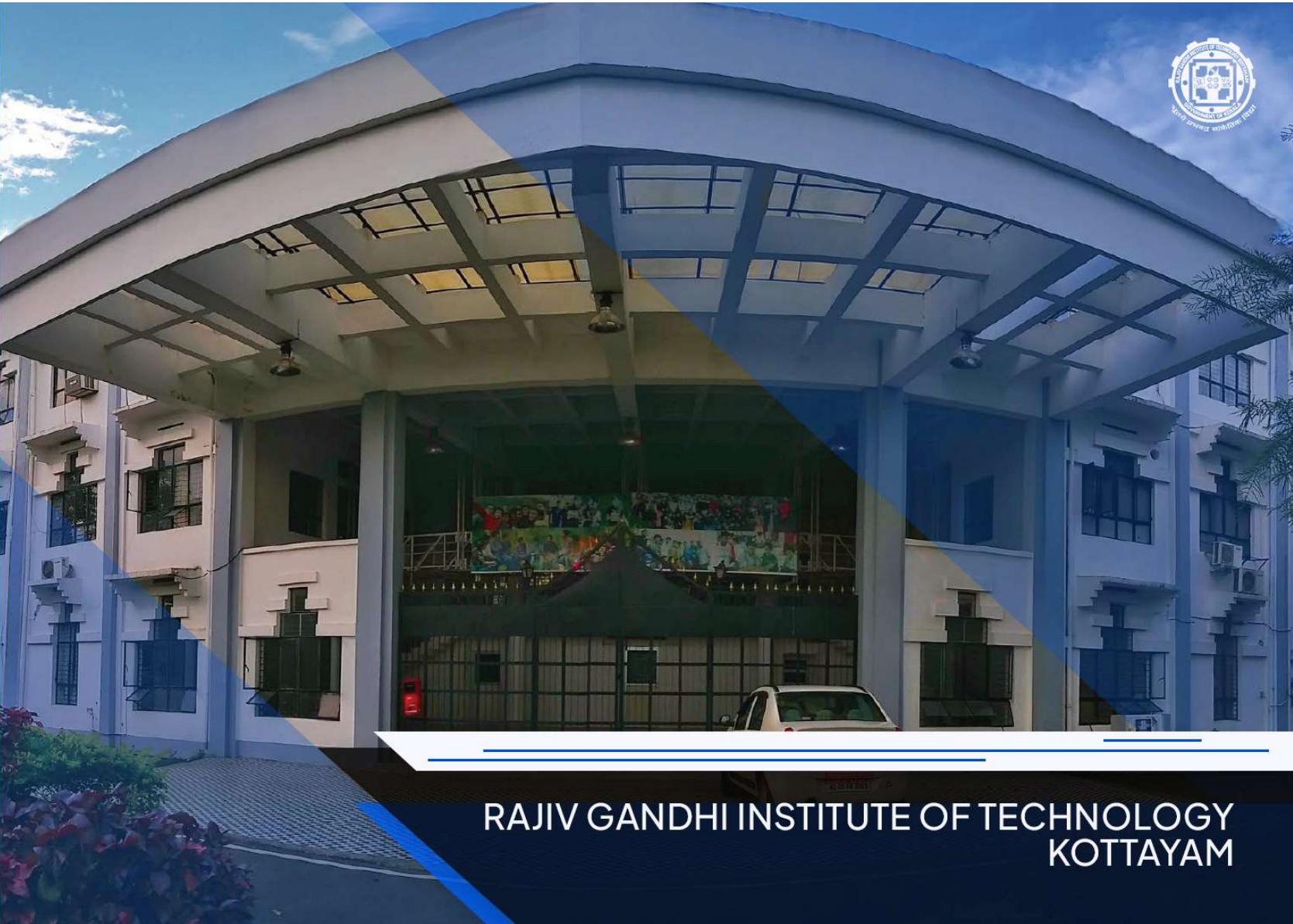


PLACEMENT BROCHURE

2022-23



RAJIV GANDHI INSTITUTE OF TECHNOLOGY
KOTTAYAM

Welcome to RIT Campus



With 25 years of legacy, ranking within top 5 engineering colleges in the state, with quality output, RIT Kottayam stands tall in being a centre of technological excellence.



Highlights

NBA accredited courses.
Owned and managed by
Government of Kerala.
Highly qualified faculties.



Courses

B.Tech & M.Tech in
Electronics, Mechanical,
Computer Science, Civil,
Electrical, B.Arch, & MCA.



456+
Offers



35+
Recruiters

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Principal's Message



Dr. C Sathish Kumar

Principal

Education is supposed to be aimed at the ultimate development of human personality and creation of a just and equitable society. At RIT, the scholars are provided with wonderful ambiance and adequate resources for achieving this goal. The lush green campus of RIT, with ample facilities, opens before the students an arena for their overall development by acquiring knowledge, skills and human values in right proportions, at right time. Good infrastructure, meritorious students and highly competent faculty members are our major strength in the march towards excellence. RIT is always committed to keeping high standards in technology education and is proud of its alumni serving as our brand ambassadors at various ventures. With immense pleasure, I welcome your esteemed establishment to our campus. I can assure you that, our graduates with their proper attitude, skills and standards will definitely find a place in your search for promising engineers and I do hope that they will become valuable to your organization too. Looking forward for a long-standing relationship with your esteemed company.

About RIT

Rajiv Gandhi Institute of Technology, an NBA accredited college was established in 1991 .It has reached an outstanding position in the higher education sector in Kerala with profound achievements in post-graduation and research activities. It is affiliated to APJ Abdul Kalam Technological University, Kerala. Our alumni occupy top positions in industry, R&D and academia both in India and abroad. You will find talented candidates that suit all your requirements and it will be our pleasure to support your recruitment efforts. Career Guidance and Placement Cell serves as an interface between graduating students and prospective employers.

Vision

Be a centre of technological excellence for the betterment of society.

Mission

To impart professional education to students from all sectors of the society, to mould them to be competent, committed, research oriented and socially responsible citizens, capable of deploying technology for the goodwill of society.

The Placement and Career Guidance office in the campus is dedicated towards achieving maximum placements and higher studies in prestigious institutions all over the world, enabling the fresh budding engineers from our organization to excel in their career and contribute to the growth of our nation. The Training section of this office plays a crucial role in giving adequate training and support to students to enhance their skills and help them showcase their abilities in the best possible way. This office liaises with various industries and research organizations all over the world to get their invaluable suggestions which moulds our curriculum.

Our college has hosted some of the well renounced companies for campus placement. The institution being the choice of meritorious students in the state, employers have found it a major talent pool for students across branches.

In this brochure, we have included the details of various academic programmes offered. We have also detailed the placement and training procedures followed by the institution. We assure you that the students of RIT Kottayam will be an asset to your organization.

