



AKSHAYA



COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-An ISO 9001:2015 Certified Institution)
Kinathukadavu, Coimbatore - 642 109.

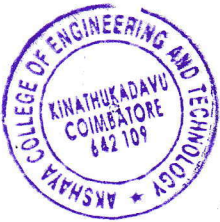
VISION MISSION STATEMENT

VISION

Emerge as a Premier Institute, producing globally competent engineers.

MISSION

- Achieve Academic diligence through effective and innovative teaching-learning processes, using ICT Tools.
- Make students employable through rigorous career guidance and training programs.
- Strengthen Industry Institute Interaction through MOUs and Collaborations.
- Promote Research & Development by inculcating creative thinking through innovative projects incubation.



K.S.J.
14/6/22

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DEPARTMENT OF CIVIL ENGINEERING

VISION AND MISSION

VISION

To produce quality Civil Engineers having domain knowledge embedded with design, analysis and research capability, ethical and moral values, for the welfare of society and humanity.

MISSION

DM 1: To produce knowledge based Civil Engineers by focusing theoretical and practical studies with field orientation.

DM 2: To engage the students in creating design Solutions for real life problems associated with industry and society.

DM 3: To inculcate entrepreneurship culture along with professional ethics among the civil engineering students and also promote use of modern tools and techniques for sustainable economic growth.

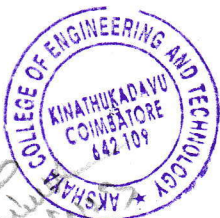
PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO 1: Design Techniques: The graduates will be able to apply the concepts of basic geometrical construction, preparation of plan, design of structural elements, specification, and prepare the estimates.
- PEO 2: Construction Quality & Control: The graduates will be able to build the infrastructure required for the country and apply the tools for quality in construction, cost effective construction materials and methods.
- PEO 3: Leadership: The graduates will be able to work as a member and leader in a team, prepare and present reports, employ project management tools for evaluation and review of projects globally.

B. E (CIVIL) - PROGRAM SPECIFIC OUTCOMES (PSO's)

PSO1: Professional skills: Students shall have skills and knowledge to work on projects on urban and rural housing, infrastructure, environment and sustainability

PSO2: Competency: Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VISION AND MISSION

VISION

Emerge as eminent Centre of learning in Electronics and Communication Engineering to produce engineers, capable of meeting the global challenges through design, development and research, for the welfare of the society and humanity.

MISSION

DM 1: Adopt a systematic and technology enabled teaching-learning process with an ability to contribute for research.

DM 2: Develop electronics and communication engineers with managerial skills and life-long learning practices, for sustainable economic growth, beneficial to the society.

DM 3: Establish centre of excellence in VLSI technologies and Embedded systems and provide a creative environment with industry linked initiatives for encouraging innovation.

Program Educational Objectives (PEOs)

- PEO 1: The graduates will have successful careers in industries or pursue higher studies and research or emerge as entrepreneurs.
- PEO 2: The graduates will be able to apply fundamental and advanced knowledge, skills and techniques in devising innovative products for the benefits of society.
- PEO 3: The graduates will be able to critically analyze existing literature in an area of specialization and research oriented methodologies to solve the problems identified.

PROGRAM SPECIFIC OUTCOMES (PSO's) – BE(ECE)

PSO1: Professional skills: Students shall have skills and knowledge to work on analog and digital systems, adhoc and sensor networks, VLSI, embedded and communication systems.

PSO2: Competency: Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.



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DEPARTMENT OF MECHANICAL ENGINEERING

VISION AND MISSION

VISION

To endeavor the excellence in Mechanical Engineering by producing competent and confident graduates to face the future challenges.

MISSION

- Provide transformative education and improve students' skills to face the global challenges in Mechanical and Allied Engineering.
- Nurture innovation, attitude, creativity, core competency and serve the society through innovative solutions and products.
- Inculcate real world challenges, emerging technologies and endeavor the students to become entrepreneurs or employable.

PROGRAM EDUCATIONAL OBJECTIVES

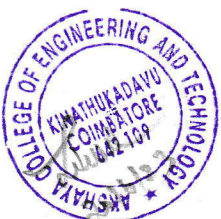
PEO I: Graduates shall excel in the field of design, thermal, materials and manufacturing, as successful engineers or researchers or as entrepreneurs.

PEO II: Graduates will analyze problems, design solutions and develop products as a team member in advanced industrial projects.

PEO III: Graduates shall have professional ethics, team spirit, life-long learning, good oral and written communication skills and adopt corporate culture, core values and leadership skills.

B. E (ME) - PROGRAM SPECIFIC OUTCOMES (PSO's)

- **PSO1: Professional skills:** Students shall understand, analyze, design and develop integrated equipment, thermal devices and composite components manufacturing.
- **PSO2: Competency:** Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.




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DEPARTMENT OF MECHATRONICS ENGINEERING

VISION AND MISSION

VISION

Developing competent Mechatronics Engineers with a focus on employability, research capability, entrepreneurship and human values.

MISSION

DM 1: To adopt transforming teaching-learning strategies in the field of Mechatronics Engineering by providing innovative and value-based education with relevant industrial exposure in basic domain and interdisciplinary areas.

DM 2: To nurture entrepreneurial skills with social and ethical values and develop the students for life-long learning to achieve professional excellence.

DM 3: To provide the facilities for implementation of automation techniques in real-life environment to meet the needs of industry and society.

Program Educational Objectives (PEOs)

- PEO1: The graduates will be able to apply Mechatronics systems and components to promote automation as per the needs of industry and society.
- PEO2: The graduates will be able to pursue higher studies with a specific interest towards research and innovation in Mechatronics and allied areas.
- PEO3: The graduates will be able to nurture ethical values and generate employment for the social and economic development.

PROGRAM SPECIFIC OUTCOMES (PSO's) – BE(ECE)

PSO1: Professional skills: Students shall have skills and knowledge in mechatronics domains like robotics, electronics, computer science, telecommunication, systems, controls and product engineering for innovative products incubation.

PSO2: Competency: Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION AND MISSION

VISION

To develop competent Computer Science Engineers, capable of meeting the challenges in the globalized technological society.

MISSION

DM1: To provide good quality academic and infrastructure environment that would help the students acquire deep knowledge and skills in Computer Science and Engineering.

DM2: To prepare students for careers in IT Industry, encourage Entrepreneurship and mould them to take leadership for the betterment of the society.

DM3: To produce competent graduates with human values, for carrying out research in cutting edge technologies in Computer Science and Engineering.

Program Educational Objectives (PEOs)

PEO 1 : Prospective Career : To exhibit knowledge and skills in the various domain areas of Computer Science and Engineering with an awareness in different disciplines for a prospective career and to undertake novel research as per the needs of the society, government and industries.

PEO 2 : Higher Education : To be strong in fundamentals of Computer Science and Engineering for successfully pursuing higher education and research in reputed institutions.

PEO 3 : Product Development : To apply their knowledge and innovative ideas to design and develop products in interdisciplinary areas for real time problems and to emerge as entrepreneurs

Program Specific Outcomes (PSOs)

PSO 1 : Able to analyze and develop solutions to complex engineering problems in IT such as Operating Systems, Networks, Data Structure, Database Management Systems, Cloud Computing and Mobile computing, to meet the society and industrial needs.

PSO 2 : Able to solve the industry problems with knowledge in recent technology and tools such as Machine Learning, Internet of Things, Oracle, Java Programming etc with good team skills and ethical values.



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