



**CMR COLLEGE OF ENGINEERING & TECHNOLOGY  
(UGC Autonomous)**

**Kandlakoya, Medchal Road, Hyderabad-501401**

---

**Annual Report for the A.Y.2021-22**

CMR College of Engineering & Technology (CMRCET for short) is sponsored by the MGR Educational Society, which was established in 2002. The College is situated 20 Km away from Secunderabad Railway Station on the Hyderabad – Nagpur National Highway (Medchal Road), Telangana, India. It is located in 10 acres of serene, lush green and pollution free environment.

The management is committed in assuring quality service to all its stake holders viz parents, students, alumni, employees, employers and the community. Commitment and dedication are merged into our policy of continual quality improvement by establishing and implementing mechanisms and modalities, ensuring accountability at all levels, transparency in procedures and access to information and services.

**Vision**

Our Vision is to remain a premier academic institution striving continuously for excellence in technical education, research and render technological services to the nation.

**Mission**

Our Mission is to create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with a concern for the society.

- Pursue and Disseminate Research Findings and Offer Knowledge-Based Technological Services to Satisfy the Needs of Society and the Industry.
- Promote Professional Ethics, Leadership Qualities and Social Responsibilities.

### **About College and Programs**

- CIV - CIVIL ENGINEERING
- EEE - ELECTRICAL AND ELECTRONICS ENGINEERING
- MEC - MECHANICAL ENGINEERING
- ECE - ELECTRONICS AND COMMUNICATION ENGINEERING
- CSE - COMPUTER SCIENCE AND ENGINEERING (CS)
- IT - INFORMATION TECHNOLOGY
- CC - COMPUTER SCIENCE AND ENGINEERING
- CM - COMPUTER SCIENCE AND ENGINEERING (AIML)
- CD - COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)
- AID - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
- AIM - ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
- MBA – Master of Business Administration
- M.Tech- CSE, Embedded systems, Power electronics, Structural Engineering

### **Faculty and Staff**

Our Institute has 254 teaching faculty and 133 non-teaching staff. In addition to these staff required for Security, transport, maintenance, gardening and similar centralised facilities are also provided.

## **Institutional Awards**

- Received UGC AUTONOMOUS status in 2014-15 for a period of SIX years and renewed autonomous status in 2021 for a period of 5 years.
- In 2014, Five UG programmes (Civil, EEE, Mechanical, ECE and CSE) have been accredited by NBA up-to 2021. These Five UG programmes once again accredited by NBA under TIER-1 in 2021 for a period of three years up to 2023.
- Accredited by NAAC with “A” grade in the year 2014 and re accredited with “A+” in the year 2021.
- CMR College Of Engineering & Technology Has Ranked In The Band Of 251-300 In NIRF Rankings 2020 & 2021.
- CMR College Of Engineering & Technology Is Ranked Top 5<sup>th</sup> In Atal Raking Of Institutions On Innovation Achievements
- CMR College Of Engineering & Technology Is Rated With 5 Stars By Institution’s Innovation Council (Ministry Of HRD Initiative)
- Ranked AAA+ By Career 360 Magazine
- Ranked 82<sup>nd</sup> All India’s Level By Outlook Magazine As India’s Best Professional Colleges
- Rated Top 23rd At National Level By CSR-GHRDC Survey Under Outstanding College Of Excellence Category By Competition Success Review

- Rated Top 06th At State Level By CSR-GHRDC Survey Under Outstanding College Of Excellence Category By Competition Success Review
- Ranked 72nd Rank In All Over India And 46th In South India By The Week Magazine
- Ranked 41<sup>st</sup> By Dataquest Magazine All Over India.
- Ranked Top 8<sup>th</sup> Position Out Of Top 10 Emerging Engineering Colleges In India

Owing to the Pandemic and the consequent Lockdown in the past two years, many Faculty Development programs and conferences were organized, conducted and attended by the departments and faculty online.

