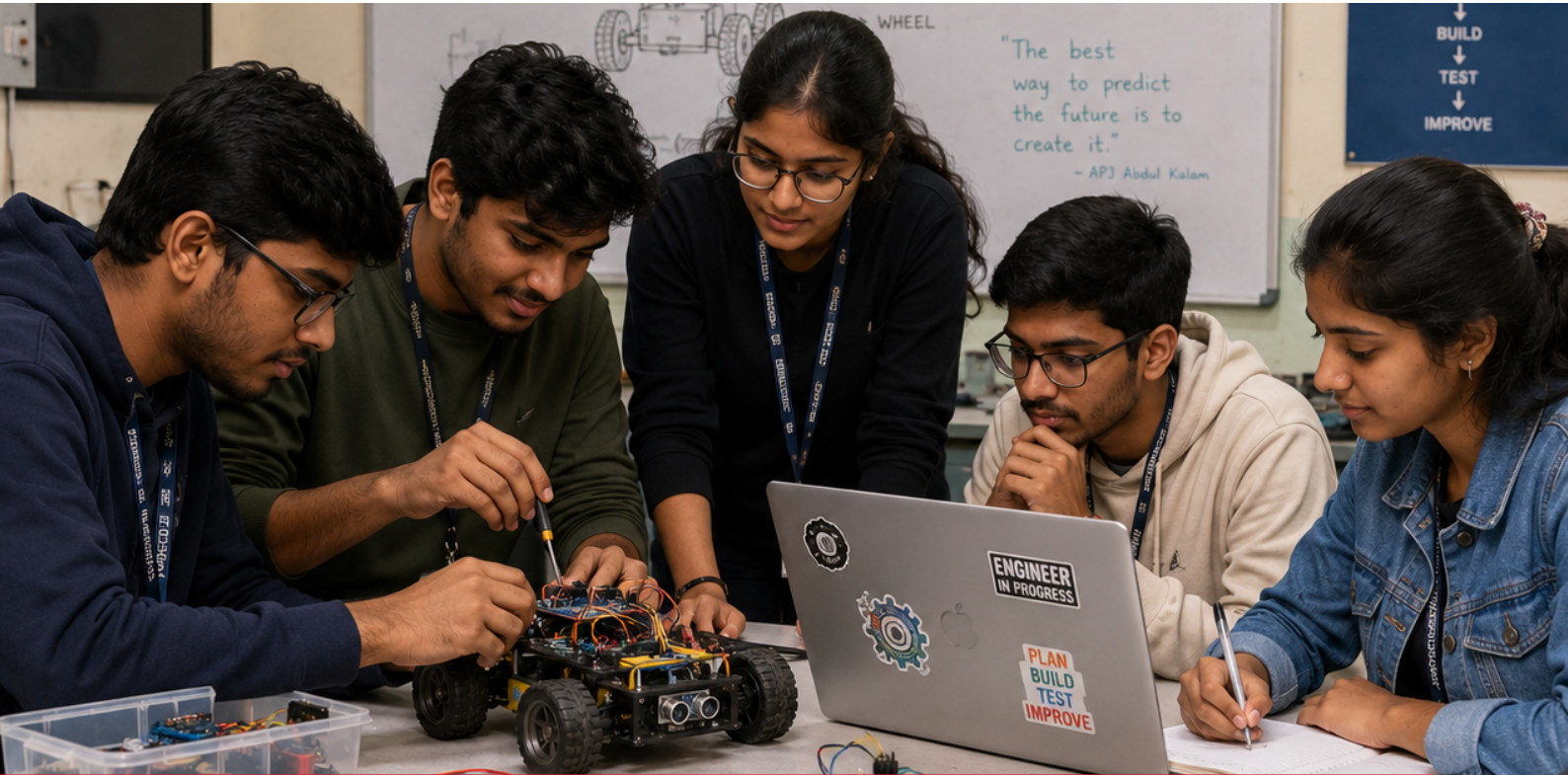




An MIT Pune Initiative

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



B.TECH DEGREE COURSES

- Artificial Intelligence & Data Science • Civil Engineering
- Computer Science & Engineering • Electronics & Computer Engineering
- Electronics & Telecom. Engineering • Mechanical and Rail Engineering

POLYTECHNIC

Affiliated to MSBTE, Mumbai. Recognized by the Govt. of Maharashtra and Approved by AICTE New Delhi.

- Diploma (Polytechnic) Courses • Civil Engineering
- Computer Science & Engineering • Electronics & Telecom. Engineering
- Mechanical Engineering

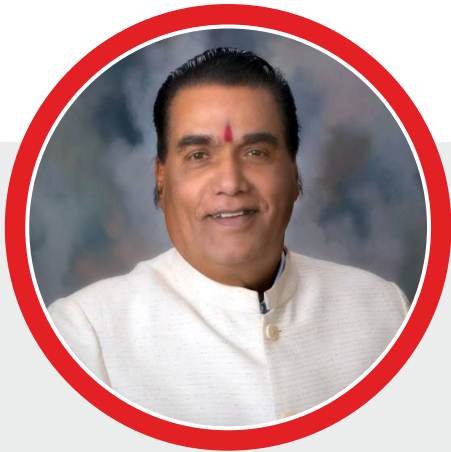
MAEER's MIT Group of Institutions, Pune, India.

