



EAMCET/ICET/
PGECET CODE

CMRG

CMRTC



COMMITTED FOR
PROFESSIONAL
EXCELLENCE



GROUP OF INSTITUTIONS
EXPLORE TO INVENT

CMR TECHNICAL CAMPUS
UGC AUTONOMOUS

ACCREDITED BY NBA & NAAC with A-GRADE

www.cmrtc.ac.in

Vision:

- To impart quality education in serene atmosphere thus strive for excellence in Technology and Research.

Mission:

- To create state of art facilities for effective Teaching - Learning Process.
- Pursue and Disseminate Knowledge based research to meet the needs of Industry & Society.
- Infuse Professional, Ethical and Societal values among Learning Community.

Core Values:

The CMR Technical Campus is guided by the following core values in delivering its mission and pursuing its vision.

- **Accountability:** Demonstrate responsibility for our actions; establish and communicate clearly defined and articulated goals and objectives.
- **Benchmark:** To develop and pursue high standards by encouraging skill development and entrepreneurship to meet industry and society needs.
- **Commitment:** Focus on students and stakeholders needs; continuously evaluate and improve academics, research and infrastructure.
- **Dignity:** Recognize the expertise of all members of the institute and encourage individual contribution and also include stakeholders in the decisions that affect them.

“CMRTC Welcomes all the aspiring Engineers to its vibrant Campus to experience the Innovative Learning Process”

About the Institution

CMR Technical Campus, established in the year 2009, under aegis of CMR Technical Education Society is an UGC Autonomous institute with NBA and NAAC accreditation with 'A' grade. The institute received All India Rank of 51-75 band in Atal Ranking of Institutions on Innovation Achievements (ARIIA 2020). The lush green Campus, situated in Kandlakoya, Medchal Road has been first choice option to both Urban and Rural students of Telangana. With well-established Teaching & Learning processes, the students are imparted the best of the technological knowledge.

Research and Innovation has been integral part of the institute, which is evident from the Research Grants received, Collaborations, MoUs and Research Centres, the institute possess. Existence of NSS Unit, NCC Unit, Sahaya Club verily demonstrate the fulfilment of social responsibilities by the institute and induction of social values among its students and faculty. The state of art facilities and training with respect to Sports has fetched many awards and laurels to the institute. The various Clubs present in the institute has ensured that all the components which are required for a student to spend a quality time in the institute are being served. As the Tagline of the institute goes, "Think Placements, Think CMR", CMRTC has been the pioneer in training and placing the students in many reputed companies with good packages. CMRTC is a place, where quality is never compromised, working locally to serve globally.

Courses Offered

EAMCET/ICET/
PGECET CODE

CMRG

UG Courses

Intake

B.Tech

- Computer Science and Engineering [CSE] 240
- Computer Science and Engineering
 - Artificial Intelligence & Machine Learning [CSE-AI&ML] 180
 - Data Science [CSE - DS] 180
- Information Technology [IT] 120
- Electronics & Communications Engineering [ECE] 180
- Mechanical Engineering [ME] 60
- Civil Engineering [CE] 60

PG Courses

Intake

- MBA 180
- M. Tech (Structural Engineering) 24
- M. Tech (Thermal Engineering) 18
- M. Tech (Embedded System) 18
- M. Tech (CSE) 18



Chairman's Message

It is rightly said by our Bharat Ratna, Dr. APJ Abdul Kalam **"Dream is not that which you see while sleeping, it is something that does not let you sleep."** Yes!!! It is my dream, my goal and ambition, to establish a Knowledge Centre, a Temple of learning, i.e., **"CMR Group of Institutions"**, which can be witnessed today on sprawling area of 70 acres on Medchal Road, Hyderabad. Currently under **"CMR Group of Institutions"**, we have 04 Engineering colleges and 01 Pharmacy College with over 15000 students studying in various streams of Engineering, Management and Pharmacy. As it is said, Rome is not built in a day; CMR is also not built in a day. 20 years of dedication, commitment and hard work has resulted in CMR Group of Institutions. The thirst for excellence never ends, as CMR is in its way of establishing **"CMR Global University"** which will be seeing the light of day soon. One among our group of institutions is CMR Technical Campus, established in the year 2009 and has not only produced over 4500 Engineers and 1500 Managers till date, but were successful in placing them in right career path.

C. Gopal Reddy, B.E



Secretary's Message

As narrated by Swami Vivekananda, *"We want the education by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one's own feet"*, we at CMR Technical Campus, believe quality education has the power to transform not only individuals, but societies and the nation in large. Our endeavour at CMRTC is to provide right blend of education and all such necessary components which make student's stay in the campus fruitful. Being in the field of Education for more than a decade, I strongly feel, Education is the key for women to achieve economic independence. CMRTC strongly supports women education and all such measures for their safety are taken care by the well functional Women Empowerment cell of the institute.

C. Vasantha Latha

We extend a warm welcome to Engineering and Management aspirants to join CMR Technical Campus, a gateway to a new generation of future ready and enlightened Leaders, Innovators & Professionals. Get future ready now!



Dr. A. Raji Reddy

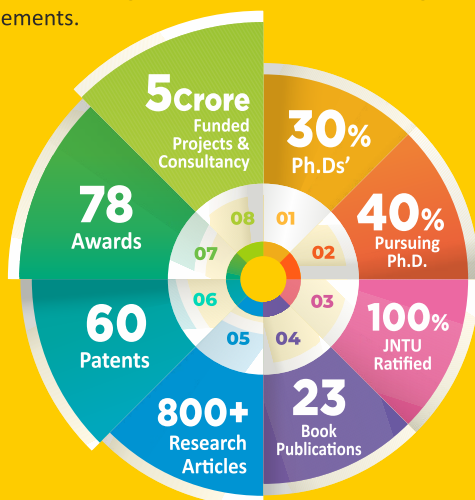
B.E., M.Tech. (NITW), Ph.D. (O.U.)

Director

Our Strength

I strongly believe **human resource** is as important as infrastructure. Our strength is our faculty and team of administration. The average faculty experience in the institute is above 10 years. We have a good faculty student ratio of 1:15, which enables us to take up mentoring process effectively. Today, we boast mentoring as one of the biggest strength of our institute, wherein every student is well connected to faculty, right from the day of inception to the day of graduation.

