



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: Petroleum Technology

Vision & Mission

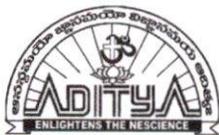
The screenshot shows a web browser window with the URL aec.edu.in/tp=PT#tab4. The page header includes the Aditya Engineering College logo, contact information (+91 99498 76662, office@aec.edu.in), and navigation links (APT Logic, CRT, TRACS 2023, ICISMT 2022). The main banner features the text "Oil field Life is our way of Life only the strong survive PETROLEUM TECHNOLOGY" over an image of students in a laboratory. Below the banner, the "Department of Petroleum Technology" section is titled "Our Vision". The vision statement reads: "To attain recognition in research and equip students for meeting the challenging needs of petroleum, allied industries and society". A "Quick Links" sidebar on the right lists: About, Our Vision (highlighted), Our Mission, Programmes offered, PO, PSO, and PEO. At the bottom, there is a "APPLY FOR ADMISSIONS Join Today" button and a Windows taskbar showing the date 17-10-2022 and time 17:22.

Vision

The screenshot shows a web browser window with the URL aec.edu.in/tp=PT#tab5. The page header is identical to the previous screenshot. The main banner is the same. Below the banner, the "Department of Petroleum Technology" section is titled "Our Mission". The mission statement lists three points:
M1: To provide excellent instruction and design experience essential for Petroleum Engineers to enter the practice of petroleum engineering and pursue life-long professional development.
M2: To conduct research that develops, communicates, and applies new knowledge for the betterment of society
M3: To foster a spirit of service and leadership among students and faculty and assist the public in addressing issues concerning the use of resources, protection of the environment, and development of infrastructure
The "Quick Links" sidebar on the right lists: About, Our Vision, Our Mission (highlighted), Programmes offered, PO, PSO, PEO, Faculty / Supporting Staff, Advanced Learners and Slow Learners, and Facilities. At the bottom, there is a "APPLY FOR ADMISSIONS Join Today" button and a Windows taskbar showing the date 17-10-2022 and time 17:22.

Mission

PRINCIPAL
ADITYA ENGINEERING COLLEGE
SURAMPALAM - 533 437



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Program Outcomes (POs)

Department of Petroleum Technology

PROGRAM OUTCOMES

PO 1:
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 modelling, to complex engineering activities, with an understanding of the limitations

Quick Links

- About
- Our Vision
- Our Mission
- Programmes offered
- PO
- PSO
- PLO
- Faculty / Supporting Staff
- Advanced Learners and Slow Learners
- Facilities
- 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

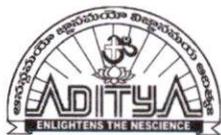
PO 11:
Demonstrate knowledge and understanding of engineering management principles and apply these to one's own work, as a member and leader in a team and to manage projects in multidisciplinary environments.

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)

Oil field Life is our way of Life only the strong survive
PETROLEUM TECHNOLOGY

Department of Petroleum Technology

PROGRAM SPECIFIC OUTCOMES

PSO 1:
Be proficient in integrating basic sciences with upstream, downstream and management to oil and gas industry

PSO 2:
Evaluating petroleum systems through various available resources during exploration, production, transportation and distribution of oil and gas.

Quick Links

- > About
- > Our Vision
- > Our Mission
- > Programmes offered
- > PO
- > **PSO**
- > PEO
- > Faculty / Supporting Staff
- > Advanced Learners and Slow

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Program Educational Objectives (PEOs)

Oil field Life is our way of Life only the strong survive
PETROLEUM TECHNOLOGY

Department of Petroleum Technology

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1:
Be successful in diverse career paths in the petroleum and allied industries.

PEO 2:
Enhance problem-solving skills that involving designing and interpretation of data.

PEO 3:
Continue professional development and lifelong learning.

Quick Links

- > About
- > Our Vision
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- > PSO
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