



ANAND

INTERNATIONAL COLLEGE OF ENGINEERING

Approved by AICTE and Affiliated to RTU, Kota

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ANAND
INTERNATIONAL COLLEGE
OF ENGINEERING



PROSPECTUS 2021

Education with a Difference

REAP CODE 124



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*“Be Acknowledged Globally for
Value based Education &
Innovation in Service of Humankind”*

ABOUT THE INSTITUTE

Anand International College of Engineering (Anand-ICE), approved by AICTE, is amongst the 'A' Grade RTU affiliated colleges in Jaipur established in the year 2010. Since its inception, the institute boasts its credentials of joyous teaching-learning environs of global standards and offers B.Tech Degree program in Civil Engineering, Computer Science & Engineering, Electrical Engineering, Mechanical Engineering and Computer Science & Engineering (Artificial Intelligence). The Institute nurtures intellectually inspiring academic environment with world-class infrastructure, state-of-the-art laboratories and a lush green landscaped campus.

Anand-ICE focuses on imparting the best technical education to the students to make them competent for the professional world. The institute has come up with many innovative academic systems such as the Continuous Assessment Processes, Academic Advisory and Parenting, Faculty-Parent Interactions etc for the holistic development of the students. The entire academic environment at Anand-ICE revolves around the career choices and creative preferences of the students.

The faculty at Anand-ICE comprises subject matter experts, research scholars, industry experts, and eminent academicians who go extra miles to shape the students' career. The family further broadens its intellectual arena by bringing internationally renowned professionals on board.



The institute has adopted Project & Research based learning to facilitate students to not only understand the fundamentals of engineering and science but also train to obtain sustainable solutions of real-life problems. Further, the curriculum is loaded with intensive industrial training & practices, corporate learning and life skills.

Additionally, the Anand-ICE has employed a unique feature of empowering students to make them compete globally. The institute has built strategic partnerships with various renowned foreign universities and industries of the UK, USA, Italy, Germany, China, Spain, to name a few, for Students' Summer Training on Scholarship. The institute also encourages the students to incubate their innovative concepts to foster new ventures through the Anand Incubation Centre.

Further achieving a higher mark of excellence, the Anand-ICE has an association with the country's top-notch companies and draws all possible benefits from their expertise on quality hands-on-learning for enabling students to excel in their careers.

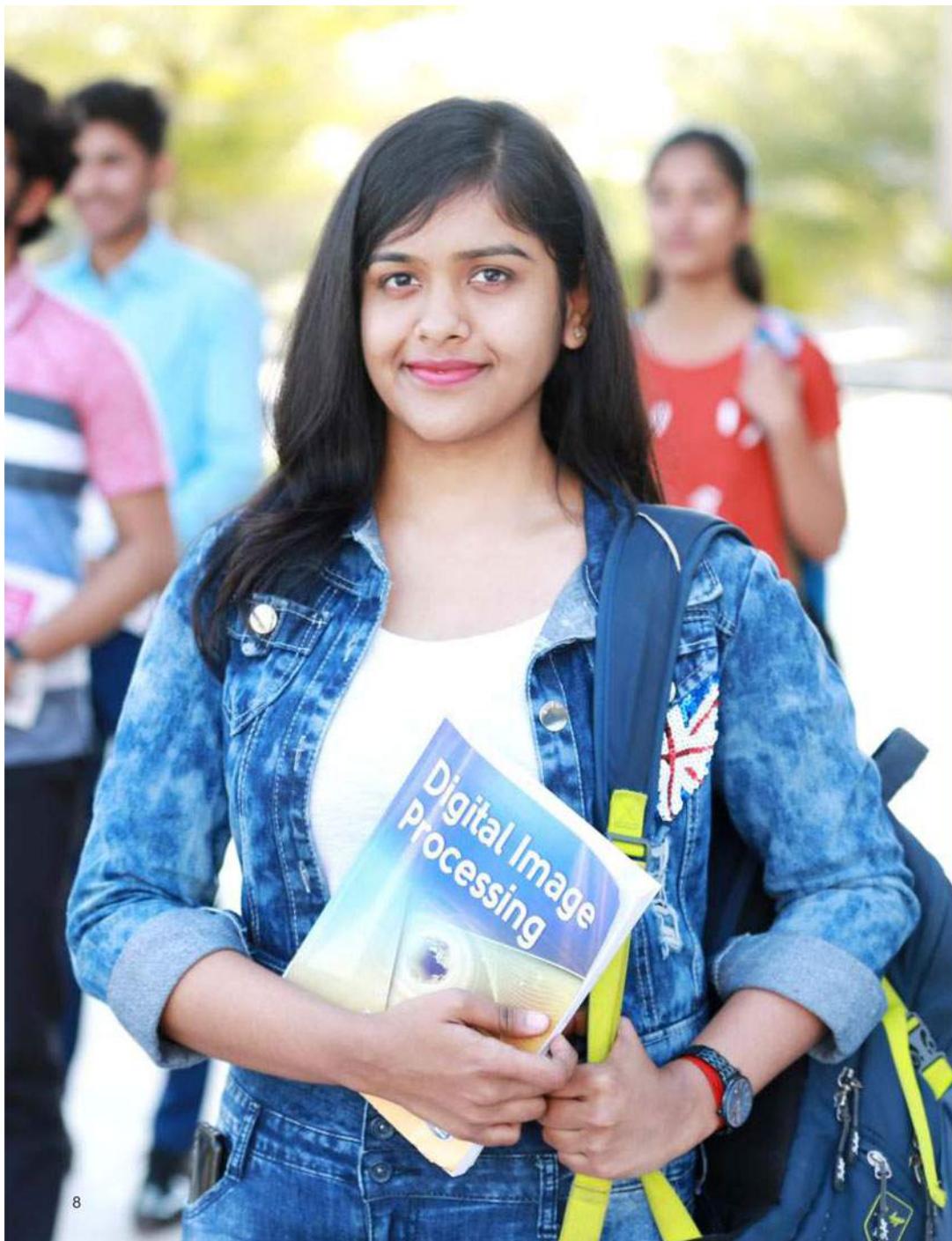
The campus enriches students with a diverse range of competencies and gears them up to respond to the challenges of every aspect of life and compete globally. The success of our students in the wider world itself speaks for them.

Come and see the difference,
We have made it Virtual!

AWARDS RECEIVED BY THE INSTITUTE

Anand International College of Engineering has distinguished itself as an excellent learning place for bringing social reforms through dissipating quality education. In a span of ten years, the college has established itself as a quality education provider and received acclaim from various reputed agencies.





TOP 6 REASONS TO JOIN ANAND-ICE

1 GLOBAL EXPOSURE

Anand-ICE provides once in a life-time opportunity to the graduating students to pursue their one month summer internship from renowned foreign universities/ industries of USA, UK, Germany, Italy, China, Spain, Russia, Turkey, Thailand & Central America on scholarship. More than 100 Anandites have availed the Abroad Training Scholarship till date.

2 TRAINING & PLACEMENT

At Anand-ICE, we don't just educate, but also provide 200% placement assistance to our students. We have achieved 100% placements in last three years with average package of 8 LPA in 2020. Our Training and Placement team works in close connection with the industry and has established 200+ industrial tie-ups across the country for student internship.

3 INCUBATION CENTER

The Institute promotes students to incubate their innovative ideas/start-ups in a state-of-the-art Anand Incubation Centre within the campus, and with its extension at the heart of the city, Bapu-Nagar for meeting all needs of the business including workspace, mentoring and wholesome support.

4 LEARNING WITH A DIFFERENCE

At Anand-ICE, we ensure learning beyond classroom through Project & Research-based learning. The institute has developed its own unique Anand-Edge that extends edges of learning beyond RTU curriculum providing opportunity to the students for attaining expertise in multi-domains of knowledge.

5 PERSONALITY GROOMING PROGRAM

Institute's in-house complimentary program with a dedicated team of the best trainers infuses the required communicative & other soft skills in students enabling them to compete globally.

6 WORLD-CLASS INFRASTRUCTURE & LABORATORIES

The campus nurtures intellectually inspiring lush-green landscaping with state-of-the-art classrooms, seminar halls and laboratories equipped with contemporary equipment and teaching aids. The CCTV enabled secured campus is also built with separate male-female residential hostels extending 24x7 monitoring & medical aids. The campus inspires the students to become champions in their professional life while building a life long bonding.

The Man with Vision...

“The Anand-ICE ecosystem is creating future global technocrats and world-thinkers, and incubating tomorrow's business leaders. Our graduating students design their own career path, move ahead and vibrate the world.”



FROM THE OFFICE OF THE CHAIRMAN

Welcome to Anand-ICE!

I, write on behalf of a fraternity of Academicians at the Anand International College of Engineering who are constantly reinventing themselves to gear up for a great scenario of downloading education to students in virtually all situations. We have always strived for our mission of constantly changing ourselves to meet Technical education standards at its highest and best and keep it there.

We, are very proactive and determined to make sure that our present students and those who join us in the new semester are in no way behind any academic schedule or skill set in the coming times come what may. Whether, it is online education or online certifications from internationally reputed universities or internships

in industry, we will make sure that our students remain at the top always shining bright.

So, you can be rest assured that Anand International College of Engineering will not by any means, leave its students to chance and that we will leave no stone unturned to keep them in tune and updated. We remain the same sturdy group of individuals who are always committed to striving for excellence and quality education.

I promise to keep the crescent of this great institution flying high and vouch that nothing will deter us from keeping our commitment to education and excellence in peak shape.
ALWAYS

Manoj Mittal

Ms Monika Mittal has brought her laurels in international business administration while pursuing Master's in Business Administration at University of Northampton (UK). She also carries international certification in marketing with the Chartered Institute of Marketing (UK). She has attained expertise in making right Financial Decisions and effective management of Organizational Behaviour- the keys for success of an organization. Her continual pursuance with international credentials, committed efforts and innovative thinking is shaping Anand-ICE into an exceptional institute.



