



Admissions

The students who have passed the HSC (10+2) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with the following subjects: English, Physics, Chemistry, and Mathematics and secured a minimum of 50% marks i.e. not less than 150 marks out of 300 marks (45% marks i.e. not less than 135 marks out of 300 marks for OBC/SC/ST candidates from Maharashtra) in the subjects Physics, Chemistry and Mathematics added together are applicable for admissions.



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Dehu Phata, Alandi, Pune - 412 105, Maharashtra (India).

MIT

Academy of Engineering

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)



**A TECHNOLOGY
DRIVEN
CAMPUS**

2022-2023

Approved by AICTE, New Delhi Accredited by NAAC & NBA
An ISO:9001 2015 Certified Institute



About MAEER

Maharashtra Academy of Engineering and Educational Research (MAEER) was established as a society and trust in 1983 with the aim of creating and developing professional education facilities to train the aspiring young generation and thus to provide dedicated, ambitious and skilled professionals to serve the society and the nation at large. MAEER believes that "The union of science and spirituality alone will bring harmony and peace to the Humanity" as said by Swami Vivekananda.

The vision of the founders of MAEER is to create a "Center of Excellence in the field of Education and Research". Since its inception, MAEER has been striving for the betterment of the society through a value-based education system. With over 100000+ students studying in more than 70+ institutes across various disciplines under its umbrella, MAEER has achieved tremendous success in a short span of time and has excelled in the fields of engineering, medicine, research, management, Design, Primary and secondary education, peace studies, environment, pollution control. MITAOE is a part of MAEER's MIT Group of Institutions. MAEER endeavors to promote human values and attain the ultimate goal of world peace.

The motto of MAEER is "To harness the knowledge of science and technology for the welfare of society".

From the Director's Desk



Mahesh D Goudar
Director,
MIT Academy of Engineering
director@mitaoe.ac.in

At MIT Academy of Engineering, the students experience learning through exploration, activities, project-based learning, group experiences like faculty-led classes, student-led independent studies, and co-curricular activities ranging from highly structured engineering competition teams to service organizations and social clubs by pursuing new ideas and passionate pursuits. Learning in all of these contexts is fun and inspiring, and it lets students work on things they are excited about. These activities inspire creativity and equip students to use what they've learned to make a positive impact on the world we live in. This is made possible through highly qualified, experienced, and motivated faculty with a sense of purpose. The institute's serene atmosphere, infrastructure that keeps abreast of global standards, excellent academic facilities, and outstanding residential environment richly add to the perfect ambiance for studies and thereby help us achieve the exacting standards of academic excellence. We aim to give our students a complete educational experience, thereby transforming them into well-groomed professionals.

We assure that every new student who spends four years at MITAOE is transformed into a mature adult who can stand up to any challenge in his personal or professional life and confidently declares, "I can, and I will do it the right way."

About MITAOE

MIT Group of Institution is one of the most prestigious academic groups in the state of Maharashtra which comes under the aegis of the Maharashtra Academy of Engineering and Educational Research (MAEER), Pune.

Maharashtra Institute of Technology (MIT) was one of the first few private engineering institutes established in the state in 1983. MIT Academy of Engineering (MITAOE), Alandi (D), Pune, was established in 1999 under MAEER by the honourable Prof. Dr. Vishwanath D. Karad, Founder and Executive President of the MIT Group.

The institute offers six UG programmes (B.Tech) respectively in Chemical, Civil, Computer, Electronics, E&TC and Mechanical Engineering, and two PG programmes (M.Tech) in Computer and Mechanical Engineering (Heat Power Engineering) .

Today, MITAOE is regarded as one of the best professional institute in Maharashtra. This fact has been even exemplified by the Savitribai Phule Pune University (SPPU), Pune by honoring the institute with the 'Best Professional Institute Award' .