We invite you to participate in the campus placement process for the year 2022–23 and request you to get in touch with us for conducting placement drives and internships. We are ready to provide all the necessary information to guide you in the process. We look forward to a strong and long-lasting relationship with your esteemed company.



Courses Offered

Under Graduate Courses

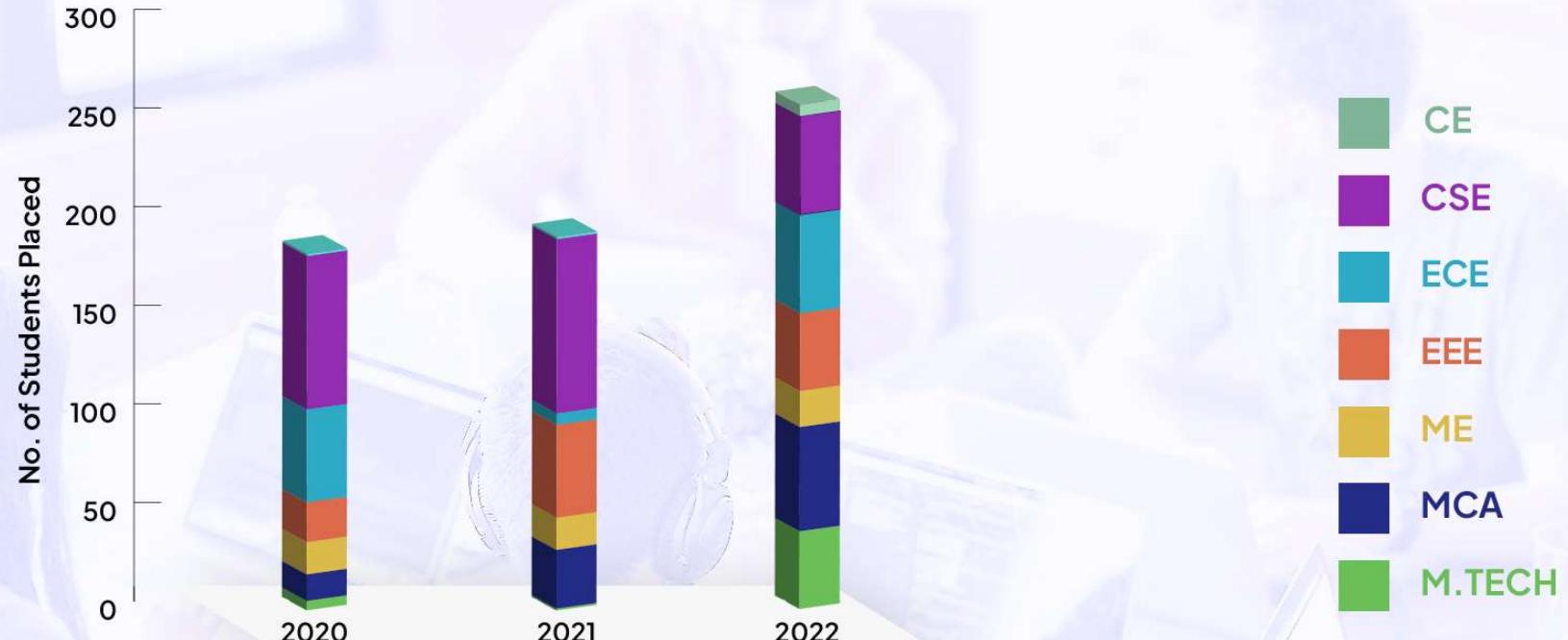
Courses	Departments	Intake
B. Tech	Civil Engineering	66*
	Mechanical Engineering	66*
	Electrical & Electronics Engineering	66*
	Electronics & Communication Engineering	66*
	Computer Science & Engineering	66*
B.Arch	Architecture	40

*10% as per lateral entry scheme.
B.Tech 8 Semesters (4years).
B.Arch 10 Semesters (5 years)

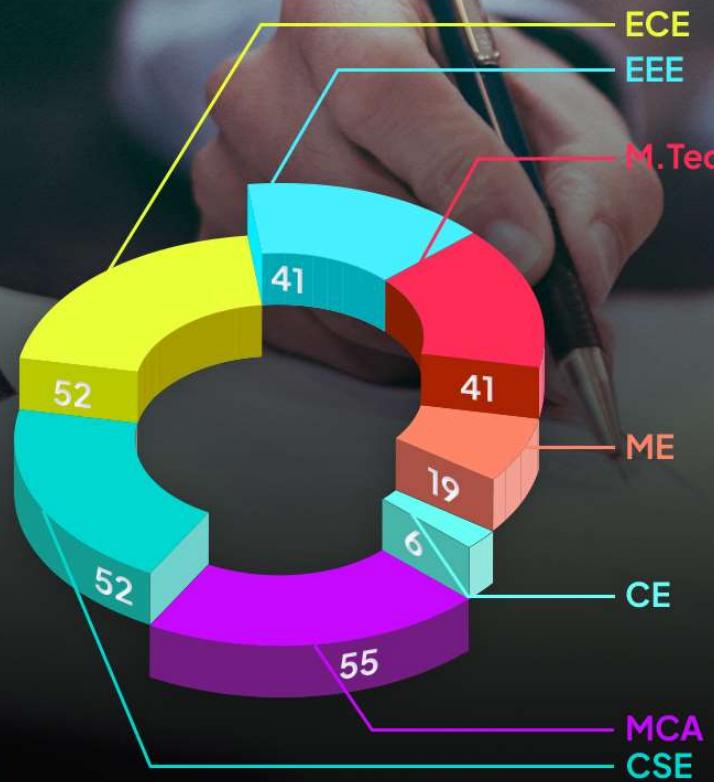
Post Graduate Courses

Courses	Departments	Intake
M. Tech	Civil Engineering	18
	Mechanical Engineering	18
	Electrical & Electronics Engineering	18
	Electronics & Communication Engineering	18
	Computer Science & Engineering	18
MCA	Computer Application	60

Placements



Placement Statistics 2022



Branch	Offers	Students Placed
CE	11	6
CSE	116	52
ECE	92	52
EEE	77	41
ME	24	19
MCA	84	55
M.TECH CSE	10	8
M.TECH IDC	10	9
M.TECH ACIS	3	3
M.TECH AECE	15	10
M.TECH PSRE	4	4
M.TECH IEM	6	3
M.TECH ED	4	4
Total	456	266

Our Major Recruiters



CAREER GUIDANCE AND PLACEMENT CELL

Rajiv Gandhi Institute of Technology, established in 1991, has reached an outstanding position in higher education sector in Kerala with profound achievements in post graduation and research activities. It is affiliated to APJ Abdul Kalam University, Thiruvananthapuram. Our alumni occupy top positions in industry, R&D and academia both in India and abroad. You would find talented candidates that suits all your requirements, and it will be our pleasure to support your recruitment efforts. Career Guidance and Placement Cell serves as an interface between graduating students and prospective employers.