FROM THE OFFICE OF THE VICE CHAIRPERSON

Friends, Greetings!!!!

At Anand International College of Engineering, we are always ready and upbeat to start resetting ourselves every day for a better future. We ensure our students to have a new sense of learning and each one passing through transformations and growing for life of leadership. We further lay the foundations for thinking, learning and growing that make our students not just engineers, but global citizens who lead our nation forward.

We are a unique community of students and staff dedicated to bringing out the best in all its members. We are also equally committed to assisting our students in getting placed in some of the top companies through our constant mentoring and a program that has been uniquely designed which focuses on Personality

Development and enhancement of Professional Skills. We have put into place a rigorous and robust array of activities that would make sure that our students on campus are active and completely industry ready.

At Anand-ICE, we believe our students greatly enhance intellectual ambiance of the institute, and Anandites carry potential to bring laurels to the institute. Many nationally, and few internationally are recognized for their scholarship, research and contributions.

I call upon all the young minds to this place of wisdom and ensure that your years at Anand-ICE will be filled with erudition, excitement, and experiences that you can cherish for a life time!

Monika Mittal

THE PRINCIPAL

Prof. Vijay Kumar Sharma
M.Tech., PhD (SLIET)

Prof. (Dr.) Vijay Kumar Sharma has eight years of industrial experience at M/s. National Engineering Industries Ltd. (NBC Bearing), Jaipur in the field of manufacturing, quality control and vendor development and fifteen years of experience in teaching and research. He has published 30 research papers in international and national journals/ conferences. He has worked as reviewer for various reputed international journals. He has guided a student project of DST, Rajasthan as PI. He has guided two M.Tech. Thesis and currently providing offline support to M.Tech. and PhD students from various universities.



THE ACADEMIC COUNCIL

The Academic Council of Anand-ICE is the academic body which regulates and supervises the overall academic policies of the institute and lays down proper procedures for instructions, research and examination.

Anand-ICE's academic environment revolves around students' creative preferences and propels for meeting out their curricular, co-curricular and extracurricular needs. And, the Council plays a significant role in ensuring that the institute's commitment to quality education and student learning is fulfilled. The Council monitors student performance and ensures continuous improvement in the academic processes for attaining the mark of excellence in engineering education.

The Academic Council members include the College Management, Heads of Schools and Administrative Representatives carrying vast experience in academics, research and industry.



Mr. Manoj Mittal
Chairman



Ms. Monika Mittal
Vice Chairperson



Prof. Vijay K. Sharma
Principal



Prof. Praveen Agrawal
Vice Principal



Prof. Bhavana Mathur
Head - SAME



Er. Pramil Sinha
Head - SEPE



Er. Shiv Kumar S
Head - SCEE



Dr. Sunil K. Jangir
Head - SCIT



Er. Vivek Bhojak
Head - SECE



Prof. Anil Dhawan
Head - SBAS



Mr. Sandeep Jaiman
Head - SLLL



Er. Dharmesh Santani
Head - IT Cell



Prof. Sanjana Chugh
Controller of Examination



Mr. Prashant Joshi
Senior Corporate Trainer



Ms. Riddhi Bharadwaj
Training & Placement Officer



Er. Dharmendra Kumar
Proctor

THE VICE PRINCIPAL

Prof. Praveen Agarwal
M.Sc., M.Phil., PhD (MNIT)

Prof. Praveen Agarwal has 20 years of experience in Academia & Research. Recently, he has been conferred with the Most Outstanding Researcher Award (2018) for his contribution to Mathematics by the Union Minister of HRD of India, Mr. Prakash Javadekar. He has positioned himself among the top 10 research professors in the field of Mathematics in India for the period of 2015-17. He has been on the editorial boards of around 100 Journals, and published more than 200 research papers in reputed Journals including 8 books published by Springer and Taylor & Francis Ltd.

Prof. Agarwal is also a Visiting Professor at several national and international universities such as Leipzig University of Applied Sciences (Germany), Institute of Applied Mathematics and Automation (Russia), Institute of Sammenxia Suda Transportation Energy Saving Technology (China), Harish-Chandra Research Institute (Allahabad, UP) and Adjunct Faculty in the Netaji Subhas University of Technology (New Delhi).



EMINENT FACULTY

Our academic fraternity comprising prominent faculty serves as the finest resource at Anand-ICE. Since its inception, the Anand-ICE cautiously selects the subject matter specialists, progressive researchers, and eminent faculty and brings them on the board.

The faculty at Anand-ICE comprises professionals with some having rich experience in industry, some in academia while others are associated with foreign universities in the area of research. They provide contemporary learning and research environment to students and create the finest futuristic technocrats and leaders by analyzing the learning needs of the present generation.

In addition, we have globally renowned professors from IIT's and foreign universities on-board as visiting faculty.



SCHOOL OF CIVIL & ENVIRONMENTAL ENGINEERING



VISION

To produce highly competent Civil Engineers of International standards catering to global needs and promote research & development in various fields of Civil Engineering

MISSION

To provide quality education by performing forward-looking research – both theoretical and applied, that will enhance our profession as well as the society

PROGRAM OFFERED

B. Tech. - Civil Engineering

INTRODUCTION

School of Civil & Environmental Engineering (SCEE) aims to promote quality education to students through project-based learning and research-based learning in various research areas such as Structural Engineering, Environmental Engineering, Smart Materials, Transportation Engineering etc. Our strong industrial tie-ups around the globe, facilitates our students to grab the best opportunities for a rich work experience and career progression throughout the course and beyond.

SCEE

DOMAINS

Structural Engineering & Construction Management

Structural Engineering focuses on the framework of structures and designing those structures to withstand the stresses and pressures of their environment and remain safe, stable and secure throughout their use. Whereas, Construction Management focuses on the overall planning, co-ordination and control of a construction process from the start to the end.



Earth & Environmental Engineering

This stream focuses on how structures are built by Civil Engineers, such as building and tunnels, interaction with the earth and design and planning for slopes, retaining walls etc. While, Environmental Engineering focuses on the engineering principles to improve the environment and to provide clean water, air and land for human habitation and for other organisms and to remediate polluted sites.



Transport Engineering & Management

This stream provides knowledge about planning, designing, operation and managing everyday systems such as streets and highways. Civil Engineers also plan larger projects such as airports, ship ports, mass transit systems and harbours.



INDUSTRIES SERVED BY CIVIL ENGINEERS

(Both Government as well as Private)

- Building / Real Estate
- Roads, Highways
- Railways / Metro
- Airports, Ports and Harbours
- Urban Infrastructures like sewage, water distribution, electrical distribution, smart cities
- Telecom Infrastructure
- Industrial Sheds
- Capital Projects like Oil & Gas, Power, Fertilizer etc.

LABORATORY FACILITIES

(Softwares & Equipment)

We facilitate our students with learning of advance softwares, in addition to the courses as specified in the syllabus to make them industry ready. The laboratories of the department are equipped with modernized equipment. Some of the highlighting softwares and equipment are:

- | | |
|-----------------|------------------------------|
| • Auto CAD | • Universal Testing Machine |
| • STAAD Pro | • Rebound Hammer |
| • E-Tabs | • Air Permeability Apparatus |
| • Revit | |
| • Total Station | |

SCHOOL OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY



VISION

To nurture the promising youth in mastering the skills to solve complex technological problems of knowledge-based industries and to contribute towards modern social needs

MISSION

To cover extra miles for globally competent Computer Science & IT Professionals through excellence in training and extensive practical exposure

PROGRAM OFFERED

B. Tech. - Computer Science & Engineering

INTRODUCTION

School of Computer Science & Information Technology (SCIT) is committed to build the most conducive environment for quality academic and research-based graduate engineering education. The curriculum is blended with core and elective technologies. The core technology strengthens the rigorous foundation to make the budding engineers, technically competent, while a varied option of most recent electives ensures that they are abreast with the latest technical innovations and growth to get specialized in respective areas of futuristic technologies of their interest.



DOMAINS

Data Science, Machine Learning and Artificial Intelligence

Data science is a broad field of study pertaining to data systems and processes, aimed at maintaining data sets and deriving meaning out of them. Artificial intelligence aims at enabling machines to execute reasoning by replicating human intelligence. Whereas, Machine Learning is considered a sub-set of AI by which systems can automatically learn and improve from experience.

Mobility, Pervasive and Application's Computing

To improve customer satisfaction and revenue by transforming core business processes, enhancing engagement initiatives, optimizing costs and promoting workforce productivity, organizations need an effective mobility. Pervasive computing is the growing trend of embedding computational capability into everyday objects to make them effectively communicate and perform useful tasks in a way that minimizes the end user's need to interact with computers by including design Methodologies, operation principles, maintenance & testing approaches.

Cloud Computing and Big Data

Big Data and Cloud Computing deal with voluminous, large set and huge volume of data and information & the platforms, architectures and other means to access them respectively.

Cyber and Network Security

Cyber security refers to the protection of devices, processes, infrastructure and assets of the organization from cyber-attacks, data theft, breaches, unauthorized access etc. It's an umbrella term which encompasses different types of security process used in the field of IT Social networking, security, computing and IT Infrastructure management.

iOS LABORATORY

Apart from most modern configured labs with latest machines and newest versions of software for enhancing the practical skills with Machine Learning, Artificial Intelligence, Image Processing and Database, the School of Computer Science & Information Technology at Anand-ICE is unique to have a Macintosh Apple Laboratory for learning and development of apple based iOS apps and tools for iPhone, iPad, Mac, Apple Watch, Apple TV, and iMessage services. It's the first in the state of Rajasthan and provides an edge over other global technologies to enhance the skills for working anywhere in the world.