Under Graduate Programs

- B.Tech Chemical (NBA)**
- B.Tech Computer (NBA)**
- B.Tech Electronics**
- B.Tech Electronics & Telecommunication (NBA)**
- B.Tech Mechanical (NBA)**
- B.Tech Civil**

Post Graduate Programs

- M.Tech Mechanical Engineering**
(Heat Power Engineering)
- M.Tech. Computer Engineering**

Affiliations, Accreditations and Salient Features

An autonomous institute affiliated to the Savitribai Phule Pune University (SPPU), Pune. Approved by the All India Council for Technical Education (AICTE), New Delhi, Government of India.

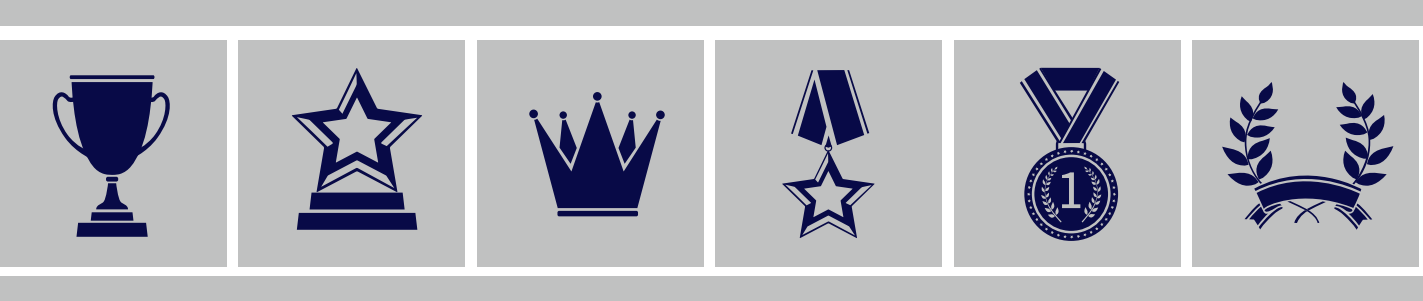
Accredited by the National Board of Accreditation (NBA), AICTE, New Delhi for programmes for imparting quality education and providing congenial ambience with modern infrastructure, well-equipped laboratories and many other facilities for co & extracurricular activities.

One of the first few Engineering colleges under the University of Pune to be ISO 9001: 2000 standard complaint. Currently we are an ISO 9001: 2015 complaint institute.

The MITAOE has received many awards and accolades for its excellence in Education and Research. Learning-centred approach, personal attention to all the students and effective implementation of their valuable suggestions received through the continual feedback mechanism and 'Student Teacher Interaction Scheme', make the teaching/learning process more effective.

The institute endeavours to impart holistic education to its students in order to contribute to their all round development. We are committed for their bright future and hence facilitate them to realize their dreams.

Awards and Recognitions



- Best Professional Institute Award by the University of Pune on the occasion of the University Foundation Day.
- MITAOE received the Clean and Smart Campus award 2019 by AICTE.
- MITAOE has bagged Best Magazine Awards 2017-18, 2018-19, 2019-20 by SPPU, Pune
- MITAOE has secured and recognized as "Band Performer" at the ARIIA - Atal Ranking 2021 under the self-finance institute category
- MITAOE received Excellence in Performance of Teaching Learning Center during 9th ICTIEE 2022.
- MITAOE has received Green Institutional Mentor Award" 22nd March 2020 Hyderabad by MHRD, Government of India in 2020-21
- World Education Award for Best Innovation at the World Education Summit 2012 organized by AICTE, UNESCO, IIT Gandhinagar, and many other government organizations.
- Our go-karting crew was able to take home five first-place trophies, including prizes for "best design," "best cross-pad," and "endurance runner-up."
- MITAOE secured rank in Best Performer at ARIIA-ATAL Ranking 2020-21, secured rank "Top 26-50 with Band - B" in 2019-20, Secured rank "Top-100" in 2018-19.



CHEMICAL ENGINEERING

NBA Accredited

Degree Awarded : B.Tech
Course Duration : 4 years (Full Time)
Annual Intake : 60
Eligibility Criteria : 10+2 & HSE (MHT CET/JEE)



With competent faculties and excellent laboratories equipped with simulation software, MITAOE's chemical department is no less than the torch-bearers of the tech-driven future. Focusing on survival in today's corporate shifting sands, all the teaching, research, and social services imparted by the department seeks to obtain national and worldwide prominence.

