



Dibrugarh University
SPE Student Chapter




PETROFEST

'FUELING THE FUTURE'

SPE DIBRUGARH UNIVERSITY STUDENT
CHAPTER PRESENTS

PETROFEST 2021

DATE: 19-23 MAY

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EXCLUSIVE SPONSOR



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Oil India Limited



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ABOUT THE UNIVERSITY

Established in 1965, Dibrugarh University, the easternmost University in India with a vast sprawling campus of area of 550 acres, is situated at Rajab-heta, five kilometres to the South of the Dibrugarh town . Dibrugarh, which is one of the commercial and industrial hubs of North East India is interna-tionally known as a rich tea producing district, and is also on the global map for its rich reserve of minerals like coal, oil and natural gas. Primarily a research, teaching, affiliating, and examining body involved in promotion of Arts, Science, Commerce, Engineering and other branches of learning, the University has a prolific and productive industrial academia interface. With its strong global links in teaching and research programmes, the Uni-versity offers dynamic educational experiences that prepare the next gen-eration to lead and make a difference and thus contribute to the society at large. With its strong global links in teaching and research programmes, the University offers dynamic educational experiences that prepare the next generation to lead and make a difference and thus contribute to the soci-ety at large.





03



About the Departments

Department of Petroleum Engineering

The Department of Petroleum Engineering, started in August, 2009 as one of the principal branches in Dibrugarh University Institute of Engineering and Technology (DUIET), Dibrugarh University, visions to be department of global standing as a center of excellence in education in the area of petroleum engineering for developing professionally competent talent contributing to nation building and development of society through excellence in grooming leadership, entrepreneurial talent and research.

Department of Petroleum Technology

The Department of Petroleum Technology was established in 1969 to cater to the need of the oil industries for proficient manpower. The Department belongs to the School of Earth, Atmospheric Sciences, Environment & Energy of Dibrugarh University. Since its inception, it has been offering Mtech in Petroleum Exploration and Production and PhD programs. The faculty members have been undertaking research in national and international projects, sponsored by various project agencies such as UGC, DST, DBT, AICTE etc.



Dibrugarh University
SPE Student Chapter



COMMITTEE MEMBERS



Chairperson (communication) Fardin Sattar



Chairperson (program) Mr. Tridibesh Chakravarty



FACULTY ADVISOR DR. BORKHA MECH DAS



PRESIDENT RAJ KRISHNA SAIKIA



SECRETARY MRITUNJOY DIHINGIA



OFFICER MR. RAKESH KUMAR



Chairperson (program) Sharahn Puzari



Chairperson (Membership) Aparajita Baruah



VICE PRESIDENT BISHAL GUPTA



TREASURER PALASH LOCHAN BORDOLOI



SOCIAL ACTIVITIES CHAIRPERSON ANURAG BORAH



SOCIAL ACTIVITIES CHAIRPERSON ANANYA DUTTA



chairperson (Membership) Nazrana Yasmin

SOCIETY OF PETROLEUM ENGINEERS DIBRUGARH UNIVERSITY STUDENT CHAPTER

The chapter is a nonprofit technical Student organisation seeking to promote the propagation of invaluable erudition concerning the oil and gas industry. Established in the year 2012, the chapter has been pushing forward with the drive to elaborate the standards of excellence tounprecedented heights and in recognition of ourextensive efforts we have been conferred the SPE gold standard award for the year 2016 and 2018. The chapter conducts a number of events throughout the academic year such as distinguished guest lecture programs, soft skill development seminar, quizzes, enthralling workshops and a number of contests that emphasizes onprofessional as well as technical growth and also promotes industry academia alliance.





ABOUT THE FEST

'Petrofest 2021' is an Oil and Gas Technical extravaganza to be organised by Society of Petroleum Engineers, Dibrugarh University Student Chapter from 19th-23rd May, 2021. The theme of the festival is set to be 'Fueling the Future' which relies on fueling the foundation of the future to be established on the basis of the pillars of knowledge, expertise, experiences and sustainability to efficiently drive the Petroleum Industry.

