



Matrusri Engineering College

Sponsored by Matrusri Education Society (Estd. 1980)

Approved by AICTE, New Delhi and Affiliated to Osmania University, Hyderabad.

EAMCET CODE: MECS



TECHNOLOGY TRAVERSES TERRESTRA



16-1-486, Saidabad, Hyderabad, Telangana, India 500059.

www.matrusri.edu.in

B.E. Courses Offered

Discipline	Intake
Civil Engineering (CE)	120
Computer Science and Engineering (CSE)	180
Electrical and Electronics Engineering (EEE)	60
Electronics and Communication Engineering (ECE)	120
Mechanical Engineering (ME)	60
Information Technology (IT)	60

Admission Brochure 2020-2021

Programs accredited by NBA: CE, CSE, EEE, ECE & ME

Vision: To be a premier academic institute striving continuously for excellence in technical education, research and technological service to the nation.

Mission:

To recognize and make quality Engineering education available to the society.

To create a community of learning in which students acquire knowledge and apply them professionally with societal concern.

To prepare for life-long learning to meet intellectual and career challenges.

To promote professional ethics, leadership qualities and social responsibilities.

To maintain research environment with an opportunity to create, apply and disseminate knowledge to the needs of society and the industry

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ABOUT THE COLLEGE

Established by Matrusri Education Society in 2011, Matrusri Engineering College (MEC) started its journey with a vision to become a pioneer in Technical Education in the private sector. Vesting its focus on training technical manpower by practical experience and theoretical learning and making students job-ready, the courses offered by MEC include B.E. programs in Civil Engineering, Computer Science Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering and Information Technology which are producing highly competent technical professionals. Well-equipped with excellent instructional facilities in all branches as well as other amenities, MEC is one of the most sought after institutes when it comes to admissions. The college has been certified as an ISO 9001:2015 institution and has achieved the South Zone Rank of 80 and All India Rank of 180 in a survey conducted by the prestigious magazine “The Week”.

Strengths to accelerate Career Development

Relying on well-qualified and vastly experienced faculty members to make students skilled and knowledgeable, Matrusri Engineering College has been taking further steps to bridge skill gaps. Offering quality learning to students through advanced technologies like OH Projectors, Google Classrooms, E-Classrooms, Smart Classrooms, Digital Library, Wi-Fi Facility and Laboratories are some of the initiatives adapted to enhance learning.

Training students on cutting-edge technology according to the required knowledge and encouraging them to partake in industry internship programs to match the changing industry scenario is common in MEC. Its association with a prestigious organization like IEEE Forum, Hyderabad Section for Skill Connect Program and other establishments provides training to the students on latest technologies. Alongside, the college’s Industry-Institution Partnership Cell (IIPC) is used as a platform to reduce the gap between industry expectations (practice) and academic offerings (theory) by the direct involvement of industry to attain a symbiosis.

Admission Procedure

Matrusri Engineering College is recognized as one of the premier institutes globally because the products of Matrusri Education Society are internationally and nationally employed and acclaimed since 1981. The college has highly qualified and experienced faculty members providing academics in well-furnished classrooms and State - of - the - Art laboratories in all the departments. Admissions under Convener Quota (Category ‘A’) for 70% of total intake in each branch are done through EAMCET Counseling and admissions under Management Quota (Category ‘B’) for 30% of total intake in each branch are done as per the guidelines of the Government. The tuition fee is as fixed by the State Government.

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DEPARTMENTS

CIVIL ENGINEERING: Civil Engineering marks a significant role in this era. There is a high demand for safe and effective construction in all fields of development, urban or rural universally. The department has highly qualified and experienced staff specialized in all fields of Civil Engineering.



Fluid Mechanics Lab



Soil Mechanics Lab



Strength of Materials Lab

COMPUTER SCIENCE AND ENGINEERING: CSE is an academic program, which integrates and emphasizes the basics of computer programming and networking and comprises a plethora of topics. The department has fully equipped labs which are complemented by the latest softwares. Various training programs and certification courses are conducted for the students and faculty members in association with CISCO and ORACLE Academy.



OS & CN Lab



Projects Lab



DBMS & OOSD Lab

ELECTRICAL & ELECTRONICS ENGINEERING: The department strives to achieve academic excellence by imparting quality education, adopting holistic and innovative approach in teaching, to be a part of technological development in the frontier of Electrical and Electronics Engineering.



