” – a **Ventilator System** developed at ASET were **transferred to the Government Hospital** during the Covid pandemic.

Centrally located in terms of road connectivity, it is adjacent to the **Main Central Road**, just 6 km from Kochi International Airport, and an equal distance to the Angamaly Railway station. It is around 30 kilometres away from the state’s commercial capital, Kochi.

We are committed to **inculcate social values and morals** in students. Keeping this in mind we indulge in **activities augmenting Women Empowerment and Social Welfare**. The **extension and outreach activities of the institute** for the upliftment of the neighbourhood, has given real life experiences to our stakeholders and paved the way in moulding them as **responsible citizens** of India

Concluding Remarks :

Adi Shankara Institute of Engineering & Technology (ASIET) ideally located in a tranquil setting and kindles vivacious memories of the **Serene Presence of Jagadguru Adi Shankara** under whose lineage the college is run. A defining aspect of the **Institute's Identity** is its **naming after the great scholar and preacher Adi Shankaracharya**. The **Institute's location at his birthplace, also adds profound significance** as a tribute to the Revered Seer. Our social service activities exemplify the institute's commitment in preserving Sree Shankaracharya's ideals and India's cultural heritage while fostering intellectual growth and exchange through higher education in science and technology. We continue to imbibe humility and oneness among our students.

We are committed to **promote sustainable development through conservation of nature and exploring**

alternative energy sources. Throughout the journey, though it's tedious we are **committed to uphold and impart the virtues and moral values.** We are also **pledged to develop and maintain a holistic environment for the overall development** of our students and wish that the future is brighter. We **look forward to collaborate more with renowned academic as well other organisations through engagements and activities** that shall lead us ahead and successfully **implement NEP.**

We prepare students for the worldly challenges and believe that the real meaning of education is **not completed merely through the classroom learnings and evaluations.** We shall continue to encourage students to engage in activities beyond the classrooms. **Twenty batches of students** passed out from the institute with flying colours, **occupying coveted and responsible positions in prestigious organizations in India and Abroad** make us prouder. With humble heads, We, the **ASIET Family strive hard** to churn out the best throughout this journey to **academic excellence.**

Om

Saha Nau-Avatu |

Saha Nau Bhunaktu |

Saha Viiryam Karavaavahai |

Tejasvi Nau-Adhiitam-Astu Maa Vidvissaavahai |

Om

Shaanthi Shaantih Shaantih ||

May the supreme self protect us all, the teacher and the disciple:

May the Eternal possess and guide us ever:

May we both work together with great energy:

May our learning be thorough and fruitful:

May we have goodwill for all; never any hatred:

Let there be; peace, peace, peace.

Facilities

Computer Applications

Advanced Programming Lab

Electronics & Communication Engineering

SIMULATION LAB

CIRCUITS LAB

MICROPROCESSOR AND MICRO CONTROLLER LAB

PROJECT LAB

WORKSHOP

IC LAB

ARISE LAB

VLSI DESIGN LAB

IoT INNOVATION LAB

ADVANCED COMMUNICATION LAB

Electrical & Electronics Engineering

ELECTRICAL MACHINES LABORATORY

CONTROL AND SIMULATION LABORATORY

CIRCUITS AND MEASUREMENTS LAORATORY

DIGITAL AND ELETRONICS LABORATORY

POWER ELETRONICS LABORATORY

PROGRAMMING AND SIMULATION LABORATORY

POWER SYSTEMS LABORATORY

PROJECT LABORATORY

ELECTRICAL ENGINEERING WORKSHOP

RENEWABLE ENERGY LABORATORY

ASIET - BECON INDUSTRY COLLABORATED LABORATORY

Research Lab

Electronics and Biomedical Engineering

Medical Electronics lab

Biomedical Signal Processing Lab

Linear Integrated Circuits Lab

Microcontrollers and Applications Lab

Electronic Devices and Circuits lab

Logic Circuits and Design Lab

Centre of Excellence for In-Vitro Diagnostic Instrumentation - HORIBA India Technical Institute

Mechanical Engineering

Mechanical Department

Manufacturing Lab

BMW Engine

Fluid Machinery Lab

Thermal Engineering Lab

Material Testing Lab

CAD Lab

CNC Vertical Machining Center

Computer Science & Engineering

Application Development Lab

Network Programming Lab

Programming Language Lab

System Internals Lab

Seminar Hall

Multimedia and Research Lab

Bio-Informatics & Research Lab

Data Analytics & Research Lab

Civil Engineering

COMPUTER AIDED CIVIL ENGINEERING LABORATORY

MATERIAL TESTING LABORATORY

FLUID MECHANICS LABORATORY

TRANSPORTATION LABORATORY

GEOTECHNICAL ENGINEERING LABORATORY

ENVIRONMENTAL ENGINEERING LABORATORY

SURVEYING LABORATORY

MATERIAL TESTING LABORATORY 2

DEPARTMENT CONSULTANCY WORKS

DEPARTMENT CONSULTANCY LAB

Artificial Intelligence and Data Science

Seminar Hall

Classrooms

Turing Lab (Machine Learning)

Hinton Lab (Deep Learning)

Hamilton Lab (Data Science)

Robotics and Automation

Robot Operating System Lab (ROS Lab)

Industrial Robot Lab

Industrial Automation Lab

Industrial Drive Lab

Unmanned Aerial Vehicle Lab (UAV)

Sensors Lab

Industry Connected Research Labon UAV Technology - IN asociation with Fuselage Innovation Pvt Ltd

Business School

Classrooms

Basic Science & Humanities

Chemistry Lab

Physics Lab