

## About Dibrugarh University

Dibrugarh University, the easternmost University in India, was established in 1965. Dibrugarh University is one of the educational centers of excellence, seeking to amalgamate multi-disciplinary fields with numerous theoretical perspectives, the realm of cultural diversity with the praxis of knowledge, and region-specific issues with a global horizon. Dibrugarh University is a member of the Association of Indian Universities and is recognized by all the universities in India and abroad.

## Topics to be covered

The broad topics to be covered in the program will be the recent advances in the following:

- Petroleum geology
- Geophysics
- Drilling technology
- Reservoir engineering
- Production engineering
- Natural gas engineering
- Reservoir simulation
- Unconventional Hydrocarbon
- Offshore production systems
- Enhanced oil recovery

## AICTE Training & Learning (ATAL) Academy

The ATAL academy was established on 24<sup>th</sup> September 2018 with the objective to plan and help in imparting quality technical education in the country, and to assist technical institutions in advancing research, innovation, and entrepreneurship through training. The Academy stresses upon empowering technical teachers and technicians using Information and Communication Technology. It also aims at utilizing the SWAYAM platform and other resources for the delivery of the training. The academy provides a variety of opportunities for training and exchange of experiences, such as workshops, orientation, learning communities, peer monitoring, and other FDPs.

## Important Dates

Last date of online registration: 28<sup>th</sup> Feb 2022

Intimation of participants: 3<sup>rd</sup> March 2022

Event dates: 7<sup>th</sup> to 11<sup>th</sup> March 2022

## Registration

Registration of participants to be done online through ATAL Academy web portal.

**No registration fee will be charged from the participants.**

## AICTE Training and Learning (ATAL) Academy



**Online FDP  
On**

## Recent Trends in Upstream Petroleum Technology

**(7<sup>th</sup> to 11<sup>th</sup> March 2022)**

### Patron

Prof. LK Nath

Vice-Chancellor, Dibrugarh University

### Chairperson

Prof. Subrata Borgohain Gogoi  
Head, Deptt. of Petroleum Technology  
Dibrugarh University

### Coordinators

Dr. Ranjan Phukan  
Mr. Prasun Banik  
Dibrugarh University



### Organized by

Department of Petroleum Technology  
Dibrugarh University  
Dibrugarh – 786004, Assam

## About the Department

The Department of Petroleum Technology was established in 1969 to cater to the need of the oil industries for proficient manpower. The primary objective of the Department is to become one of the leading petroleum institutes of national and international significance in postgraduate education and research through focused attention on quality education and intensive research. The department was given the recognition by Technology Information, Forecasting & Assessment Council (TIFAC), Department of Science & Technology, Government of India, as one of the Centres of Relevance and Excellence (TIFAC-CORE) in India, under Mission REACH (Relevance & Excellence in Achieving New Heights in Educational Institutions) in 2000. The Department is AICTE approved and offers M.Tech degree in Petroleum Exploration and Production and PhD degree in Petroleum Technology. The Department presently has research and academic collaboration with top institutes/universities of India and other countries like US, UK, Canada, and Tunisia.

## Objective of the course

The petroleum industry starts with the upstream sector, also commonly known as the petroleum exploration and production (E&P) segment. The E&P encompasses activities related to searching for potential underground or underwater crude oil and natural gas fields, drilling of exploratory wells, and subsequently drilling and operating the wells that recover and bring the crude oil and/or raw natural gas to the surface. This online FDP aims to provide an understanding about the recent advances in the field of petroleum exploration to production. The program is specially designed to enhance the knowledge of the audience about the progress made in the petroleum geology, drilling technology, reservoir engineering, production operations, natural gas engineering, and environmental aspects of petroleum E&P in the current times.

## Resource Persons

Prominent resource persons for the FDP are faculties from IITs, NITs, Dibrugarh University, Rajasthan University, experts/technocrats from OIL, OSL, Anton Paar, and inspirational speakers from Sahaja Yoga.

## Who can Apply

Faculty members of AICTE approved institutions, research scholars, PG scholars, and participants from Government and Industry (Bureaucrats/Technicians), and staff of Dibrugarh University.

## General Information

- An online test shall be conducted at the end of the program.
- E-certificates will be issued by ATAL Academy only to those participants who attend the program with a minimum 80% of attendance and score minimum 60% marks in the test.
- Selection of participants will be as per the rules and regulations of ATAL Academy.

## Contact Details

Dr. Ranjan Phukan

Assistant Professor

Department of Petroleum Technology

Dibrugarh University

Dibrugarh – 786004, Assam

E-mail: [r.phukan@dibru.ac.in](mailto:r.phukan@dibru.ac.in)

Phone: +91 373 2370225 (office)

+91 6001779707 (mobile)



## AICTE Training and Learning (ATAL) Academy

Online 5 days FDP on

“RECENT TRENDS IN UPSTREAM PETROLEUM TECHNOLOGY”

7<sup>th</sup> to 11<sup>th</sup> March 2022

Department of Petroleum Technology, Dibrugarh University, Assam



### Tentative Program Schedule

Dates	10.00 am to 12.00 pm	12.00 pm to 12.30 pm	12.30 pm to 02.30 pm	02.30pm to 03.45pm	03.45pm to 05.45pm	05.45pm to 06.30pm
<b>Day 1</b> 7 <sup>th</sup> March 2022 Monday	Inauguration (Centrally by AICTE)	<b>BREAK</b>	<u>Session 1</u> Mental Wellness (Sahaja Yoga)	<b>BREAK</b>	<u>Session 2</u> Nanofluid enhanced oil recovery (NIT, Hamirpur)	
<b>Day 2</b> 8 <sup>th</sup> March 2022 Tuesday	<u>Session 3</u> Geophysics (Dibrugarh University)		<u>Session 4</u> Petroleum Microbiology (Rajasthan University)		<u>Session 5</u> Petroleum Rheology (Anton Paar)	
<b>Day 3</b> 9 <sup>th</sup> March 2022 Wednesday	<u>Session 6</u> Enhanced Oil Recovery (Dibrugarh University)		<u>Session 7</u> Production Technology (Dibrugarh University)		<u>Session 8</u> Research Trends in Upstream Petroleum (IITM)	
<b>Day 4</b> 10 <sup>th</sup> March 2022 Thursday	<u>Session 9</u> Natural Gas Engineering (IITG)		<u>Session 10</u> Drilling Fluid Technology and Its Effect on Environment (Dibrugarh University)		<u>Session 11</u> Water Injection (OIL, Duliajan)	
<b>Day 5</b> 11 <sup>th</sup> March 2022 Friday	<u>Session 12</u> Drilling Technology OSL (O&G Division), Jorhat]		<u>Session 13</u> Reservoir Engineering (Dibrugarh University)		<u>Session 14</u> Biomass conversion to fuel and chemicals (Nowgong College, Autonomous)	Valedictory Function and Online Test