MITAOE strives to improve engineering education's quality and competency by constantly improving its students' competence by upskilling them and creating a never-quenchable thirst for learning. Recognizing the potential, the department drives various research projects, heralding a high grade of innovative projects and activities. The department is well-known in the Pune region for its advanced ties with prestigious industries and research laboratories.

Careers & Placements

Well-known industries such as Honeywell, Allied Blenders & Distilleries, Praj, Garware Polyesters Limited, Nalco, Jubilant Life Sciences, Jindal Steel, Mu Sigma, Godrej, Raj Process Equipment, Gharda Chemicals, Supreme Petrochemicals, Moji Engineering, Hindustan Unilever Limited, Deepak Nitrite, Sanmar Group, etc. come regularly for campus placements.



COMPUTER ENGINEERING

NBA Accredited

Degree Awarded : B.Tech
Course Duration : 4 years (Full Time)
Annual Intake : 180
Eligibility Criteria : 10+2 & HSE (MHT CET/JEE)

The mission-centric approach has driven MITAOE towards cementing its road to success since its inception in 1999. Back then, when the computer was at a nascent stage, the need for skilled computer professionals was identified successfully by the veteran. Since then, the institute has been working towards meeting the demand for well-qualified computer professionals, striving for global excellence in research, teaching, and technology development.

The sustained effort to produce computer graduates with the optimum potential to design and develop systems involving the integration of software and hardware devices has made MITAOE a common name. The innovative approaches to programming and problem solving as well as creative ways to use technology are infused into the bloodstreams of all MITAOE computer graduates. Along with the technical knowledge, the emphasis is on the overall personality development of the students.

The focus is to provide an advanced platform for the students to exhibit their talent and skills across all sectors of engineering and computer engineering. It is arguably the most prominent area for job opportunities at present, and the quest is to provide the best talents to fill this gap. Job descriptions that do not exist today will be quotidian tomorrow, and the goal is to prepare the students for the same. It is expected that this continued growth of opportunities will accelerate as the world approaches the era when artificial intelligence in computers begins to leave the laboratory and becomes a truly realizable goal. And we want to pioneer this transition.

Careers & Placements

The Department of Computer Engineering effectively prepares students to pursue leadership, technical, and management positions in a variety of industries. Students have obtained successful placements at leading companies like IBM, Capgemini, Cybage, Cognizant, Inautix, Infostrech, Musigma, Wipro, etc. Some of the alumni are writing history as successful entrepreneurs.



MECHANICAL ENGINEERING

NBA Accredited

Degree Awarded : B.Tech
Course Duration : 4 years (Full Time)
Annual Intake : 180
Eligibility Criteria : 10+2 & HSE (MHT CET/JEE)



Careers & Placements

Our diversified portfolio of syllabus and training has empowered our students to explore various opportunities in a broad spectrum of industries. Many IT industries also have CAD/CAM divisions, which increases the job potential of mechanical engineers. Students are placed in many core industries such as JSW, JCB India Ltd, SANY, Michelin, Tetra Pak, Forbes Marshal, Thermax, Capgemini (Engineering Div), Faurecia, Linde etc.

With the growing needs of IT industries, students are also placed in various software industries such as L&T, KPIT, Infosys, ZS Associates, Neilsoft, Cognizant, Accenture, Deloitte etc.

