

ENERGY Newsletter

VOLUME – 11

ISSUE – 2 (SEP-NOV)

2021-22

DEPARTMENT OF PETROLEUM ENGINEERING



ADITYA ENGINEERING COLLEGE(A)

APPROVED BY AICTE NEW DELHI AND AFFILIATED TO JNTU KAKINADA

ABOUT PETROLEUM DEPARTMENT

The four years degree course in Petroleum Technology by the institute is permanently affiliated to Jawaharlal Nehru Technological University, Kakinada and is accredited by AICTE. Over 400 hundred graduate and postgraduate students have been graduated from this department since 2014 and are working at different positions in Petroleum Industry in India and abroad with great distinction.

B.Tech (Petroleum Technology) is a four-year course of eight terms permanently affiliated to JNTU Kakinada and is accredited by the National Board of Accreditation, New Delhi. The program covers courses related to components in Petroleum Industry including Petroleum Geology, Petroleum Exploration, well logging and Formation Evaluation, Reservoir Engineering, Petroleum Production Engineering, Well Engineering, Drilling Technology, enhanced oil recovery, Coal Bed Methane Engineering, Health safety and Environment and Petroleum Refining and Petrochemical Engineering. Elective subjects like unconventional hydrocarbon resources, Natural Gas Hydrates, Reservoir Simulation, Liquefied Natural Gas, Pipeline Engineering, petroleum economics and transportation of oil and gas are introduced in the curriculum of final year of petroleum Technology. The students are encouraged to participate in different co-curricular activities organized at national and international level. They are also exposed to internship/ summer training at the end of sixth term for duration of Four weeks. An industrial exposure gives them understanding of working environment and challenges in Petroleum Industry.

In addition, The department also offers a post-graduate course of Masters in Technology, Petroleum Engineering (MTech) affiliated to Jawaharlal Nehru Technological University, Kakinada. This Program is aimed at developing expertise in petroleum engineering with an aptitude towards research and development work. Professionals in the industry find it useful to improve upon their academic qualifications for better prospects. It also helps graduates of other disciplines to convert themselves as petroleum engineers. The course work and dissertation work is highly demanding. Therefore, candidates are advised to get acquainted with the curriculum and nature of study expected before opting for this course.

- Students who have qualified GATE/PGCET Examination are given preference.
- Eighteen seats are sanctioned for this course; out of which 3 seats are reserved for SC/ST category and 5 seats are reserved for students sponsored by various Institutes / Industrial Organizations.

The first and second semester of M.Tech (Petroleum Engineering) comprises advanced courses in Petroleum Geology & Reservoir Engineering, Drilling Engineering, Production Engineering, Advanced Mathematical and Statistical Methods applicable to Petroleum Engineering, Transportation of Oil and Gas in Petroleum Engineering, Artificial Lift Methods, Operational Aspects of Well Testing, Advanced Natural Gas Engineering, Process Safety and Environment Aspects, Reservoir Simulation with Computer Applications and two elective subjects related to Petroleum Engineering. The third and fourth semester of M.Tech. (Petroleum Engineering) is devoted to seminars and dissertation. The students are required to deliver total three seminars (one seminar every semester for every student) starting from the second semester. Every student has to undergo training in the petroleum industry.

VISION OF THE DEPARTMENT

To induce higher planes of learning by imparting technical education with international standards, applied research, creative ability and value sed instruction to emerge as a premier institute.

MISSION OF THE DEPARTMENT

MISSION 1

Achieving academic excellence by providing globally acceptable technical education by forecasting technology through

- Innovative research & development
- Industry institute interaction
- Empowered manpower

MISSION 2

To attain recognition in research and equip students for meeting the challenging of petroleum, allied industries and society.

MISSION 3

H1: To provide excellent instruction and design experience essential for petroleum engineers to enter the practise of petroleum engineering and pursue lifelong professional development.

H2: To conduct research that develops, communicates and applies new knowledge for the betterment of society.

H3: to faster a spirit of service and leader ship among students and faculty and assist the public in addressing the issues concerning the use of resources, protection of the environment, and development of the infrastructure.

STUDENT ACTIVITIES

RED CROSS SOCIAL ACTIVITIES

Red cross unit in our college performs many social activities. Students from petroleum department play vital role and had a major part in red cross social activities. The main social activities like Blanket distribution and Food distribution were done by our students .



VACCINATION DRIVE

In the month of October, the social clubs in our college (Aditya LEO club, Red Cross and NSS unit) had successfully conducted the mega vaccination drive in our college. In this event students from our department have contributed an active role and successfully vaccinated 365 people, with the support of our area health volunteers.



Leo Club Installation Event

In the month of November, Aditya Leo club held its new body installation for Leonistic year 2021-2022. The active students have been elected to various positions in the Leo club. Students from Petroleum Department contributed major and active role in the club.




PLACEMENTS

#AdityasPride

ADITYA
ENGINEERING COLLEGES
Surampalem, Andhra Pradesh, INDIA

FRONT
RUNNER
IN 2022
PLACEMENTS

Congratulations
for being placed in **LTI**
Let's Solve



K SREEVISHNU (AEC - PT)



A SURESH (AEC - PT)



B L S NARAYANA REDDY (ACOE - PT)

with CTC of **5** LPA

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STUDENTS

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