

# **FEDERATION OF INDIAN PETROLEUM INDUSTRY**

## **PDPU Student Chapter**

Our chapter is aimed to be a path of knowledge from industry to academia, at FIPI Society we believe hydrocarbon as a fuel of future so we can help to build young professionals who are knowledgeable, skillful and can work with professionals at national level. Our aim is to provide knowledge to the students in this constantly changing scenario of oil and gas industry and make them passionate about their work. Knowledge is imparted to the students in form of guest lectures, conferences, technical fests, and many more which manifests the students to become an accomplished engineer for the oil and gas industry in the future.

### **EVENTS**

#### **NATURAL GAS: From Well Head to burner's tip**



Federation of Indian Petroleum Industry organized a special guest lecture on Natural Gas attributes and as an outlook for the energy resources which took place on 14<sup>th</sup> March, 2017. The speaker for the session was Mr. Ajit C. Kapadia, Chairman, Quanta Processes Pvt. Ltd. The inaugural started with the felicitating Mr. Kapadia by Dr. Anirbid Sircar.

Mr. Kapadia in his sessions included various energy resources along with its growth from past to future and also focused on the renewable sources of energy which can be beneficial for the upcoming years. He also emphasized on various topics like security issues of India in energy sector depending on the domestic availability of renewable resources and coal, increase in Natural Gas production, fulfilling energy demands through means of encouraging solar and wind energy. A roadmap to Indian energy scenario in 2050 was also introduced, increasing the ease of product with less carbon footprint.

## **TECHNOALTAR: A Researcher's Quest**

With the aim of providing platform for building petroleum engineers to showcase their knowledge and ideas to industry stalwarts, Technoaltar was organized on **8<sup>TH</sup> APRIL, 2017**. FIPI PDPU Student Chapter organised this researcher's quest – TECHNOALTAR" which included events PRASHTUTIKARAN, EMBLAZON and AGGRANDIZE. This mega event was started by the inaugural session by the judges Mr. Rajesh Pathak, DGM Drilling, GSPC, Mr. Anand Gupta, GM Production, ONGC Ahmedabad and Mr. Aman Sharma, GSPC were welcomed and facilitated with bouquets. The first event was the PRASHTUTIKARAN, Paper Presentation Competition which took place parallel in three the Halls along with the industrialist, our faculties Dr G. Negi and Barasha Deka accompanied them.



In this event participants unveiled their research potentials through presentation. The presentation included the major industrial processes like drilling, production, reservoir, waste management, fracturing, etc. After a jaw dropping presentation session extended till noon, it was followed by the executive lunch. The post lunch session included the EMBLAZON-Poster Presentation Competition which consists of the presentation of the research work of the participants in the form of the poster, this session is followed by award ceremony where winners were affiliated by Prize money and Certificate and event came to end by conclusion speech by Mr. Rajesh Pathak.



## **Any Body Can Discuss**

"Two roads diverged in a yellow woods  
And sorry I could not travel both....."- Robert  
Frost

Selection between the Upstream and downstream is crucial aspect in academics of Petroleum engineer. Often young minds face deep ambiguity in opting between the two. And amidst this confusion they end up making mistake which they would later regret. Team FIPI understands the gravity of this tumultuous period. FIPI took responsibility to provide students of 2nd year, the most basic understanding of two fields which in turn helps them in knowing their interest and mitigate this selection process for same.



FIPI invited Ms. Debanjali Mallick, faculty PDP, to conduct a interactive session called ABCD to break down the basis of selection between the Upstream and Downstream. The session aimed to lift the clouds of fog from current scenario of Oil & Gas sector, to clarify doubts sprouting in young minds and to impart genuine guidance in making decision.

## **DROOPDLIER – A Quiz**

On 18th September 2017, FIPI PDP SC had conducted DROOPDLIER, which was a quiz event for the freshman year students. This event focused to test their knowledge, quiz was divided in three rounds having question related to petroleum , General knowledge , Current affairs and Aptitude to test their knowledge and presence of mind.

The quiz was designed thoughtfully and conducted in unique way , Quiz contained three rounds with questions testing their presence of mind , knowledge and team coordination , the winners were announced after 3<sup>rd</sup> round and provided Prizes worth 2000/-.