INDUSTRIES SERVED BY COMPUTER ENGINEERS

Data Science, Machine Learning and AI:

Data Scientist, Machine Learning Engineer, Business Intelligence developer, Full stack Developer, Software Architect, Data Analyst and Front-end Developer

Mobility, Pervasive and Application's Computing:

Application Programmer, System Programmer, Developer & Software Tester, Mobile App [Android/iOS] Developer and Architect

Cloud Computing and Big Data:

Cloud Architects, Sales & Services Engineers, Product Managers, Data warehouse Engineer, Software Engineers and Services Developers

Cyber and Network Security: Threat Analyst, Forensic Planning and Expansion Specialist, Security Architect, Forensic Malware Analyst Examiner, Computer and Information System Manager

SCHOOL OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY (Artificial Intelligence)



VISION

To achieve excellent standards of quality-education by leveraging the latest tools, nurturing collaborative culture and customer oriented innovations in relevant areas of academia and industry towards serving the greater cause of society.

MISSION

To impart knowledge of Artificial Intelligence methods used in different fields, including neural networks, Intelligent Systems, Data analytics, and data mining, in order to present machine learning problems and solutions.

PROGRAM OFFERED

B.Tech. - Computer Science & Engineering
(Artificial Intelligence)

INTRODUCTION

Artificial Intelligence (AI) has become an integral part of technology in our daily lives, and considering its exponential growth in the recent years, Anand-ICE has introduced B.Tech. - Computer Science & Engineering (Artificial Intelligence). Artificial Intelligence is a branch of Computer Science that focuses on creating intelligent machines that work as human beings and replicates intelligent behavior. With the existing strength of Machine learning, IOT (Internet of Things), and Big Data Analytics laboratories, the Anand-ICE has a plan to strengthen the infrastructure further for higher-end learning enabling the students to build intelligent machines, software, or applications with a cutting-edge combination of machine learning, big data tools and visualization tools.



DOMAINS

Data Science

Data scientists leverage their skills in various subjects including math, statistics, programming, and other related areas to work with large datasets and derive useful insights from them to address real world challenges and achieve new goals. The goal of data science is to extract business-focused insights from data. This requires knowledge of how value and information flows in a business, and the ability to use that understanding to develop solution for real world problems and identify business opportunities.

Machine Learning and Deep Learning

This field of AI deals with extremely large data sets that may be analyzed by machines to reveal patterns, trends, and associations in the given data. The study of algorithms which improve automatically through experience comes under Machine Learning and Deep Learning. It is part of Machine Learning methods based on Artificial Neural Networks. Learning can be supervised, semi-supervised, or unsupervised.

Computer Vision

Computer Vision deals with developing algorithms that can interpret images like humans. It includes methods for acquiring, processing, analyzing and understanding digital images, and extraction of high-dimensional data from the real world in order to produce numerical or symbolic information, and take decisions based on them.

Natural Language Processing

NLP is the area of Artificial Intelligence that deals with understanding of Natural human language by machines. It plays a significant role in applications where there is a need to take input from user in natural language, which may be unstructured. NLP has made it possible to develop various applications like robots, chatbots, etc. that helps to make life easy.

Robotics

Robotics handles repetitive business processes using software robots to perform tasks, parse, and trigger error-free responses 24/7. Developing computational thinking and critical thinking skills is one of the significant building blocks for coding, programming, and eventually autonomous machines. The hands-on program is using robot blocks that doesn't need computers in order to be programmed.

Virtual Reality and Augmented Reality

Virtual and Augmented reality technologies are expected to be the most trending technology in the upcoming decade. This aims to bring together physical robots with digital gadgets and accessories, which the students need to program to avoid, hit or run after.



SCHOOL OF AUTOMATION & MECHANICAL ENGINEERING



VISION

To contribute towards the development of society through academic pursuits and be a trendsetter in the field of technical education

MISSION

To impart basic understanding of Mechanical Engineering concepts and their practical application to the undergraduate students so that they can use their professional and creative skills to improve the quality of life of human beings

PROGRAM OFFERED

B. Tech. - Mechanical Engineering

INTRODUCTION

School of Automation & Mechanical Engineering (SAME) aims to help students to encrypt with practical as well as technical knowledge to develop competency in Automobiles, Design & Manufacturing Practices by providing dynamic approach in which students can explore real-world problems and challenges to solve Minor Projects, Live projects and Design Problem challenges. The school comprises world-class laboratories with unique machines and equipment costing more than 1 crore, also facilitating M.tech and Ph.D students from various institutes to perform their experimental work.

SAME

DOMAINS

Mechatronics & Robotics

Mechatronics is a study of interactions between mechanical systems, electrical systems and control theory. It covers a diverse field of electro-mechanical systems from simple on/off controls to sophisticated robotic systems. Robotics is a subset of Mechatronics.



Advanced Mechanical Design

This involves the study of design of mechanical devices and equipment. It also includes improving or creating the design of manufacturing processes or systems.



Thermodynamics & Thermo-Sciences

Thermo Science is a branch of physics that deals with heat and temperature and their relation to energy, work, radiation and properties of matter and the science of the relationship between heat, work, temperature and energy is Thermodynamics.



Kinematics and Dynamics of Machines

Kinematics & Dynamics of Machines studies the motion of mechanisms and machines, with or without taking into account the forces acting on them.

Advanced Manufacturing

Advanced manufacturing is the use of innovative technology to improve products or processes, with the relevant technology being described as "advanced," "innovative," or "cutting edge."

INDUSTRIES SERVED BY MECHANICAL ENGINEERS

- Automobiles industry
- Steel plants
- Chemical industry
- Oil exploration and refining industries
- Space research organization
- Electronics industry
- Technical wings of armed forces

LABORATORY FACILITIES (Softwares & Equipment)

To provide hands on training to the students, SAME has a range of softwares and equipment as well as few specialized training programs. Few of our prominent labs include:

- Production Engineering Lab
- Automobile Engineering Lab (with Cut section model of MAHINDRA JEEP)
- Fluid Mechanics & Machines Lab (with different Hydraulic Turbines and Pumps)
- CAD Lab (with cut-viewer software, Auto CAD Software, Ansys software)
- Project Lab
- Heat Transfer Lab
- Mechanical Workshop (STIR CASTING Machine as special setup)
- Dynamics of Machines Lab
- Metrology Lab (with surface roughness tester)
- Thermal Engineering Lab (with different IC engine setup)

SCHOOL OF ELECTRICAL & POWER ENGINEERING



VISION

To create ethical and responsible graduates who can implement their learning in the field of Electrical Engineering for future aspirations and leave their mark wherever they go

MISSION

To impart core knowledge and enhanced learning in the field of Electrical Engineering to the students, so that they can add value to the society and bring positive changes globally

PROGRAM OFFERED

B. Tech. - Electrical Engineering

INTRODUCTION

The School of Electrical & Power Engineering (SEPE) deals with the technology of electricity, especially the design, application of circuitry and equipment for generation and distribution, controllers, instrumentation etc. We aim to provide advanced knowledge to the students with the help of modern tools and programs in order to reduce the complexity in real time problems as well as to develop insight in relating theoretical concepts with practical applications so as to adopt the industrial technologies when they complete their course work.

SEPE

DOMAINS

Power System and High Voltage Engineering

This division extends specialization in power system analysis, planning and operation, power system protection and switchgears, including the challenging field of high voltage engineering.



Renewable and Futuristic Energy

The role of renewable energy has been increasing significantly due to the growing needs of electrical power and limitations of fossil fuel resources. The most frequently used renewable resources are solar, wind, water, tidal geo-thermal and biomass.



Power Electronics and Drives

This division extends specialization in the use of various electrical machines and the aspects of control system engineering. The success of upcoming technologies in the field of solar power, power systems, electric vehicles and the modern electric trains etc. largely depend on this domain of electrical engineering.



INDUSTRIES SERVED BY ELECTRICAL ENGINEERS

Every single industry (Government, Public Sector Units and Private Sector) needs an electrical engineer which makes this discipline evergreen for the future engineers.

- Power Electronics & Drives
- Power Generation, Transmission & Distribution
- Operation, Control & Automation, Maintenance
- Telecommunications
- Energy
- Defense, etc.

LABORATORY FACILITIES

The school is equipped with world-class laboratories and latest softwares towards the need of modern day learning such as

- MATLAB
- Advanced Power Electronics Lab
- Machine Lab
- PCB Design Lab
- Advance Control System Lab
- Power & Energy Systems Lab
- Measurement & Instrumentation Lab

SCHOOL OF BASIC AND APPLIED SCIENCES



VISION

To create excellence in education by igniting and fostering enthusiasm, curiosity and passion in the study of basic sciences

MISSION

To impart education of fundamentals so that students can well appreciate the intricacies of day to day problems and attempt to solve applied problems in real life situation

INTRODUCTION

Applied Sciences serve to build up a strong fundamental background concerning many natural phenomenon in application to different disciplines of Engineering. The School, with highly dedicated team of faculty and staff members is committed to cultivate the fundamental principles and understanding of science to enhance the students' basic knowledge of engineering. The well-equipped laboratories of the school extend academic learning and practical exposure to the students and facilitate world-class research. Our goal is to provide a strong foundation in basic sciences and mathematics to the budding scientists and engineersthat can be applied in various branches of engineering.

SBAS

DOMAINS

Applied Physics and Material Science

This division deals with the development of materials with the challenges of creating revolutionary devices, materials in a variety of fields including Materials Science, Energy and Environment. The academic curriculum enlightens the knowledge of the undergraduates with practical learning and solving real life problems.