E&TC ENGINEERING

NBA Accredited

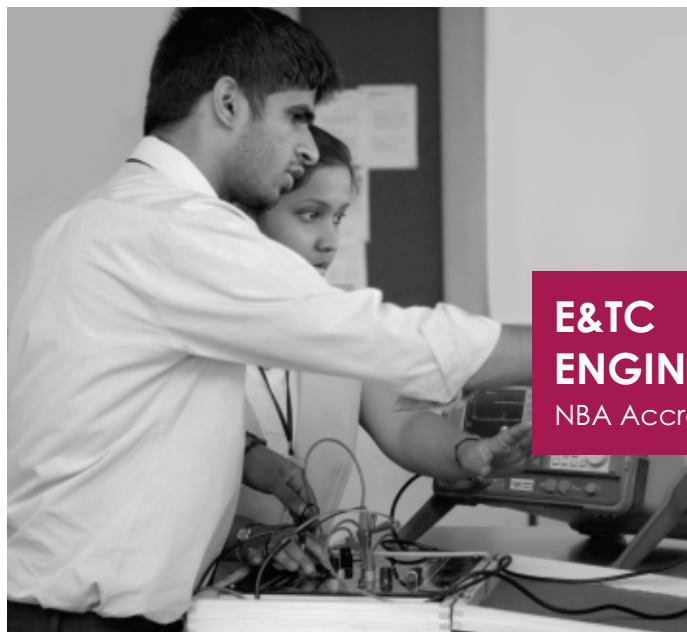
Degree Awarded : B.Tech
Course Duration : 4 years (Full Time)
Annual Intake : 120
Eligibility Criteria : 10+2 & HSE (MHT CET/JEE)

Careers & Placements

Students are placed at leading companies such as Intel, Capgemini, Deloitte, TCS, IBM, Musigma, Wipro, Cognizant Technologies, Inautix and Cybage. Some are pursuing higher studies in prestigious institutions in India and abroad. Students can build a career in mobile/ wireless communications/networks, IT, satellite communications, cable networks, and communication devices development, etc., and those with a flair for higher education can pursue ME/M Tech and Ph.D. More than 80% of E & TC students were placed during the current academic year in reputed IT & Telecom companies through the campus & off-campus recruitment.



The Mechanical Engineering curriculum includes various hands-on skill courses such as Industrial Measurement & Instrumentation Computer-Aided Product Design, Mechanical Simulation, Object-Oriented Programming, etc. It provides opportunities for students to acquire interdisciplinary skills and knowledge through various Choice-Based Curriculum System courses (CBCS). Mechanical students can complete the specialisation in Computer-Aided Engineering, Robotics & Automation, and Automobile Engineering. Many industry experts from various renowned industries deliver the skill courses to give practical flavor to learning. Students actively file the patent, start their ventures, and present technical papers at the international conference during their academics.



Information technology and communication have turned out to be one of the most critical components of the modern-day society's functioning. And MITAOE focuses on strengthening the ability to interact and communicate cross-sector. The realization of the need to impart quality education to students so that they can drive the cornerstone for organizations, governments, communities, and families has allowed MITAOE to be the top institute empowering people to easily connect and share information in today's digital economy.

The Department of Electronics and Telecommunications is one of MITAOE's most important academic drivers, allowing students to concentrate on the subject of telecommunications. The major goal is to impart theoretical and practical techniques in radio and light wave communication, such as satellite, wireless, and optical communication systems, as well as television data transfer.

Basic engineering science(s), electronics and communication theory and practice, communication skills, and engineering management are all covered in this course. It also focuses on communication systems, electronic control systems, and instrumentation systems, as well as their design, development, and management.

ELECTRONICS ENGINEERING

Degree Awarded : B.Tech
Course Duration : 4 years (Full Time)
Annual Intake : 60
Eligibility Criteria : 10+2 & HSE (MHT CET/JEE)



Electrical and electronic engineers passed out from MITAOE work at the forefront of practical technology, enhancing the usability of devices and systems we use every day. The focus is to never cease innovation and keep improvising to match up with society's evolving communication, tech and energy needs. Electronics engineering is one of the most dynamic engineering fields, with constant technology upgrades that power the digital age. As technology has progressed, so have the issues that today's engineers face. A silicon device with over 100 million transistors packed into a space the size of a postage stamp is old news.

