



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Programme Computer Science & Engineering

Vision & Mission

The screenshot shows the website's header with the Aditya Engineering College logo and navigation links. The main banner features the text "Makes our World Smaller & our Future Brighter" and "COMPUTER SCIENCE ENGINEERING". Below this, the "Department of Computer Science & Engineering" is highlighted. The "Our Vision" section states: "To become a competent centre of excellence in Computer Science and Engineering to meet the needs". A "Quick Links" sidebar on the right lists: About, Our Vision (selected), Our Mission, Programmes offered, PO, PSO, and PEO. The footer includes a "WhatsApp" icon, "APPLY FOR ADMISSIONS" button, and "Join Today" button.

Vision

This screenshot is similar to the previous one but highlights the "Our Mission" section. The "Our Vision" text remains the same. The "Our Mission" section lists four points: M1: impart quality and value based education; M2: Inculcate the inter personal skills and professional ethics; M3: Enable research through state-of-the-art infrastructure; M4: collaborate with industries and communities. The "Quick Links" sidebar and footer are also visible.

Mission

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SURAMPALAM - 533 437



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Program Outcomes (POs)

Department of Computer Science & Engineering

PROGRAM OUTCOMES

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

PO 2:
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 solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations

PO 4:
Conduct investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions

PO 5:
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.

Quick Links

- > About
- > Our Vision
- > Our Mission
- > Programmes offered
- > PO
- > PSO
- > PEO
- > Faculty / Supporting Staff
- > Advanced Learners and Slow Learners
- > Facilities
- > Student Club
- > Newsletters
- > Laboratories

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PO 6:
Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice

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

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

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

PO 10:
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:
Demonstrate knowledge and understanding of engineering management principles and apply these to one's own work, as a member and leader in a team and to manage projects in multidisciplinary environments

PO 12:
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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Program Specific Outcomes (PSOs)

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Makes our World Smaller & our Future Brighter
COMPUTER SCIENCE ENGINEERING

Department of Computer Science & Engineering

PROGRAM SPECIFIC OUTCOMES

PSO 1:
Develop efficient computerized solutions to real world problems through the application of principles in Data structures, Analysis of algorithms, Computer Networks, DBMS, Software Engineering and Object Oriented Analysis and Design

PSO 2:
Apply the knowledge in Data mining, Cloud Computing, Artificial Intelligence, Machine Learning and Big Data Analytics to infer, predict or prescribe data centric business solutions.

Quick Links

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- > **PSO**
- > PEO
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- > Advanced Learners and Slow Learners

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Program Educational Objectives (PEOs)

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Makes our World Smaller & our Future Brighter
COMPUTER SCIENCE ENGINEERING

Department of Computer Science & Engineering

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1:
Adopt to new technologies and provide innovative solutions in the field of Computer Science and Engineering

PEO 2:
Employed in industries/public sector/research organizations or work as an entrepreneur

PEO 3:
Demonstrate interpersonal and multi disciplinary skills to achieve organization goals and serve society with professional ethics

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