About 30 % of our faculty are Ph.D. holders and 40 % are pursuing their Ph.D. Degree at various prominent universities. Majority of the faculty are involved in research activities to the tune of 5 Crores funded Projects and Consultancy. More than 800 research articles published and 60 Patents are filed by the faculty. Many of our faculty are certified by MNCs like Wipro, Virtusa, Gensar, TCSiON, Genpact, AWS, Google Cloud, Sales Force, Service Now, Oracle for training the students and thus leading for better placements.



About Director

Dr. A. Raji Reddy, is a 1990 Batch Mechanical Engineer from Nagpur University. He obtained his Masters' Degree from Regional Engineering College [NIT] Warangal in the year 1992 and Doctoral degree from Osmania University in Mechanical Engineering with Solar Energy as specialization in the year 2008.

In his 28 years of service, he has served in various capacities of administration, research, and academic roles. He even has two years of Industrial experiences in M/s. Ashok Ley Land Ltd., (Ductron Casting Unit), Uppal, Hyderabad.

Currently he has 10 Patents filed on his name and is Investigator of 03 Research Projects to the tune of Rs. 1.2 Crores as Grant from Govt. of India. He has successfully guided 10 M.Tech Projects and is currently guiding 03 research scholars for their Ph.D. His research areas include solar thermal applications, Biomass conversion technologies, solar cooking and Heat transfer. There are over 40 papers to his credit in peer reviewed & reputed International Journals, Conferences & National Conferences. He is reviewer of Elsevier Journals.

Recognitions and awards have been part of his career, which highlights the dedication and commitment he has laid down in fulfilling the responsibilities assigned to him. He is entitled as life member of Indian Society for Technical Education, Solar Energy Society of India and International Solar Energy Society of India. It was indeed an avenue to receive an award from Deputy Chief Minister of Telangana for effective leadership qualities in 2018. Received Acharya Ratna Award from Indian Servers in the year 2019.

Infrastructure

On infrastructure front, institute is spread across 10 Acres with built up area of 3.8 Lakh Sft, which is more than the requirement specified by regulating bodies. The state of art infrastructure includes world class International standard Indoor Sports Complex equipped with Badminton Courts, Snooker, Gym, Table Tennis, Yoga Centre and outdoor sports facilities like high quality cricket ground, basketball, Football, Handball Courts and Kho-Kho play area. Apart from sporting facility, the institute has 1200 capacity Auditorium, 04 Seminar Halls, Computer Centres, 11 Research Centres equipped with latest equipment and gadgets, 50 Smart Class Rooms, Industry Collaborated Centre of excellences, 9 activity clubs and 78 Labs. The institute has 500 capacity Girls hostel & 500 capacity Boys Hostel with excellent facilities, naturally ventilated Cafeteria, Roof mounted 120 kVA Solar Power Plant and Generator for power back up.



Memorandum of Understanding (MOU)

FOREIGN UNIVERSITIES



INDIAN INSTITUTES & UNIVERSITIES



INDUSTRIES



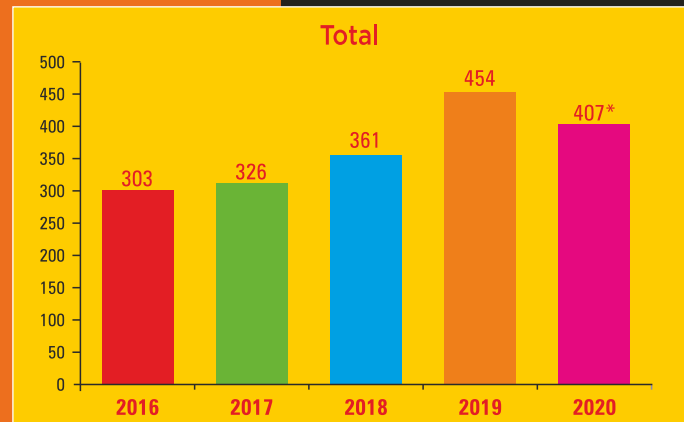
Rankings | Ratings | Awards | Achievements

- The institute received certificate of appreciation and categorized all India Rank of 51-75 Band in ARIIA 2020.
- Team Narcodes of CSE interacted with Hon'ble Prime Minister of India, Shri. Narendra Modi as part of Smart India Hackathon Grand Finale – 2020
- Career 360: Rated AAA and Ranked 2nd among Top Most Reviewed Accredited Colleges
- Silicon India: Ranked 8th among the Top Emerging Engineering Colleges in India
- Centre of Excellence Award by Human Resource Club Mumbai
- Best Accredited Student Branch Award by CSI of Region – V, consecutively for 4 years
- The Week: Ranked 17th among Private Engineering Colleges in Telangana - 2020.
- Outlook: Listed among Top Emerging Engineering Colleges
- Times of India: Ranked 2nd among Top Private Emerging Engineering Institutes in Telangana
- STAR Grade by IIT-Bombay Spoken Tutorial Workshops and nominated as RRC (Remote Research Centre)
- Education Promotion and Development Award by Council for Industrial & Trade Development
- College of the Year award by Trinity Media & Marketing Solutions during 3D Printing World Awards 2018
- First Place in AICTE - ISTE Chhatra Vishwakarma Award at Regional Convention in 2019
- Chronicle: Conferred Centre of Excellence, Rated A++ and Ranked 17th among Top Private Engineering Colleges in Telangana
- NPTEL: Rated AA for best performance Local Chapter
- MHRD IC: Rated 4 Star for Institution's Innovation Cell for 2018-19
- Half Yearly Best Performing Nodal Centre Award by Virtual Labs, IIIT Hyderabad
- Blood Donor Motivator Appreciation Award by Indian Red Cross Society, Telangana State
- Faculty of Physics received UGC-Raman Fellowship to carryout research in USA for a period of One Year
- Longest Continuous Student Branch Counsellor Award by CSI for 4 consecutive times.
- Dr. APJ Abdul Kalam Life Time Achievement National Award by International Institute for Social and Economic Reforms
- Faculty of the Year by Rashtriya Gaurav Awards 2019
- Acharya Ratna Award 2019 by Nav Bharath Nirman & Indian Servers
- 2nd Prize in Mahindra AQ Quiz Competition by Mechanical Students

Think Placements... Think CMR

Training and Placement cell [T&P Cell] was introduced with a vision to excel and to create a global opportunity for every student and ensure that their skills are properly identified and are oriented in the right direction. Since 2011, the department has been successful in inviting reputed companies every year for the selection of students. As this is the era of globalization, the need of the hour is training individuals to excel in the face of challenges thrown up by a rapidly changing socio-economic-technological scenario at the global level. The younger generation must strive to develop into a well-rounded personality with excellent technical, managerial, interpersonal and communication skills; poised at the cutting-edge of technology. In this context, the Training & Placement Cell has been doing its best to ensure better placements.