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 65,000 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 • 6 Universities • 225000+ Alumni**
- **72000+ Students per year • 46+ Glorious Years**



Prof. Dr. Vishwanath D. Karad

FOUNDER, EXECUTIVE PRESIDENT & MANAGING TRUSTEE

Prof. Dr. 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 the 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 Vyakhyanmala" 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 MAEER's MI, Pune

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 Artificial Intelligence and Data Science Engineering*, Civil Engineering, Computer Science and Engineering, Electronics and Computer, Electronics & Telecommunication Engineering and Mechanical and Rail Engineering. 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.

The Diploma courses will focus on hands-on learning, technical expertise, and skill development, preparing students for immediate employment opportunities as well as higher education pathways. With the same commitment to quality education, modern infrastructure, and experienced faculty, we aim to create a strong platform for diploma students to build successful careers in engineering and technology.

Best wishes for your success!

FROM THE DESK OF PRINCIPAL,



Dr. Madhukar J. Lengare

Principal, MITCORER Barshi

It gives me immense pleasure to welcome you to the MIT college of Railway Engineering and research, (MITCORER), Barshi- India's first -of- its- kinds institution dedicated exclusively to Railway Engineering and regular engineering B-Tech. Programme.

At MITCORER, we pride ourselves on our modern infrastructure, qualified and committed faculty, strong industry-academia collaborations, and a student-centric learning environment. Our curriculum emphasizes experiential learning, practical exposure, and research-driven projects, enabling students to become not only skilled professionals but also responsible and ethical citizens.

To ensure students are industry-ready, we conduct regular placement training programs that include aptitude sessions, group discussion(GD)

practice, interview preparation, technical skill enhancement, and soft initiatives equip students for successful careers in both the public and private sector.

At MITCORER, we believe in nurturing students through a well rounded and supportive academic journey reflected in our strong focus on:

MITCORER nurtures academic excellence, ethical values, personality development, and innovation through modern facilities.

We are also pleased to announce that from A.Y.2026-2027, MITCORER is expanding its academic offerings by introducing Polytechnic (Diploma) courses. These programs are designed to provide strong foundational knowledge, practical skills, and industry-oriented training to students at an early stage of their careers.

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 will manage and lead powerful organisations in the emerging corporate landscape. The curriculum of the programme 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.

DEGREE COURSES OFFERED

B. TECH COURSE	DTE CODE	INTAKE	HONORS COURSE
Artificial Intelligence & Data Science	690199510	60	Artificial Intelligence, Data Analytics, Machine Learning, Deep Learning, Big Data Technologies, Cloud and Edge Computing, Research.
Civil Engineering	690119110	60	Innovation and Design Engineering, Infrastructure Engineering, Sustainability Engineering, Railway Infrastructure, Research.
Computer Science & Engineering	690124210	120	Artificial Intelligence and Machine Learning, Cyber Security, Data Science, Research.
Electronics & Computer Engineering	690184410	60	AI Technology, Internet of Things (IoT) and Smart Systems, Artificial Intelligence and Robotics, Renewable Energy and Power Electronics, Research
Electronics & Telecommunication Engineering	690137210	60	Artificial Intelligence and Machine Learning, Data Science, Internet of Things, Railway Engineering, Research.
Mechanical and Rail Engineering	690161210	60	Robotics Engineering, Electric Vehicle Engineering, Research.

DIPLOMA COURSES OFFERED

SR. NO.	DIPLOMA COURSES	INTAKE
1.	Civil Engineering	60
2.	Computer Science & Engineering	60
3.	Electronics and Telecom. Engineering	60
4.	Mechanical Engineering	60

RAILWAY ENGINEERING, WHAT & WHY?

Railway Engineering, as such, is a multifaceted discipline, dealing with the design, construction, and operation of all types of railway systems. It encompasses a wide range of engineering disciplines, including Civil Engineering, Mechanical Engineering, and Electrical Engineering. Electronics and Telecommunication Engineering, Computer Engineering, Industrial Engineering, and Production Engineering. It covers many other sub-disciplines of engineering and management.

NEED FOR CREATION OF RAILWAY ENGINEERING MANPOWER

There is an urgent need for a specialized group of Railway Engineers capable of dealing with the unique problems associated with Railways. As time passes, the Railway Systems Engineering is going to emerge as a vibrant field of engineering, and there is going to be a great demand for competent, qualified, and specialized Railway Engineering Graduates, Post Graduates, and Researchers.

SPECIAL FEATURES OF RAILWAY ENGINEERING

With the advent of new technologies and the developments that are taking place all over the world, there is a dire necessity of having institutions in India, fully devoted to this discipline of Railway Engineering, so that well qualified, competent manpower is available to take up the challenges including speed, vibration, track renewal, maintenance, signaling, structural analysis and design, coupled with efficient and effective management of the railway system in its totality.