Key Activities of CGPC

Training sessions are conducted for the students to develop their personality, communication skills, leadership qualities, interpersonal relationship, management capacity etc. An initial training session is provided for the pre-final years and a special pre-placement training programme of about one week duration for the final year students, just before the commencement of campus selection process. In addition to these trainings company specific trainings are also provided to students which covers coding practice and interview tips which are designed specially to requirements specified by the company.

CGPC encourages and supports students in taking up industrial Training and internships during the semester breaks. CGPC helps the students to widen up their horizons and achieve their dream jobs. The cell also offers guidance and coaching for GATE Examination for the final year students. In addition, information regarding higher education facilities in India and abroad is also made available. Since inception the cell functions very effectively.

Companies are allotted dates based on the following parameters:

Past record of recruitment at RIT Kottayam.
Compensation Package.
Nature of job offered.

Companies are classified as follows:

Day-1, 2: Companies who recruit maximum number of students.

Dream: Companies who offer pay package of Rs 5 Lakhs or above.

Core: Companies who offer jobs specific to the branch of study.

Open: Companies whose job profile suits all graduates.

Innovative practices by CGPC

- | Aspire_beta: Online survey for knowing the career interests of 1st & 2nd year students
- | Aspire: Online survey for knowing career aspiration of students during course
- | Aspire+: Tracking career progression after graduation
- | Employability: Self-assessment of employability by students
- | Nexgen: Innovative selection process of team CGPC
- | Alumni Connect: Platform for connecting with Alumni
- | Parent Connect: Platform connecting Parents with students.
- | Back2Classroom: Alumni/Parent/Faculty/HR interactions with students
- | Careers@RIT: Career mentoring by Alumni, Staff, Parents, HR to our students
- | TestMe: Online testing platform for continuous evaluation of students
- | MyProfile: Student career profiling
- | MyMentor: Individual mentor network

Facilities for Recruiters

- | Conference hall with well equipped PA systems, projectors and digital flipboards
- | Halls with seating upto 200 people with full fledged audio-visual facilities for conducting written exams
- | Computer facilities with fast network and internet connections for handling 200 students at a time
- | Fully furnished, spacious and air conditioned rooms for group discussions and personal interviews
- | Cafeteria facilities(vegetarian and non-vegetarian)
- | In-campus comfortable residential facilities for visiting personnel
- | Assistance in accommodation and transport arrangements if required

PLACEMENT PROCEDURE

01



The Career Guidance and Placement Cell (CGPC) send invitations to companies/organizations along with relevant information.

02



CGPC allots dates to companies for campus interviews based on various details given by companies.

03



The company/ organization confirm the dates with the CGPC. Interested students show their willingness to appear for the recruitment process of a company by registering for it.

04



Details of interested students shall be sent to the company.

05



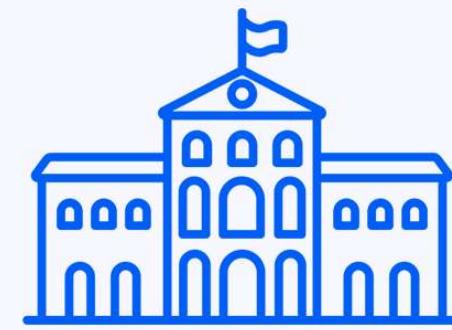
Companies come to the campus on the allotted dates and conduct tests and/or interviews according to their recruitment process.

06



The company/organization are required to furnish the final list of students preferably on the date of interview.

DEPARTMENTS



ARCHITECTURE

-13-



The Architecture department started off in 2011 and extends its teachings to a total of 40 students from each year. The Department has a genuine group of mentors who actively encourages the work and achievements of the students. The Institute also provides a positive environment for the students to develop their potential and excel in all ways possible. The course equips the students for the profession including a six month training period and a tenth semester thesis.

Achievements

- Active participation in national level conventions (NASA India)
- Winning entries and Shortlisted projects in national level academic & cultural competitions (NASA India)
- Yearly exhibitions of Academic works
- Art works and Installations around the college campus
- Flood relief survey & design campaign in 2018
- Inter college workshops guided by skilled and experienced visiting faculty programmes. Interactive talk sessions with practising architects
- Active participation in Laurie Baker centenary function in 2018
- 'Scholarchs' Award for Urban Design Project 2017.

TRANSPARENCY 15.0
THEME - BUILDINGS FOR THE WELL-BEING OF PEOPLE
Transparency is India's largest Architecture Design Competition brought to you by Sathguru Group and duly supported by Ethos. Let us celebrate the 15th edition of Transparency 15.0 with the theme of encouraging sensitive designs for our built public realm. This year we invite you to submit your entries of transparency that look at architecture and spaces that are open to the public at large. The aim is to design for public health and well-being. - From competition brief

SPECIAL RECOGNITION
This is to certify that Mr./Ms. VIMALA KIRUTHIGAM OF Govt. Polytechnic Institute of Technology, Vellore has been awarded the Special Recognition - Regional Round - South II Transparency 15.0 Institute Udaipur February 2017

Name of the Project : IMAGINING AN ALTERNATIVE WASTE-SCAPE The Case of Rehabilitation, Waste Integration Centre & Public Plaza
Award Received - Special Recognition Award (South zone)

WINNER Trophy and Certificate

Congratulatory letter Sample design sheet

CIVIL

-14-



The Department of Civil Engineering, established in 1991, can boast of well equipped labs, experienced faculty and excellent library services. We provide great pedagogic practices, better facilities and constant knowledge upgradations to staff to make our students competent enough to face modern Civil Engineering challenges.

Courses Offered

TOPICS COVERED IN BTECH COURSE

- Mechanics of Solids
- Design of Hydraulic Structures
- Fluid Mechanics
- Transportation Engineering
- Engineering Geology
- Advanced Foundation Engineering
- Surveying
- Air Quality Management
- Structural Analysis
- Design of Steel Structures
- Construction Technology
- Environmental Engineering
- Geotechnical Engineering
- Quantity Surveying and Valuation
- Design of Concrete Structures
- Bridge Engineering
- Geomatics
- Advanced Structural Design
- Water Resources Engineering
- Civil Engineering Project Management
- Advanced Concrete Technology
- Transportation Planning
- Advanced Mechanics of Materials

TOPICS COVERED IN MTECH COURSE

Course - Transportation Engineering

- Applied statistics and probability
- Traffic Engineering
- Pavement Analysis and Design
- Highway Analysis and Design

- Intelligent Transportation Systems
- Environmental Impact Assessment
- Public Transport Planning
- Ground Improvement and Reinforced Earth Techniques
- Research Methodology
- Highway Engineering Lab
- Transportation Economics
- Urban Transportation Planning
- Pavement Evaluation and Rehabilitation