PLACEMENT RECORD (Past 5 years)



2020* - Placements still in progress

Student support activities by T & P Cell

- Providing opportunities for Campus Placements in the corporate world keeping their skill-set, career options and aspirations in mind. This facility is also extended to alumni of CMRTC.
- A dedicated Alumni Association of the college was initiated and administered for the Alumni.
- The cell offers training in soft skills, technical modules of corporate, leadership and managerial skills. It arranges mock interviews, group discussions, series of aptitude tests, technical tests and HR interviews for students. It also coordinates industrial visits and student training.
- For the students who wish to pursue their career in higher studies, CMRTC provides support and guidance.

The Programs organized by the T&P cell to enhance the skill set of students for Employment

1. E-learning System (GEMS) to develop communication skills and aptitude
2. Guest Lectures
3. Workshops
4. Seminars
5. Industrial Visits
6. Soft skills Training
7. Aptitude Training
8. Personality Development Programs
9. Mock Interviews
10. Higher Education Counselling
11. Training for GRE & TOFEL
12. Entrepreneur Development Programs



First Year Training



1. Basic Foundation Training
2. Problem solving skills using Basic programming Languages
3. Career Awareness and Aptitude Training Program (CAAP)
4. Personality Development Training

Second Year Training



1. Virtusa COE Training
2. Salesforce Training
3. IT Services Training
4. Product Development Training (Phase-I)
5. Data Science
6. Problem Solving Skills using (Python/Java/C++)
7. Campus Recruitment Training
8. Gaming Development

Training Strategies

1. Zensar ESDP (Employability Skill Development Program)
2. Wipro Talent Next Training
3. EPAM- PEP (Pre Education Program) Training
4. Virtusa – COE (Center of Excellence on Java Full stack Development) Training
5. Product Development Training (Phase-II)
6. Sales Force- Trail Mixes Training
7. Service Now Training
8. Campus Recruitment Training
9. MAT LAB and Networks(Core) Training by UTL Technologies
10. Mini projects and Internships



Third Year Training

1. Company Specific & Need base Training
2. Internships through Internshala & others
3. Post selection training for various companies



Fourth Year Training



407* Students Placed during the Academic Year 2019-20
 *Still in progress

4000+
 PLACEMENT OFFERS
 — 2013-20 —

Number of Students placed in all Branches

168
 CSE

107
 ECE

35
 MECH

13
 CIVIL

84
 MBA

HIGHEST PACKAGE

Academic Year 2019-20

15 LACS



• 15 LPA	-	1 Student
• 8 LPA to 10 LPA	-	15 Students
• 5 LPA to 7.90 LPA	-	21 Students
• 3 LPA to 4.90 LPA	-	256 Students
• 2 LPA to 2.90 LPA	-	114 Students

PROMINENT RECRUITERS

Infosys

Tech Mahindra

MAQ Software

Reliance Industries Limited

amazon

BNY MELLON

BYJU'S The Learning App

Capgemini

DXC technology

Cognizant

ggk tech

HEXWARE

HYUNDAI

IBM

Informatica

kony

L&T Infotech

Mindtree

NTT DATA Trusted Global Innovator

opentext™

OYO ROOMS

PRISM JOHNSON LIMITED (FORMERLY FRESH CEMENT LIMITED)

SAP

S&P Global

STERLING

Taakekraft

TATA CONSULTANCY SERVICES

TechSys TECHNOLOGY SYSTEMS

virtusa® Accelerating Business Outcomes

WIPRO Applying Thought

RESEARCH CENTRES

A dedicated Research Centre is the back bone for productive research outcome. CMR Technical Campus is no exception in establishing Centres in allied areas of current technologies. To match the requirement of industry, the institute has initiated several centres in every department.



Centre for Additive Manufacturing & Product Design

CAPD is a Research Laboratory of Mechanical Engineering Department with a vision to develop excellence in Product Design and realization in the form of rapid and efficient prototyping as well as Rapid Additive Manufacturing of Low-Volume products with high geometric creativity. This centre is funded to set up sophisticated 3D Printers by Institute and Department of Science & Technology(DST), Govt. of India, under TIDE scheme to carry out Research and Consultancy Work.



Centre for VLSI & Embedded Systems Design

Centre for VLSI & Embedded system design established with an aim to build Low cost, indigenous technologies through the Research & Development. The objective is to nurture the young Engineers with all skills necessary for various aspects of VLSI & Embedded Systems through Industry oriented projects. The centre possess equipment funded by DST, Govt of India under Fund for improvement of S&T infrastructure (FIST) scheme.



Centre for Advanced Communication Systems

Centre for Advanced Communication Systems targets the needs of researchers and industry in a fast-paced and technical communications sector, which continues to bring many of the advances that make ultra-fast communications possible. This centre conducts various FDPs and Workshops and also offers Student projects in this domain.



Centre for Signal and Image Processing

This centre provides a broad area of research problems to work for Under Graduates, Post Graduates, Faculty members to gain potential in the specific domain of signal and image processing. The Centre has potential Faculty Members in the area of Signal Processing, Communications, Image & Video Processing, Antennas too. A project on prediction of the Air-quality in Road Traffic is carried out, funded by DBT, Ministry of Science, Govt. of India.



