

CMR ENGINEERING COLLEGE

UGC AUTONOMOUS

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NEWSLETTER July-Dec 2024

Department of Humanities and Sciences

Our Sincere Thanks to

Chairman	:	Sri. Ch. Narsimha Reddy
Vice-chairman	:	Sri. Ch. Bhoopal Reddy
Secretary	:	Sri. Ch. Srisailam Reddy
Principal	:	Dr. A. Srinivasula Reddy
HS -HOD	:	Dr. K.V. Reddy

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Our Motto is
“Think Placement Think CMR”

Message From Management



Sri. Ch. Bhoopal Reddy
Vice-Chairman

It is my pleasure in congratulating the editorial board on this pleasant occasion of releasing the newsletter. Four years of engineering education at CMREC will not only earn students a degree but will transform students' personality, empowering them to lead a successful life. On this gracious occasion I wish all the best to those who are responsible for bringing out this letter.



CMR
Founder

Sri. Ch. Narasimha Reddy
Chairman

I am delighted to know that our college newsletter carrying the campus news and the achievements of our staff and students, who earn credits for the institutions, is being released. I can say with confidence that CMR Engineering College is a role model for others and students getting an opportunity to be associated with us have every reason to expect the best. With the support of qualified, dedicated and hardworking faculty, the institute has achieved enviable ranking in a short span and I have no doubts that with this pace, CMR Engineering College (Autonomous) will march ahead of other eminent institutes .



Sri. Ch. Srisailam Reddy
Secretary & Correspondent

We are extremely happy in releasing the half-yearly newsletter, highlighting the activities of the college between Jan 2023 and Dec 2023. The laudable exercise of the students and staff of this Institution has already brought laurels in the name of one of the Top 100 Best Colleges Award for the year 2016 by Higher Education News journal. I congratulate the staff and students for this achievement. I wish that everyone continue their untiring efforts not only to retain this reputation but to grow to further high standards. On this gracious occasion I wish all the best to those who are responsible for bringing out this letter.

On reading this text, it would definitely be an inspiration and motivation for the other students and staff to perform better and add on contributions in the forthcoming issues. Congratulations to all the contributors



Dr. A. Srinivasula Reddy
Principal

I have a great pleasure in expressing my thoughts as the Principal of CMR Engineering College (Autonomous). Our institute holds the manifold distinction of being amongst the best when one considers the present status of technical education today. Our teachers are invited as resource personnel at national and international seminars, conferences and symposia in India and abroad. I wish the best for all our staff and students who reiterate their aims at providing the best in academic and extra-curricular fields. It is my pleasure in congratulating the editorial board on this pleasant occasion of releasing the newsletter. It is great to find a considerable number of winners and participants in co-curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary skill-sets to bring such laurels to the institution. I wish that this number may grow in the years to come.



Dr. K.V. Reddy
HOD – H & S Dept.

It gives me immense pleasure to the Newsletter of H&S Department, FRESHMAN. I am extremely happy in releasing this newsletter which highlights the activities conducted by our dept in this Academic Year 2023 -24. I congratulate all the faculty members on their sincere endeavours for their Professional Dept and achieving excellence.



Dr. S.P Singh
Dean (H & S) & Professor

ABOUT DEPARTMENT

The humanities and sciences strongly acknowledge as the footing subject for all the other branches of engineering discipline. The humanities and sciences department aims at providing competitive quality of education and it supports the students to lay the basic profound foundation of information and knowledge to all the branches of engineering. The objective of the department is to make the students to understand and aware of the importance of sciences and develop a natural elegance and interest towards the engineering and technology, which in turn will enhance and mould the students to a competent professional. It encourages the practical applications of concepts through learning experience and active participation and sharpens the students' strength and capability to converse and think rationally, potentially, and innovatively in several ways and these are appropriate for their discipline.

The precept of the department is to cater the formidable education to the students with the assistance of well-qualified, dedicated and highly motivated faculty members. Our faculty's research expertise in all frontier areas in English, physics, chemistry and mathematics will definitely aid the students to enrich their awareness in the engineering studies. The faculty of humanities and sciences, impart the best teaching methodologies to the students, which result to mould the students to the competent and true professionals, who are fit to apply their knowledge innovatively and independently and the outcome is they are recognised ample engineers of the society.

