



## 3 YEARS DIPLOMA/6 YEARS DUAL DEGREE IN **PETROCHEMICAL ENGINEERING**

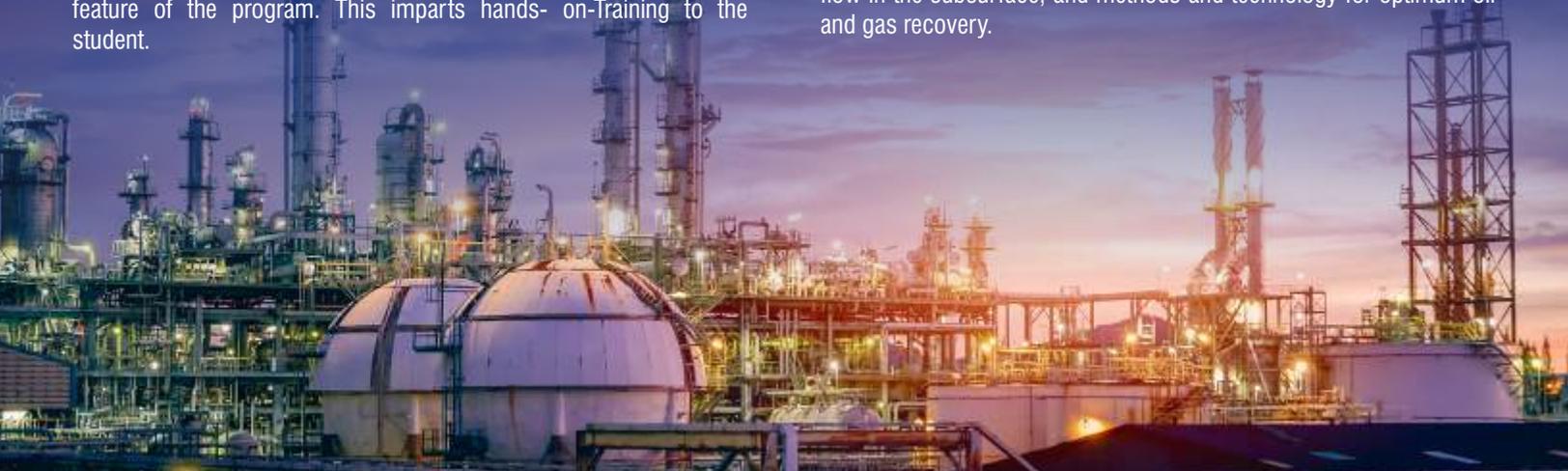
### ABOUT US

Petrochemical Engineering Diploma Course is perfect blend of Petroleum, Petrochemical and Chemical Engineering. It has been framed keeping in mind the current trends and technological growth in industries. The course deals with various aspects of Chemical, Petrochemical and Petroleum Industry. It not only covers the core Chemical engineering subjects but also covers Petroleum Refining and Petrochemical manufacture aspects. Petrochemical Engineering Department was started with an aim to provide eminence education in Petrochemical Engineering to the contender students admitted to the program. It also makes them set for exigent placement in Petroleum refining, Petrochemical, Chemical Industries of varied sectors like , Fertilizers, Heavy Chemicals, Polymers, Dyes and Intermediates, Bulk Drugs, Pollution Control etc. The inherent Industrial training as a part of academic structure is the unique feature of the program. This imparts hands- on-Training to the student.

### LEARNING OUTCOME

The Petroleum Engineering study programme includes drilling, production and reservoir engineering and petrophysics. These technologies have the common aim of contributing to optimal production and treatment of hydrocarbons and water from reservoirs and eventually transport of stabilized oil and gas, in addition to the important contributions of drilling to the exploration phase.

Drilling technology includes studies of rock properties and rock mechanics, drilling equipment, drilling fluids, and well construction. Production technology includes fluid inflow to wells and through wells to the surface, processing of oil, gas and water at platforms, floaters and on the seafloor, plus choice and mode of operation of equipment for transport from the well. Reservoir engineering and petrophysics includes description of rocks and fluids, the physics of flow in the subsurface, and methods and technology for optimum oil and gas recovery.



## KEY FEATURES OF THE DEPARTMENT

- Experienced faculty members and best teaching learning paradigm.
- Continuous updating of curriculum to cater the needs of industry.
- Department encourages and prepares the students to participate in various National and International events such as paper presentation, project competition, poster presentation.
- Extracurricular activities, regular industrial visits, hand-holding of the needy students through mentors.
- University offers plethora of courses as audit courses that allow an individual to work on his/her dream.
- Regular workshops and seminars by Industry experts to share latest updates regarding recent trends and technologies. Wi-Fi Facilities enabling students to access the internet.
- Regular teaching-learning activities

## KEY FEATURES

- The 3 Year DIPLOMA ENGINEERING Programme in PETROCHEMICAL ENGINEERING is based on integrated approach of relevant basic sciences and engineering and Oil & Gas industry technology operations and emphasis in the application of these knowledge base to exploration, drilling, production, reservoir engineering, pipeline engineering refinery operations, LNG value chain, petrochemicals and gas processing.
- After completion of diploma PCT, students can take admission directly in 3rd semester of degree engineering courses like Chemical Engineering or Petroleum Engineering.
- Students in the petroleum engineering program will be taken on a holistic journey of the entire value chain starting from exploration of hydrocarbons to the supply of petroleum products to end users. Keeping this in mind the bifurcation of Upstream and Downstream is carried out.
- The major subjects covered in the curriculum of PETROLEUM UPSTREAM are Reservoir Engineering, Operation and Production Engineering, Drilling and Well Completion, Enhanced Oil Recovery etc.
- The major subjects covered in the curriculum of PETROLEUM DOWNSTREAM are Processing, Marketing and distribution of crude oil and natural gas & its by-products, Refining



## STUDENTS MAKE THEIR BRIGHT CARRIER WITH FOLLOWING COMPANIES IN INDIA

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Aerial walk-through of University Campus  
 (300 acres lush green campus)