General & Applied Chemical Sciences

This division imparts practical knowledge of chemical sciences to the students which is helpful in their engineering aspects and make students sensitive and responsive to changing needs of the society. The faculty of SBAS is actively involved in the research & development assignments for meeting the requirements of society such as water technology, pollution control, bio-diesel, solid waste management etc.



Pure and Applied Mathematics

The division focuses on pure, applied and applicable mathematics to prepare students for productive careers in academic by providing an excellent environment of teaching, learning and research in the theory and applications of Mathematics. The department produces logical thinking, analytical reasoning, problem solving skills and scientific computing technique based on mathematical method for the students, who can prepare for their specific profession, learn advanced studies and explore career in research.



Humanities & Social Sciences

The Humanities and Social Sciences constantly strive to prepare the students for employability by imparting language skills for developing communicative competence. Since skills and personal attributes are revealed through communication, the responsibility of grooming students in life skills is also emphasized as part of language teaching and learning.

SCHOOL OF LIFE LONG LEARNING



The School beyond Study.....

School of Lifelong Learning is an initiative by Anand-ICE to expose the students to an environment of corporate grooming and encourage them to learn creative and critical decision making, develop an awareness of how to work and negotiate with people and resolve stress and conflicts in their lives. Our team of expert trainers and mentors has meticulously designed a unique syllabus and advanced teaching methodologies for our students to enable them succeed in any recruitment process. This complimentary program incorporates the following qualities and skills in students:

SLLL

- Personality Development
- Team Building and Management Skills
- Public Speaking
- Aptitude and Mental Alertness
- Logical Reasoning
- Time/Stress Management
- Group Discussions
- Personal Interview
- Email Etiquette
- Human Values
- Effective Communication Skills and much more

Life Long Learning is intrinsic value and skill based training that creates a robust professional capable of leveraging skills and talent to Industry and Innovation. It is also a constant endeavor to train and re-train personnel on shifts in technology and human effort. It is a milestone to achieve and a lesson to learn that defines the very essence of the journey of life.

TIGER TRAINER INITIATIVE

Tiger Trainer Program at Anand-ICE is an effort to chisel in talent and also groom it so that there is a surge in the confidence of the student. Our Trainers juggle with multiple experiential methods to give the students a chance to enter into the elite club of Anand-ICE Tiger Trainers who have had extensive exposure to Kinesthetic and human behavior.



SHAPE YOUR FUTURE

Programs Offered

Anand-ICE offers four years full-time B.Tech degree program in five disciplines of Engineering.

Civil Engineering | Computer Science & Engineering
 Computer Science & Engineering (Artificial Intelligence)
 Electrical Engineering | Mechanical Engineering

Seat Matrix

Discipline	Branch Code	Approved Intake
Civil Engineering	05	60
Computer Science & Engineering	06	60
Computer Science & Engineering (Artificial Intelligence)	80	60
Electrical Engineering	07	60
Mechanical Engineering	13	60
Total Intake		300

Eligibility

For B.Tech course, the minimum eligibility is 10+2 pass in Physics/Mathematics/Chemistry/Computer Science/Electronics/Information Technology/Biology/Informatics Practices/Biotechnology/Technical Vocational subject/Agriculture/Engineering Graphics/Business Studies/Entrepreneurship (any three of the mentioned subjects) with at least 45% marks from any recognized board and equivalent. Admissions will be on the basis of JEE (Mains) Score or class XII percentage.

Lateral Entry for B.Tech in II Year

After Diploma, a student can enter the mainstream of Engineering by taking admission directly in the 2nd year of B.Tech Program. The eligibility criterion for the same is as follows:

Three-years/ Two Years Diploma/B.Sc. Degree (with Mathematics as a subject)/ D.Voc. with a minimum of 45% marks (40% for SC/ST/Non-Creamy Layer SBC candidate of Rajasthan) from a recognized university as defined by UGC.

Fee Structure

In compliance with the Rajasthan Government norms, Fee for the session 2021-22 is as under:

Course	Tution Fee (per annum)	Caution Money (one time & refundable)	Admission Application Form Fee (non-refundable)
B.Tech. I year	Rs. 85,000/-	Rs. 7,500/-	Rs. 1,000/-



SCHOLARSHIP

Anand-ICE offers scholarship to the meritorious students, the details of which are as follows:

A. ENTRY LEVEL MERIT SCHOLARSHIP

Under this category, students are awarded scholarship on the basis of either JEE (Mains) Score or XII Class %

JEE (Mains) Percentile	XII %	Scholarship (% of I Year Tuition Fee)
85-100	90-100	20%
75-85	85-90	15%
65-75	80-85	10%

B. ANAND MERIT SCHOLARSHIP

Besides offering an entry level scholarship to the meritorious students, we also offer Anand Merit Scholarship in EACH SEMESTER on the basis of RTU exam results

B.Tech Marks in Each Semester (%)	Scholarship (% of Tuition Fee)
90-100	20%
85-90	15%
80-85	10%

C. ABROAD TRAINING SCHOLARSHIP

The institute also extends Abroad Training Scholarship to the qualifying students in Anand STAT (Scholarship Test For Abroad Training) for industrial training at renowned institutions and Industries overseas.

GLOBAL EXPOSURE



Abroad Summer Training Scholarship Program

Anand-ICE awards scholarship to its third year students for their one month summer training from foreign industries/universities on the basis of their outstanding academic performance. All the interested students need to appear for Anand STAT (Scholarship Test For Abroad Training) to qualify for this scholarship.

This program extends international exposure to the students and widens their knowledge base. Additionally, more than ever, it is necessary for graduating students to be globally competent engineering professionals and one of the best ways to achieve this is through travel and exploration. This internship is aimed at helping the students to acquire the practical knowledge in the area of specialization at renowned foreign industries/universities that they will be choosing for expanding their knowledge base and brightening their career.

More than 100 alumni of Anand-ICE have benefitted from this program till date.

Scholarship for Master's Course:

Our students visiting the Florida International University, USA for their summer internship are awarded a scholarship of 10000 USD for pursuing Masters Course at FIU (USA).



Tie-ups With International Industries & Universities



USA



UK



Italy



Germany



Thailand



Turkey



Spain



China



Costa Rica



China



Italy



Hong Kong & USA

International Visiting Professors

Anand-ICE regularly hosts professors from renowned foreign universities for bringing new insights to research and teaching. Some international professors who recently visited the institute/connected with our students and faculty members and brought new perspectives in their subject areas:



Prof. Shekhar Bhansali
Florida International University, USA



Prof. Ken Ono
University of Virginia, USA



Prof. Ali Taheri
University of Sussex, UK



Prof. Shigeru Kanemitsu
SUDA Research Institution, Sanmenxia, China



Prof. Carlo Cattani
The University of Tuscia, Viterbo, Italy



Prof. Takao Komatsu
School of Science, Zhejiang Sci-Tech University, China



Prof. Jochen Merker
HTWK Leipzig University of Applied Sciences, Germany



Mr. Gregor Michael Schulte
HTWK Leipzig University of Applied Sciences, Germany



Prof. Miho Aoki
Shimane University, Japan



Prof. Yang Quan Chen
University of California, USA



Prof. Chanon Promsakon
King Mongkut's University of Technology, Thailand



Prof. Jessada Tariboon
King Mongkut's University of Technology, Thailand



Prof. Ghazi S. Khammash
Alaqsa university, Jordan



Prof. Clemente Cesarano
International Telematic University Uninettuno, Italy

ANAND EDGE

An Edge Beyond Academic Curriculum

In today's rapidly changing technical environment, the industry expects engineering graduates to have intelligence in more than one discipline and possess leadership skills to be able to work with teams of multidisciplinary knowledge. Student aspirations and demands of the workplace have become highly diverse. Thus, as part of continuous improvement in providing quality education, Anand-ICE took a leap ahead and came up with Anand-Edge for bridging the gap between industry needs and RTU academic syllabus. The Anand-Edge is loaded with many industry-led courses and specialized courses in engineering disciplines and sub-disciplines. Through Anand-Edge, students may fulfill their aspirations of attaining multidisciplinary expertise and have an insight about the current industry trends.

Active Spoken Tutorial center of IIT Mumbai

This platform enables the students to learn and master various programming languages and softwares including Arduino, Bio Python, Blender, Drupal, e-Sim, QCAD , R, C & C++, JAVA, JBA, Python, PHP& MySQL, LINUX, LibreOffice, BASH, Scilab, LaTeX, Perl, Netbeans and many new technologies. All tutorials are in the form of Audio-Video content with self-learning methodology and also available in various regional languages including Hindi, Bengali, Tamil, Marathi, etc.



Active NPTEL Center with seven Core IITs and IISc Bangalore

NPTEL (National Programme on Technology Enhanced Learning) Courses are directly taught online by the Professors of IITs and IISc Bangalore which are useful for training, value addition and improving the quality of engineering students. The course materials (both web and video) can be accessed by anyone and from anywhere.



Certified RED HAT Academy

Red Hat® Academy benefits students and educational institutions by offering comprehensive curriculum, hands-on instruction, immersive labs, and performance-based testing thus turns academic institutions into centers for enterprise-ready talent by outfitting them with Red Hat Training and Certification.



MOU with American Construction Company - TICO

TICO (Costa Rica) is a renowned innovative Central American company with an Architecture workshop, specialized in eco-efficient design and mixed construction systems. With the development of our projects, we seek to generate a positive impact on society, so one of our challenges is to constantly challenge the current paradigm of unsustainable construction.



