CMR ENGINEERING COLLEGE

UGC AUTONOMOUS

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NEWSLETTER July-Dec 2022

Kandlakoya(V),

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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

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.

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 contributons

Dr. A. Srinivasuala 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.

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

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.

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

AKRITI, 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 2022-23

S.No	Event Name	No. of Participants	Dates of Event	Target Audience	Resource Persons
		No. of Internal Participants			
1	Yoga day	100	21/06/23	Students	Dr. A. S. Reddy, Principal
2	Independence Day	800	15/08/23	Students	Dr. A. S. Reddy, Principal
3	Teacher'sDay	300	05/09/23	Students	Dr. A. S. Reddy,Principal
4	Engineer's Day	250	15/09/23	Students	Dr. A. S. Reddy, Principal

EVENTS GALLERY

WOMEN'S DAY CELEBRATION

TRADITIONAL DAY

INDUCTION PROGRAM