

Program outcomes (POs)

Engineering Graduates will be able to:

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 conclusions.

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.

PO6. 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.

PO7. 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.

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.



Program Specific Outcome (PSO) of Computer Engineering Department

Computer Engineering graduates will be able to:

PSO1: To exhibit competency in emerging technologies like Block chain, Artificial Intelligence and Data Science, Data analytics and Cloud services driven computational procedures.

PSO2: To acquire the ability to work in multidisciplinary environment while demonstrating leadership skills with effective communication and adapt to nascent technologies for self and lifelong learning.



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Program Specific Outcome Department of Information Technology Department

1. Graduating students will be having competencies in applying computational technologies and practices in solving real life problems with scholastic understanding of basic sciences and mathematics.
2. Graduating students will be equipped with proficiency in system analysis, modelling and software development leveraging their knowledge in database systems, computer networks, information and network security, cloud computing and data analytics.
3. Graduating students will be demonstrating their competency in carrying out collaborative projects with their proficiency in developing user interface, software architecture, software testing and licensing regime
4. Graduates shall be treated as a human capital evolving as professional to contribute to national GDP and mankind at large.



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Program Specific Outcome Department of Chemical Engineering Department

PSO1: Graduates will apply knowledge of basic engineering sciences in the field of chemical engineering to create sustainable products and process.

PSO2: Graduates will have propensity to design and develop new and existing chemical operation and process based on standard specification.

PSO3: Graduates will be able to use advanced computational and design techniques in chemical engineering field.

PSO4: Graduates will become successful professionals (in industry, government, academia, research, entrepreneurial pursuit and consulting firms) with excellent communication & scientific skills, integrity, ethics and will work for the betterment of society by focusing on environmental, societal and industrial issues.



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Program Specific Outcome Department of Artificial Intelligence & Data Science Department

PSO1: An ability to design and develop Artificial Intelligence technology in broad application areas from machine vision to advanced autonomous systems.

PSO2: ability to design and develop Data Science methods for analyzing huge datasets to uncover hidden patterns, correlations, insights, and help organizations to identify exciting opportunities.



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Disseminating (POs), (PSOs) and (COs): The POs, PSOs and COs are disseminated through various means.

The screenshot shows a web page titled "Program Specific Outcomes (PSOs)" and "Program outcomes (POs)".

Program Specific Outcomes (PSOs):

- PSO1: An ability to design and develop Artificial Intelligence technology in broad application areas from machine vision to advanced autonomous systems.
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Navigation menu on the right: Time-Table, Newsletters, Academic Calendar.

The screenshot shows a web page titled "Second Year Engineering" and "Third Year Engineering".

Second Year Engineering

SEMESTER III

- Engineering Mathematics III
- Electronic Devices and Circuits
- Digital System Design
- Network Theory
- Electronic Instrumentation and Control System
- C++ and Java Programming

SEMESTER IV

- Engineering Mathematics IV
- Microcontrollers
- Linear Integrated circuits
- Signals & Systems
- Principles of Communication Engineering
- Python Programming

Buttons: Download Syllabus (for both semesters)

Third Year Engineering

SEMESTER V

SEMESTER VI

Navigation menu on the right: About Department, About Programme, Faculty Profile, Department Advisory Board, Placement Details, Result Analysis, Curriculum, Facilities, Time-Table, Research Publications, Academic Calendar.



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