Computer Science & Engineering PEO's

PEO1 – To make the students understand and implement the engineering concepts in multiple domains.

PEO2 – To provide knowledge based services so as to meet the needs of the society and industry by usage of modern tools.

PEO3 – To understand engineering processes for design and development of software components and products efficiently for improving employability.

PEO4 – To educate students in disseminating the research findings to create interest for higher studies.

PEO5 – To inculcate knowledge with due consideration for ethical and economic issues.

Computer Science & Engineering PO's

Engineering Graduates will be able to:

1. Mathematical Foundation of Computer Science, C-Language, Probability & Statistics, Electronic Devices & Circuits, Computer Organization, Principles of Programming Languages, LINUX,SE,CD,MEFA,DS,IS,OOAD,CC,IRS,MS

2. Digital Logic Design, Software Engineering, OS, WT, MC

3. JAVA, Database Management System, Computer Networks ,Operating Systems, Web Technologies , Object Oriented Analysis & Design, Ad-hoc Sensor Networks, SE, OOAD, CC.

4. Formal Languages & Automata Theory ,Design & Analysis of Algorithm ,Data Structures, Compiler Design ,Distributed Systems ,Data warehousing & data mining, Cloud computing.

5. Software Testing & Methodologies, Design Pattern, Web Services, IS.

6. Information Security.

7. Environmental Science.

8. Intellectual property & rights.

9. Mini & major Projects.

10. Advanced English Communication Language.

11. Managerial Economics & Financial Analysis, Management Science

12. Projects.

Computer Science & Engineering PSO's

PSO1: Professional Skills: The ability to understand, analyze and develop computer programs in the areas related to algorithms and System Software.

PSO2: Problem Solving Skills: The ability to apply standard practices and strategies in software project development to deliver a quality and defect free product.

PSO3: Employability Skills: The ability to employ modern computer languages and technologies, so as to be industry ready and for better employability and research.

Electronics and Communications Engineering PEO's

PEO1 – To develop the students knowledge in core and allied electronics and communication.

PEO2 – To train the students in usage of modern tools which leads to realize a system in virtual environment.

PEO3 – To provide enough training to ensure their higher education and employability in the reputed industry.

PEO4 – To enhance Research and Development of the students and to appraise them in the latest trends of project management skills to work individually as an entrepreneur.

PEO5 – To inculcate ethical practices, dynamic leadership qualities and effective communication skills.

Electronics and Communications Engineering PO's

Engineering Graduates will be able to:

PO.1.Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO.2.Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO.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 the public health and safety, and the cultural, societal, and environmental considerations.

PO.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.

PO.5.Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO.6.The engineer and society: 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.

PO.7.Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO.8.Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO.9.Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO.10.Communication: Communicate effectively on complex engineering activities with the engineering community and with 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.

PO.11.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.

PO.12.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.

Electronics and Communications Engineering PSO's

PSO1: The graduates will be Equipped with knowledge of complete design flow from specification to silicon in areas of both digital and Analog VLSI Design and will be able to work in IC Design companies.

PSO2: The graduates will be Equipped with microprocessor and Microcontroller based system design skills and can work as design and verification engineers in the area of Embedded Systems Design.

PSO3: The graduates will be able to apply engineering knowledge for design and implementation of projects pertaining to signal processing and Communications.

Mechanical Engineering PEO's

PEO1 – To impart knowledge of mathematics and physical sciences and fundamentals as well as advances in Mechanical Engineering and interdisciplinary subjects to solve engineering problems.

PEO2 – To train on appropriate tools for modeling, simulation, analysis and design of Mechanical Engineering systems.

PEO3 – To organize industrial visits, workshops and guest lectures by experts and industry personnel, and to ensure close interaction with industry.

PEO4 – To train for good communication skills and knowledge on social ethics and management principles to function effectively in diverse multidisciplinary environments.

PEO5 – To engage in independent and lifelong learning process to cope with the needs of technological changes.

Mechanical Engineering PO's

Engineering Graduates will be able to:

1. Engineering Mechanics, Electrical and Electronics Engineering, Mechanics of Solids, Thermo dynamics, Fluid Mechanics and Hydraulics Machinery, Thermal Engineering-I, Thermal Engineering II, Kinematics of Machinery, Dynamics of Machinery, Design of Machine of Members I, Design of Machine Members II, Heat Transfer, Metallurgy & Materials Science.

2. Engineering Physics, Engineering Chemistry, Maths-I, Maths-II, Probability &Statistics, Operations Research.

3. Environmental Science, Engineering Drawing, Machine Drawing, Production Drawing Practice, Production Technology, Engineering Metrology, Machine Tools, Automobile Engineering, Refrigeration and Air conditioning, Power Plant Engineering, Instrumentation & Control Systems, Unconventional Machine Processes, Plant Layout and Material Handling, Renewable Energy Sources.

4. Computer Programming.

5. Finite Element Method, CAD/CAM, ROBOTICS.

6. English.

7. Environmental Studies.

8. Human Values and Professional Ethics.

9. Project Work, lab work.

10. English.

11. Managerial Economics and Financial Analysis, Production Planning and Control

12. Project work.

Mechanical Engineering PSO's

PSO1: The Graduate will be equipped with the knowledge in the areas of Design and Development of equipment using software tools such as Auto CAD, ProE, and ANSYS.

PSO2: The Graduate will be equipped with the knowledge of Design and Development of Power Plants, Refrigeration and air conditioning, and other thermal engineering equipment conservation of energy and explore alternate sources and methods of power generation.

PSO3: The Graduate will be able to apply Engineering knowledge related to advanced materials and their applications Develop advanced metallic polymer composite materials and apply new methods of manufacturing to meet changing technology.