The primary aim of the extravaganza is to disseminate knowledge and cater the needs of the Oil and Gas industry by enhancing connections all around and simultaneously strengthen the industry-academia symbiotic relationship. The fest includes a wide range of technical as well as non-technical events out of which paper and poster presentation, case study and bidding challenge, oil and gas quiz, well log interpretation, symposium, interview, treasure hunt and photography are a few in handful.

The most governing and remarkable event of the fest is the conference which is themed as 'Hydrocarbon to fuel the future- Adaptation and Advances' to be graced by honourable dignitaries from different reputed organisations in order to share and discuss the present Petroleum and Natural gas scenario of the world. In a nutshell, the technical extravaganza shall be a source of illuminating different dimensions of the Oil and Gas Industry and associated academic prospects.

14 EVENTS / 20 + INDUSTRY DELEGATES

PRIZES WORTH
UPTO ₹ 1 LAKH



VC MESSAGE

I am quite pleased to note that the SPE Dibrugarh University Student Chapter is going to host the PETROFEST 2021 an oil and gas Technical extravaganza during 19.05.2021 to 23.05.2021 at Dibrugarh University.

I congratulate the Society of Petroleum Engineers, Dibrugarh University Students Chapter (SPEDUSC) for the same.

This year the event is empowered by the thought 'Fueling the Future,' which amplifies the combined diligent efforts of the Petroleum Engineering and Petroleum Technology Departments of the Dibrugarh University in preparing aspiring energy leaders to become the agent of change.

The fest, lined with lot of interactive and exciting events, aims to initiate the participants' awareness and responsibility in creating innovative solutions for current energy situations.

PETROFEST provides the future energy leaders a platform to envision and make a blueprint of the better future TODAY!

I am eagerly looking forward to our young energy enthusiasts' participation and wish PETROFEST 2021 a great success!

With best regards,

**(Prof. L K Nath)
Vice- Chancellor i/c,
Dibrugarh University**





REGISTRAR'S MESSAGE

I am delighted to be acquainted with the information of organizing the Petrofest, an Oil and Gas Technical Extravaganza by the Society of Petroleum Engineers, Dibrugarh University Students Chapter w.e.f. 19th May, 2021 to 23rd May, 2021.

A well admitted fact concerning the industrial sector of the country is that due to the advent of Information Technology, stipulation of improving quality to meet the requirements as per global standards has been laid to a large extent, and as an outcome, there have been concerned efforts all throughout to promote cooperation between academia and industry. Since past several decades, industries are coming forward soliciting support from the academia and special focus has been laid by the industries to strengthen cooperation with academia for improving productivity, unless which interface between the two entities can potentially give rise to disparity between demand and supply, which in turn, can even cause disruption in the market. Correspondingly, a good number of institutions of learning seem to have been coming forward in tandem with the industries.

The objective of this Technical Extravaganza is to bring top management professionals from the industries, academicians, researchers and students together, providing an opportunity for exchanging ideas on different aspects of industry-academia integration. The core focuses of the event have been made to delve upon critical issues arising in the integration of industry and academia, to identify potential areas of mutual participation of industry and academia giving rise to synergies, to assess the increasing interdependence between academia and industry through innovations, to discuss development of innovative models, to facilitate the exchange of perspectives between industry and academia, to find plausible solutions in the fields whenever or wherever necessity arises, to provoke symbiotic partnership and to take proactive steps towards augmenting employability for the students by making them ready for the industry, which needs to be treated as an inevitable responsibility of the academia in the present perspective.

I hope that the cluster of events including the technical and interactive sessions that have been incorporated in the Petrofest would be of immense assistance for the participants in building professionalism.

We are especially thankful to our sponsors for their generous support in materializing the event. I express my sincere gratitude to the organizers and all concerned behind bringing out the event.