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:

Railway Diploma is for Diploma/First Year Engineering Passed out students
(age limit 18-50years)



Eligibility Criteria for First Year Engineering

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.

Direct Second Year Engineering Admissions

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 40% marks in case of candidates of Reserved categories, Economically Weaker Section, and Persons with Disability category belonging to Maharashtra State)

Eligibility Criteria for Polytechnic First Year

(i) The Candidate should be an Indian National.

(ii) Passed 10th Std./ SSC examination or its equivalent, with at least 35% aggregate marks

Note: Other than Maharashtra State, candidates shall be eligible for the Institute quota only.



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 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 an ever-changing and complex global society.
- The department is always actively busy in imparting good quality and value-based education to the students and is committed to the advancement of a healthy academic culture and a symbiosis between the teachers and students.
- The department has well-equipped laboratories with modern instruments, smart classrooms, and a separate computing facility with the latest licensed softwares.



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 ELECTRONICS & TELECOMMUNICATION 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 area of Electronics & Telecommunication Engineering.



DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING

- The department offers strong knowledge in both hardware and software, preparing students for diverse fields like robotics, IoT, AI, machine learning, and software development.
- The primary objective is to impart quality education and train students to understand and implement concepts in Electronics and Computer Engineering through innovative and practical approaches.
- Graduates can pursue careers in the public sector, research, IT, data science, automation, software development, cyber security, and various engineering and administrative roles.



DEPARTMENT OF MECHANICAL AND RAIL ENGINEERING

- The department is well-equipped with modern laboratories and highly qualified staff, aiming to meet the growing demand for skilled professionals in the railway engineering sector in India and abroad.
- Along with the core curriculum, the department offers a certificate course in Railway Engineering to enhance practical knowledge and industry readiness.
- The department focuses on four pillars—curricular excellence, co-curricular innovation (innovation center, product labs), professional competence (training & placement activities), and social responsibility through NSS.



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

- The Department of Artificial Intelligence & Data Science is designed to create globally competent professionals equipped with advanced skills in AI, Data Analytics, and merging technologies for diverse industries.
- Students are trained to understand and implement AI and Data Science applications, including their growing importance in sectors like Railways, automation, and intelligent systems worldwide.
- The department is equipped with modern labs, high-performance computing systems, and 24×7 internet facility, along with active student participation in technical clubs, projects, and co-curricular activities.



RAILWAY MODEL ROOM

- **Advanced Railway Model Room:** MITCORER has a well-equipped model room showcasing train operations, signaling systems, and replicas of trains along with Pandharpur Railway Station using accurate scale models.
- **Comprehensive Technical Learning:** The models include locomotives, tracks, signals, bridges, crossings, landscapes, and more, helping students understand railway systems, manufacturing processes, mechanisms, and industry standards.
- **Student Involvement & Practical Exposure:** Students actively participate in creating railway models and informative posters, enhancing their practical knowledge and technical skills.



ABOUT PLACEMENTS

The 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 students with the most recent technological developments and industry trends. We foster graduates who are well prepared to deal with the working standards of the industry in public and private sectors, and help each student to characterize his/her career interests through expert 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



OUR PLACEMENTS

THINK PLACEMENT, THINK MIT

Average package is 6.4 LPA and Higher package is 21 LPA



SACHIN KOULAGE | CSE
JUSPAY | 21 LPA



ANKIT KHADE | MECH
BYJUS | 10 LPA



NARHARI SAWASE | MECH
GRSE | 9.11 LPA



POURENDRA G | MECH
INTELLIPAAT | 9 LPA



NIKHIL HASPE | CSE
SHAREKHAN LTD. | 8 LPA



PRATHAMESH JANNU | CIVIL
PIN CLICK PROPERTY | 4.8 LPA



PRATIK SHINDE | E&TC
VODAFONE-IDEA | 4.5 LPA



POOJA DANGAT | E&TC
TEACHNOOK EDUTECH | 4 LPA



KALYANI KULKARNI | CSE
CLOUD4C SERVICES | 5 LPA



SHRUTI DESHPANDE | E&TC
CAP GEMINI | 4 LPA



ADITYA THAKUR | CSE
KARVAAN INDUSTRIES | 6.5 LPA



SAHIL JAMADAR | CSE
WIPRO LTD | 4.5 LPA



SIDDHI KONDHALKAR | CSE
COGNIZANT | 4.5 LPA



OM TAKBHATE | CSE
TCS | 7.08 LPA



MAYURESH KUGAONKAR | MECH
JFE SHOJI STEEL | 2.4 LPA

INFRASTRUCTURE FACILITIES



Cafeteria



Computer Center



Reading Room



Workshop



Gym



Hostel



Transportation



Sports



Fire Safety



Parking



Library



Solar System



RO



Security



Railway Model Room

MIT CORER HAPPENINGS

At the MIT CORER, on a timely basis many events, functions, happenings are done.





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 and 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 and Engg.

(With Honors in)

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

Mechanical and Rail Engg.

(With Honors in)

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

Electronics and Computer Engg.

(With Honors in)

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



MIT COLLEGE OF RAILWAY ENGINEERING AND RESEARCH, BARSHI

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