ADD-ON COURSES (ELECTIVES)

- Advanced Concrete Technology
- Geotechnical Investigation
- Environment and Pollution
- Disaster Management
- Ground Improvement Techniques
- Traffic Engineering and Management
- Prestressed Concrete
- Air Quality Management
- Bridge Engineering
- Environmental Impact Assessment
- Municipal Solid Waste Management

Labs

- Strength of Material Lab
- Material Testing Lab (Concrete Lab)
- Survey Lab
- Geotechnical Engineering Lab
- Transportation Engineering Lab



• Environmental Engineering Lab

• Pavement Engineering Lab

• Traffic Engineering Lab

Student Projects

• VIII semester Civil Engineering Ajith Boban, Anandakrishnan B, Ashik A and Gishnu G Kurup have won II Prize in KTU Techfest during February 2019 for their innovative project "Vortex Induced Fluidized bed Anaerobic Reactor (VIFAR) and Integrated Phyto Biofiltration Unit"

• "POLLUTION MONITORING OF PERIYAR AND DETOXIFICATION USING BIOABSORBENTS" won Second Prize in the competition held by Association of Engineers Kerala among all the Engineering colleges in Kerala, in the year 2017

Other Achievements

Team: Akhil Suresh ,Akhil Murali, Ajin K P, Jino Thomas Therattil, Teswin Jose
Event: Grand finale of Civil/ Mechanical Championship- Techvridhi 18, IIT Kharagpur, 2nd Prize

COMPUTER SCIENCE

-15-



The department of Computer Science and Engineering, since its establishment in 1991, has been continually updated on the changes in the industry and research arena. The dedicated and experienced faculty members of the department, trained from premier institutes, provide a dynamic and proactive environment. The department has been actively collaborating in research with leading industries to develop smarter technology.

Courses Offered

TOPICS COVERED IN BTECH COURSE

- C Programming
- Data Structures
- Digital Electronics
- Discrete mathematics
- Operating Systems
- Computer Organisation and Architecture
- Theory of Computation
- Microprocessors and Microcontrollers
- Design and analysis of Algorithms
- Compiler Design
- Computer Networks
- Database design
- System Software
- Programming paradigms

TOPICS COVERED IN MTECH COURSE

Course Name - Computer Science and Engineering

- Computational intelligence
- Advanced data structures and algorithms
- Computer security and applied cryptography
- Modern computer networks
- Advanced database management

- Automata theory and computability
- High performance computer architecture

ADD-ON COURSES (ELECTIVES)

- Computer vision
- Web technology
- Natural language processing
- Fuzzy set theory and applications
- Artificial intelligence
- Principles of information security
- M.tech
- Logic in Computer Science
- Web services
- Information Retrieval & Data Mining
- Bioinformatics
- Web Security

Labs

- Data Structures Lab
- Free and Open Source Software Lab
- Digital Systems Lab
- System Software Lab
- App Software Development Lab
- Microprocessor Lab
- Network Programming Lab

Startup Launcher

Aion Creative Wings -
Abhijith K

Student Projects

Kamal, Balamurali, shashank babu (2020 batch) "vendX" - secured most popular project award in SRISTHI 2020, national level project competition
Qapp - Virtual queue management app. Incubated in 2021. Currently working in the campus, itself

Paper Publication

"An Intelligent adaptive scheduler for Operating Systems" Authors - Sidhin S Thomas, Sherin Ann Thomas, Jithna Paul, (2018 batch) K B Sibhu Kumar

"Real Time Translation of Indian Sign Language to Speech using LSTM" Authors - Ebey Abraham, Akshatha Nayak, Ashna Iqbal (2019 batch)

"Assigning secondary structure in proteins using AI" - Co Author - Prayagh Madhu

Other Achievements

Anagha Chand R, Elna Cyriac, Ashika Hussain, Anjaly Krishnan, Ann Philip, Shibly Ismail and Aleena Joseph of 2021 batch received Grace Hopper Celebration India Scholarship.

11 students of 2021 batch got selected to attend 10th Young India Challenge, a national idea pitching competition held at Delhi.

Ann Philip of 2021 batch was selected to attend the hackathon conducted by Waterloo University, Canada.

Arun Shankar of 2021 batch was selected as the best manager at Zamoria-National level Management fest, ZGC Kozhikode

Ameera Sherin of 2021 batch bagged IEEE Kerala Section Outstanding Student Volunteer Award

ELECTRONICS

-16-



Since its establishment in 1991, the Department of Electronics and Communication Engineering provides student centric learning through well qualified faculty. The curriculum is updated periodically to equip the students with competence to address technological challenges. Presently the department is accredited by NBA certification and host a Centre of Excellence in the Signal processing funded by CERD-KTU, Govt. of Kerala.

Courses Offered

TOPICS COVERED IN BTECH COURSE

- Solid State Devices
- Embedded System
- Electronic Circuits
- Object Oriented Programming,
- Logic Circuit Design
- Information Theory & Coding
- Signals & Systems
- Microwave & Radar Engg
- Analog Integrated Circuits
- Optical Communication
- Computer Organization
- Computer Communication
- Applied Electromagnetic Theory
- Control Systems
- Digital Signal Processing
- Analogue Communication Engineering
- Digital System Design

- Digital Image Processing
- Power Electronics & Instrumentation
- Real Time Operating Systems
- Digital Communication
- Nano electronics
- Microprocessors & Microcontrollers
- Advanced Communication Systems
- VLSI
- Low Power VLSI Design
- Antenna & Wave Propagation

TOPICS COVERED IN MTECH COURSE

- Course Name - Advanced Electronics and Communications.
- Linear Algebra for Communication Engineering
 - Probability and Random Processes
 - Queuing Theory and Communication Networks
 - Image and Video Processing

- Research Methodology
 - Advanced Digital Communication Techniques
 - Antenna theory
 - Wireless Communications
 - Speech Technology
 - MIMO Communication systems
 - Pattern Recognition
 - Soft Computing
 - Industrial Training
- Course name - Industrial drive and control
- System theory
 - Electric and Hybrid Vehicles
 - Power System Dynamics and Stability
 - Non - Conventional Energy Sources
 - Computational Technique
 - Computer Aided Power System Analysis
 - Advanced control of AC drives

ADD-ON COURSES (ELECTIVES)

- Soft computing
Digital system design
Real time operating systems
Digital Image processing
MEMS
Biomedical Engineering
Microwaves and radar engineering
Control systems
Embedded system
Analog communication engineering
Network theory
Solid state devices

Labs

- Electronic Devices & Circuits
- Electronic Design Automation
- Analogue Integrated Circuits
- Logic Circuit Design
- Digital Signal Processing
- Microcontroller Lab
- Communication Systems Lab

- Power Electronics & Instrumentation

Paper Publication

Topic - "Performance Analysis of Modulation classification using machine learning"

Team - Nisha G(M.Tech s4), Vishnupriya Vijayan, Dr. Renu Jose

Startup Launcher

Reverttech IT Solutions Pvt Ltd - Kallu Sudarsan S (2022 batch)

SanCare - Shamil Rahman (2021 batch)

Student Projects

Sanitary Napkin Vending Machine
Project name- 'Sanitary Napkin Vending Machine', Lavender, initiative by 2nd year students, Alex Mathew (S4 ME), Midhun M P (S4 EC), Muhammad Bilal S (S4 EC), Francis T J (S4 EC), Aditya A Krishnan (S4 EC).

