



AMET

ACADEMY OF MARITIME EDUCATION AND TRAINING

(Deemed to be University Under Section 3 of UGC Act 1956)

**Department of Petroleum Engineering
&
Human Resource Development Centre(HRDC)**
organize

Six Days Faculty Development Programme on

INTRODUCTION TO PETROLEUM ENGINEERING

13th – 18th December 2021



Registration Link



Google Meet Link



ACCREDITED WITH
A GRADE



ACCREDITED



ज्ञान - विज्ञान विमुक्तये



विद्यया ऽ मृतमश्नुते



ARIIA

ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

Academy of Maritime Education and Training (AMET)

(Deemed to be University)

#135, East Coast Road, Kanathur, Chennai - 603 112

Tamil Nadu, India

Website : www.ametuniv.ac.in

ABOUT THE UNIVERSITY

AMET is India's first Deemed to be University in Maritime Education which is ranked as 3rd among Maritime Universities of the World in the PIMET (Performance Indicators in Maritime Education and Training) Ranking of International Association of Maritime Universities (IAMU). Established during 1993, AMET's uncompromising strides of excellence in the field of maritime education and training laced with its capacity to feed the global shipping industry with an unrivalled maritime human resource secured it to have many national and international recognitions, rankings such as NIRF, ARIIA, DGS-CIP, PIMET and accredited by NAAC 'A' Grade.

Vision :

To sustain identity as a World Class Leader in Maritime Education and empower learners with wholesome research and development which will render students a unique learning experience and a transformation impact on the Global Society.

Mission :

AMET will strive continuously to

1. Impart value-based higher education and technical knowledge with uncompromising strides of an outstanding quality.
2. Emerge as a Centre of Excellence inculcating skill development in recent technologies in accordance with industrial trends.
3. Create World class research capabilities on par with the finest in the world and broaden student's horizons beyond classroom education.
4. Nurture talent and entrepreneurship to enable all round personality development among students.
5. Empower students across socio economic strata.

ABOUT THE DEPARTMENT

The Department of Petroleum Engineering, established in 2008, offers Graduate, Post Graduate and Ph.D. Programmes with the objective of providing skilled workforce to the upstream petroleum industry, research orientation to the students to serve in academic institutions and offer opportunities for developing technologies and innovation in the areas of exploration, exploitation, refining and marketing of petroleum and petroleum products.

The department is equipped with well qualified and industry experienced faculties. The knowledge on the basic principles of petroleum formation, concepts and methodologies in locating the resources in the subsurface, physics and chemistry of oil and gas, various methods and types of drilling operations, hydraulics & equipment, formation evaluation, wire line logging, reserves estimation, testing and production methods, reservoir modelling, simulation and management, hazards, risks and environmental concerns and their mitigation methods, refining processes, petroleum economics, Financial aspects, project management and decision analysis aspects.

Vision :

To be a world class provider of education, research and new technologies to Oil and Gas Industries.

Mission :

To have a high-quality curriculum in Petroleum Engineering that disseminates knowledge in the discovery, extraction, development and production of hydrocarbons and economic minerals and rocks.

To offer opportunities for developing technologies and innovation in the Petroleum fields.

To create the awareness about the challenges of operational hazards in the areas of health, environment, safety and security.

To have collaboration with researchers, industry, government and the community for sharing the knowledge.

To prepare Petroleum Engineers for lifelong learning and capable of being productive contributors for the Petroleum industries.

PROGRAMME OBJECTIVES

The primary objective of the Faculty Development Training Programme (FDTP) is to explain the basics of “Introduction on Petroleum Engineering” to faculty members of various technical institutions. This will equip the Faculty Members to teach the subject better and also enable them

- To learn the fundamental concepts of petroleum engineering
- To know the mechanism of oil formation, generation and accumulation.
- To study the production of hydrocarbons
- To understand the transportation of hydrocarbons, gas hydrates and developing models

PROGRAMME CONTENT

The following topics will be covered

- Drilling Engineering
- Natural Gas Engineering
- Gas hydrates
- Drilling Fluids
- Rheology of complex Materials
- Thermal enhanced oil Recovery
- EOR using Microbes
- Petroleum Exploration

RESOURCE PERSONS

Experienced faculty members from Premier Institutions/ Industrial experts will deliver the lectures.

To prepare Petroleum Engineers for lifelong learning and capable of being productive contributors for the Petroleum industries.

REGISTRATION

- There is No Registration Fee.
- Preference will be given to young and dynamic faculty members from all Universities.
- Selection will be made on first come first serve basis and is limited to thirty faculty members.
- Selected Candidates will be intimated through E-mail only.
- If selected, faculty members should attend the training program in full.
- Certificates will be issued to candidates who attend the program in full by AMET University, Chennai.