Centre for Mobile and Web Technologies

Centre for Mobile and Web Technologies is established with a main motto to explore creative development ideas of the students in the area of web technologies. This centre supports academic projects on implementing real time ideas with latest technologies like Android, IOS and many more. This Centre conducts Google Mobile Developer Fest to encourage aspiring mobile developers.



Centre for Internet of Things

Internet of Things (IoT) centre provides multidisciplinary platform to nurture creative ideas of Students. This centre enables faculty and students to work on academic projects for implementation of real life problems using sensors, micro-controllers, communication protocols and cloud technologies. This Centre is Tied up with Cloud Chip Technologies Pvt. Ltd to train the students and faculty in this domain.



Centre for Data Analytics

A Data Analytic Centre facilitates centralization of institute Research and Development operations, stores, manages and disseminates its data, projects and training. It also houses the network's most critical systems, which are vital to the continuity of daily operations in every grassland data. A project is being carried out with financial support of DST, Govt. of India under CSRI scheme.



Centre for Knowledge Engineering & Deep Learning

This Centre is established keeping in view of vast scope and industry demand in the field of Artificial intelligence and Deep Learning. It is tied up with Bennett University, New Delhi. The Centre focuses on foundational AI, thematic areas such as language, speech and vision, and application verticals such as banking, business, crime, cyber security, healthcare, transportation, manufacturing, image analytics, Video analytics, agriculture, climate studies, oil & gas, etc.



NANO Sensor Research Laboratory

Nano sensor Research Laboratory is funded by Science and Engineering Research Board (SERB), Department of Science and Technology, New Delhi, inaugurated by Dr. V. R. Reddy, Scientist –F, UGC-DAE-CSR, Indore. This laboratory holds sophisticated ultrasonic spray pyrolysis equipment aimed to deposit thin films for various applications. Apart from this, a fully automated gas sensing setup is available to measure gas sensing characteristics of different materials which are in the form of thin films/powder with high resistance Keithley electrometer (6517B) with four mass flow controllers (Aalborg).



Centre for Geotechnical Engineering

This Centre is established with an objective to Perform multi-disciplinary research to solve difficult geotechnical issues, create cutting-edge tools as well as to develop new understandings and procedures. Also to Collaborate with other Institutions, companies, and research groups to build on the geotechnical body of knowledge. Currently Projects like Soil stabilization by using cement and rice husk, Stabilization of soil using admixtures and Geotechnical assessment on stabilization of contaminated soil are carried out in the centre.



Centre for Structural Engineering

The objective of the Centre is to excel in the methods and rendering of structural engineering principles, techniques through extensive research work. To encourage the innovative research to address the challenges of construction industries and to explore the research activities in the field of concrete technology to address the problems of sustainability of concrete. To train the students through periodical in-plant training industrial visits and to provide consultation on innovation management and incubation centres. Few of the equipment possessed by the centre are Vicat's Apparatus, Lechatlier Apparatus, Blains Apparatus, Bulk Density equipment, IS standard Sieve sets, Compression testing Machine, Flexure testing Machine, Impact testing equipment Impact testing equipment (Portable), Self-compacting concrete kit.



PROFESSIONAL CHAPTERS

- IEEE
- CSI [Computer Society of India]
- ISTE [Indian Society for Technical Education]
- SAE [Society of Automotive Engineers, India]
- ACCE [Association of Consulting Civil Engineering (I)]
- IETE [Institution of Electronics and Telecommunication Engineers]





DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Department of Electronics and Communication Engineering in CMRTC is popularly known as 'Branch of Consistency'. Consistency in all perspectives. In the current world scenario of Digitalization, Media & Communication, 5G Technologies and many more advancements in technologies related to automation, an ECE Graduate plays an important role in building of Nation though Science & Technology. The skills acquired by the students of ECE has landed them in many reputed companies like Mentor Graphics, L&T Metro, DSP, Bosch, TCS, Hyundai, etc.. The experienced faculty are the driving force of the department.

Few of the achievements of the department are:

- 15 Patents filed by the Department till date.
- Over 150 Papers published in reputed Journals.
- Established 03 Research Centres: 1. Centres for VLSI & Embedded System Design 2. Centres for Signal & Image processing 3. Centre for advanced Communication System
- Signed MoUs with more than 15 Companies.
- Won 1st prize in Robotics Competition held by IIT Hyderabad, BITS Hyderabad.
- More than 2000 students are facilitated with Internship in companies like HAL, NRSC, BDL, NFC, DRDL, BHEL, ECIL, etc.
- Received funding from government bodies to a tune of 1 crore.
- Industrial Visits to Satellite launch station Sree Harikota, NRSC Shadnagar, Door Darshan Kendra, Ramanthapur, Air force Station, Hakimpet, Hyderabad Radio Station, L&T Metro Signalling and Control station, Nagole and many more places.
- Highest package of 11 lacks in Microsoft.
- Ongoing Consultancy work worth of 16 Lakhs.
- Equipment worth 43.5 L from National Instrument laboratory under DST-FIST scheme.

DEPARTMENT OF MECHANICAL ENGINEERING

Department of Mechanical Engineering of CMRTC is privileged to be called as "Mighty Mech" and is one of the oldest and evergreen branch of engineering. This branch of engineering has paved path for many newer branches of Engineering like Production Engineering, Automotive Engineering, Mechatronics, Nanotechnology, Material Science and Metallurgy, Marine Engineering, Aeronautical Engineering, Robotics and many more. It is the most diversified branch of all the Engineering Disciplines. At CMRTC, the Mech students' role out to be the most vibrant and active flocks in the campus. The strength of the department clearly stands out to be its activities and its faculty.