With best regards,

(Prof. Jiten Hazarika)
Registrar i/c
Dibrugarh University





HoD MESSAGE

I take the pleasure in welcoming you to the forthcoming series of technical events under Petrofest'21 to be organised by the Society of Petroleum Engineers (SPE), Dibrugarh University (DU) Student Chapter (no. 6112) from 19th -23rd May'21. SPEDU Student Chapter was awarded Gold Standard of South Asia and the Pacific for 2016 and 2018.

Petrofest is a program dedicated to the proper growth and development of each and every student for a better career prospect. Petrofest'21 is all set to bring out the potential within each student and provide proper guidance so that their potentials can be utilized to make them future petroleum technologists capable of meeting any challenge that will be faced by them. The program will provides full support to improve their critical thinking abilities in the area of oil and gas with emphasis to improve the creativity particularly in problem solving abilities and contribute their best to the society and to the country.

Petrofest'21 lectures will be delivered by a team of highly qualified, experienced and dedicated faculty and industry partners who devotes their time not only to teaching but also for the overall development of the students. Further, industry partners and faculty from other renowned industries and institutions are invited to deliver guest lectures to augment their studies in the line of present day developments. We are confident that Petrofest'21 will help the students to boost their technical knowledge, confidence and leadership skills.

Regards,

Subrata Borgohain Gogoi, Ph.D.

Professor & Head,

Department of Petroleum Technology

Dibrugarh University





DIRECTOR'S MESSAGE

I am extremely delighted to learn about the forthcoming series of technical events under Petrofest '21 to be organized by Society of Petroleum Engineers Dibrugarh University Student Chapter from 19th May -23rd May 2021.

I believe, it would prove to be a great opportunity for the student fraternity, research scholars and faculty members in and outside the University to enhance technical competence and also to strengthen their relationship with Oil and Gas Industry personnel who would grace their presence in various events, which is also it's prime objective.

It is a commendable initiative by the chapter in creating intellectually challenging and rewarding atmosphere for the student community.

The organizing committee and everyone involved truly deserves some appreciation and encouragement for their honest and sincere efforts for the successful conduction of the events.

All my well wishes shall be with you for this 5 days technical fest by SPE DU SC.

With best regards,

(Prof. Pradip Borgohain)

Director (i/c),

**Dibrugarh University Institute of Engineering and Technology,
Dibrugarh University**





FACULTY ADVISOR MESSAGE

At the very outset, it gives me immense pleasure to introduce and welcome you to the most awaited Technical extravaganza, "Petrofest 2021" to be organised by the Society of Petroleum Engineers, Dibrugarh University Student Chapter.

Society of Petroleum Engineers is the largest individual-member organization serving managers, engineers, scientists and other professionals in the upstream segment of the oil and gas industry. The Dibrugarh University Student Chapter, under the Duliajan section was established in the year 2012. The chapter was honoured with SPE Gold Standard Award twice, in 2016 as well as in 2018 and Student Chapter Excellence Award in May, 2020 in recognition for its efforts in technical knowledge dissemination, operations, member benefits, society and community outreach and innovation. Amidst the covid pandemic, the chapter has amplified its prominence by successfully organizing numerous webinars and workshops by distinguished industry as well as academia personnels.

I believe, the very aim of strengthening the industry-academia relationship, making the students industry ready, increasing the level of competence amongst them and bringing the youth of varied discipline together under one roof will be attained by this 5days event. It is indispensable to mention that this fest came into life because of the sheer dedication and untiring efforts of all the members, leaving behind innumerable hurdles on their way. I wish them the very best for the smooth running of all the events.

We are also thankful to our sponsors for their constant support and hope to collaborate with them in the days to come.

Regards,

Dr. Borkha Mech Das

Faculty Advisor

SPE DU SC



OIL INDIA LIMITED MESSAGE

11



It gives me immense pleasure to learn that Department of Petroleum Technology, Dibrugarh University is organizing Petrofest'2021.

As we all know, our country is the world's third largest consumer of oil. Being the second most populous country in the world, the energy demand is bound to rise further. India's energy policies are therefore largely governed by this increasing energy requirement, where along with scouting for locating more and more oil and gas reserves within and outside the country, endeavours are also being made towards developing alternative sources of energy including nuclear, solar and wind.