Electrical Machines I Lab



Electrical Machines II Lab



Circuits and Measurements Lab

ELECTRONICS & COMMUNICATION ENGINEERING: In a span of eight years, the department has grown to a great strength comprising of 21 faculty members with specializations in VLSI, Embedded Systems, RF, Digital Systems, Signal Processing, Communication Engineering and Microprocessor applications. It conceptualizes and oversees the manufacturing of communication and broadcast systems.



Systems & Signal Processing Lab Integrated Circuits Applications Lab Electronic Engg. Lab

MECHANICAL ENGINEERING: Mechanical Engineering is a basis for many of the engineering disciplines which include the automotives, aero, marine, and medical sectors. The department trains students on the cutting-edge technology with the required knowledge and skill set needed by the industry to improve the mechanical operation of equipment and devices.



Hydraulic Machinery & Systems Lab



Thermal Engineering Laboratory



Manufacturing Process Lab

INFORMATION TECHNOLOGY: It is an engineering division, which concentrates on the study of utilizing computers and telecommunications in order to control, gather, store and circulate information. Both software and hardware sectors are a part of IT and it plays a vital role in the modern lifestyle as it has touched each and every aspect of our life.



IT Workshop



C & C++ Lab



PPS Lab

SCIENCES & HUMANITIES: The department imparts education integrating the applications of Basic Sciences and Humanities for engineering courses in the streams of Mathematics, Physics, Chemistry and English. It empowers every student to be creative, innovative and quality conscious in the field of technical education. There are 18 well-experienced faculty members in the department, which include 8 doctorates.



Physics Lab



Chemistry Lab



CALL(English) Lab

ACADEMIC ACHIEVEMENTS OF THE STUDENTS:

Matrusri Educational Charitable Trust (MECT) founded in the year 1992 encourages the students to develop a competitive spirit throughout the four years of study in their course work. The trust motivates the students in their academic performance and awards Gold Medals to the class toppers during the Annual Day Celebrations. The performance of the students has been consistently excellent in the university exams and the following details speak volumes about their achievements:

Branch	University Ranks (2018-19)
CSE	VIII & IX
EEE	I & II
ECE	III & VII
MECHANICAL	III

Branch	University Ranks (2017-18)
CIVIL	III
CSE	X
EEE	I
ECE	II & VII

Branch	University Ranks (2016-17)
EEE	X
ECE	III

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TECHNICAL EVENTS AND TRAINING PROGRAMS

The college in association with several esteemed organizations has set up R&D labs like M/S Texas Instruments (TI) Innovation Lab and BOTLAB (CSE Dept.) that have high-end modern technology. Spoken Tutorial Project-IIT Bombay for IT/Software courses training programs are also conducted in the college on a regular basis. Following the norms of the Innovation Cell, Ministry of HRD, Govt. India, MEC has launched Institution's Innovation Council (IIC) to encourage and motivate students for internship programs.

The institution also trains students on the cutting-edge technology with the required knowledge and skill set needed by the industry. It also encourages students to participate in industry internship programs to match the changing industry scenario. Departments of the college have signed MOUs with esteemed and registered organizations like:

- Dept. of Civil Engineering signed an MoU with MSIT Solutions, in the month of January, 2020.
- Dept. of EEE has signed an MOU with MEPAC³ Engineering Solutions Pvt. Ltd. Hyderabad in 2018 to conduct various technical trainings, seminars and workshops for students in Industrial Automation through PLC and SCADA.
- The departments of Electrical and Electronics Engineering, Mechanical Engineering & Electronics and Communication Engineering of MEC have signed MoU with SkillSharkEdutech on 24.08.2020 for technology-based skill development education and establishing Center of Excellence for Electric Vehicles.
- Dept. of CSE has signed MoUs with the following organizations for IT & Software courses:
 - E&ICT Academy, NIT Warangal
 - IDEALABS FutureTech Ventures Pvt. Ltd., Hyderabad
 - Eleven01 Technologies
 - Code Tantra Tech Solutions Pvt. Ltd.
 - EduGard Systems India Pvt. Ltd.
 - BOT Lab
- Dept. of ECE has signed MoUs with the following organizations:
 - Virtual Labs
 - Electronics & ICT Academy at NIT, Warangal
 - M/s Elegant Embedded systems

The college is also partnering with the following organizations and has taken initiative to improve the employability of the students.