### **Faculty Development Programs**

- Our faculty attended around 98 FDPs and workshops at various reputed institutes like IITs and NITs

### **Books Published**

- Books and many papers were published by our faculty during these past two years.

### **Research & Development**

Technical education paves the way for innovation and creativity. A strong base for research and development is important to achieve this. Realizing the importance of Research & Development (R&D), a Research & Development

Centre was established in the year 2014 to provide the facilities for research and development to all the students and faculty members. R&D Centre welcomes new ideas and encourages interdisciplinary research work among the students and faculty.

### **Research Grants Approved**

- During the last 3 years, a total of Rs. 5.32 crores were received as grants

**Completed R&D Projects are 11.**

**Ongoing R&D Projects are 12**

**Completed consultancy works are 65**

**Ongoing consultancy works are 5**

**Total number of papers published are 958**

**The number of faculty pursuing PhD is 45**

**The number of books published by the faculty are 17**

**The total number of Start-ups are 8**

**Total number of patents filed and published are 78**

### **Centre for Innovation and Entrepreneurship**

CMR College of Engineering & Technology (CMRCET) has established dedicated “Centre for Innovation and Entrepreneurship (CIE)” towards

developing entrepreneurship and innovation mind-set within College Premises. This will involve range of activities around building start-up ecosystem such as identifying areas of focus and market relevance, building investor relations and business partnerships, leveraging government programs and acceleration initiatives.

A total of 44 events were organized by CIE and R&D during 2021-2022

## **Extracurricular Activities**

### **National Service Scheme**

CMR College of Engineering & Technology (Autonomous) has got two NSS Units and approved by JNTUH Hyderabad. The National Service Scheme was started to establish a meaningful linkage between the campus and the community. The main motto of NSS is to create social responsibilities. NSS volunteers are dedicated to this work to ensure that every one in or society who is needy gets every possible help from them so that they can also enhance their standards and lead a life of dignity in the society with all of us.

- NSS –Regular Blood Donation camps, Health camps and Community visits

## **National Cadet Corp**

The 'Aim' of the NCC laid out in 1988 have stood the test of time and continue to meet the requirements expected of it in the current socio-economic scenario of the country. In our Institution **NCC** was initiated and started NCC in the year 2018 which aims at developing character, comradeship, discipline, a secular outlook, the spirit of adventure and ideals of selfless service amongst young citizens. Further, it aims at creating a pool of organized, trained and motivated youth with leadership qualities in all walks of life, who will serve the Nation regardless of which career they choose.

## **Sports**

### **Sports Facilities Out Door**

400 m Standard Track, Football Grounds, Cricket Grounds, Hand Ball Basketball court, Volleyball courts, Throw Ball, Kho Kho Fields and Kabbadi Court.

### **Sports Facilities In-Door**

Carroms, Chess, Table Tennis

Our students have participated in all sorts of sports in the Inter-college level, state, National and International level.

## **Students Clubs**

For an all-round development of the students, besides studies and sports our Institute believes that creativity, hobbies and entertainment also go hand in hand with studies. Thus, were born the Students Clubs, which are totally run by the students.

We also have an **SAE Collegiate Club**. It is India's leading resource for mobility technology. As an individual member-driven society of mobility practitioners, the ownership of SAEINDIA rests with its members who are engineers from mobility community, which includes engineers executives from Industry, Government Officials, Academicians and students.

The **SAE COLLEGIATE CLUB** of CMRCET was started in the year 2015 with an initial member count of 50 members. Now the club runs efficiently with a total of 206 active members.

Our students participated in related competitions like EBAJA every year and have won prizes.

## **Training and Placements**

Today's corporate wants dynamic thinking, flexibility in working and proactive learning for upgrading the individual's skills. They need creative problem solvers, smart individuals who are skilled enough to cope up with new technologies and with the ever-changing competitive environment.



