



## MITCORER offering Honors Degree in Engineering Areas along with B. Tech Degree

### **Civil Engg.**

(With Honors in)

1. Innovation and Design Engineering
2. Infrastructure Engineering
3. Sustainability Engineering
4. Railway Infrastructure
5. Research

### **Electronics & Telecomm. Engg.**

(With Honors in)

1. Artificial Intelligence and Machine Learning
2. Data Science
3. Internet of Things
4. Railway Engineering
5. Research

### **Computer Science & Engg.**

(With Honors in)

1. Artificial Intelligence and Machine Learning
2. Cyber Security
3. Data Science
4. Research

### **Mechanical & Rail Engg.**

(With Honors in)

1. Robotics Engineering
2. Electric Vehicle Engineering
3. Research

### **Electronics & Computer Engg.**

(With Honors in)

1. AI Technology
2. Internet of Things (IoT) and Smart Systems
3. Artificial Intelligence and Robotics
4. Renewable Energy and Power Electronics
5. Research



**MIT COLLEGE OF RAILWAY ENGINEERING AND RESEARCH, BARSHI**

Industrial Estate No. 3, Barshi, Dist: Solapur, Maharashtra – 413401.

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An MIT Pune Initiative

## **MAEER's MIT COLLEGE OF RAILWAY ENGINEERING AND RESEARCH,**

BARSHI – 413401

Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur; DTE Maharashtra &  
Approved by AICTE, New Delhi

**DTE CODE: 06901**

**Civil Engineering Mechanical & Rail Engineering  
Computer Science & Engineering  
Electronics & Computer Engineering  
Electronics & Telecomm. Engineering**



# MAEER's MIT Group of Institutions, Pune, India.

Maharashtra Academy of Engineering and Educational Research (MAEER) as a Trust was established in 1983 with a Vision to promote Culture of Peace through Value Based Universal Education System and to harness the knowledge of Science & Technology for the welfare of the Society and was set up by the Visionary Educationist Prof. Dr. Vishwanath D. Karad.

The initial venture by MAEER's was "Maharashtra Institute of Technology (MIT)", the first Private Engineering College in the State of Maharashtra. The success of this encouraged the Trustee members to envisage a larger scale, resulting in the formation of MAEER's MIT Group of Institutions offering education of the highest standards in multi-disciplinary streams like Engineering, Medical, Management, Humanities, Social Sciences, Training, Research and Development including School Education.

Since 1983, till date, it has grown up to 5 full-fledged Universities and more than 73+ institutions in the region of Maharashtra and Madhya Pradesh delivering cutting edge education to more than 63,000 students. Government of Andhra Pradesh as well as Government of Meghalaya have invited the MIT Group to set up world class Universities in their capital cities respectively at Amaravati and Shillong

• **73+ Institutions • 5 Universities • 200000+ Alumni**  
• **70000+ Students per year • 40+ Glorious Years**



## Prof. Dr. Vishwanath D. Karad

FOUNDER, EXECUTIVE PRESIDENT & MANAGING TRUSTEE

Prof. Vishwanath Karad, Founder of MAEER, is a visionary leader who transformed from a village-born youngster into an engineering professor and the creator of a world-class educational conglomerate. Guided by Swami Vivekananda's belief in the union of science and spirituality, he established MIT Group to provide value-based, holistic education that nurtures students physically, mentally, intellectually, and spiritually.

Prof. Karad's initiatives include promoting Indian culture, traditions, and values through unique programs like the annual "Sant Dnyaneshwar and Sant Tukaram Smruti Vyakhyanamala" and the daily "World Peace Prayer" across MIT campuses. His leadership led to hosting International Robocons and establishing the World Peace Eco Park, reflecting his commitment to teamwork and holistic growth. Rooted in the spiritual Warkari tradition, he founded the Shree Kshetra Alandi-Dehu Parisar Vikas Samiti to sustainably develop pilgrim centers and conserve the environment. His contributions to education, science, and philosophy have fostered sustainable growth, empowering thousands of students to achieve their aspirations and contributing to the nation's progress.

Best wishes for continued inspiration!



## Prof. Swati Karad Chate

Trustee & Secretary General

Welcome to MITCORER

MIT College of Railway Engineering & Research (MITCORER), part of MAEER's MIT Group, recognizes the pivotal role of transportation infrastructure, especially railways, in national development. With advancements like dedicated freight corridors and bullet trains, the demand for skilled railway engineers is growing.

Railway Engineering is a multidisciplinary field encompassing Civil, Mechanical, Electronics & Telecommunication, Electronics and Computer and Computer engineering, along with management. MITCORER aims to

provide innovative, value-based education, fostering critical thinking, lifelong learning, and holistic development among students.

The diverse student body from across India, combined with a global yet Indian-rooted curriculum, creates an inspiring learning environment. MITCORER emphasizes connecting knowledge across disciplines, producing analytical and creative thinkers ready to meet modern challenges.