Touchless auto sanitizer dispenser:
Initiative by 4 th year student ShamilRahman.

Other Achievements

- Godwin K Stephen placed at Infineon Technologies Germany.
- Aparna A (2022 batch) received Student Travel Award Recipient for attending TDLA 2020 IEEE Conference at Uruguay.
- Anjima Sadasivan (2022 batch) winner of WhyHack InnovateHer Hackathon conducted by Kerala Startup Mission partnered with TCS and ICFOSS, 2020.

ELECTRICAL

-17-



The Department of Electrical and Electronics Engineering has been in existence since 1991. The department is a research centre under AP-JAKTU with more than 10 research scholars. We offer student oriented programs with systematically designed curriculum and updated syllabus through qualified faculty. We provide a unique, valuable and powerful learning experience.

Courses Offered

TOPICS COVERED IN BTECH COURSE

- Circuits and Networks
- High Voltage Engineering
- Analogue Electronic Circuit
- Electromagnetics
- DC Machines and Transformers
- Advanced Control Theory
- Synchronous and Induction Machines
- Power System Analysis
- Digital Electronics and Logic Design
- Electric Drives
- Material Science
- Electronic communication
- Measurements and Instrumentation
- Linear Control Systems
- Power Generation
- Distributed generation and smart grids
- Electrical system design

- Transmission and Protection
- Digital Signal Processing

TOPICS COVERED IN MTECH COURSE

- Course name - Industrial drive and control
- Advanced mathematics
 - Power electronic devices and circuits
 - Dynamics of electrical machines
 - Fundamental of electric drives
 - Research methodology
 - Switched mode power converters

Course name - Industrial drive and control

- System theory
- Electric and Hybrid Vehicles
- Power System Dynamics and Stability
- Non - Conventional Energy Sources
- Computational Technique
- Computer Aided Power System Analysis
- Advanced control of AC drives

ADD-ON COURSES (ELECTIVES)

- System Theory
- Digital Control Systems
- Dynamics of Electrical Machines
- Bio-Inspired Algorithms
- Graphics Design
- Advanced Power Semiconductor Devices
- Power Electronic Applications in Power Systems
- Analysis, Design & Grid Integration of Photovoltaic Systems
- Bioinformatics

Labs

- Digital Circuits Lab
- Measurements & Instrumentation Lab
- Analog Electric Lab
- DC Machines Lab
- AC Machines Lab
- Power Electronics Lab
- Programming Lab
- Language lab

Startup Launcher

Students were selected for internships in various sectors like,
KMRDL
KSEB POWER GENERATION STATIONS
MEMU YARD
KELTRON. Etc

Student Projects

"HYBRID TRICYCLE FOR HANDICAPPED" – by (Aadarsh G Krishnan, Ram Shankar, Anil Kumar, Ranjana R Krishnan,(2020 batch)

"SUSTAINABLE PLASTIC BOTTLE DISPOSAL AND CREDITING SYSTEM" – by (Nithin V M, Unnimaya P S, Sarath M, Mohammed Najeeb, Anupriya B(2021 batch)) – selected as the best project by IIT Kottayam at AIC Incubation centre.

"AUTOMATED WHEEL CHAIR" – By (2019 batch) was given to Medical College Hospital, Kottayam

Other Achievements

5 students team has secured TOP 5 position in "TECHVRIDHI" competition, All India Robotics competition held IIT Kharagpur 2nd position]

Adheena V Abraham and Heba Fathima (2022 batch) received IEEE Industrial Application Society CMD WIE ILS Travel grant 2019 held at Bangalore.

Farish Rahman K (2022 batch) received IEEE IAS Travel grant to attend IEEE TENCON International Conference 2019.



MECHANICAL

-18-



The Department of Mechanical Engineering was established in the year 1991. Adhering to its vision statement, the Department stood vanguard in raising the prominence of the Institute, contributing in all realms of achievements. The coursework renders stress upon various dimensions including recent odd-ons such as Management Sciences, Production Technology, Information Technology, CAD/CAM, Optimization Techniques, Thermal sciences, Hydraulics, Design engineering and conventional Engineering Drafting.

Courses Offered

TOPICS COVERED IN BTECH COURSE

- Mechanics of Solids
- Advanced Manufacturing Technology
- Mechanics of Fluids
- Computer Aided Design and Analysis
- Thermodynamics
- Non-Destructive Testing
- Metallurgy & Materials Engineering
- Advanced Fluid Mechanics
- Advanced Mechanics of Solids
- Control System Engineering,
- Thermal Engineering
- Design of Machine Elements
- Fluid Machinery

- Advanced Energy Engineering
- Manufacturing Technology
- Refrigeration and Air Conditioning
- Mechanics of Machinery
- Mechatronics
- Machine Tools and Digital

TOPICS COVERED IN MTECH COURSE

- Course name - Industrial Engineering and Management
- Business Mathematics
 - Business Practice and Industrial Economics
 - Materials and Supply Chain Management
 - Quantitative Techniques
 - Quality Analysis

Course name - Engineering Design

- Applied Mathematics for Engineering
- Vibration Analysis & Control
- Advanced Mechanics of Solids
- Product Design & Development
- Engineering Optimization
- Research Methodology

ADD-ON COURSES (ELECTIVES)

- Operations Research
- Marketing Management
- Advanced Welding Technology
- Finite Element Analysis
- Control Systems Engineering
- Supply Chain & Logistics
- Management
- Material Handling & Facilities
- Planning
- Propulsion Engineering
- Composite Materials & Mechanics
- Human Resource Management

Labs

- Heat Engine Lab
- Heat Transfer Lab
- Mechanical Workshop
- CAD/CAM Lab
- Fluid Mechanics Lab
- Hydraulics Lab
- Measurement Lab
- FAB LAB
 - 3-D Printer
 - Laser Cutter
 - CNCs

Student Projects

- Tammie, KPR Institute of Engineering and Technology -Technological advancements in material and manufacturing for industrial environment. Two teams, PTERODACTYL and STINGFLY, participated in the Regular and Micro classes of SAEINDIA Aero Design Challenge 2020, and achieved an overall ranking of 32 & 25 in the respective classes held at BIT, Sathyamangalam, Erode.