Our Vision and Mission

If You Think of Vision and Mission as an Organization's Head and Heart, the Values it holds are its Soul.
--- Buzotta

VISION

- To be recognized as a premier institution in offering value based and futuristic quality technical education to meet the technological needs of the society

MISSION

- To impart value based quality technical education through innovative teaching and learning methods
- To continuously produce employable technical graduates with advanced technical skills to meet the current and future technological needs of the society
- To prepare the graduates for higher learning with emphasis on academic and industrial research.

Program Outcomes (PO's)

1) Engineering Knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems

2) Problem analysis:

Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3) Design/development of solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.

4) Conduct investigations of complex problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5) Engineering tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling to complex engineering activities, with an understanding of the limitations.

6) The engineer and the world:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7) Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

8) Individual and team work:

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

9) Communication:

Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions

10) Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

11)Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSO's)

1)To exhibit the knowledge of algorithms, data structures, information security, programming languages, networking devices and data science and analytics as an IT Professional.

2) To be able to use industry Standard tools by Collaborating with Peers for becoming a successful IT Professional

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO 1: To provide strong fundamentals in engineering principles to analyze, design and develop effective solutions using Advanced Programming tools in the field of Information Technology.

PEO 2:To create an IT Industry oriented Atmosphere for imparting the ability to lead or work in inter-disciplinary domains, collaboratively conduct research and Develop Solutions for the Benefit of Society.

PEO 3: Practice Professionalism and lifelong learning by adapting newer technologies with legal, social and ethical responsibilities.

Student Council Activities

CHAMP – CMREC’s Hub of Ambitious Mathematicians & Pragmatists

CHAMP, the Mathematics Club of CMREC, is committed to nurturing curiosity and excellence in mathematics among aspiring engineers. Emphasizing that mathematics is a foundation for innovation and real-world problem-solving, the club promotes analytical thinking, conceptual clarity, and systematic approaches through workshops, interactive sessions, and engaging activities. By highlighting modern mathematical developments and practical applications across engineering domains, CHAMP strives to make mathematics enjoyable, meaningful, and inspiring for every student.



CREST (CMREC’s Realm of English for Smart Technocrats)

The CREST Club at CMREC (CMREC’s Realm of English for Smart Technocrats) is a dynamic platform where language, creativity, and confidence come together. Guided by the motto “Celebrating the Power of Language,” the club hosts debates, JAM sessions, poetry slams, storytelling, and literary events that nurture communication skills, critical thinking, and stage confidence. By encouraging collaboration and expressive freedom, CREST shapes articulate technocrats who carry the power of words into their academics, careers, and communities.

AAKRITI -Nature Club

AAKRITI, the Nature Club of CMREC, inspires students to take responsibility for environmental protection and sustainable development. Promoting the principles of Reduce, Reuse, and Recycle, the club conducts awareness programs, eco-initiatives, and leadership activities that encourage practical environmental action. Under its guidance, the



institution maintains a plastic-free campus, practices waste segregation and e-waste management, promotes solar energy and LED conservation, and organizes initiatives such as tree plantations, recycling drives, Eco Film Fest, and World Environment Day celebrations—strengthening its commitment to a cleaner, greener future.

Club Co-ordinator - R Shirisha and P Anita`

Student Co-ordinators

President- Ganga Shiva Shankar

Vice President- T Sowmya Reddy

Women Empowerment Cell - CHARITA

CHARITA – For a Better Change

CHARITA, the Women Empowerment Cell of CMREC, was established on 8th March 2014 to create a safe, respectful, and empowering environment for women on campus. Committed to promoting gender equality and preventing discrimination and sexual harassment, the cell conducts awareness programs and provides a structured grievance redressal mechanism. It offers a supportive platform for girl students and women staff to build leadership skills, express themselves confidently, and enhance their talents. Guided by Supreme Court directives and institutional policies, CHARITA ensures confidentiality, fairness, and timely action, fostering trust and empowerment within the campus community.

CMREC BLOCKCHAIN CLUB

The CMREC Blockchain Club is a dynamic student-led community that empowers learners to explore Blockchain technology and Web 3.0 innovations such as cryptocurrencies, smart contracts, NFTs, and decentralized applications. By combining theoretical knowledge with hands-on projects, the club helps students understand secure database systems and real-world blockchain applications. With training in UI/UX design, web and app development, and crypto fundamentals, the club fosters innovation, collaboration, and technical excellence while preparing students to lead in the evolving digital ecosystem.