As G.C. Lichtenberg said, "Change is essential for progress." MITCORER welcomes students to embark on a transformative journey to enhance their professional and personal growth.

Best wishes for your success!



## Dr. Madhukar J Lengare

Principal

Greetings from MIT College of Railway Engineering and Research (MITCORER), Barshi! MITCORER is India's only institute offering a Bachelor's degree in Railway Engineering, envisioned by Prof. Dr. Vishwanath D. Karad. This innovative program, aligned with advancements like bullet trains and hyperloop transportation, focuses on artificial intelligence and interdisciplinary learning through Civil, Mechanical, Computer Science, Electronics and Computer & Electronics & Telecommunication branches.

As railways remain India's largest employer, and with the advent of futuristic transport systems, a B.E. in Railway Engineering offers unparalleled career opportunities in sectors like infrastructure, IT, satellite technologies, and more. MITCORER is uniquely positioned to provide expertise and consultancy in smart city initiatives and high-speed transportation.

We invite aspiring engineers to join us in shaping a promising future.

Best wishes for your journey at MITCORER!

# ABOUT MITCORER



MIT Group has launched “MIT College of Railway Engineering and Research”(MITCORER) in Barshi, Dist Solapur. MIT Group’s legacy in the field of revolutionary education inspired us to venture into the unique field of Railway Technology. MITCORER aspires to cultivate and train the students who will help / provide solutions to the greatest technological and social challenges of the 21st century. Our Vision is to create future leaders who would manage and lead powerful organisations in the emerging corporate landscape. The curriculum of the programs is railway oriented and is based on the actual railway practices. MITCORER is focused on giving students real world and practical live education that will transform them into successful professionals. Our facilities and amenities are paired with assignments, projects, interactive classes and strong industry-institute rapports, which will help to make MITCORER one of the best educational institutions in the country.

SR. NO.	B. TECH COURSE	INTAKE
1.	Civil Engineering	60
2.	Computer Science & Engineering	90
3.	Electronics & Computer Engineering	60
4.	Electronics & Telecomm. Engineering	60
5.	Mechanical & Rail Engineering	60

**RAILWAY ENGINEERING ONE YEAR DIPLOMA COURSES in collaboration with PAHSU, Solapur**

- Railway Track Technology
- Railway Signaling & Telecommunication
- Software Technology in Railway Sector
- Rolling Stock and Operation

Course Duration: ONE Year      Language of examination: English      Age Limit: 18-50

# ELIGIBILITY CRITERIA

## B. Tech. First Year Eligibility Criteria

**Eligibility Criteria for Maharashtra State Candidates:**  
The candidate should have passed the HSC (12th grade) or an equivalent examination with Physics and Mathematics as mandatory subjects with a minimum of 45% aggregate marks (40% for candidates belonging to Backward Class categories, Economically Weaker Sections, or Persons with Disabilities).  
Entrance Test: MHT-CET or JEE Mains/ Advance with non-zero score.

**Eligibility Criteria for All India Candidature and Jammu & Kashmir Migrant Candidates:**  
The candidate should have passed the HSC (12th grade) or an equivalent examination with Physics and Mathematics as mandatory subjects with a minimum of 45% aggregate marks (40% for candidates belonging to Backward Class categories, Economically Weaker Sections, or Persons with Disabilities).  
Entrance Exam Requirement: Candidates must achieve a non-zero positive score in the JEE (Main) B.E./B.Tech examination.

**Eligibility Criteria for Children of NRI / OCI / PIO, Children of Indian Workers in Gulf Countries, and Foreign Nationals:**  
Candidates must have passed the HSC (12th grade) or an equivalent examination with Physics and Mathematics as mandatory subjects, along with one of the following: Chemistry, Biotechnology, Biology, Technical Vocational subjects, Computer Science, Information Technology, Informatics Practices, Agriculture, Engineering Graphics, or Business Studies.  
They must have achieved at least 45% aggregate marks in the above subjects.

## B. Tech. Direct Second Year Eligibility Criteria

**For Maharashtra State Candidature Candidate and All India Candidature Candidate.-**  
The candidate should have passed a minimum three years or two years (Lateral Entry) Diploma Course in Engineering and Technology with at least 45% marks ( at least 40% marks in case of Candidates of Reserved categories, Economically Weaker Section and Persons with Disability category) in any branch of Engineering and Technology from an AICTE or Central Government or State Government approved Institution or its equivalent;  
**or**  
The candidate should have passed B.Sc. Degree from a University Grants Commission (UGC) or Association of Indian Universities recognized University with at least 45% marks (at least 40% marks in case of candidates of Reserved categories, Economically Weaker Section and Persons with Disability category belonging to Maharashtra State)



## DEPARTMENT OF FIRST YEAR ENGINEERING

- The First Year Engineering Department at MITCORER aspires to impart quality education with individual care to all the students and plays an active role in their overall development.
- There is a particular focus on small group teaching, with the tutorial, guest lectures, seminars, assignments, and biweekly classroom tests with continual assessment being a major part of our delivery methods.
- The department is in the process of extending its expertise and facilities to the local community, industries, and academic Institutions through services like testing and consultancy, training programs, guest lectures, etc.