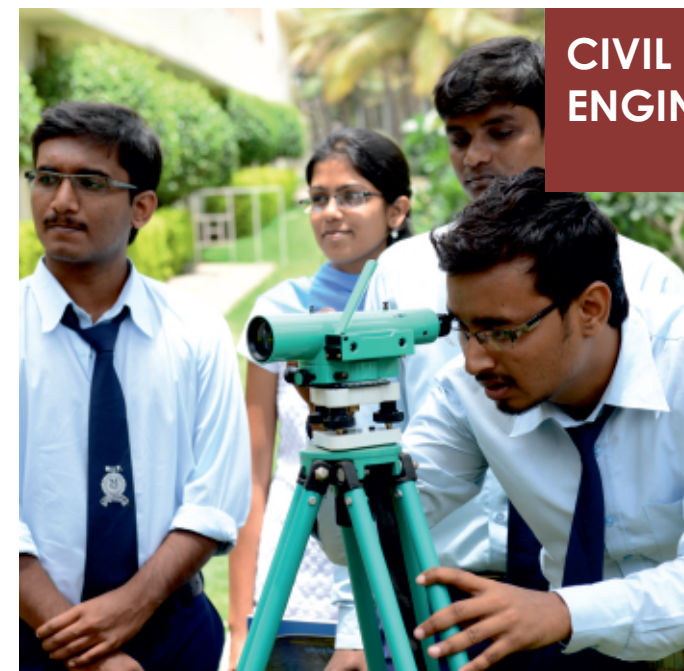
Electronics engineering naturally collaborates with other fields to expand engineering possibilities. Mechatronics and Mechanical Engineering are two examples of such diverse abilities to collaboratively advance capabilities. Biomedical Sciences are associated with medicine, and Avionics is associated with aeronautics.

The Electronics Engineering Department at MITAOE educates students for careers in this industry by utilizing cutting-edge information and computer-intensive technology.

Careers & Placements

When it comes to employability, MITAOE graduates are consistently the first choice of companies. Research and development (R&D), design, systems analysis, installation and commissioning, process engineering, control and maintenance, manufacturing, information technology, programming, consultancy, quality assurance, and testing are all possible opportunities for Electronics Engineering graduates.

They are also applicable for software engineering and management for top tech sharks like Cap Gemini, IBM, Wipro, Diebold, Inautix, L&T InfoTech, and others. Hence, they regularly come to the university for campus placements to choose their perfect match from our vast ocean of knowledge.



CIVIL ENGINEERING

Degree Awarded : B.Tech
Course Duration : 4 years (Full Time)
Annual Intake : 60
Eligibility Criteria : 10+2 & HSE (MHT CET/JEE)

Civil Engineers create construction masterpieces such as Buildings, Roads, Bridges, Canals, and Dams. They also play a key role in the planning, construction, and maintenance of the physical and naturally built environment.

From the design and construction of buildings to protecting people from natural hazards, civil engineering plays a critical role in improving the overall health and quality of life. Civil engineering is one of the most in-demand engineering fields in today's world. As a result, skilled civil engineers are in high demand across industries and Government sectors. The department offers a pool of highly skilled and experienced faculty members that encourage students to think, plan, design, construct, and maintain infrastructure innovatively. Moreover, the students could learn various inter-disciplinary computer skill courses like IoT, AI/ML, Data science, computer security, etc. They are exposed to learning software popular in Civil engineering Industries.

We support students to develop their technical and soft skills to ensure their overall development. Our state-of-the-art classrooms and well-equipped laboratories promote effective teaching and learning. We provide civil engineers who can take the head-on challenge to build a better world.

Careers & Placements

Our students are hired by some of the most renowned industries at handsome packages. The companies like Aker Solutions, DLF, L&T ECC, SPCL, GMR Infrastructure, Punj Lyod etc. regularly come to our campus for placements

INTERNATIONAL ROBOCON CONTEST

Every year, the Asia-Pacific Broadcasting Union (ABU) hosts the prestigious Robocon, an international robotics competition in the Asia-Pacific area. Reputable technical institutes and universities from across Asia compete in the competition, designing and developing robots based on the trending topics and parameters.