Registration Link:

<https://forms.gle/RTApLCKrWacFefQw7>

Google Meeting Link:

meet.google.com/zwm-fiye-dud

The certificate shall be issued to the participants who have 80% attendance.

RESOURCE PERSON DETAILS AND SCHEDULE FOR FACULTY DEVELOPMENT PROGRAMME

Inaugural Address : **Dr. M. Jayaprakashvel**, Registrar (i/c), AMET

Time : 9.45 am

Welcome Address : **Dr. T. Nagalakshmi**, Professor, HOD

DAY – 1, 13th December 2021	
TOPIC: "Thermal Enhanced Oil Recovery" Time : 10:00 – 11:30 am Resource Person Dr. Srinivasan Reddy Assistant Professor, Department of Chemical Engineering, UPES, Dehradun	TOPIC : "Sick Wells and Remedial action" Time : 2:00 – 3:30 pm Resource Person Mr. Jayasekaran A Director, Department of Petroleum Engineering Academy of Maritime Education and Training
DAY – 2, 14th December 2021	
TOPIC: Development of Emulsion based drilling fluid formulation for shale formation" Time : 10:00 – 11:30 am Resource Person Dr. Bhola Kumar Assistant Professor, Department of Petroleum Engineering, NIMS University, Jaipur	TOPIC : "Accuracies of Reservoir Simulation Model" Time : 2:00 – 3:30 pm Resource Person Dr. Vivek R Assistant Professor, Department of Petroleum Engineering, PDEU, Ahmadabad
DAY – 3, 15th December 2021	
TOPIC: Separation of Produced Water using Membrane Technology" Time : 10:00 – 11:30 am Resource Person Dr. Tousif Ahamed Assistant Professor, Department of Petroleum Engineering, NIMS University, Jaipur	TOPIC : "Numerical Reservoir simulation" Time : 2:00 – 3:30 pm Resource Person Dr. M. J. A. Prince , Assistant Professor, Department of Petroleum Engineering, Academy of Maritime Education and Training
DAY – 4, 16th December 2021	
TOPIC: "Natural Gas Engineering" Time : 10:00 – 11:30 am Resource Person Mr. V. Pandurangan Assistant Production Manager Hardy Oil & Gas	TOPIC : "Formation and dissociation of gas Hydrates" Time : 2:00 – 3:30 pm Resource Person Dr. Gaurav Pandey Assistant Professor Department of Petroleum Engineering, UPES, Dehradun
DAY – 5, 17th December 2021	
TOPIC: "Gas Hydrates –A Sustainable Approach" Time : 10:00 – 11:30 am Resource Person Dr. Deepjyoti Mech Assistant Professor, Presidency University, Bangalore	TOPIC : "Microbial Enhanced Oil Recovery" Time : 2:00 – 3:30 pm Resource Person Dr. A. Rajesh Kanna , Associate Professor & Dy. HOD, Department of Petroleum Engineering Academy of Maritime Education and Training
DAY – 6, 18th December 2021	
TOPIC: "Downhole Equipments" Time : 10:00 – 11:30 am Resource Person Mr. Vivek Tamizhmani , Assistant Professor & Head Department of Petroleum Engineering Vels University	TOPIC : "Rheology of soft materials" Time : 2:00 – 3:30 pm Resource Person Dr. Jagadeesh Associate Professor, Department of Chemical Engineering UPES, Dehradun

Valedictory Function@ 3.45 pm

Dr. A. Rajesh Kanna, Associate Professor, Dept. of Petroleum Engineering, AMET

Chief Patrons :

Dr. J. Ramachandran, Chancellor, AMET

Dr. Rajesh Ramachandran, Pro-Chancellor, AMET

Patron:

Col. Dr. G. Thiruvassagam, Vice-Chancellor, AMET

Organizing Committee :

Dr. M. Jayaprakashvel, Registrar (i/c), AMET

Dr. D. Arivazhagan, Director, Ranking and Accreditation, AMET

Convener :

Prof . Nagalakshmi T

Head of the Department

Department of Petroleum Engineering, AMET

Co-ordinators:

Dr. S. Ponmani

Assistant Professor

Department of Petroleum Engineering, AMET

Dr. A. Rajesh Kanna

Associate Professor and Dy. HOD

Department of Petroleum Engineering, AMET

Organizing Department:

Department of Petroleum Engineering

Academy of Maritime Education and Training

Chennai-603112

ADMISSIONS FOR THE YEAR 2021-2022 ARE OPEN

Toll Free Number : 1800 108 3030

Contact for Admission : +91-93443 91418 (Whatsapp)

Email : admission@ametuniv.ac.in

Facebook Link : <https://www.facebook.com/AMETInternational/>

Instagram : <https://www.instagram.com/amet.university/>

Youtube : https://www.youtube.com/channel/UC6Jzfz1MSE_QBObJmMPLzPQ/