President- Aditya Choudhary

Vice President- Raghavendra

DATA ANALYTICS CLUB (DAC)

The Data Analytics Club (DAC), established in September 2022, focuses on nurturing analytical

thinking and data-driven problem-solving skills among students. Through expert talks, workshops, and project-based learning, members gain exposure to Python programming, data preprocessing, machine learning, neural networks, and AI tools. By bridging academic knowledge with real-world applications in business, healthcare, and engineering, DAC equips students with industry-relevant skills and prepares them for successful careers in analytics and artificial intelligence.

Faculty Co-ordinators- Mrs. M S S Lakshmi Lavanya and Mr. B Kishore Kumar

Student Co-ordinators

President- B Aravind

Vice President- A Purna Rohit

ROBOTICS CLUB

The Robotics Club provides a vibrant platform for students to explore robotics, automation, and intelligent systems through experiential learning. By designing and building innovative robotic models such as obstacle-avoiding robots and gesture-controlled systems, students enhance their technical knowledge, teamwork, and creativity. Through demonstrations, reviews, and faculty mentorship, the club strengthens practical skills and inspires young engineers to innovate and contribute to advancements in robotics and AI.

Coordinators- Mr. Lal Bahadur Pandey and Mrs. Priyanka

CODING CLUB

The Coding Club is dedicated to strengthening programming proficiency and logical reasoning through hands-on coding sessions and challenging problem-solving activities. Students work on algorithm-based projects aligned with the academic curriculum, including graph algorithms, knapsack problems, matrix chain multiplication, and data structure implementations. By solving competitive and GATE-level problems, the club sharpens analytical thinking and prepares students to become confident, industry-ready programmers.

CUBES CLUB

The Cubes Club is a student-led initiative that fosters a strong programming culture and equips students with industry-relevant technical skills. Founded by the Department of Information Technology, the club provides a collaborative platform to explore areas like programming, web and app development, AI, ML, and IoT. Through workshops, coding contests, open-source projects, and participation in platforms such as CodeChef and HackerRank, Cubes Club promotes innovation, real-time problem-solving, and enhanced career readiness in the tech domain.

President- Anirudh

CMR ENGINEERING COLLEGE
EVENTS LIST
(July-Dec) 2024

S.No	Event Name	Dates of Event	Resource Persons
1	Library Day celebration	12-08-24	Dr. D. Rajeshwar
2	Har Ghar Tiranga Rally	14-08-24	
3	Independence Day Celebration	25-08-24	
4	Induction Program	03-09-24	Mr. Maharshi Sagar.
5	Teacher's Day	05-09-24	
6	Engineer's Day	14-09-24	
7	Virtual Lab -BEE	16-11-24	
8	National Energy Conservation week	14-12-24	
9	IBM SkillsBuild Orientation Programme	03/04/2023	Anjali Verma, Associate Manager, CSR Program, IBM
10	National Mathematics day	22-12-24	Dr. D. Mallikarjuna Reddy

Library Day Celebration

CMR Engineering College celebrated Library Day with great enthusiasm to promote reading culture and effective use of library resources. The Principal, Dr. A. Srinivasula Reddy, encouraged students to utilize the library for academic excellence. The librarian, Dr. D. Rajeshwar, highlighted the importance of reading for personal and professional growth. A special tribute was paid to Dr. S. R. Ranganathan, the Father of Library Science in India. The event concluded with an award ceremony recognizing the Best Library Users of 2024, motivating students to strengthen their research and reading habits.



A highlight of the event was the **award ceremony** recognizing the best library users of 2024.

The winners included:

- Alure Rahul of 3rd CSE B, who received the first prize,
- Vajrang of 4th CSE, who secured the second prize, and
- Likitha of 3rd CSC, who was awarded the third prize.

Har Ghar Tiranga Rally

Under the Har Ghar Tiranga initiative, CMREC organized a patriotic rally featuring an exceptionally long Indian tricolor carried by students and faculty across the campus. The rally symbolized unity, national pride, and respect for the country's heritage. The Principal addressed the gathering, emphasizing the importance of honoring national symbols and remembering the sacrifices of freedom fighters. The event concluded with the National Anthem, leaving participants with a deep sense of patriotism.

B.Tech Induction Programme 2024–25

CMREC conducted a comprehensive Induction Programme for first-year B.Tech students to help them transition smoothly into college life. The programme focused on Universal Human Values, academic regulations, innovation, communication skills, yoga, and personality development. Through interactive sessions and expert lectures, students were introduced to institutional culture, academic expectations, and career pathways, fostering confidence and holistic development.