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

- The programs of the department are designed to create globally competent manpower for the IT Industry.
- The students are trained to understand & implement the importance of Computer Technology in the Railway sector across the globe.
- The department is kept abuzz with co-curricular and extracurricular activities of the various clubs driven by students' active participation. The department has set up 6 Computer Labs with 24x7 Internet facility with highly configured machines.



## DEPARTMENT OF CIVIL ENGINEERING

- Aims at preparing world class Civil Engineers cum Railway Engineers who provide leadership and exemplary services to improve the lives of individuals and lead the nation in ever changing and complex global society.
- Department is always actively busy in imparting good quality and value-based education to the students and committed to the advancement of the healthy academic culture and a symbiosis between the teachers and students.
- Department has well equipped laboratories with modern instruments, smart classrooms, and a separate computing facility with latest licensed soft wares.



## DEPARTMENT OF ELECTRONICS & TELECOM. ENGINEERING

- The primary objective of the department has been to impart quality education.
- The department strives to train and empower the students who will make the world a better place by making use of engineering principles, techniques, and systems.
- The students are provided with greater exposure to the core are of Electronics & Telecommunication Engineering



## DEPARTMENT OF ELECTRONICS AND COMPUTER ENGG.

- The programs of the department are designed to learn both hardware and software programming to open a career in a variety of industries such as robotics, autonomous electric vehicles, electronic product development, the Internet of Things, software development, machine Learning and big data artificial intelligence.
- The primary objective of the department has been to impart quality education.
- The students are trained to understand & implement the importance of Electronics and Computer Engg.
- The department strives to train and empower the students to create innovative and practical solutions.
- Career Paths: Public Sector Companies, Research and Design Engineer, Researcher & Academician, Data Scientist, Administrative Services (IAS, IES), Automation Engineer, Design Engineer, Electronics Engineer, IT Consultant, Network Engineer, System Analyst, Machine learning Engineer, IOT and Electronics Engineer, Computer Programmer, IT Consultant, Software Designer, Scientific Researcher, Database Administrator, Software Testing Engineer, Games Developer, Mobile Application Developer, Web Application Developer, UI/UX Designer, Network Administrator, Business Analyst, System Administrator, Cyber Security Analyst, IT Manager, SEO Expert etc.



## DEPARTMENT OF MECHANICAL ENGINEERING

- The Mechanical Engineering Department is well equipped with laboratories, highly qualified and dedicated staff.
- Railway Engineering sector needs qualified and skilled manpower to deliver expertise and render services in India and abroad.
- To support the curriculum of Railway Engineering, we offer a certificate course in Railway Engineering to serve the railway sector.
- The Mechanical Engineering Department is working on four pillars for the overall development of the students.
- The first pillar is curricular activities. The second pillar is co-curricular excellence which is taken care of through innovation center, product Innovation lab etc.
- The third pillar of professional competence is achieved through various student development activities carried out by training, placement & product development cell. The last pillar of social commitment is imbibed in the student with NSS activities.



## Training and Placement

### ABOUT PLACEMENTS

Training and Placement Cell actively interfaces with the reputed organizations for arranging interviews and campus drives. The cell endeavors to sort out specialized courses, workshops and corporate training sessions. Industry experts are invited intermittently to improve the knowledge of our understudy with the most recent technological developments and industry hones. We foster graduates who are well prepared to deal with the working standards of the industry in public and private sectors and help each understudy to characterize his/her career interest through expert's advice.

- Organize Campus Interviews for pre-final and final year students
- Arrange Industry – Institution interaction to establish a rapport with the industry
- Arrange Seminars, workshops and lectures by experts from the industry
- Cognizant Career guidance for competitive exams and higher studies
- Evidence-based preventive services
- Provide industrial training for the students

## OUR PRIME RECRUITERS



# FACILITIES IN CAMPUS



Hostel



Mess/Canteen Facility



Transportation Facility



Solar Water Heater



Parking Facilities



Guest Houses



Railway Model Room



Security



Computer Labs



Sports



Library



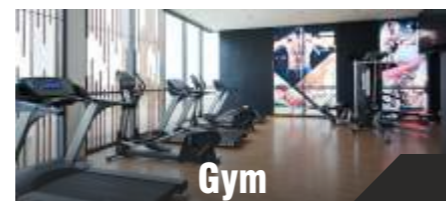
Laboratories



WiFi



RO Water



Gym

# MITCORER HAPPENINGS