These robots compete with one another to prove their superiority by performing tasks on time or ahead of schedule. National-level competitions are held in ABU member countries prior to the international competition, with the national winners representing their country in the international Robocon.

The MIT Academy of Engineering (MITAOE) hosts the national Robocon in India at Alandi Pune in collaboration with India's Doordarshan. This event attracts thousands of eyeballs each year, with over 90 prestigious Indian institutes, including numerous IITs, taking part.

MITAOE has also hosted the International Robocon twice, in 2008 and 2014, respectively. On August 24, 2014, the Shiv Chatrapati Balewadi Stadium in Pune hosted the International Robocon. This prestigious competition drew 17 countries from the Asia-Pacific area. The competition was a big success, and MITAOE received a lot of praise for putting on such a large-scale event.



Innovative Open Elective Specialization Track

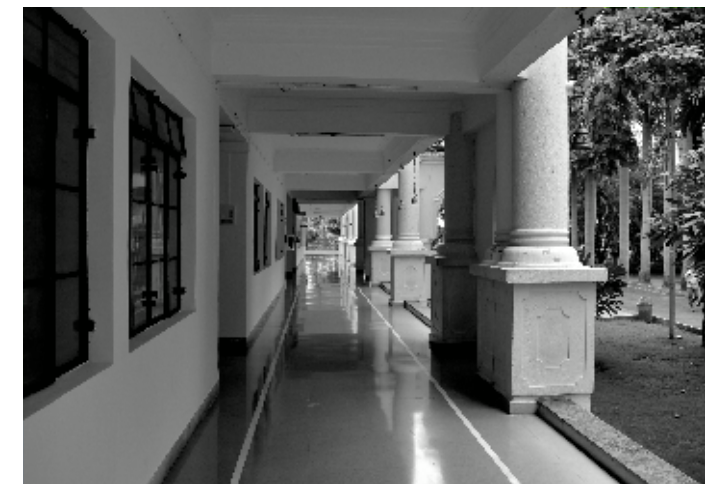
MIT AOE's innovative open elective specialization track focuses on empowering students with the chance to gather practical knowledge by experimenting with real-world use cases and disciplines to spike up their interest and knowledge. This initiative focuses on optimizing the knowledge base of the students with an elaborate understanding of the need for improvisation and innovation to pave the path to tomorrow's tech era. So, let's leverage the discipline of engineering for the greater good of society with the innovative open elective specialization track that includes the below opportunities:

- Data Science
- Artificial Intelligence and Machine Learning
- Cloud Computing
- Computer security
- Embedded system
- Internet of things
- Robotics and Automation
- Automobile Engineering
- Cloud Aided Engineering
- Process Engineering
- Environmental Engineering
- Innovation, Entrepreneurship & Venture Development

Placements at MITAOE

The MITAOE provides a robust infrastructure for creating a never-seen-before experience for learning expeditors, backed by a comprehensive training structure. The placement cell works tirelessly every year to invite top multinationals and corporates. Visit us for Campus Placements.