Other Achievements

- Nidhin Raj (2012-16) secured a rank of 210 in Indian Civil Services Examination 2018
- B.Tech 2016-20 batch secured 1st position in the State 5th semester university exam
- Govind P (2012-16) selected for the MS programme in Aerospace Engg at TU Delft, Netherlands, 2019
- Rahul Vinod (2010-14) selected for the MS programme in Aerospace Materials at TU Delft, Netherlands, 2018
- Abhiroop Satheesh (2010-14) selected for the Marie Curie fellowship in 2018 for Ph.D. at TUM, Germany
- Harris Raju (2014-18) secured 8th rank in the NID Admission test.
- Nikhil Sasidharan Pillai (2010-14) received Ph.D. from University at Buffalo, New York in Computational and Data enabled sciences, 2020



The Master of Computer Applications (MCA) course, started in the year 2001, aims to mould professionals to meet the complex demands of the IT industry. Syllabus of the course is revised and updated by the University from time to time keeping in view of the ever changing trends in the industry. Many students got campus placements in reputed firms like TCS, IBS, OFSS, Accenture, Wipro, Mphasis, UST Global.

Courses Offered

- Problem Solving & Computer Programming
- Digital Fundamentals
- Object Oriented Programming
- Data Structure
- Operating System
- Computer Organization & Architecture
- Computer Networks
- Software Engineering
- Database Management System
- Design & Analysis of Algorithms
- Web Programming
- Application Development & Maintenance
- Web Data Mining
- Cryptography & Cyber Security

ADD-ON COURSES (ELECTIVES)

- Internet of Things
- Cloud Computing
- Cyber Forensics
- Computer Graphics
- Artificial Intelligence
- Advanced Java Programming
- Advanced Database Systems



Facilities

- Well maintained infrastructure
- Projectors and PA systems
- Conducted one day workshop on "Google cloud architecture" offered as part of coursera university sponsored specialization course.

Labs

- Project Lab
- Programming Lab
- Applied Statistics Lab
- Object Oriented programming Lab
- Data Structures Lab
- Database Lab
- Web Programming Lab
- Advanced Java Programming Lab
- Mobile Application Development Lab
- System Design Lab
- People empowerment System - Nehru Yuva Kendra,Kollam
- A Website for complaint management - Kottayam Municipality
- Samoohya - Information Kerala Mission, Trivandrum
- Website for School - Govt.LP School Granby,Idukki
- Covid-19 Vaccination Registration for Govt. Taluk Hospital Pampady
- Web Based Software for LAC Election 2021 for Kottayam District
- Web Based for Kottayam Taluk Front Office Management
- Website for St.Pauls Church Vandana-pathal

Student Projects

Developed for College administration

- RIT Admission register
- Software for Exam Cell management
- RITSoft - Software for student management

Hospital Management softwares for :

- Aester India Pvt Ltd,
- Govt.General Hospital,Changanacherry
- Govt.General Hospital,Changanacherry
- Govt.Taluk Hospital Pampady
- Govt.Veterinary Hospital Parathodu
- Public health center,Kodiyathur
- Dispensary,Mulakulam,Piravom,Ernakulam
- People empowerment System - Nehru Yuva Kendra,Kollam
- A Website for complaint management - Kottayam Municipality
- Samoohya - Information Kerala Mission, Trivandrum
- Website for School - Govt.LP School Granby,Idukki
- Covid-19 Vaccination Registration for Govt. Taluk Hospital Pampady
- Web Based Software for LAC Election 2021 for Kottayam District
- Web Based for Kottayam Taluk Front Office Management
- Website for St.Pauls Church Vandana-pathal

PROFESSIONAL BODIES





IEEE

IEEE Student Branch RIT with dedicated volunteers are in pursuit to implement the motto of IEEE "Advancing Technology for Humanity". With a great deal of hard work, determination and perseverance, IEEE SB RIT achieved the Best Student Branch Award of IEEE Kochi Subsection in the year 2019. Along with this, IEEE SB RIT bagged the awards of Best Event (Zeal) in Kerala Section, Outstanding Student Branch Counsellor and Best Student Volunteer in the year 2019. IEEE SB RIT also has its members holding various positions in IEEE LINK team as well as IEEE Kerala Section Excom.

- Zeus (2016) - A technical festival hosted by IEEE SB RIT.
- Internship Program on Web Development and IoT (2017) - an internship program hosted by IEEE SB RIT.
- How to Execute Successful B.Tech Project (2019) - A workshop by IEEE PES Kerala Chapter, in association with IEEE PES SBC RIT Student Chapter.
- PESQUIZINE 2.0 (2021) - IEEE PES SBC RIT conducted PESQUIZINE 2.0, an online quiz competition based on the IEEE Power and Energy magazine, as part of the PES day 2021 on April 5, 2021 at 8 PM.

▫ Joint SB Initiative (2020)-
IEEE SB RIT organized a joint SB initiative program, 'ZEAL', under IEEE Region 10, to revitalize and reinvigorate IEEE SB VAST.

▫ Arduino Bootcamp (2021)-
In order to introduce open-source electronics prototyping to the young minds, an Arduino Boot Camp was organised. The Camp was conducted in 4 days, starting from the 1st of May 2021. The event served as a kickstarter for the students to explore the fields related to robotics and programming, and eventually mould them into successful engineers.

▫ Webinar on GHCI scholarship (2020)-
Women in Engineering Affinity Group of IEEE SB RIT organized a webinar on GHCI scholarship. The session was led by Pritika Merry, a GHCI scholar of the year 2017 and HR of Proadapt Solutions Private Limited.

▫ Circuit Debugathon (2021)-
IEEE PES SBC RIT conducted Circuit Debugathon, a 3-day event from 8 to 10 December 2020. The workshop mainly involved debugging of PCB designs.



ISTE SCRIT

Indian Society for Technical Education is Premier National Society for Teachers and Students of the Technical Education System. Ever since its founding, ISTE students chapter RIT focused on conducting quality programmes to the students for all round development at an economical rate. ISTE supported clubs are also following the same ideology.

Main Activities Conducted

- Techvridhi '18 and Techvridhi '19 – National level workshop series conducted in association with Technospecies global solutions and IITs. Students representing the chapter participated Global Entrepreneurship Summit conducted at IIT Kharagpur and they were awarded 2nd position for the same.
- Inaugural BIK Symposium – With the broad theme "Transport Infrastructure for Emerging India", the symposium aimed to bring out a vision for adapting latest research outcomes in traffic and transport planning practices and construction technology to tackle issues and challenges in Indian transport sector.
- Workshop on Google actions - a platform to gain knowledge about the Google Assistant and Actions on Google.
- Hands-on Workshop on PCB design – to make students able to fabricate their own printed circuit board.
- Vedic maths workshop - a Vedic Maths workshop in collaboration with Cosmic Maths Foundations.