To improve the national oil security and reduce import dependency, our country is ambitiously planning to augment domestic production by implementing major reforms in upstream activities and also initiated measures to boost-up dedicated strategic crude oil storages. Of the many hurdles faced by the Oil & Gas industry, the most significant are to reduce costs to remain competitive, improve performance to ensure effective asset's turnover and also reduce the environmental footprint by meeting increasingly stringent standards.

We all realize that the year 2020 has been very challenging for the human society at large due to the COVID-19 pandemic. This had a significant impact on the global economy across all sectors and the petroleum industry was no exception. Falling demand for crude oil and natural gas during the pandemic situation led to further slump in crude prices. Exploration & Production business being a cost intensive activity was severely constrained in maintaining planned capital expenditure towards exploration, development and operational costs. But hopefully, with the situation improving, the Oil & Gas Industry will quickly get back on track in the post pandemic world, and we will witness normalization of operations in the near future.

I am confident that Petrofest'2021 will provide young academicians and other experts an excellent platform for in-depth discussion on pertinent issues related to the Oil & Gas business and its future and will bring in new ideas and technological solutions. The event will be going to be a very interesting one that you all will enjoy to the fullest.

I wish the organizers all the very best for a successful Petrofest'2021.



Manas

Dr. Manas Kumar Sharma
Executive Director (BM-Shelf)
Oil India Limited



Dibrugarh University
SPE Student Chapter



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EVENTS IN PETROFEST

01 AFISHE



Afische as the name indicates will be a technical poster presentation competition centred around upstream and downstream domains of Petroleum Industry. The technicality of the abstracts for the poster shall govern their acceptance which will be followed by on spot presentation during the fest. Both research and review based posters are acceptable in the respective domains.

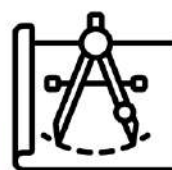
02 UNSCRIPTED



The event is basically based on discussion of a particular subject matter in the domain of Oil and Gas in the form of extempore wherein the participants need to express their views and opinions in a justified manner. The judgement of the event will be focused on the participants eloquent and technical dissemination skills.

EVENTS IN PETROFEST

03 PETRO PARADIGM



A prototype making competition where the student needs to manifest their practical knowledge in petroleum domain and present a prototype/model. The judge's decision will be final in this regard.

04 PETRO' SHALA



A workshop based on any aspect of petroleum. This will surely prove as a great opportunity to enhance the technical competence of the participants.

EVENTS IN PETROFEST



05 FETCH THE FORMATION

A Well log interpretation competition where participants need to use their logical ability interpret the well log data. The event allows them to employ the basic postulates of well logging in decoding the Petrophysical properties of the formation and its geological condition. The event will allow the participants to obtain the elementary knowledge of well log interpretation and also give them a realistic exposure of the formation.



06 COLLOQUIUM

' Colloquium ' the conference scheduled to be held during the occassion shall welcome the honourable personalities of the OIL & GAS Industry, who shall share their valuable experience, thoughts and knowledge for the betterment of the industry.

EVENTS IN PETROFEST

07 FACE THE FEAR



'Face the fear' will be a competitive event where participants shall be made to face the reality of today's world and to know where they stand amongst the masses. Each individual job skill and intellect shall be tested by the panel. The one with the READY-TO-CRACK interview skill will triumph.

08 FILTH TO FILTRATE



Drilling Mud is the vital fluid that runs all through the well and culminates stability and safety to the well. In this challenge, the team will have to formulate and prepare a drilling mud having some prerequisite properties.

EVENTS IN PETROFEST

09 MRIGANA



It's a paper presentation competition for students, professionals, researchers and academicians to present their innovative work in a wide range of fields and discuss the new technologies with eminent industry professionals and experts.

10 FIRST TO FIND



First to Find is a treasure hunt competition where the participants need to decode the clues and move forward in search of the remaining ones. The fastest group to find and reach the goal will be the the winner. The event will run through out the DU campus.