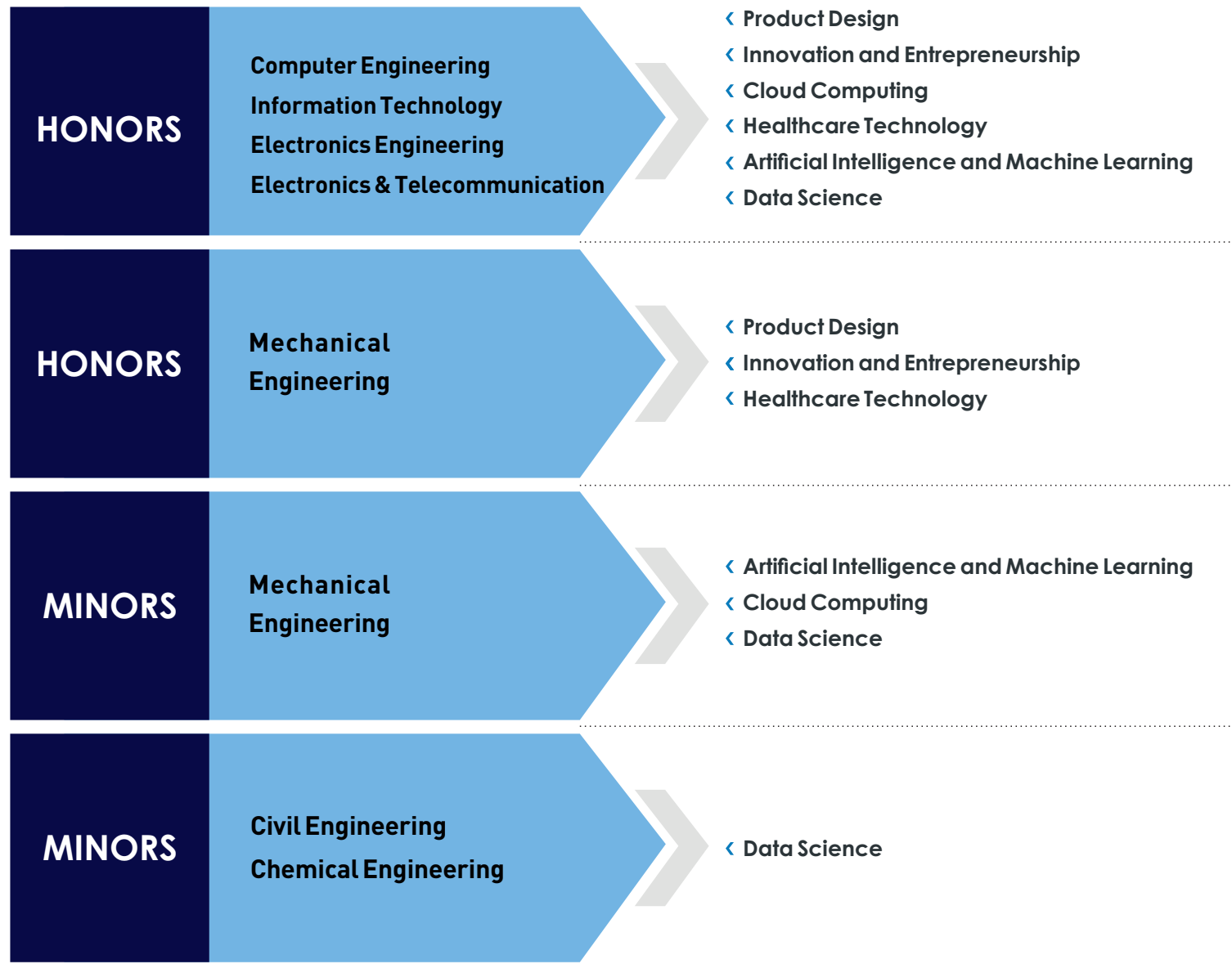
Our students are placed in companies of high repute with excellent packages. Training activities are also organized throughout the year in an effort to prepare the students for Campus Selection Programmes. Following are some of the renowned companies which regularly visit our campus:



Honors and Minors Degree

When investigating advanced study options, MITAOE's honors and minors option can be a great choice. SPPU has approved honors and minors for various curriculums of MITAOE recently. An honors degree is an undergraduate degree that has an additional level of study, which is designed at a higher standard than that of the general bachelor's degree offered by the institute. The Hons. degree demonstrates a higher level of achievement and education at the undergraduate level. MITAOE's minor degree is an undergraduate program for students, which imparts an advanced level of training to them before they enter a university or senior college.

The Honors and Minor course options offered by MITAOE include:



OPEN SPECIALIZATION TRACK

- < Data Science
 - < Artificial Intelligence and Machine Learning
 - < Cloud Computing, Computer Security
 - < Embedded System
 - < IOT
 - < Robotics & Automation
- < Automobile Engineering
 - < Computer Aided Engineering
 - < Process Engineering
 - < Environmental Engineering
 - < Innovation and Entrepreneurship & Venture Development



CLEAN
& GREEN