Tie-up with Chinese Electric Vehicle manufacturing company

Henan Suda Electric Vehicle Technology Co., Ltd. is a research enterprise that mainly engages in the development, process design, manufacturing management and sales of the new energy vehicle and its core components. It aims to produce safe, intelligent, energy-saving, durable and affordable new energy vehicle products. The students at Anand-ICE are benefited to learn the technology with world class researchers.

Licensed Membership of Oracle Academy

Oracle Academy Licensed membership offers educational institutions free computing education resources for the classroom to help increase knowledge, skills development, innovation, and diversity in technology fields giving access to world-class technology and software, expert curriculum, teaching and learning materials, classroom resources for the students, Oracle certification for hands-on practice.



First Nodal Center in Rajasthan for Virtual Labs with IIT Mumbai

Anand-ICE is designated as a Nodal Centre (NCID-109) for Virtual Labs of IIT Bombay, an initiative by National Mission on Education through ICT. The focus is to maintain the labs already developed and reach out to all potential users of Virtual Labs. Virtual Lab provides all the relevant material at one place including the Objectives of the Experiment, Procedure, Lab manual, Pre and Post experiment quizzes, additional Lab resources, in addition to the Virtual Lab experiment.



Nodal Center for IIRS in Rajasthan

Anand-ICE is the nodal centre for the IIRS outreach programme conducted by Indian Space Research Organization which is being conducted through modes like Live and Interactive classroom sessions and E-learning based online courses. The students are enrolled free of cost and are facilitated with e-learning contents along with certificates after the completion of course by ISRO enhancing the opportunities to the students for a rich career progression.



Student Chapter of IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading society for the advancement of Science and Technology of Electronics, Telecommunication, Computers, Information Technology and related areas. The IETE Chapter at Anand-ICE aims to keep the students updated about the latest technologies by arranging lectures and inviting eminent personalities from Industries and other sectors to provide training to the students.



Student Chapter of IEI

The Institution of Engineers (India) is a statutory body to promote and advance engineering and technology facilitating the students with knowledge resources like rich collections of the IEI library networks and provides opportunity to participate in technical events like seminars, symposia, conventions, workshops etc. and attend national & international seminars, workshops in different parts of the country.



Academic Alliance with UiPath

Anand-ICE has partnered with UiPath for collaboration on growing the Robotic Process Automation (RPA) knowledge ecosystem. This platform works with leading schools and workforce development organizations to equip students and professionals with the skills they need for an automated world.



Partnership with CSRBOX for IBM SkillsBuild

SkillsBuild, a CSR (Corporate Social Responsibility) initiative of IBM, is a free access digital learning platform which focuses on industry relevant skill development in students. On successful completion of courses, the students can earn IBM certified badges that can be uploaded directly on LinkedIn or stated on the CV. It consists of more than 7000 Learning Activities from Coursera, Code Door, Udemy, Skillsoft, Google, IBM Skills Academy, and many which can be accessed for free through SkillsBuild.

RESEARCH, DEVELOPMENT AND CONSULTANCY



Scientific and technological innovations are the basic needs for the economic prosperity of the country. In view of this, Anand-ICE has provided platform for the engineering students to get expertise in various upcoming fields such as smart materials, die based designing, automations, wireless communications, renewable energy, environmental studies, Seismic vulnerability, Soil Stabilization, corrosion testing, soft computations, system security and big data in the benefit of the society. Committed to excellence in fundamental research as well as in the development of innovative technologies, Anand-ICE offers an excellent research environment for the entire Anand fraternity including faculty.

290+

Research
Paper
Publications

26+

Article/Chapter
Published in
Books

100+

Conferences/
Workshops/
Seminars
organized

1.25 CR+

Funds for National/ International
Research Projects received by
DST/DAE/ SERB, India and other
International funding agencies

SEMINARS/ WORKSHOPS/ CONFERENCES/ FDPs/ WEBINARS organised at Anand-ICE

National

- Seminar on 'Entrepreneurship Development' from March 19-20, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Aditya Paliwal
- 'Student Excellence and Learning Programme' from March 12-17, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Prof. Sanjana Chugh
- FDP on 'Statistical Learning-Based Internet of Things (IoT)' from March 10-14, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Dharmendra Kumar



- Workshop on 'Applications of Fractional Calculus in Engineering & Technology' from March 01-05, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Ajit, Mr. Prakash Singh and Mr. Rahul Goyal
- Expert Lecture on 'Engine Design and Development with Modern Material' on February 25, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Anup Kumar Dubey & Mr. Sourabh Jain
- Expert Lecture on 'Product Development Process and Tools' on February 23, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Nalin Sharma
- Workshop on 'Role of Education & Corporate Sector in making New India' from February 05-09, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Ms. Riddhi Bharadwaj
- FDP on 'Advancement in Structural Engineering & Concrete Technology' from February 01-05, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Sushil Bhutada
- Workshop on 'Software Testing' from February 01-05, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Sanjog Arora



- Expert Lecture on 'Secondary Steel in Construction Industry' on January 28, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Sushil Bhutada
- Expert Lecture on 'Opportunity in Infrastructure Domain & Project Management' on January 23, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Neeraj Manglani
- Workshop on 'EDA Tools in the field of Engineering' from January 18-22, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Vivek Bhojak
- Workshop on 'Remedial Classes- Engineering Physics' from January 11-16, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Prof. Anil Dhawan
- Workshop on 'Planning & Design in Various Fields in Electrical Engineering' from January 11-15, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Mr. Pramil Sinha
- National Seminar on 'Engineers' Role In Energy Conservation, Energy Efficiency, Use of Renewable Energy, Environment & Climate Change' on January 6, 2021 sponsored by Petroleum Conservation Research Association coordinated by Er. Vivek Bhojak
- FDP on 'Technology & Innovation in Math Education' from September 14-18, 2020 sponsored by TEQIP-III RTU(ATU) coordinated by Prof. Praveen Agarwal
- FDP on 'Artificial Intelligence and Machine Learning Using Python' from September 10-12, 2020 sponsored by TEQIP-III RTU(ATU) coordinated by Prof. Praveen Agarwal
- National Webinar on 'Nanotechnology and its Applications in Engineering' on August 10, 2020 coordinated by Prof. Anil Dhawan

- National Webinar on 'Our Role & Responsibilities in the Context of COVID-19' on July 28, 2020 coordinated by Mr. Pramil Sinha
- Workshop on 'Natural Language Processing and Data Mining' on July 23, 2020
- National Webinar on 'Impact Indicators of Research Output' on July 22, 2020 coordinated by Dr. Sayed Faheem Naqvi
- National Webinar on 'Industry Tropicalisation' on July 16, 2020 coordinated by Mr. Sandeep Jaiman
- Webinar on 'Getting Into A PSU - Why Your Chances are Better than You Think' on July 11, 2020 organised by the Training & Placement Cell and Anand Alumni Association
- Webinar on 'Future of Construction Startups in India' on July 11, 2020 organised by the Training & Placement Cell and Anand Alumni Association
- Webinar on 'Welding Technology in Automobile Industry' on July 09, 2020 organised by the Training & Placement Cell and Anand Alumni Association
- Webinar on 'Career Opportunities as Electrical & Mechanical Engineers in Construction Industries' on July 08, 2020 organised by the Training & Placement Cell and Anand Alumni Association
- Webinar on 'Boom in Gaming Industry and Ways to Get In' on July 07, 2020 organised by the Training & Placement Cell and Anand Alumni Association
- Webinar on 'Importance of Sales Force, Cloud Technology & Programming Languages in IT Aspirants' on July 06, 2020 organised by the Training & Placement Cell and Anand Alumni Association
- National Webinar on 'Raspberry Pi - An IoT Magic Box: Introduction and Applications' on June 13, 2020 coordinated by Prof. Praveen Agarwal
- National Webinar on 'Importance of Financial Literacy' on June 12, 2020 coordinated by Prof. Praveen Agarwal
- Webinar on 'Mental Health and Coping during Covid-19' on June 08, 2020 coordinated by Prof. Praveen Agarwal
- International Science & Technology Online Lecture Series from June 03-06, 2020 coordinated by Prof. Praveen Agarwal
- FDP on 'Python 3.4.3' in association with Spoken Tutorial by IIT Bombay from May 26-30, 2020
- FDP on 'LaTeX' in association with Spoken Tutorial by IIT Bombay from May 19-23, 2020
- Webinar on 'Block Chain Fundamentals' by Zubi on May 18, 2020
- FDP on 'Universal Human Values' sponsored by AICTE from January 16-18, 2020

International

- 2nd International Conference on Recent Development in Engineering & Technology (ICRDET-2021) from February 26-27, 2021 sponsored by TEQIP-III RTU (ATU) coordinated by Prof. Bhavana Mathur
- International Seminar on 'Recent Developments of Special Functions and their Computer Algebra' under SERB TARE PROJECT, DST, India from January 28-31, 2020
- Expert Lecture on 'Why does Ramanujan – 'The man who knew infinity' matter?' by Prof. Ken Ono (The Thomas Jefferson Professor and the Vice President of American Mathematics Society) on December 4, 2019
- International Workshop on 'Mathematics Model of Non-Local Interactions' under DST DAAD PROJECT, DST, India from October 3-6, 2019
- International Conference on 'Recent Development in Engineering and Technology' sponsored by TEQIP-III RTU from September 14-15, 2019
- International Seminar on 'Engineering & Mathematical Applications' on July 15, 2019
- International Seminar on 'Global Engineering Education' on June 19, 2019

Government Funded Research Lab

The Department of Atomic Energy, Government of India has allocated a fund of rupees 25 Lakhs to Prof. Anil Dhawan, Principal Investigator for the research project entitled 'Development of Zr. & Ni based metallic glasses and surface modification'. All the research equipment under this project were sponsored by BRNS/DAE Government of India.