- a. *IEEE-Forum, Hyderabad Section-Skill Connect Program*
- b. *Telangana Academy for Skill and Knowledge (TASK)* for training including certification courses like CISCO Networking, IT Essentials and Oracle Database design

c. *Spoken Tutorial Project-IIT Bombay* for IT/Software Courses Tutoring/Training program

d. *M/s.Career Path Solutions Pvt.Ltd.*, for personality development and soft skills

Some of the outstanding events, technical fests, workshops, seminars, and conferences are:

1.Department of CSE organized a three-day hands-on workshop on **“Cutting Edge Technologies for Computer Science – IOT & Machine Learning”** in association with CSI Hyderabad Chapter from 07-08-2019 to 09-08-2019.



Mr.K.Seetha Ram Babu, Chairman, CSI Hyderabad, delivering his speech, with other dignitaries on dais

2. Department of EEE organized a Certification Course on “Introduction to RPA & Break the ICE” to III and IV year students in association with FACE from 17.09.2018 to 20.09.2018.



“Introduction to RPA & Break the ICE” Certification Course

3.Department of EEE organized Student Solar Ambassador Workshop under Gandhian Global Solar Yatra by Ministry of New and Renewable Energy in collaboration with IIT, Bombay as part of the 150th Birth Anniversary of Mahatma Gandhi on 02.10.2019.



Student Solar Ambassador Workshop under Gandhian Global Solar Yatra by Ministry of New and Renewable Energy

“To think outside the box; we are taught first how to open the box”

4.Two Day Training Session on e-Yantra- Embedded Systems & Robotics was conducted by e-Yantra Lab team members on 4th Feb 2020 and 5th Feb 2020 for the students – A project in the Department of Computer Science and Engineering, Indian Institute of Technology Bombay, which is a flagship project of MHRD through the National Mission on Education through ICT (NMEICT).



Training Session on E-Yantra-Embedded Systems and Robotics

5.The college organized “Internal Hackathon for Smart India Hackathon 2020” on 27th January, 2020 at Dr M V Sridhar Conference Hall, in the premises of MECS. The Chief Guest, Prof. Ravi Kumar Puli, Member Secretary, TSCOST, Govt. of Telangana, and the Guest of Honour, Sri Shrikant Sinha, CEO, Telangana Academy for Skill and Knowledge (TASK), Hyderabad graced the program.



Internal Hackathon for Smart India Hackathon (SIH) -2020

“Push your dream towards reality with vision and innovation”

6.Department of Mechanical Engineering in association with LPU SAEINDIA successfully conducted a workshop on INTERNATIONAL GO-KART CHAMPIONSHIP 2020 on 18th and 19th of January, 2020.



With the resource person, Mr. Mr.Pratyush Chauhan from (ARAI) Automotive Research Association of India.

7.A One Day guest lecture was conducted on the topic ‘Magnetic materials and their applications in defence’ on 9th November, 2019 organized by the Department of Sciences and Humanities(Physics)..



The speaker for the session was **Dr.Arout Chelvane**, Scientist-E, from DMRL-DRDO, Kanchanbagh, Hyderabad.

8.A National Level Technical Fest “Sadhya 2020” was organized on March 13, 2020 in its premises.



“Turning ideas into action”

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AWARDS AND ACHIEVEMENTS OF THE STUDENTS

Smart India Hackathon – 2020: Team “**THE HACKSTERS**” from ECE Dept. reached the grand finale of the Smart India Hackathon 2020-Software Edition. Ms.R.Amrita got an opportunity to have a virtual interaction with our honourable PM Shri Narendra Modi on 01-08-2020 in which she explained about the problem statement given by Bureau of Police Research and Development.

Project Title: Real Time Based Facial Recognition System

SAEISS Electric Two Wheeler Design Competition, National Level – 2019, Second Prize



A team of ten students from the Mechanical Dept. participated in the final event of Electric Two Wheeler Design Competition 2019, a National Level Competition, conducted by SAE (Society of Automotive Engineers) Southern Section at BANIT College, Erode, Tamil Nadu. The team stood 11th in the overall rankings out of 54 National teams and won the Second Prize in BEST PRESENTATION and was awarded a cash prize of Rs. 7,500.

Surya Datta Sudhakar, Sai Phani Kumar Reddy and Shiva Prasad from BE 4/4 were awarded First Prize in Material Identification and Second Prize in M-CAD in SAE Tier II National Technical event held at MEC on 13.02.2020.

Zaheeruddin Kamran and M Kaja Rafay from BE 4/4 were awarded Third Prize in Reverse Engineering SAE Tier II National Technical event held at MEC on 13.02.2020.