# WORKSHOPS:

## **1. Well Logging Workshop**

On 2<sup>nd</sup> March, 2017 the first session of the workshop on Well Logging and Interpretation was organised by FIPI PDPU Student Chapter. The speaker for the workshop being Mr. Prem Kumar Chawla, Senior Geophysicist (Retd.), ONGC Ahmedabad Asset, India. He has an experience about 30 years in oil and gas industry in various departments. The session started with Dr. Uttam Kumar Bhui (Associate Professor, PDPU) facilitating Mr. Chawla along with the appreciation of having him as a special guest for conducting this workshop.



Starting with the absolute basics of logging, he touched upon the aspects of open hole logging, cased hole logging and production logging. He also introduced different tools which detect properties like potential porosity, resistivity, density, formation variations, etc. Mr. Chawla handed over the session starting with the various instruments and tools used to measure these properties. With time he covered all the basic logging tools like calliper log, sonic log, density log, neutron log, temperature log, resistivity logs, spontaneous log, NMR log etc. along with the interpretations of the log data acquired. He also provided some exercise problems along with the actual logs necessary for the interpretation. The duration for the session was two hours initially, but because of Mr. Chawla's enthusiasm, students got so engaged that the lecture continued for further one more hour.



On 19<sup>th</sup> August 2017, another session of this lecture series was conducted by the eminent speaker Mr. Prem Kumar Chawla which included a further more detailed analysis of each rock formations.

## **PRO SIMULATOR Workshop**

This session was organized focusing on the current third year downstream students under guidance of our faculty Mr.P shivakuamar and Mr. R Bala Subramaniam, aiming at providing them with better insights of the industrial processes, followed mainly in refinery works before they actually get into their future field of work and meant to give a better hand for our students than others when they come out into an open

competitive arena .This Session was conducted on 24<sup>th</sup> and 25<sup>th</sup> by Mr. M Santhosh, Systems Engineer, SIM InfoTech Ltd., certification course approved by the company, which pioneered in providing software assistance to many large scale industries in India.



This was a great success, as per the reviews and feed backs from the students attended and they benefitted a lot from the event. Soft skills are a need of the time and nearly every industrial application are software assisted. Hence, having a hand in such softwares where simulations involved, makes the students more into the realistic problems and practices in the industries and help them getting trained for and aid the software with the technological application and their creativity to combat the current problems faced in industry, in designing and valuable modifications in currently used technologies to make the activities more productive and profitable. Nearly 70 students participated in the workshop and with the positive reviews, we try to continue such events through the coming years so that the expectation of our members are met and we are providing something productive too.



## SOCIAL INITIATIVES:

### **RALLY FOR RIVERS**

"Thousands have Lived without love, not one without water"  
- W.H. Auden

FIPI believes in taking social responsibility for welfare of mankind in general. In line with this credo of chapter Team FIPI espoused the initiative by ISHA foundation of SHRI SADGURU to preserve the flow of river across the year. The initiative which is even acknowledged by Hon'ble Prime minister Shri Narendra Modi is given name "RALLY for RIVER".

FIPI provided endorsement to the noble cause and tried to give in its sincere efforts by organizing Tree plantation drive along the river banks of Sabarmati river. Enviro-enthusiast worked with unremitting zeal in various activities pertaining to organized event. Team FIPI reached on nearby meander of river and involved itself in planting trees along the course of stream.



### **Children's Day Celebration**

"Sometimes even the greatest joys bring challenge, and children with special needs inspire a very, very special love" - Sarah Palin

he children's day celebrated on the 14 th November, the birth remembrance of our former Prime Minister Shri. Jawaharlal Nehru ji every year on consideration of his fondness for children. we celebrated the day with the students of the Raisan Primary Government School. We were prepared with fun games, creative activities for them to engage and keep them active throughout the program and the children were overwhelmed have us with them on their day. Winners were given prizes for various fun events conducted and there was a sweets distribution for all 400 students so they could have a sweet remembrance of the day. The event aimed at giving a message of an inborn social commitment that everyone should have towards the society which



helps him in his growth & development and also to create a feeling of consideration towards his fellow humans.

Its well to remember that an “An act of kindness can earn you a priceless smile and an act of care could be cherishing, lifelong” .

