

Eshan College of Engineering

(Approved by AICTE, New Delhi, Affiliated to Dr. A.P.J Abdul Kalam Technical University, Lucknow)


Sahzadpur Pauri, NH-2, Agra-Mathura Highway, Mathura-281122, Uttar Pradesh

Website: www.eshancollege.com



Photographic images showing communication of Vision, Mission, POs, PSOs, POs to all stakeholders by displaying on walls of laboratories, classrooms, seminar hall, conference hall, offices in the college

www.esnancollege.com



ESHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow)
 Subsector: Power, 110/2, Agra-Mathura Highway, Mathura (281122), Uttar Pradesh

Department of Computer Science & Engineering

Program Educational Objectives (PEOs)


The PEOs of B.Tech. Computer Science & Engineering programme are:

PEO 1: To groom the graduates of the programme for logical and practical approach to problem solving and function effectively as skilled computer professional sensitive enough to continuously changing customers needs with a well-balanced preparation in engineering fundamentals and practical application.

PEO 2: To enable the graduates of the programme to work in multicultural and multidisciplinary teams for effective problem solving and understand the need of cost effectiveness and sustainability.

PEO 3: To enable the graduates of the programme in applying basic principles and practices of computing grounded in mathematics and science for successfully completing projects & engage in research.

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Department of Computer Science & Engineering

Program Specific Objectives (PSOs)

At the completion of B.Tech Computer Science & Engineering programme, our:

PSO 1: Graduate will be able to apply theoretical and practical knowledge of computer science to develop solutions to the real time problems.

PSO 2: Graduate will be able to apply and demonstrate the acquired knowledge of computer science and engineering in response to emerging trends and contemporary technologies of the field.

TEACHERS
 encourage
 minds to Think
 hands to Create
 & Hearts
 to love

Education
 Movement
 from Darkness
 To Light.



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Subodhpur Road, Noida-20, Agra-Mathura Highway, Mathura-281122, Uttar Pradesh


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Department of Computer Science & Engineering

Program Outcomes (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 modelling 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.

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 Subsequent Park, Noida-201308, Uttar Pradesh

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Department of Electrical Engineering

Program Outcomes (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 modelling 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.
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Department of Electrical Engineering

Vision of the Department

To produce globally competent and socially sensitized electrical engineers with strong commitment towards societal development.

Mission of the Department

- To prepare engineering graduates with sound fundamental knowledge of Electrical Engineering by providing quality education through excellence in teaching-learning blended with practical engineering skills.
- To provide conducive, academic, and social environment to groom our graduates as socially acceptable citizens.
- To provide state of art infrastructure and technologies for students to meet the global emerging challenges through collaborations with academia and research organizations and industry-institute relationship.



**Arise! Awake!
and stop not until
the goal is reached.**



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