The PEO ,PSO and PO's of B.Tech (CSE) programme

PEOs

PEO 1. To impart foundations of applied science and engineering subjects in order to apply, analyze and solve problems in computational aspects.

PEO 2. To inculcate ability in creativity and design of computer support systems and impart knowledge and skills to analyze, design, test and implement various software applications.

PEO 3. To strengthen higher education , research, prepare for globally acclaimed competitions, imbibe in civic-leadership qualities and to trigger social, ethical, holistic and behavioral approach.

PSO

PSO 1. Problem Solving Skills: Ability to design and develop computing tools with moderate complexity in the areas pertaining to database, data analytics, networking, web and app design, IoT and information security with integration.

PSO 2. Professional Skills: Ability to apply standard practices and methods in software project management and software development using suitable programming environments to deliver quality product to the industry.

POs

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, review 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 in multidisciplinary environments.

PO 12:Life-long learning: 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 in multidisciplinary environments.

The PEO ,PSO and PO's of B.Tech (ECE) programme

PEOs

PEO1: Preparation: To strengthen the learners with fundamental knowledge in the concepts of Engineering Mathematics, Applied Science and Basic Electronics Engineering subjects for problem analysis, comprehend to develop solutions for new hardware, software, and other tools in Electronics & Communication Engineering field.

PEO2: Core Competence: To enable the learners with core curriculum knowledge in theory and practical of Electronics & Communication Engineering to develop the innovative skills, critical analysis, design, simulation, investigation of complex problems, reasoning, development & testing knowledge for offering solutions to real time problems related to globally evolving techno-corridor developments of Electronics & Communication Engineering.

PEO3: Breadth Knowledge: To enable the learners with breadth knowledge to build the Electronics & Communication Engineering professionals to have the team work and skills for developing communicative abilities, lifelong learning and aptitude of project management & finance with entrepreneurial values for rural development.

PEO4: Advanced Professional Knowledge: Implementation of the multi-disciplinary approach, development of the R&D skills by MOUs with premier industries and institutions, interacting with training sessions and industrial visits to the learners to have awareness in latest trends of Communication, Networks, Signal processing etc.with the modern tools and modules compatible to escalating needs of the society.

PEO5: Career Development and Ethics: To enable the learners with the aptitude of competitive knowledge of real-time requirement of cutting edge technologies for promoting employability, higher education by imbibing ethical, social and eco friendly values.

PSOs

PSO1: Apply Enginering principles to solve the problems of Communications and Signal Processing area.

PSO2: To use advanced tools to design and analyze the problems of VLSI & Embedded

POs

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: 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.

PO4: 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 conclusion

PO5: 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.

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PO11: 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.

PO12: 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.

The PEO ,PSO and PO's of B.Tech (EEE) programme

PEOs

PEO1. Students shall be engaged in Ongoing Learning and Professional Development through Continuous Education in Electrical and Electronics Engineering and also in the fields related to Electrical Engineering

PEO2. Students shall be adapting Updated Knowledge, Exhibiting Critical Thinking Skills and Problem Solving Skills in Professional Engineering Practices to tackle the Technical Challenges for the benefit of the Society

PEO3. Students shall sustain in supportive and leading roles by improving good communication skills and by developing social ethical values

PSOs

PSO1. Graduates are capable to demonstrate their logical & technical skills in analysing various electrical systems

PSO2. Graduates can transform & provide solution ethically & professionally for societal and environmental related Electrical Engineering problems

POs

P01 Engineering Knowledge: Apply the knowledge of Mathematics, Science, Engineering Fundamentals, and an Engineering specialization to the solution of complex engineering problems.

P02 Problem Analysis: Identify, Formulate, Review Research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

P03 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

PO4 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.

PO5 Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modem engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

P06 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.

P07 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.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 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.

P011 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.

P012 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.

The PEO ,PSO and PO's of B.Tech (CIVIL) Programme

PEOs:

PEO1: Provide Engineering design solutions for the real world problems in Structures, Environmental, Geotechnical, Constructional planning and techniques, Water resources, Remote Sensing and Transportation Engineering domains of Civil Engineering.

PEO2: They will succeed and excel in their chosen professional practice/research and enroll/pursue higher education in the reputed Institutions of India and Abroad from the field of Civil Engineering.

PEO3: Make ethical decisions and demonstrate a commitment to the profession bodies and society.

PEO4: Acquire a position that values adaptability and innovation in their profession.

PEO5: Demonstrate leadership, both in their chosen profession and in other social responsibilities.

PSOs:

PSO1: To enhance the employability skills by making the students good in codes of practice, materials, techniques and Softwares.

PSO 2: To develop and design sustainable and smart infrastructure considering the global environmental challenges.

PSO 3: The graduates will be able to work effectively as an individual or in a team having acquired leadership skills and manage projects in multidisciplinary environments.

POs

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, review 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, along with 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
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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.

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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.

The PEO ,PSO and PO's of MBA programme

PEOs

PEO1: Transform students as effective professionals.
PEO2: Develop professional skills among the students.
PEO3: Equip the students to adapt to a rapidly changing environment.
PEO4: Provide the students with an educational foundation that prepares them for excellence

PSOs

PSO1: Students should exhibit their knowledge of Management principles.

PSO2: Students should demonstrate their critical-thinking and problem solving skills.

PSO3: Students should manifest their leadership qualities.

PSO4: Students should prove an awareness of their own values.

PSO5: Students should show a sense of responsibility.

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.

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