Mechatronics Club

The Mechatronics club of RIT, Kottayam is a part of the ISTE RIT chapter and was formed on the 1st of November 2015. Mechatronics club assists the students to develop and apply traditional classroom theory in practical fields.

- Software workshops: Workshops on engineering software like CAD, Proteus, MATLAB, Blender, Arduino IDE, CATIA etc.
- Programming workshops: Introductory sessions on C, C++ and Python for beginners.

- Hardware workshops: Basic Electronics, Arduino, IoT, 3D printing, Laser cutting & fabrication, etc.
- Intercollegiate events: Plethora - CAD & CAM workshop TechVachan - Paper presentation Competition
- General events and competitions: QFiesta - Quiz Competition, General Online Events
- Projects: Smart Flush Sanitation System for Flood affected areas - funded by ISTE

Astronomical Society of RIT

The Astronomical Society of RIT was formed on the 26th of October 2018 to promote and cultivate the growing interests of students in Astronomy and introduce them to the various engineering opportunities associated with it.

Activities

- The society hosts a plethora of annual events that are of interest to budding astronomers as well as Engineers. Some of our activities are:
- Skywatch : A program with in-depth seminar on the mysteries of outer space, attended by over 100 students.
- Quiz competitions : Quiztronomy is an annual intercollege quiz competition conducted by ASRIT. Weekly online quizzes were also conducted via Instagram page
- Ideathon : In light of the COVID pandemic and in line with the government regulations ASRIT hosted an online inter-collegiate ideathon; judges Dr. Irfan Landge and Mr. Abhishek Diggerwadi.
- Seminars : ASRIT organized a seminar on the topic of 'ENGINEERING IN ASTRONOMY' on the 26th of October 2018. The session was handled by Dr. Indhulekha, Professor and HOD of School of Pure and Applied Physics, M G University.
- Environment Day : Protest against the growing environment destruction and unchecked exploitation of Natural resources, part of the global climate strike and Fridays for future initiative.



IEDC

Startup Bootcamp functions as a mini incubator in the college catering to the nascent requirements of budding student entrepreneurs in the college, managed entirely by the students. The learning curve of all the change agents involved shall be steep having managed a mini incubator in their colleges, a startup in itself. Being a part of Startup Village Bootcamp means being a member of a community of more than 50,000 college students, more than 500 startup ideas, hundreds of technical workshops and seminars and high impact social projects, funded and supported by Kerala Start-Up Mission (KSUM), a nodal agency of Government of Kerala for entrepreneurship development and incubation activities in Kerala, India.

Activities

- Bootcamp Orientation -Orientation and interactive session by Mr.Sonu JS, founder and CEO of Starting Trouble and the CMO of D-Hive.
- IEDC Summit -IEDC Summit held at Sahrdaya College of Engineering, Kodakara on 19th October 2019 witnessed the gathering of over 3000 participants from 214 IEDCs. 10 students and Prof. Sidharth S of Mechanical Engineering department of RIT and Prof.Riyas K S of Electronics and Communication Engineering department of RIT, attended the summit.
- Huddle Kerala - Event organized by Kerala Startup mission, focused on the emerging and future technology sectors like Blockchain, IoT, AI, big data, Digital entertainment and provided opportunities for showcasing the technology for start-ups.
- Workshop on Open Source Contribution -Bootcamp RIT along with FB developers circle Kochi conducted a workshop on 'How to contribute to open source ' .Shahul Hameed, the community lead of FB developers circle Kochi, conducted the workshop and helped the students contribute to GitHub.
- U design U eXecute - Organized a Workshop followed by a Hackathon on UI/Ux from 14/05/2021 – 18/05/2021 through online platform for all earnest youngsters out there.



TinkerHub

The TinkerHub Foundation is a non-profit organisation which promotes the creation of tech-talent focused among youth, through equipping individuals with emerging technology skill sets, which would accelerate innovation within one's learning path, and make them future-ready. TinkerHub RIT chapter started functioning on 2017 in the campus and since then several activites were organized focussing on the hidden talents of the students.

Activities

- Weekly Coding Challenges
- Weekly online programming contest- hosted on Hackerrank.
- National Level Programming Contest - Infinity Code A national level online programming competition was conducted as part of RITU 2018.
- Android Development Workshop-As a part of techno-cultural fest RITU 2018, Tinkerhub-RIT organized an Android development workshop, handled by Mr. Amrit M (Google Facilitator for Applied CS With Android Program).
- Opportunity Hackathon - Event to introduce various scholarships that a student can apply for. Speakers of the event - Mr. Samir Dayal Singh , an entrepreneur and a B.Tech graduate and Ms Irene, a GHCI scholar.
- LetsPy - Two day Django Python 'Workathon' , aimed at introducing novice enthusiasts and students to the world of computer science and collaborative development,organized by four leading communities of Kerala - Student Developers Society, Kochi.
- Code a Pookalam Contest- Online open-to-all instagram contest conducted in celebration of Onam 2019.



SAE RIT

The collegiate club of SAEINDIA in RIT was established in 2012. Despite its humble beginnings, the inspired and tireless efforts of its student members throughout the years has helped it become one of the most prominent collegiate clubs in the state, as well as the Southern Section of SAEINDIA. The club has been able to achieve this through the regular participation in the various events conducted by SAEINDIA like EFFI-CYCLE, BAJA, Aero Design Challenge (ADC), Tractor Design Challenge (TDC), Bicycle Design Challenge (BDC), Student Convention etc. Some of the recent notable achievements of SAERIT include:-

- Good participation in the Tier III of the 12th National Student Convention 2018, held at MLRIT, Hyderabad and conducted by the SAEINDIA Southern Section, with spectacular results that include
 - First Positions - 7
 - Second Positions - 6
 - Third Positions - 4
- Good participation in the Tier III of the 13th National Student Convention 2019, held at BIT, Sathyamangalam, Erode, and conducted by the SAEINDIA Southern Section, with spectacular results that include
 - First Positions - 5
 - Second Positions - 3
 - Third Positions - 1
- Secured an overall 16th rank in the Aero Design Challenge 2019, held at SRM, Chennai, in the Regular class, in the maiden year of the club's participation in the event.
- Secured the Third prize for Design Report in the Tractor Design Competition 2019, in the first edition of the competition
- Cleared the technical inspection round in the EFFI-CYCLE 2019, held at Lovely Professional University, Punjab
- Secured an overall 25th rank in the Micro class and 32nd rank in the Regular class in the Aero Design Challenge 2020, held at BIT, Sathyamangalam, Erode.

Other events conducted by SAERIT

- Workshop on ATV Design and CFD analysis, as part of Ritu'18, the techno-cultural fest of RIT.
- Tier II of the 13th National Student Convention at RIT, exhibition showcasing the various vehicles and models constructed by the club members for various competitions.
- Webinar by distinguished alumni SAERIT members.

