

CMR INSTITUTE OF TECHNOLOGY



Department of Computer Science & Engineering

Program Educational Objectives:

PEO1: To prepare graduates with a strong foundation in engineering, science, technology and an exposure to modern tools, for a successful career in industry, entrepreneurship and computer science research.

PEO2: To produce graduates equipped with knowledge and skills required to analyze, design and develop system solutions for real world problems.

PEO3: To collaborate with industry and professional societies to produce competent computer science professionals.

PEO4: To nurture communication and project management skills of graduates, for them to be good team players and leaders.

PEO5: To produce graduates who are ethical and socially responsible.

PEO6: To produce graduates who are innovative thinkers and life-long learners.

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Department of Computer Science & Engineering

Program Outcomes:

- PO1: Ability to apply knowledge of mathematics, science, and Engineering.
- PO2: Ability to analyze complex problems and develop suitable analysis models.
- PO3: Ability to design systems involving wired and/or wireless computer networks.
- PO4: Ability to design a range of systems and applications involving hardware and software and implementing them in a variety of programming languages within realistic constraints.
- PO5: Ability to conduct systematic investigations of systems during design & development to derive valid conclusions.
- PO6: Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice for developing business applications.
- PO7: Ability to apply the broad education necessary to understand contemporary issues and the impact of engineering solutions in a global, economic environmental and societal context.
- PO8: Understanding of professional and ethical responsibility.
- PO9: Function effectively as an individual, and as a team member, or leader in diverse teams, and in multidisciplinary settings.
- PO10: Ability to communicate effectively in both verbal and written form.
- PO11: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member, as a leader in a team to manage projects and multidisciplinary environments.
- PO12: A recognition of the need for, and an ability to engage in life-long learning.

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Department of Electronics & Communication Engineering Program Educational Objectives (PEOs)

PEO1: Demonstrate, Update and adapt domain knowledge in the area of Electronics and Communication engineering and the allied fields to propose solutions for the core Industry in the ever changing global enterprise with ethical practices.

PEO2: Assume leadership roles and succeed in their chosen career path, in Industry or Public service through Engineering ability, life skills and multidisciplinary skill set acquired.

PEO3: Pursue higher education and research in Institutes of National and Global repute through competitive exams like, IES, GATE, GRE and GMAT, and complementary disciplines.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Vision

To create an ethical human resource proficient in domains related to Electronics and Communication Engineering for a successful career in the service of society

Mission

CMRIT Department of Electronics and Communication Engineering, aims to achieve its vision by reaffirming its commitment to the following:

- M1: Create a staff team with a mixture of people with industrial and academic exposure capable of inspiring, moulding and training young minds into competent professionals and an ethical resource.
- M2: Impart knowledge of domains by equipping laboratories and facilitate experiential learning, experimentation and research based on foundation of science and mathematics.
- M3: Ideate and implement interdisciplinary projects and foster continuous learning in association with students and colleagues across disciplines of the institute.
- M4: Collaborate with academia, industries, organizations and professional bodies for training, consultancy and research.

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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Program Educational Objectives (PEOs)

PEO1: Graduates will be competent with a strong foundation in engineering, science, technology and modern tools to be successful in their career in industry.

PEO2: Graduates will be equipped with knowledge and skills required to analyze, design, implement and test software solutions for real world problems.

PEO3: Graduates will demonstrate the traits of team builders and players with strong communication and interpersonal skills.

PEO4: Graduates will be groomed to manage and lead teams by instilling innovative approach and life - long learning traits in them.

PEO5: Graduates will portray ethical and socially responsible behavior

CMR INSTITUTE OF TECHNOLOGY



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Vision

To empower our students with necessary domain knowledge and professional skills in information technology for a global career to serve the society.

Mission

- M1:** To build a faculty team with industry and academic exposure, capable of empowering and equipping students with necessary domain knowledge.
- M2:** To prepare students for a global career in computing by enriching the curriculum with a blend of theory and practice.
- M3:** To develop industry relevant technical and communication skills with cross cultural sensitivity through training programs, vibrant student clubs and student internships.
- M4:** To engage with industry and institutes of repute and collaborate in academics, research and development involving faculty and students.

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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Program Specific Outcomes (PSOs)

PSO1: Implement and maintain enterprise solutions using latest technologies.

PSO2: Develop and simulate wired and wireless network protocols for various network applications using modern tools.

PSO3: Apply the knowledge of Information technology and software testing to maintain legacy systems.

PSO4: Apply knowledge of web programming and design to develop web based applications using database and other technologies.