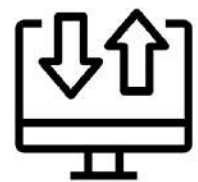
EVENTS IN PETROFEST

11 FORTUNE TO FIT



It's a bidding challenge where participants will be given an imaginary amount to invest and acquire the oil and gas industry related tools and commodities on display. The group of participants making highest profit from their asset will be called out as winner.

12 MONEY MAYHEM



It's an investing simulation game. You will be given 50,000 USD in your portfolio. With this virtual money you can invest/trade across asset classes like shares, mutual funds and others. The one with the highest return wins the game.

Event Partner - *MarketWatch*

EVENTS IN PETROFEST

13 SNAPITTO



It will be a photography competition where participants will be required to send images online. The theme for the same will be announced days before the main fest. The photos send should be recent and in context to the theme.

14 CASE STUDY



The participants will be given a real-life problem related to Oil and Gas. They need to do a detailed study of the specified topic/ statement and describe, compare, evaluate and understand different aspects of the problem and prepare a presentation with respect to that.



PETROFEST
PRESENTS

COLLOQUIUM



HYDROCARBON TO FUEL THE FUTURE-ADAPTATION AND ADVANCES

'*Colloquium*' a mass gathering scheduled to be held during the occasion shall welcome the honourable personalities of the OIL & GAS Industry, who shall share their valuable experience, thoughts and knowledge for the betterment of the industry.

SPE DU SC Conference is meant to be one of the most recognised Conferences in the field of OIL & GAS Industry Technology. We are instrumental in bringing together industrial and technical experts and beginners for cutting edge research-oriented discussions together with world-class experts. The goal of this conference is to bring together professionals at every level from different disciplines to interact during programmed topic sessions and formal gatherings to discuss the research findings with experts in the field. The conference aims to provide a forum for delegates and practitioners to exchange ideas about all Energy resources, from E&P to Refining and Distribution and the energy transition towards which the world is moving.

EVENT HIGHLIGHTS

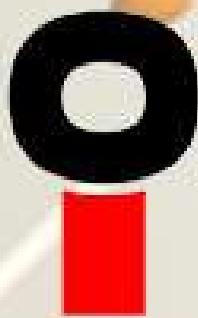
- Hydrocarbon exploration and its uncertainties
- Bit by bit: connecting to hydrocarbon bearing rock
- Upstream production stack in digital transformation of Industry 4.0
- Grapple with oil and gas complexity: digital transformation offshore
- Petroleum refining operations: key issues, advances, and opportunity
- From volume of fuel to units of 'energy' transition: Plateau of liquid fuel and growth of petrochemical in oil and gas industry





NET RISE FEST

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Oil India Limited

(A Government of India Enterprise)



Osmania University
SPE Student Chapter



Conquering Newer Horizons

With a legacy traversing three centuries from the successful commercial discovery of crude oil at Digboi in 1889 and Independent India's first oil field in Naharkatiya - all in the north eastern state of Assam - Oil India Limited was born on 18th February, 1959 to increase the pace of exploration in Northeast India.

Dogged determination of some of the finest oil & gas explorers and a committed workforce has enabled OIL to expand its pan India presence and spread its wings overseas with footprints in countries such as Bangladesh, Gabon, Israel, Libya, Mozambique, Nigeria, Russia, USA and Venezuela.

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Setting the right pace globally

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COMPANY'S FOOTPRINT



HALLIBURTON



COVID GUIDELINES

LET'S ALL DO OUR PART

- 

1 Wash hands frequently with soap
- 

2 Wearing of mask is compulsory during the Fest.
- 

3 Cover your mouth with a tissue paper when coughing or sneezing
- 

4 See a doctor if you feel unwell

STAY SAFE, STAY HEALTHY.

Petrofest 2021 will be organized following all the Covid-19 norms/guidelines given by the Indian Medical Association & the Local Authority





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CONTACT US

NEED HELP?

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Dibrugarh University
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