Achievements of Mechanical Department:

- 18 Patents are filed by the faculty and students of the department.
- Over 200 Research Publications in various International/ National Journals and Conferences.
- The students from the Department of Mechanical Engineering got placed in various companies such as TCS, Quest Global, Amazon, Genpact, BYJU'S, Reliance and Hyundai.
- MOU with more than 20 industries for internship and Research collaborations.
- Department of mechanical engineering research centre for Additive Manufacturing and Product Design has received "3d Printing World Award 2018 College of the Year" Education by Trinity media and marketing solutions.
- Received grant on Project titled "Development of Bio-Degradable Prosthetic Limbs Using 3d-Printing for Moment Disability People" from the Department of Science and Technology, Government of India under the TIDE scheme.
- Financial support by DST, Govt. of India under NSTMIS scheme.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING & INFORMATION TECHNOLOGY

Computer Science and Engineering & Information Technology with an intake of 240 [CSE] & 120 [IT] is one of the top performing departments of the Institute and the most sought over branch by the students. The department proudly boasts the presence of its Alumni in many reputed Companies like SAP, WIPRO, INFOSYS, etc. with package varying from 8 to 15 Lakhs per Annum. Not only Alumni, the current students have also let the head of the Department high by wining many competitions across the country like Hackathons, Codethons, Poster presentations, Paper presentations and many more. The department has even mentored the students to the stage of 'APP Developers' through 'Patent filers'.

Out of many Achievements the department has, a few are mentioned here.

- Trained and Certified Faculty Members by WIPRO, Virtusa, Servicenow, Zensor, Google etc.
- Star Grade by IIT Bombay Spoken Tutorials, Top 3 performer Award by IIIT Virtual Labs, Google recognized Campus for GCP.
- Filed 23 patents and 1 Copyright Granted under Software
- 200+ Papers published in reputed peer reviewed indexed Journals.
- Established Research Centres cum Center of Excellences in collaboration with industry in Mobile & Web Technologies, Data Analytics, Internet of Things, Cyber Security and Robotic Process Automation.
- MoU's with 20+ Industries and 8 Foreign Universities.
- 1 Crore + Research Grant from Govt of India.
- 20 Lakh + Consultancy from various organizations for Application Development.
- 2000+ students are facilitated in 40+ MNC companies with Internships and employment.
- Our Frequent internship providers and recruiters are IBM, NIC, TCS, Value Labs, GGK Technologies, Opentext, BNY MELLON, Pactera Technologies India pvt ltd, Travel Tripper, Cloudchip, Ctrl S, Zensor, Smartbridge, Internshala, Capgemini, Wipro, DxCT, Virtusa, TASK and many more.
- Member of reputed professional bodies like IEEE, ISTE, IETE, ACM and CSI.
- Best Accredited Student Branch Award from Computer Society of India for 4 consecutive times.
- Recognized IEEE WIE (Women In Engineering) CMRTC Affinity Group.

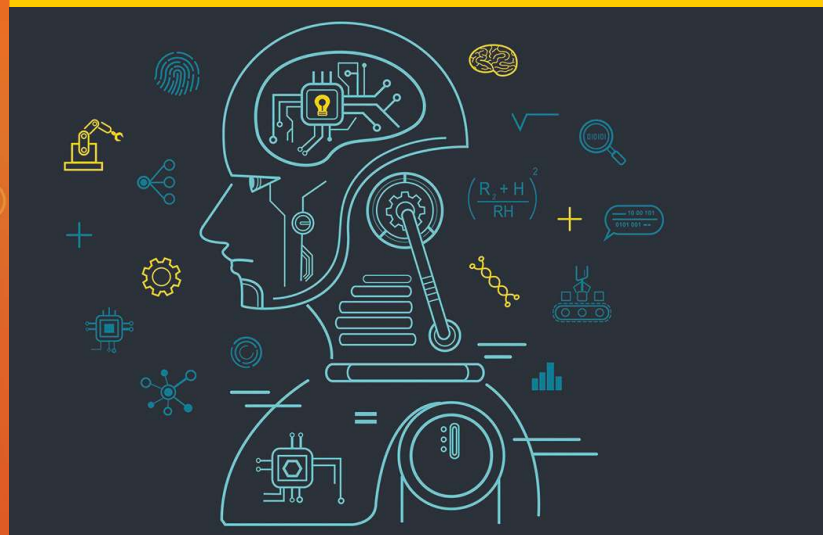
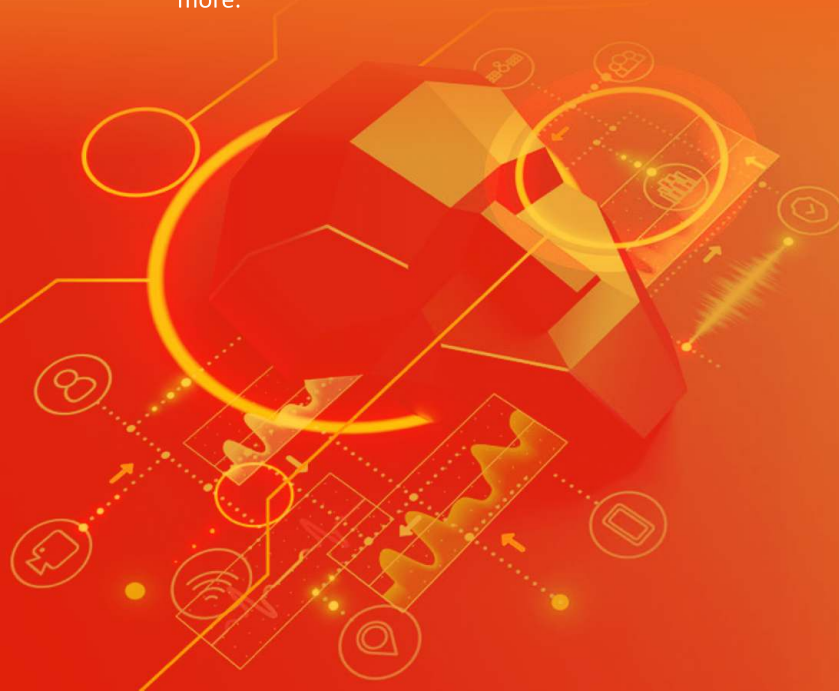


COMPUTER SCIENCE AND ENGINEERING ARTIFICIAL INTELLIGENCE & MACHINE LEARNING (AI&ML)

B. Tech in Computer Science and Engineering (Artificial Intelligence & Machine Learning) is an undergraduate programme with cutting-edge technologies in Machine Learning, Deep Learning and AI. Artificial Intelligence is defined as teaching the machines to learn, act, and think as humans would, nothing but “Machines Exhibiting Intelligence”. AI is the application of computing to solve problems in an intelligent way using algorithms. AI is a tool that uses computer to complete a task automatically with very little to no human intervention. Machine Learning is a subset of AI. Machine Learning enables a computer system to make predictions or take some decisions by learning through historical data without being explicitly programmed. It is used in building Digital assistance, Robotic Process Automation, Self-driving vehicles, drones, news updates, disease diagnosis, smart agriculture, online product recommendations and many more.