CMRCET is committed to meet the said expectations, as we understand the needs well. The process in which we indulge our students for training activities and the way we prepare them for the placements are changing drastically both in software and core verticals according to the industry standard, as we want to keep the pace with the fast developing world and offer the best of the human resources to the corporate and industry, and in-turn make a better institution.

Our Training & Placement office periodically plans several programs which are aimed at placing the graduating students in various MNCs . The Training & Placements Team consists of Training and Placement officers, Training & Placement heads from the student council, faculty and coordinators from various departments who work as a team to prepare the students for their dreams to come true by securing placements in various MNCs through on-campus and off-campus hiring.

The college collaboration with industry as COE, Centre of Excellence synergies the efforts of the college in industry ready skills where corporates are investing in students at CMR for upskilling. This enables the industry to get talent from CMR,

which is only possible through an ecosystem that involves a holistic approach in training and placement.

## **Centre of Engineering Education Research**

CEER was established in the year 2018 with a goal of training the students to meet the dynamic needs of the society. CEER provides a platform for students through experiential learning, project based learning and service based learning through EPICS. CEER has extended its wings to engineering educators through certification programs and teaching and learning pedagogies. Under the umbrella of CEER, two freshmen engineering courses are introduced i.e. Engineering Exploration & Practice, Introduction to Social Innovation for the first year students. Faculty from various disciplines of engineering are deputed to handle the freshmen engineering courses.

Our mission and vision are strengthened by global collaborations such as Indo Universal Collaboration for Engineering Education -IUCEE

Centre for Engineering Education Research organized ATAL Labs training for ZPHS schools. On this view CEER faculty visited different villages on 27<sup>th</sup> August 2021 and faculty interacted with head masters and teachers. This programme scheduled for 9 weeks according to syllabus.

Centre for Engineering Education Research(CEER) organized “**ATAL TINKERING LABS**” training for students in primary schools in Community

partner Villages from 23<sup>rd</sup> OCT 2021 to 18<sup>th</sup>DEC 2021 (Duration of nine weeks).

Centre for Engineering Education Research (CEER) faculty coordinated students to participate in National Entrepreneurship Competition held by Sri Padmavati Mahila Visvavidyalayam, Tirupati. On occasion of Bharat ka Amrit Mahotsav. During this event 8 faculties participated along with 8 teams of 31 students in this project expo.

Project details:

- Immersive Automatic Water Heater
- Video controlling hand gestured system
- Automatic side stand retrieval system
- Sewage Cleaning machine
- Fruit Plucker
- Distraction and drowsiness detection device for driver's
- College bus tracking
- Smart ceiling fan
- The event titled- “ **Can Do Workshop and Personality Development Program for 12 ZPHS Schools Students**” was jointly organized by Centre for Engineering Education Research(CEER), CMRCET in association with Ullas Trust on 4<sup>th</sup> March 2022 under NSS.

## **Student Council**

A one of its kind Students' governing body was formed last year.

All registered students of the CMR College of Engineering & Technology will be members of the Student Council.

The establishment of student council plays an integral and important role in the student community. Student council provides a representative structure through which students can debate issues of concern and undertake initiatives of benefit to the college and the community. It is important that they be given the opportunity to express their views on issues of concern to them in the college. It is equally important that they are listened to and encouraged to take an active part in promoting the aims and objectives of the college.

A Student Council is a representative structure through which students in the college can become involved in the affairs of the college, working in partnership with the management, staff and students for the benefit of the college and its students.

The Student Council includes

1. Core Committee which comprises of a President, Vice-President and Secretary
2. Board, Innovation & Entrepreneurship
3. Board, Science & Technology
4. Board, Information Technology

5. Board, Arts & Cultural Affairs
6. Board, Sport Affairs
7. Board, Public Relations
8. Board, Training & Placement
9. Board, Social Welfare

### **Industrial Visits**

As part of our academics, our students are taken to different industries to have

*\*\*\*Thank you\*\*\**