RESEARCH CONSULTANCY FOR OTHER INSTITUTES & INDUSTRIES

The following research activities are offered by Anand-ICE to UG, PG, Research students and Industries:

Concrete Technology

- Tests on Cement
- Tests on Aggregate
- Compressive Strength of Concrete Cubes
- Mix Design

Machining Work

- CNC Milling
- CNC Turning
- Simple Mill/ Lathe/ Shaper/ Grinder/ Drill Carpentry/ Fitting/ Welding/ Sheet Metal/ Foundry shop



Environmental Engineering

- Water Sample Analysis
- Chemical Tests
- Waste Water Analysis
- Fuel Analysis

Measuring Equipments

- Surface Roughness Tester (Mitutoyo Japan Make)
- Lathe Dynamometer
- Milling Dynamometer
- Drilling Dynamometer
- Tool Tip Temperature Measurement



Road Material Testing

- Aggregate Testing
- Bitumen Testing
- Bituminous Mix Design

Material Science

- Stir Casting Set-up
- Muffle Furnace
- Metallurgical Microscope
- Automobile Engineering
- Test Rig for 4 Cylinder Petrol Engine Test Rig for 4 Cylinder Diesel Engine



INNOVATIONS & PROJECTS

Research and development oriented learning allows graduate engineers to use their skills to push the frontiers of science forward. The aim of research and development is to improve the current technologies offered by an organization or to develop innovations that can solve or strengthen any social or organizational need and resolve problems.

Anand-ICE provides a strong platform for innovations, where students are trained by our expert faculty members from their initial stages to have first-hand experience of implementing concepts & theories of engineering and technology. The undergraduate students have developed a range of innovative projects relevant to the need of society. Few of them are as follows.

School of Civil & Environmental Engineering

- BRICKARP- used in the construction of houses by effective utilization of plastic wastes, in association with *Tico Arquitectura* (*Costa Rica*)
- Anaerobic Bio-digester- an innovative concept to produce bio-gas for individual dwellings
- Research activities related to sustainable construction including manufacturing of building material units by effective utilization of wastes



Anaerobic Bio-digester

School of Computer Science & Information Technology

- Terrorism Detection from Social Media in India
- Intelligent Emergency Management System
- E-Krishi for farmers
- Mobile application for Anganwadi Centres in the state of Rajasthan
- Pashu Jivan for cattle of Rural India
- Smart Home- an IOT based home solution for urban areas



Humanoid Robot

School of Automation & Mechanical Engineering

- Fabrication of 3-D Printer- 3D printing enables the production of complex shapes using less material than traditional manufacturing methods

- Designing of Golf Cart- an electric cart which runs on battery as well as solar power which can be used for comfort travelling in large campuses at low cost of charging
- Fabrication of Humanoid Robot- a robot built to aesthetically resemble humans which may be used for functional purposes such as interacting with humans, welcoming etc.
- Designing of robotic arm- a type of programmable mechanical arm with similar functions to a human arm and can be used to lift load up to 10 KGs



Golf Cart

School of Electrical & Power Engineering

- Power Quality- Power Quality issues and challenges in the hybrid system at the distribution level, loss reduction in power system using soft computing technique
- Electric Vehicles- Analysis of electric vehicle using human power generation to minimize grid penetration
- Voltage Stability- Reactive power planning using the heuristic algorithm
- Transient & Dynamic Stability- Improvement of small signal stability using FACTS controllers, Transient stability analysis of SMIB using Artificial Neural Network

School of Basic & Applied Sciences

- Mobo Tech- This is a web page which contains the application linked with their webpages
- Smart Home Automation- a home automation system which can be controlled by any smart phone through Bluetooth
- GPS Connected Drones- a multi-copter drone, named for its multiple propellers; the technologies used to make the mechanics of drone flight smooth include an accelerometer, a gyroscope, and other complex technologies. Drones have numerous uses in the defense, military, security and modern warfare
- Hero Saviour- a soldier friendly robot with its outstanding features (such as a Bluetooth for better communication and a wireless night vision camera) made up of high quality aluminium which makes it rough and tough
- Agriculture Application Development- a website to help students in updating their knowledge and exploring different types of plants



Hero Saviour

CORPORATE EXPOSURE

Enabling our students to be corporate ready, Anand-ICE ensures maximum industry integration throughout their educational journey. Through the Corporate Exposure, students get the deepest insight about the industrial working.

The institute has built strong long-term relationships and formal understanding with several prominent corporates that provide focused industry orientation to nurture students' learning and industry preparedness through industry-expert lectures, regular industrial visits as well as internship opportunities.

Employment-oriented Professional Training including regular conduction of Mock Drives is also taken care by a dedicated team of professional trainers to make the students industry ready.

Industrial Visits

We organize Industrial Visits in each semester for the students to provide real technical insight into the industrial practices as well as up-gradation of fast growing technologies. Our students recently visited the following corporate houses:

- Genus Power Infrastructure Ltd.
- Ultra Tech Cement Ltd.
- Johari Digital Healthcare Ltd.
- Kota Super Thermal Power Ltd.
- Uttam Bharat Electrical Pvt. Ltd.
- Vaibhav Global Ltd.
- Mayur Uniquoters Ltd.
- Intex Technologies Ltd.
- WEP Solutions Ltd.
- Bisalpur Dam
- Ashok Leyland Ltd.
- Kansara Bearings Ltd.
- Dot Square



Corporate Talk Shows

Practical learning is accelerated in the institute by organizing seminars on relevant and up-coming technologies for the benefit of the students and faculty. Competent and eminent professionals from various specialized fields address students and share their wealth of knowledge. This provides a clear perspective about the industry to the students. Some Talk Shows hosted recently include:

- "History of Ball Bearing and Its Uses and Importance" by Dr. RajaramGanesan, Manager (R&D), National Engineering Industries (NEI/NBC)
- "Thermal Power Plant & Solar Plants Performance Management" by Mr. Sandeep Dixit, Head – APTRI, Adani Power Ltd.

- "Industries Vs. Engineers" by Mr. ChanderThapar, Hybrid Cloud Lead, Microsoft
- "Industries Vs. Engineers" by Mr. RaoRajendra Singh, Group Vice President (HR), Hiranandani Constructions Pvt. Ltd.
- "Project management" by Mr. Pramod Mishra, General Manager HR and Mr. Ajay Singhal, General Manager Contract of Simplex Infrastructure Ltd.
- "Importance of Corporate - Academia Collaboration for Developing a New India" by Mr. ShishirShekhar, Sr. Global Market Manager, MathWorksInc, Boston (USA)
- "Journey to Blue Team" by Mr. VinitSinha, Director, Cyber Security SME, Master Card
- "Advancements in Structural Steel" by Mrs. Sindhu Nair, L&T Constructions
- "Engineers in Industry 4.0" by Mr. Piyush Sharma, Accenture
- "Corporate World and Freshers" by Mr. Rajeev Ranjan, Infosys
- "World of Technology and Engineers" by Mr. Gaurav Mishra, TCS



Internship program

Internship plays a significant role for the engineering students as they are trained for their skill they are good at giving them a chance to apply their knowledge practically in industries. To ensure that the students have a skillful learning experience, we have tie-ups with more than 200well-known corporates for their summer trainingincluding the following:

- Sadbhav Engineering Ltd., Rajasthan
- RAICAM Automotive Pvt. Ltd., Gujarat
- HG Infra Engineering Ltd., New Delhi
- DilipBuidcon Ltd., Maharashtra
- Maruti Suzuki India Ltd. Haryana
- Ashok Leyland, Rajasthan
- Havells India Ltd., Rajasthan
- BOSCH, Rajasthan
- REIL, Rajasthan
- Simplex Infrastructures Ltd., New Delhi
- Tata Steels, Jharkhand
- Mahindra & Mahindra, Haryana





CAMPUS PLACEMENTS

The Training & Placement Cell of the Anand International College of Engineering is closely connected to the Reputed Well-known Organizations from Core & IT Sectors which helps students to pursue the right career in Engineering. The T&P Cell of the Institute arranges Induction Programs, Skill Development Programs, Short & Long Term Internship Programs and Campus Placements. The Placement Record of Anand-ICE has been worth admirable since inception as Anandites are Serving in various Reputed Profiles Across the Globe and in Organizations Like PWC-Chicago, Appirio-Australia, Amazon, L&T, Tata Motors and so on.

- 100% placement in last three batches
- Strong Corporate Connect.
- Centralized Anand Alumni Association for the Assistance of Anandites in Career Related Domain.
- Structured Internship Module from 1st Year Onwards.
- Regular Mentoring & Counseling Sessions.
- Professional Training Programs with the help of Corporate Mentors.

Our Recruiters



and many more...

SHINING ANANDITES



and many more

Proudly Mentoring the IIT's



Anand Incubation Center is a highly energized & optimistic work place at the heart of Jaipur City with luxurious Co-working space, Personalized Cubical & Premium Desks where people connect, interact, exchange ideas, collaborate and "invent awesome innovation together" to create a hub for ambitious, awesome startups, entrepreneurs and freelancers.

Our unique modules provide freedom to choose and use dedicated customized space plans with modernized facilities as Premium dedicated cubical, Co-working shared space, Team boxes, Discussion rooms, Thinking zone, Conference hall & Board room, Idea generation matrix, Virtual office facility, Fully furnished Wi-Fi enabled campus, Cafeteria Lounge etc.