Works in SAE

- Developed and manufactured foot-operated sanitizer dispensers in-house, which were donated to Pampady Panchayat Office, Changanassery General Hospital, Kanjirapally General Hospital and KTU Office.
- Designed and fabricated both Regular & Micro class, fixed-wing RC UAVs for the SAE ISS Aero Design Challenge 2020, held at BIT, Sathyamangalam, Erode. The Micro class UAV received an overall rank of 25 and the Regular class UAV received an overall rank of 32.
- Designed and fabricated a tractor with a self-designed and manufactured gearbox for the SAE ISS Tractor Design Competition 2019, held at SRM University, Chennai, which won the third prize for Design in the competition. Designed and fabricated a three-wheeled, human-electric hybrid powered vehicle for the EFFI CYCLE 2019, conducted by SAE NIS, held at LPU, Punjab.
- Two teams fabricated self-designed bicycles with innovative designs for the SAE ISS Bicycle Design Competition 2019, held at BIT, Sathyamangalam, Erode.



NSS

The NSS has one unit bearing Unit No.158 involving strong contingent of 100 volunteers. NSS has started functioning in this institution from 1997 onwards. The main motto of NSS unit of RIT is 'Not Me but You'. NSS is assisted by an advisory board consisting of Principal and all the HOD's. It has an executive committee consisting of two student representatives from each class.



Activities

- Developed a Telegram Bot for Downloading study materials for Keam Aspirants.
- Collected and Distributed necessary commodities for the people of Kokkayar who were affected by Landslide and Heavy rains.
- Renovated and Painted the Government Kids Garden Kurichimala, near RIT.
- Conducted 5 Day Camp at Vazhoor Govt. High School and Cleaned the school premises and nearby Primary Health Centre

Achievements

- Selected for "punarjani" best assets creation of 35 lakhs and best programme officer
- Selected as One of best unit conducted "punarjani" camp in 2017 Selected for "punarjani" Asset creations of 25lakhs in 2018
- Kottayam medical college honored best coordinator award for Vivek KP (volunteer secretary) in associated with National voluntary blood donation day.



EXTRA CURRICULAR ACTIVITIES

RITU



KELI

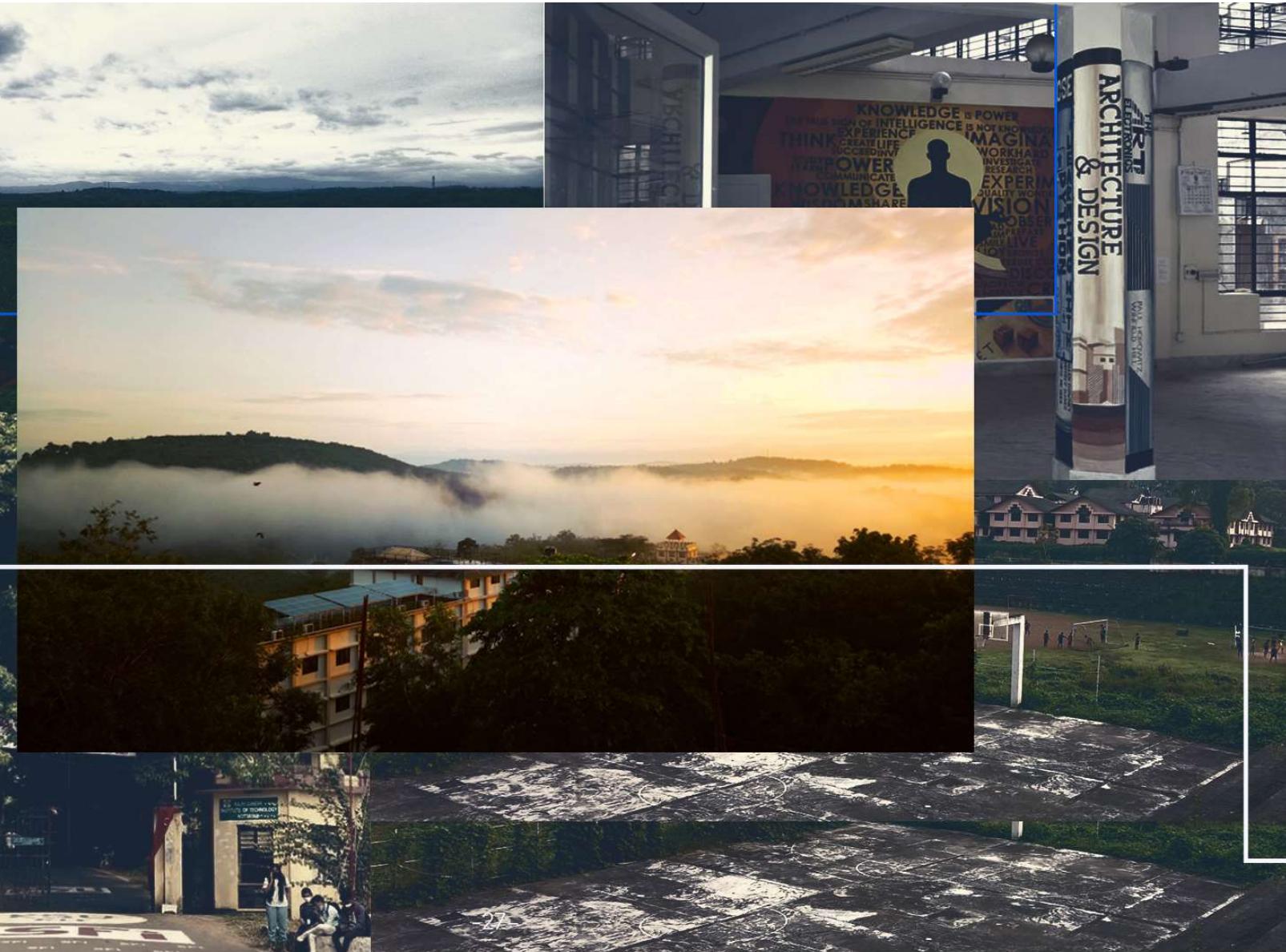


SPORTS

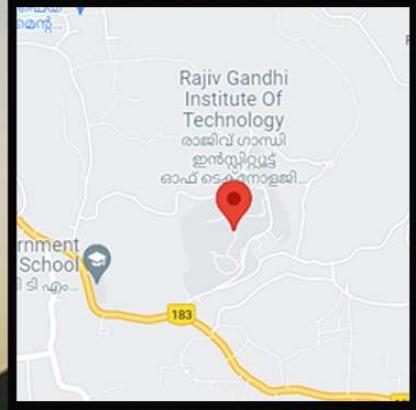


SPORTS EVENTS

GALLERY







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