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TRAINING AND PLACEMENT CELL

The Training & Placement Cell of the college aims to provide continuous career guidance, internship and placement opportunities to its students. It conducts Campus Recruitment Training (CRT), soft skills program, and technical training sessions to enhance the employability skills of the students. The Cell also provides online/offline assessment platforms for the students to practice aptitude, programming and coding skills. Technical certification programs like IT Essentials, CCNA, and Oracle Certification are also conducted. More than 70% of the students get quality placement opportunities every year.

The following are some of the top companies in which our students secured placements:



Highest Salary Package details:

Academic Year	Highest Salary Package
2019 - 20 (Till Date)	Rs. 7.0 LPA
2018 - 19	Rs. 8.0 LPA

Alumni Meet



MES Chairman, Dr K P Srinivas Rao, addressing the gathering during the meet

MECS Alumni Association of the college invites and welcomes the alumni every year to share their experiences in the campus and brings students, alumni and faculty on a single platform, to signify that there is always a new idea, a new way of thinking to bring change in the transformation for the best.

PAGE: 8 **CAMPUS FACILITIES**

Auditorium: The college is equipped with Dr.M.V.Sridhar Conference Hall, spacious and air-conditioned with all the modern amenities like LCD projector, audio system, etc. Besides this, two seminar halls are also present in the campus with all the facilities.



Dr. M.V. Sridhar Conference Hall in M-Block



Audio-Visual Room in Old Block

Cafeteria: The college canteen has a neat and clean ambience, where quality hygienic food is served which caters to the taste of all students and staff.



Cafeteria in M-Block

Students in cafeteria

Library: The digital library provides a comprehensive bar code, computerized and has a spacious fully equipped reading hall with a reference section, magazine section and text book section with volumes well stacked for the benefit of staff and students.

MEC Central Library



Students reading books in Library



Students in the digital library for online resources

Transportation: A fully fledged transportation facility is provided to students and staff connecting all parts of the city to ensure a convenient and safe commute to the college.



MEC fleet of college buses

Sports: In order to ensure an overall development of the students, the sports club offers all the facilities for sports and games, including a gymnasium. It offers the community an opportunity to participate in a variety of sports and recreational activities including indoor and outdoor games.



Students playing a Basketball game



Students playing indoor games

"The more difficult the victory, The greater the happiness in winning"

Achievements of the students in sports:

Md. Saad Mohiuddin in Judo, A. Chaitanya Hari in Weight Lifting and Tanishq Jaiswal in Badminton have been performing consistently well at the university level competitions, bringing laurels to the college.

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LIFE AT MEC

MEC believes that true education can be accomplished not through imposition but through aspiration. The college has various clubs which organize various activities like debate, elocution, essay writing, dramatics, music, painting, and dance competitions on special occasions like Annual Day, Engineer's Day, Cultural Fest, Tech Fest, national festivals, etc. which are celebrated regularly. These clubs provide a forum for students to showcase their talent and creativity.



Dance Club organizing competitions



MECS Music Club members

"Great artistes on board"



Staff and students celebrating Yoga Day

"A step towards a healthy lifestyle"



Classical dance performance during Fresher's Day celebrations, Urvi 2020

"A fest worth watching"



Students celebrating Women's Day – *“We realize the importance of our voice when we are silenced”*



During Annual Day celebrations 2020, one of the class toppers is being given the Gold Medal by the Chief Guest Sri K. Bikshapathi, Director General, National Academy of Construction, in the presence of MES Chairman, Dr.K.P. Srinivas Rao and other MES members. MEC Principal, Dr.D. Hanumantha Rao is also present.

“A unique experience of all time”

MEC Graduation Day



Dr. Ch . Gopal Reddy, Registrar, Osmania University gracing MEC's first Graduation Day organized on September 21, 2019.

“Life is not a race, don't just gaze, Dream it, Believe it, Achieve it”



Members of Matrusri Campus Connect (MCC), a college level students forum, with Principal, Dr.D. Hanumantha Rao

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The institute emphasizes on social activities like NSS and NCC involving students as well as faculty members. Students are encouraged to participate in a Society Outreach Program like Unnat Bharat Abhiyan, a flagship program of Ministry of Human Resource Development (MHRD), Govt. of India. Some of the special programs conducted by NSS and Unnat Bharat Abhiyan (UBA) are:



*Hon'ble Members of MES, Principal, HODs and students of MEC participating in Harithaharam program – **"Save nature.It is our world"***



*Staff and students of MEC creating awareness among villagers through Plastic-Free Village Campaign at Mondigourelly Village, R.R.District. **"Taking a step towards social responsibility"***