AIC has been initiating tremendous efforts to strengthen India's entrepreneurial ecosystem by facilitating most important attributes of Start-up success:

- ✓ Infra & facility management service
- ✓ Connect with Banks and Govt. Schemes
- ✓ Mentoring and Training
- ✓ Legal and Regulatory Compliances
- ✓ Knowledge Sharing
- ✓ Networking Opportunities
- ✓ Investment Communities
- ✓ Workshops & Events

Our Centers

Anand-ICE|Bapu Nagar



Ishita Mittal
III Year, CS
Mittsure
TECHNOLOGIES LLP

Anand Incubation Center has been a home to some of the biggest startup success stories. One of our students, Ishita Mittal recently launched her startup- MITTSURE TECHNOLOGIES LLP under the mentorship of Anand Incubation Center which has grown as a successful establishment within a very short span of time.

Our Events

Regular events are organized by AIC to support innovative ideas & boost overall entrepreneurship ecosystem

- 3-day Innocity Bootcamp at Anand-ICE by Startup Oasis and Anand Incubation Center
- Workshop for top project teams of Concours at Anand Incubation Center
- Next Big Idea Contest by Zone Startups, India and Anand Incubation Center
- Smashup by TIE Rajasthan in collaboration with Anand Incubation Center and 100 Co-founders Lab
- Headstart Startup Saturday organized by Anand Incubation Center
- "Innocity Pitch" Business Plan Presentation for Startups & Entrepreneurs in association with Startup Oasis & Anand Incubation Center



WORLD CLASS INFRASTRUCTURE

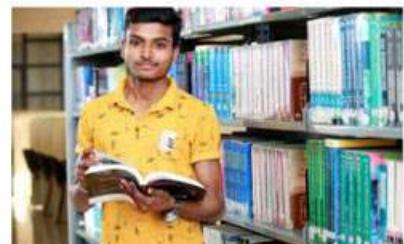


The campus is set up amidst lush green environs away from the humdrum of city life, at the same time is well connected to the city by the Jaipur-Agra National Highway. It is a place where ideas are born, leaders are created and lives are transformed.

- Wi-Fi enabled campus
- Landscaped green with rich architecture and modern facilities
- 24X7 secured campus with CCTV surveillance
- State-of-the-art laboratories with additional labs such as Apple Lab, Stir-casting Machine
- Theatre style classrooms and seminar halls
- Open access Library
- Training & Placement Cell with GD/Presentation rooms and interview cabins
- Aesthetic academic, administrative and laboratory blocks
- Incubation Centre
- Cafeteria, ATM and Departmental Store
- AC buses
- Indoor & outdoor sports facility including squash court, basketball, volleyball, football, badminton, kabaddi, cricket net practice pitch and much more under the supervision of a coach
- Anandites Activity Center
- Girls & Boys hostels offering homely food and parenting
- 24*7 Study & Computer Center

LIBRARY: The Resource Centre

The open access on-campus library offers a collection of over 15,000 volumes of Text & Reference books relating to various disciplines. From a range of journals to magazines, facility for watching Swayam Prabha Channels, news and related resources; there is a lot in store for the young engineers. Operated digitally, the library facilitates Bar-code based Circulation, New Arrivals, Photocopying, Reference Services, Multimedia PCS, DELNET, NPTEL audio-video, Reading Hall, Cooperative Learning cum Discussion Cabins, Faculty Reading Room.



CLASSROOMS

Contemporary tier-style classrooms and lecture halls give the future technocrats, a focused arena to polish their learning skills. The students can get their queries resolved fearlessly by having a close and focused interaction with the faculty in the tutorial rooms which are especially designed for small groups.



AUDITORIUMS

The college is equipped with two full-fledged air-conditioned auditoriums with high tech audio-visual facilities, for organizing events, seminars, cultural programs etc., providing a platform to students to discover their hidden potentials.



CAFETARIA

Cafeteria is a perfect location for hangouts, conversations and a lot of constructive discussions among the young minds offering a variety of snacks and beverages appealing to varied preferences and tastes of the students.



TRANSPORT

AC/Non AC transportation is provided to students and faculty through a fleet of buses plying from different locations of the city. All buses are embedded with the remote sensing devices.

HOSTEL



With the feel of a home away from home, the college offers to its students coming in from different parts of the country, separate boys' and girls' hostels, with stylish and peppy ambiance promoting constructive peer discussions. At Anand-ICE, we extend a fantastic choice of living providing a safe, secure and sociable start to your college experience.

We offer to our students a variety of rooms at very economical prices which also includes a number of facilities including attached bathrooms, food, gymnasium, housekeeping, electricity backup and a lot more.

- Well-furnished, single/double/triple sharing AC & Air Cooled rooms with attached toilets
- 4 veg meals-a-day Mess
- Free Gymnasium with an instructor
- RO drinking water
- 24*7 Electricity
- Wi-Fi connectivity
- Hot water supply
- Separate recreation halls with TV
- 24*7 Medical assistance
- Round the clock supervision by Hostel Wardens
- Transport facility during exams
- Guest house





LIFE AT ANAND-ICE

Anand International College of Engineering is committed to provide the best possible student experience. To maintain the energy levels of students in academics and regulate their flow of creativity, it is vital to get them engaged in some extra-curricular activities while rejuvenating themselves.

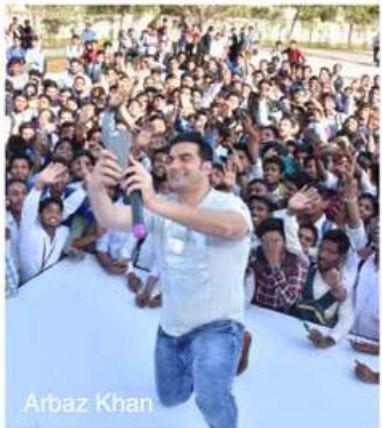
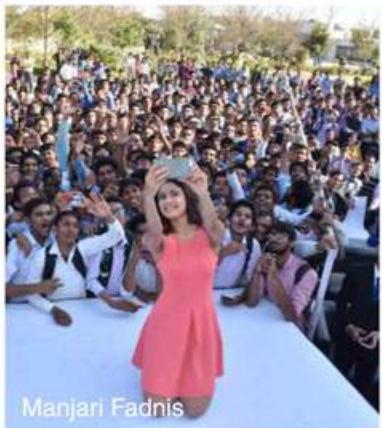
Anand-ICE regularly organizes a range of events and activities and encourages a good participation of the students for their skills enhancement, confidence building, social interaction and new relationships development.

- Anandites' Activity Center Comprising Various Clubs
- Celebrity Visits
- Cultural Fest- ECHOES
- Tech Fest- CORONA
- Annual Sports Meet
- Fresh Fest- CHRYSALIS
- Farewell Bash - HASTA-LA-VISTA
- Alumni Meet- BONHOMIE
- National Level Hackathon- SOFTTECH-HACK

CELEBRITY VISITS ON CAMPUS

Anand-ICE often witnesses the visit of various Bollywood Celebrities on Campus.

From the actors like *Randeep Hudda*, *Tushar Kapoor*, *Yami Gautam*, *Pulkit Samrat*, *Arbaz Khan*, *Manjari Fadnis*, *Himansh Kohli*, *Rajneesh Duggal*; comedian- *Sanjay Mishra*; Bollywood director- *Vikram Bhatt*; Playback Singer- *Darshan Raval*, *Tony Kakkar*; Pop Bhangra Artist- *Jaz Dhami* to the sports personality like *Zaheer Khan*, the college has always welcomed them warmly. Even during the pandemic, the institute has hosted Instagram live chat session with artists like *Tulsi Kumar*. Celebs get candid with Anandites and love performing live among them.



Yami Gautam & Pulkit Samrat

Himansh Kohli

Sanjay Mishra

Echoes & Corona

The annual inter-college techno-cultural fest- Echoes & Corona, organizes various activities and competitions for the students and teachers. The two-day fest brings the hidden talent of the students on stage and boosts their confidence.

In Echoes, Anandites get a chance to demonstrate their talents in various cultural events and competitions on board. More than ten inter-college events are held encompassing various fields. Corona-the technical part of the fest is a fusion of more than 10 different technical events. It brings out the hidden talent and expertise in our young engineers.



Annual Sports Meet

Anand-ICE organizes inter-college annual sports meet and the students are encouraged for participation in various sports games as individual and in teams. The college offers wide open playgrounds and quality courts for various sports and recreation activities.

Inter-college tournaments also encourage the students to enhance their competitive skills and team spirit. More than 18 events encompassing various sports and games are held.



Anandites' Activity Center (AAC)

At Anand-ICE, we believe in education with healthy mind and that is why a dedicated center is there to manage students' participation in various activities. The motive is to reduce stress among the students and to maintain the balance between academics and extracurricular activities. AAC comprises eleven clubs fulfilling the student interests, and students are encouraged to be member of atleast one club. The motive is to develop social interaction, work as a team, and bring leadership qualities and confidence building among the students. Cultural, sports, technical, social and literary activities are organized by the center every Saturday. Clubs at Anand-ICE include:

- Singing and Rhythm Club
- Dance Club
- Eco & Social Service Club
- Art & Photography Club
- Dramatics Club
- Literary Club Speakers and professionals Club
- Automotive Club
- Mechatronics, Robotics and Automation Club
- Sports, Adventure and Fitness Club
- Design & Modeling Club
- Cyber, Gaming & Animation Club



Anand Alumni Association (AAA)

Anand Alumni Association has been functioning to maintain the alumni relations of Anand-ICE amongst the passed out students. It serves as a voice for alumni to achieve connectivity with the college and to share their experiences by:

- Facilitating engagement among fellow graduates, with current students, and with the college by providing ongoing opportunities for involvement.
- Promoting alumni achievements, concerns and aspirations.
- Building a culture of philanthropy to support current and future generations of Anand-ICE students and alumni.
- Anand Alumni Association organized its 1st Alumni Meet "Bonhomie" on 24th-25th Dec 2018 for the alumni of Class 2010 to 2014.
- Anand Alumni Association organizes frequent events such as "Ambient Portraiture Contest" to achieve larger connectivity and involvement.