Why AI&ML?

- AI software market revenue worldwide will be in 126 billion dollars by 2025. (Approximately 9,45,000 crores)
- AI will be replacing almost 69% managers work load by 2024.
- AI could create 58 million new jobs by 2022 as per Forbes report.
- Huge void is expected in future with respect to AI jobs due to lack of skilled professionals.
- The average salary of AI fresher's in India would be from 8 LPA to 12 LPA.





COMPUTER SCIENCE AND ENGINEERING DATA SCIENCE

Why Data Science?

- Global data science platform market size is expected to grow from USD 37.9 billion in 2019 to USD 140.9 billion by 2024.
- Emerging branches will replace almost 69% managers work load by 2024
- 59% of all Data Science and Analytics (DSA) job demand is in Finance and Insurance, Professional Services, and IT.
- By 2024, a shortage of 250,000 data scientists is predicted in the United States alone.
- The average salary of Data Scientist fresher's in India could be 6 LPA to 10 LPA.

Data Science is the study of data. It is about extracting, analyzing, visualizing, managing and storing data to create insights. These insights help the companies to make powerful data-driven decisions. Data Science requires the usage of both unstructured and structured data. It is a multidisciplinary field that has its roots in statistics, math and computer science. It is one of the most highly sought after jobs due to the abundance of data science position and a lucrative pay-scale. Data Science has helped various industries to automate redundant tasks. Companies are using historical data to train machines in order to perform repetitive tasks. This has simplified the arduous jobs undertaken by humans before. Data Scientists allow companies to make smarter business decisions. Companies rely on Data Scientists and use their expertise to provide better results to their clients. This gives Data Scientists an important position in the companies.



DEPARTMENT OF CIVIL ENGINEERING

Civil Engineering Department with an intake of 60 is known as 'Royal Civil'. One of the oldest branch of Engineering and Nation Builder, is a specific sought to branch of engineering. The department established "Civil Engineering Association" (CEA) in the year 2012, where the students are encouraged to develop their communication skills and presentation skills. The department is constantly encouraging the students to register NPTEL courses and value added courses like Auto CAD, STAAD, etc. The students are members of ISTE and ACCE. The Students are taken frequently for industrial visits and field trips. At CMRTC, we strive to build Civil Engineers who think of sustainable building materials, global warming and to produce durable structures to create the wealth to the society. The department has been active in taking up consultancy projects also.



Achievements of Civil Department are:

- Certificate Programs on Auto-CAD and STAAD-Pro are offered by the department under the Value added course using Advanced training Lab.
- Students of the department got admission in MS in the universities like, UCDAVIS-CALIFORNIA, INSEC-FRANCE, USQ – SOUTHERN QUEENS LAND)
- Department had MoU with ARK Infra solutions Pvt Ltd Hyd. and Reliable Environmental Solution.

- As a part of industrial visits, Civil Engineering Department conducts 3 to 5 days' tour every year.
- Department has conducted two National and one International conference till date.
- Faculty published more than 100 papers in reputed journal.
- Offering consultancy in the field of structural Engineering and Geo-technical Engineering.
- Students are placed in the companies like L&T, METRO, Ultratech, Mission Bhagiratha and other Govt. agencies.



DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

The Department of MBA was established in 2009 with an intake of 60 students and has increased to 180 now. The Department induces an environment of innovative pedagogical methods and practices, sought by the industry. MBA Program of CMRTC do not confine only to academics alone but also infuse the right attitude and values enhancing their skills to face the challenging business world. The department aspire to develop business leaders which are capable of building resilient organisations, whilst adhering to the highest standards of Corporate Governance.

Achievements of the department:

- Modern Teaching Methodology where classroom experience is put through case studies, simulation exercises etc.
- Excellent faculty with blend of experience in both industry and academic background
- Frequent Industrial Visits to make theory put into practise. Interaction with Corporates through Seminars, Workshops and Guest Lectures.
- Entrepreneurship Development Cell along with Incubation Centre.

- Collaboration with Premier Institutions like ISTD, NHRD and HMA for Training.
- State of the Art Laboratories for Soft Skills Training.
- 50+ Papers published by faculty in reputed peer reviewed indexed Journals.
- More than 1000 students are recruited in many reputed companies and MNCs like BYJU'S, TOPPER, JARO Education etc.,
- Sai Deepak Patel, student of MBA 2017-19 bagged World Guinness record in Martial Kicks in One Minute (Single Leg) in Taekwondo.



DEPARTMENT OF HUMANITIES & SCIENCES

Department of Humanities & Sciences is the branch of Basic Sciences and Life skills consisting of Physics, Chemistry, Mathematics, English and Physical Sciences. The department conducts 3 weeks Induction program for the newly admitted B. Tech Students, to orient them towards Professional Engineering Education. Experts from fields of Industry, Scientists, Academicians, Sportsmen, Reputed Counsellors, Govt. Officials, Doctors, Specific Achievers and many more are invited as resource persons. This program acts as a bridge to connect the students with the institute and specifically the teachers, called as Mentors. This enables bonding among the students and removes the fear factor, thus getting tuned to new learning environment. Even, the department offers pre-placement training on aptitude and technical subjects related to emerging areas, scheduling from first year itself.

The department lays foundation to the concepts of engineering through the fundamental theorems and laws. The department puts concerted efforts to provide necessary guidance and a sense of direction to all the students of I Year B.Tech. The Department of H&S has well qualified, experienced and committed faculty members holding M. Sc, M. A, M. Com, M. Phil and Ph. D Degrees. A sound knowledge of Mathematics is considered a prerequisite for any Engineering professional to be successful in his chosen field. Physics and Chemistry are considered the basic sciences from which all Engineering branches have evolved. The students are exposed to Engineering Physics and Chemistry laboratories. And with growing importance of English as a tool for global communication a lot of emphasis is laid here in honing their communication skills. With the help of fully equipped ELCS and Soft Skills labs the faculty trains the students with the focus on their personality development, positive thinking, improving their confidence levels so as to prepare them for better placements.