Skill Development Session – Induction Programme

As part of the induction activities, a Skill Development session was conducted by Mr. Maharshi Sagar. The session emphasized self-reflection, goal setting, and resilience. Students were inspired to evaluate their strengths and weaknesses and build clarity for their future careers. The session left a lasting impact by motivating students to cultivate discipline and a



positive mindset.

Human Values and Ethics Lecture

A guest lecture on “Human Values and Ethics” was delivered by Dr. P. Madhusudhan to instill moral responsibility and character building among first-year students. The session highlighted the importance of integrity, empathy, and ethical conduct in personal and professional life. The lecture provided valuable insights into becoming responsible engineers and citizens.

Personality Development Programme

A dynamic personality development session was conducted by motivational speaker Malleesh Annamaina on the theme “Winner vs Champion.” Through his ABCDE framework—Ambition, Burning Desire, Commitment, Discipline, and Excellence—he encouraged students to adopt a champion mindset. Inspirational references to personalities like A. P. J. Abdul Kalam reinforced the importance of perseverance and vision in achieving success.

Teachers’ Day Celebrations

Teachers’ Day was celebrated on September 5th to commemorate the birth anniversary of Sarvepalli Radhakrishnan. The event included lamp lighting, speeches, and a felicitation ceremony honoring faculty members for their dedication and service. The celebration expressed gratitude towards teachers for shaping students’ academic and personal growth.



National Energy Conservation Week (Dec 14–18, 2024)



CMREC, in collaboration with the The Institution of Engineers (India), celebrated National Energy Conservation Week with various awareness activities. The programme included slogan writing, essay and poetry competitions, quiz, rangoli, painting, poster presentations, and an Energy Conservation Awareness Walk at Visvesvaraya Bhavan, Khairatabad. The initiative encouraged students to adopt sustainable practices and highlighted the importance of renewable energy and environmental responsibility.

Activities and Winners List:

Quiz

First prize: Mohd.Faisal (248R1A05FW) CSE-E I year

Second prize: N.Lakshmi Sowjanya((248R1A05FW) CSE-E I year

Essay Writing

First prize: Bhonagiri Uday Kiran (248R1A05B3) CSE -C I YEAR

Second prize: Ambati Navya (248R1A05GM) CSE-F I YEAR

Energy-Saving Innovation Challenge

First prize: Jukanti Srija (248R1A05DM) CSE-D I year

Second prize: Gourishetty Vashist (248R1A05BA) CSE-C I year

IBM Skills Build Orientation Programme

CMR Engineering College organized the IBM SkillsBuild Orientation Programme on 17th December 2024 for first-year B.Tech students, led by **Anjali Verma, Associate Manager, CSR Program at IBM**. The session introduced students to the IBM SkillsBuild platform, a

structured digital learning ecosystem offering competency-based courses in Artificial Intelligence (AI), Cloud Computing, Cybersecurity, Data Science, and other emerging technologies. Emphasizing industry-aligned curriculum and outcome-based education, the resource person explained how the platform integrates modular learning paths, virtual labs, project-based assessments, and micro-credential certifications to bridge the gap between academic learning and real-world industry requirements.

The programme further highlighted the importance of digital transformation, Industry 4.0 technologies, and continuous professional development (CPD) in today's competitive IT landscape. Students were guided on certification tracks, digital badges, hands-on experiential



learning, and career pathways that support internship and employment opportunities.

National Mathematics Day Celebrations

National Mathematics Day was celebrated on December 22nd to honor the birth anniversary of Srinivasa Ramanujan. The event featured an expert lecture by Dr. D. Mallikarjuna Reddy on Mathematical Statistics and Data Science, along with quiz and poster competitions. The celebration inspired students to appreciate the role of mathematics in engineering, research, and modern computing.

WINNERS OF MATHEMATICS QUIZ



CSE Department				
S.No	Name	Section	Hall Ticket No.	Position
1	K.Sanjana	CSE-D	248R1A05DU	First
2.	Ishika Das	CSE-G	248R1A05K4	Second
ECE Department				
1.	B.Narsimha Reddy	ECE-A	248R1A0409	First
2.	P.Abhinav	ECE-A	248R1A0447	Second
CSM Department				
1	M.Suchith Kumar	CSM-A	248R1A6636	First
2	2.A.Abhishek	CSM-B	248R1A6670	Second
CSD Department				
1	A.Sri CharanRao	CSD-A	248R1A6704	First
2	Chandrakesh	CSD-C	248R1A67D8	Second