SoftTech-HACK

National Level Event on Hackathon & Entrepreneurship

Anand-ICE (Jaipur) in association with RTU (Kota) organized a National Level event on Hackathon & Entrepreneurship, SoftTech-HACK 2021 from March 09-10,2021. The unique feature of this Hackathon was its blended mode, i.e. Online and Offline with hardware and software editions. The event was an exhibition and celebration of brilliance and zeal, and host to many great innovative minds to overcome the challenges our world faces.

Hon'ble Minister of Technical Education-Govt. of Rajasthan, Dr. SubhashGarg, Vice-Chancellor-RTU (Kota), Prof. R. A. Gupta and other dignitaries witnessed this mega event. The event was truly a technical extravaganza of epic scale, providing students from all disciplines a unique opportunity to come together, innovate, and present their ideas on a platform like no other.

130 Teams and over 450 students from across the country, representing prestigious institutes, were seen working together towards winning bumper cash prizes worth INR 1.60 Lakhs. Participants were mentored and judged by the experts from industry and entrepreneurs from successful start-ups. This 36 Hours long extravaganza on campus was our way of challenging the status quo and igniting in creative minds the spark to invent and re-invent, and we saw happening here was exactly what we see in any super creative task.

There were dreams being weaved and the participants were literally a part of professional simulation and which they seemed to be enjoying to the hilt. This was all done on the sprawling campus of the Anand International College of Engineering taking care of the Covid protocols.



OUR INITIATIVES

Towards the commitment to serve the society at large, Anand-ICE regularly runs campaigns and organizes events to raise awareness and to enact positive change.

Adoption of Village Dayarampura

Under the National Mission of Government of India, Anand-ICE has adopted village Dayarampura to help in its development in all aspects. In view of this, many activities are organized time to time by the Anandites addressing various issues prevailing in the village relating to drinking water, water sanitation, electricity, social awareness. Students also make the people of the village aware about the frauds and malpractices going on in the country in the name of superstitions through their Nukkad Natak performance. This event gives the opportunity to the students to contribute in the development of a better country.



Blood Donation & Free Health Check Up Camp

A blood donation & free health checkup camp is organized every year by the NSS Unit of the college in the fond memory of our founder, Late Shri Anand Shankar Mittal on the 18th of September every year. Nearly hundred units of blood are donated by the students, faculty and staff of the college. A lot of enthusiasm is seen in the students of Anand-ICE as they come forward to donate their blood for the humanitarian cause. A campaign like this encourages each individual, especially the youth of the country to take a positive contribution towards the social cause.



Concours

CONCOURS- a school level project competition is organized by Anand-ICE to provide a platform for young students to learn, innovate and showcase their skills and knowledge. The themes of the competition include Technology for Sustainable Future, Science for Nation Building, Sustainable Waste Management, Solution for Social Problems and Chemistry in Daily Life. A large number of students come forward to explore innovation in science & technology through this project competition. To encourage the students with the most innovative and creative idea, cash prizes of more than Rs 2 lacs are awarded.



Schoolympics

An inter-school sports competition- SCHOOLYMPICS is organized to create enthusiasm & competition among students in sports and to make their body & mind healthy. The initiative of Schoolympics is also to motivate the students to make sports a part of their lives. This mega event includes football, basketball, volleyball, kabaddi, table tennis, squash, and various athletic competitions. A great enthusiasm is seen during the event, as a lot of schools with their athletes participate in the matches. This initiative is a step forward for promoting the thought of "Khelo India" & "Fit India".



Female Hygiene

Anand-ICE in association with Vasudha Jan Vikas Sansthan, took a significant step towards female hygiene by creating a sanitary napkin bank for the village girls of Thanagazi, Alwar. This step was taken to create awareness among the rural women about their health and safety.



ANAND SAFE FROM COVID-19 (ASFC 19) INITIATIVE

This has been an unprecedented situation that none of us could have gauged. It hit us so fast that nobody around the globe could cope with its effects. The coronavirus is a highly contagious mutant virus that has hit people globally and has paralyzed life across the world.

Nevertheless, life has to go on. Our institutions will now play an even more important role in creating technology for all of us to live an altered lifestyle. Anand-ICE has incorporated a new system called "ASFC 19 Initiative" (Anand Safe from COVID-19 initiative). This is now a standard operating procedure for all students and staff.

This procedure includes some notable changes in teaching-learning activities and some critical changes in campus life.

Teaching & Learning during the Pandemic

Seeing the criticality of the situation and that it may take some time to fade out, we will maintain the decorum of distancing by all means. However, learning cannot halt. Anand-ICE has designed various innovative academic systems and trying its best to ensure seamless learning for the students whether the mode is offline, online or hybrid.



Classes are being conducted for the students via Microsoft Teams in online mode or with social distancing in the classroom (alternate seating arrangement). This will make sure that the students don't lose out on their academic curriculum at any cost.



More than fifteen well-equipped studios are set up in the campus for the purpose of online teaching including digital smart boards which are specially incorporated so that the students have a real-time blackboard teaching-learning experience.



Labs are also being conducted virtually including live video demonstrations by faculties giving the students virtual practical learning experience. In case of offline mode, labs sessions are conducted with reduced student count at a time.



Our students have done their online internship from some of the world's most renowned universities sitting right at home and getting certified. This has proven to be a great advantage to them during placements.



All Teaching and Training activity now includes the latest information and warnings on COVID-19, so that the students are always updated with the latest on this viral threat.



Campus placement preparation for the students including Group Discussions, Personal Interviews, and Technical Interviews is also being conducted in the hybrid mode (virtual as well as physical) by our expert trainers.



Our yearly internship program will now go online again until such time as things don't become absolutely normal. We have arranged with industry to carry out virtual and customized industrial training for the students online. This would enable our students to acquire industrial skills without taking the risk of moving out as of now.



The institute has conducted numerous webinars, online FDP's, online motivational sessions, virtual counseling sessions, online conferences, virtual alma connect programs for the students as well as faculties during the pandemic to keep them updated and motivated during the difficult times.

Changes in Campus Life



An errorless system of social distancing is maintained within the institution.



Sanitization chamber and machines are installed at critical points on the entire campus.



Thermal screening is mandatory at entry points.



A separate 'Isolation Room' is available within the college premises for emergency cases.



The campus is 100% sanitized on a daily basis adhering to complete safety norms. Stationary and building assets will be sanitized for as long as the COVID-19 threat looms over us.



Masks are compulsory for all personnel on the campus including students, faculties, staff, and visitors.

The Anand International College of Engineering will leave no stone unturned to make sure that all personnel including our students are completely safe and secure inside the campus. We are committed to abiding by all norms laid down by the Government of India to beat this pandemic.

LET'S BEAT COVID -19 TOGETHER!!

STATUTORY COMPLIANCE

Anti-Ragging

As per direction of Supreme Court, UGC & AICTE (Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education) Regulations 2009, to prohibit, prevent, eliminate the scourge of ragging including any conduct by any student or students and to provide for the healthy development, physically and psychologically of all the students Anand-ICE has constituted Anti-Ragging Committee as well as Anti-Ragging Squads for College & Hostel.

Institute has "Zero Tolerance Policy" on ragging. Anyone found guilty of ragging or abetting ragging is liable to be punished which may include rustication and lodging of police complaint. Therefore, all the students of Anand-ICE are strictly advised to refrain from all such activities which are directly or indirectly related to ragging.

Women Cell

As per Section 4, All India Council for Technical Education (Gender Sensitization, Prevention and Prohibition of Sexual Harassment of Women Employees and Students and Redressal of Grievances in Technical Institutions) Regulations, 2016 vide No. F. AICTE/ WH/ 2016/ 01 dated 10th June, 2016, the Institute has

hereby adopted the procedure for determining complaints filed to the Internal Complaints Committee (Women Cell) constituted under the Act.

Women Cell examines all matters relating to women in the workplace and makes suggestions and proposals to the institute administration regarding such matters.

Grievance Redressal Cell

As per All India Council for Technical Education (Establishment of Mechanism for Grievance Redressal) Regulations, 2012, the Institute has constituted Grievance Redressal Cell (GRC). Grievances Redressal cell deals with all types of grievances, complaints and malpractices including those received from Students, Faculty and other Stakeholders. Student Grievance Redressal Committee (SGRC) is also constituted by the Institute under AICTE Regulations, 2019 (Redressal of Grievance of Students) to resolve the grievances of the students

Smoking & Tobacco free Campus

Anand-ICE has prohibited the use of all forms of tobacco and cigarettes in all the indoor and outdoor areas of the campus as per the guidelines of MHRD, UGC and RTU, Kota.

HOW TO REACH



By Air

Air travel to Jaipur is the most convenient way to reach the city. The Jaipur airport is located at Sanganer, which is 12 kilometers from the heart of the city. It has both international and domestic terminal and is well connected to most of the cities across the globe with a number of airlines operating on a regular basis. From the Airport one can opt for cab services which will take 30 minutes to reach the campus.



By Train

You can travel to Jaipur (North western Railway) by trains such as Shatabdi Express which is air-conditioned, very comfortable and connects Jaipur to most of the Indian cities like Delhi, Mumbai, Ahmedabad etc. Local transport/public transport, cabs and autos are frequently available for the campus at the station.



By Bus

Taking a bus to Jaipur is a pocket friendly and very convenient idea. The Rajasthan State Road Transport Corporation (RSRTC) runs regular Volvo (air-conditioned and non-air-conditioned) and deluxe buses between Jaipur and other cities within the state. When in Jaipur, you can board the bus from Narayan Singh Circle or the Sindhia Camp bus stand from which frequent transport facility is available to reach the campus.