Right from First year itself the students are provided the blend of Research, Extra Curricular activities and Sports along with academics. The department has established a Nano Sensor Laboratory with funding of 35 lakhs from SERB, Department of Science & Technology, Govt. of India for conducting experimentation in Coating of Thin Films / Materials. The students are encouraged to be a part of various clubs like Lexis [Literary Club], Akriti [Cultural Club] to innate their hidden talents. The vibrant Sport club along with Indoor Sports Complex, gives a sports enthusiastic student a best opportunity to excel.

INFRASTRUCTURE AND FACILITIES



- Total built-up Area 33539.60 Sq.m
- State of art laboratories
- 1200 capacity Auditorium
- Wi-Fi enabled campus
- Separate Hostel Facility for Boys & Girls
- Sports Complex
- Gymnasium
- Grid connected Solar Rooftop

33540 Sq.m

Total built-up
Area

1200

Capacity
Auditorium

1000

Capacity
Boys & Girls Hostels

CMR GIRLS HOSTEL



HOSTEL FACILITY

CMRTC has 500 capacity girls hostel and 500 capacity boys hostel with facilities like RO Mineral Water, Laundry Service, Hot Water, Back-up Power, Wi-Fi, TV Room, First-Aid, Round the clock security and many more.

CMR BOYS HOSTEL

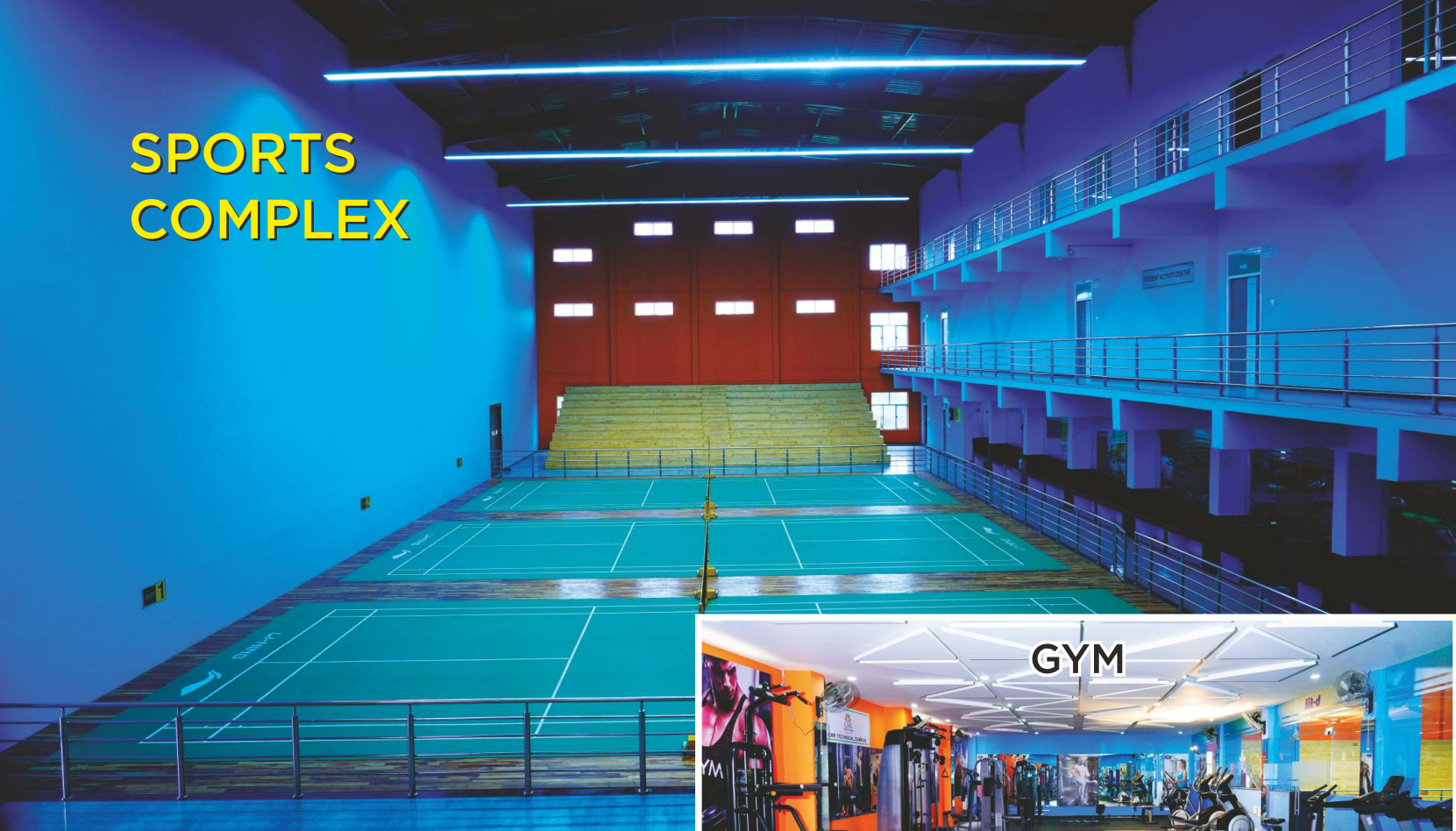


TRANSPORT FACILITY

CMR Buses have been exclusively arranged to connect from main locations in twin cities to college to meet the need of students who wish to avail the facility. The bus timing is fixed according to the college hours. Special bus services are available for the students participating in sports and games.



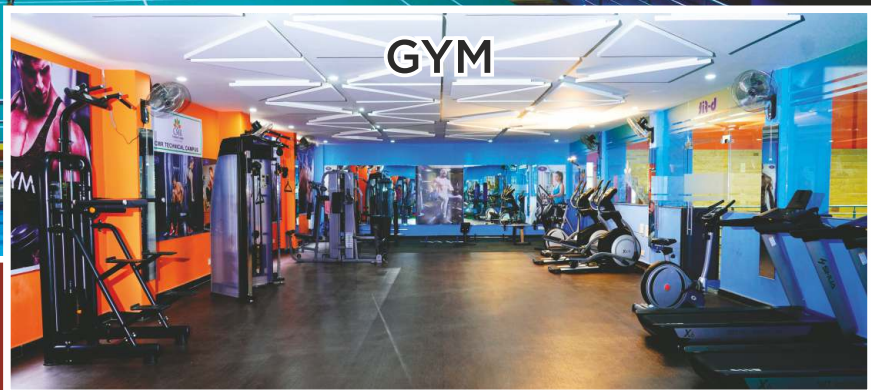
SPORTS COMPLEX



Indoor Sports Complex

CMR Technical Campus facilitates the sports loving fraternity with a world class Indoor Sports Complex. This facility is built across **21490 Sft.** which includes different sporting options.

This Indoor Sports complex houses international Standard Badminton Courts, Snookers and GYM. The other sports include Table Tennis, Carroms, Chess and Yoga Centre. This complex is centre for various student Club activities. Even boarding facility for out station participants is available.



Sports Achievements

- S. Srujana of CSE Department had climbed African continent highest peak and also world's highest volcanic peak Mt. Kilimanjaro on 2nd April 2018.
- B. Sai Deepak of MBA Department achieved Two Guinness World Records for INDIA in Taekwondo for Most Number of Martial Arts Kicks in One Minute (Single Leg).
- Gold Medal at 1st Indo- Korean friendship Taekwondo championship, Korea, January 2019.
- Cdt. G. Franklin Paul of Mechanical Department won Gold Medal in the firing event during inter group competition (IGC-NSC) held at Visakhapatnam.
- Bronze Medal at 12th CK Classic International Open Taekwondo championship, Malaysia, August 2018.
- Silver Medal in SHORTPUT, Bronze Medal in DISCUS THROW at 11th Indian Open Inter Engineering Collegiate Sports Fest.
- First Place in KHO-KHO at Open Inter Engineering Collegiate Sports Fest., SPORTS BOUT -2K18 and KHELOSTAV - 2K19.
- Handball Men's Team Winners at JNTUH Central Zone on 24th March 2K18.
- Handball Women's Team Runners at JNTUH Central Zone on 24th March 2K18.
- KHO-KHO team Runners at inter College Sports fest conducted by ACE College on 28th -30th Dec. 2018.
- KHO-KHO team Winners at Inter College Sports Fest Conducted Tirumala Engineering College-2K19.

LIBRARY

The Central Library, the college's prime knowledge source, has an impressive collection of 31200+ volumes of 3900+ titles and 140+ plus National & International Journals, 50 Magazines and 10 Newspapers to cater the need of Engineering and Management streams. The library books can be easily accessed through the use of Online Public Access Catalogue (OPAC) with fully automated Bar Code Mechanism. The well connected Digital library provides access to e- Books, e- Journals and e- content to the Students. Apart from the Print Journals, Central Library has subscribed AICTE mandated e-resources to explore the current knowledge, developments and innovations in the field of different engineering disciplines.



31200+
VOLUMES

3900+
TITLES

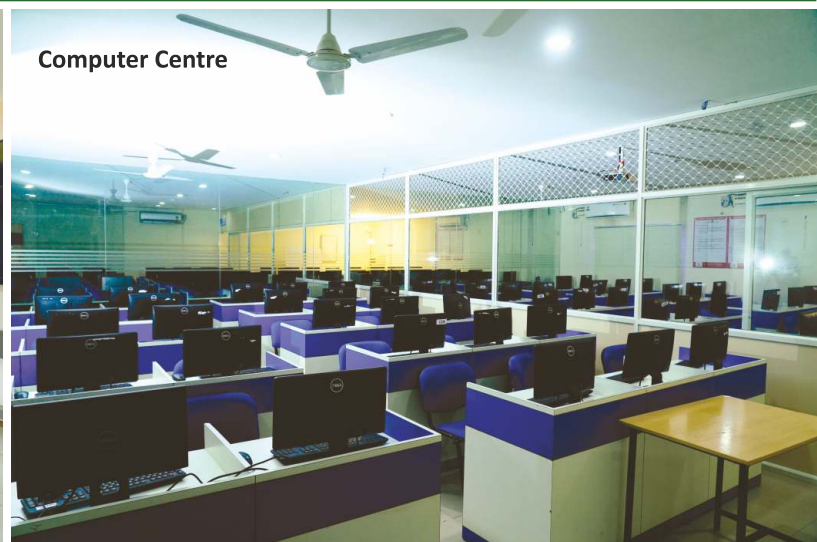
140+
JOURNALS

50
MAGAZINES

10
NEWSPAPERS



Administrative Office



Computer Centre



Incubation Centre



Cafeteria



Solar Power Plant

Happenings @ CMRTC



RANKINGS & RATINGS

 **NPTEL**
Ranked AA For Best Performance Local Chapters

 **MHRD'S INNOVATION CELL**
 (GOVERNMENT OF INDIA)
Ranked 4 ★★★★★ For Institution's Innovation Cell for 2018-19.

 **ARIIA**
 ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS
 Categorized in **51-75** all India Rank Band Under Private / Self Finance Institutions category

 **THE TIMES OF INDIA**
Ranked 2nd Among Top Private Emerging Engineering Institutes in Telangana

THE WEEK
Ranked 17th Among Private Engineering Colleges in Telangana

DECCAN Chronicle **17th**
 Centre of Excellence **Ranked A++** Among Top Private Engineering Colleges in Telangana

siliconindia
Ranked 8th Among the Top Emerging Engineering Colleges in India.

CAREERS 360
Ranked 2nd Among Top Most Reviewed Accredited Colleges

OUTLOOK
 THE WEEKLY NEWSMAGAZINE
LISTED AMONG TOP EMERGING ENGINEERING COLLEGES



CMR TECHNICAL CAMPUS UGC AUTONOMOUS

ACCREDITED BY NBA & NAAC with A-GRADE
 Approved by AICTE, New Delhi and JNTU, Hyderabad

Kandlakoya, Medchal Road, Hyderabad - 501401
Ph: 9100760559, 9100470559, 9247033441

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PGECET CODE

CMRG



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