



## Report on SPE Technical Lecture Series

### 1. Session 1 (17<sup>th</sup> January, 2020)

The SPE Technical Lecture Series has been launched by the SPE Student Chapter of Nowrosjee Wadia College in January 2020. The aim of the Lecture Series is to invite professionals working in the Oil and Gas Industry, so that their vast knowledge and technical experience could be shared with the students, which otherwise would be unavailable to them.

The inauguration of the Technical Lecture Series was conducted on 17<sup>th</sup> January, 2020. The auspicious occasion was inaugurated by the liaison officer of the Mumbai Section of SPE, Mr. Pranab Jha by the lighting of the lamp. Also present were Dr. K.S. Venkataraghavan, Faculty Advisor of SPE Student Chapter, Nowrosjee Wadia College and Mr. Amit Agrawal of Halliburton.

Following this, the chief guests and faculty advisor were felicitated by presenting a memento and a bouquet.





Mr. Pranab Jha holds a Master's degree and PhD in Mechanical Engineering from the University of Houston. He began his career in the downstream industry, working on petrochemical projects. He has been with Halliburton since 2016, working on developing new wireline and oil and gas pipeline technologies. He interacted with the students about SPE and advantages of being a SPE member. He also stressed on the importance of safety in the Oil and Gas Industry.

The key note speaker for the first session was Mr. Amit Agrawal. Mr. Amit holds a Masters in Engineering in Chemical Engineering from Tatyasaheb Kore Institute of Engineering and Technology (TKIET) in Warananagar. He joined Halliburton in 2007 as a Technical professional in Production Enhancement. His current designation is as an advisor for Global Technical Services in Halliburton. He has been in the industry for over 12 years now.

The session was enlightening, with a lot of interaction between the students and the speaker. Mr. Amit spoke about the various methods by which a well is stimulated so as to enhance production. Hydraulic fracking, acidizing, were some of the methods he talked about. The students were extremely enthusiastic, coming up with a variety of questions related to the subject. It was an overall fulfilling and productive experience.



## 2. Session 2 (26<sup>th</sup> January, 2020)

The second session of the SPE Technical Lecture Series was conducted on 26<sup>th</sup> January, 2020. The speaker for the second session was Mr. Rahul Dey, an alumnus of the Department of Petroleum Technology, Nowrosjee Wadia College. He graduated in 2008, after which he joined MI-SWACO. His experience ranges over 12 years, during which he worked as a Mud Engineer and then as a Global Technical Service Engineer. He is currently deployed as the Domain Manager for South and East Asia.

Mr. Rahul Dey spoke on the subject of Drilling Fluids. He described in detail the various functions of drilling fluids such as bit lubrication, maintaining wellbore stability, transmission of hydraulic energy and so on. He further elaborated upon the different types of drilling fluids, mainly aqueous based drilling fluids and non-aqueous based drilling fluids and under what conditions is a particular type of mud used.

He also shed light on how technical knowledge, coupled with presence of mind helps in solving unexpected problems while working in the oil and gas industry. A Q&A session was arranged after his talk to clear the students' doubts.





### 3. Session 3 (27<sup>th</sup> January, 2020)

The third installment of the Technical Lecture Series was conducted on 27th January, 2020. The speaker of the day was Mr. Huneid Poonawala, also an alumnus of the Department of Petroleum Technology, Nowrosjee Wadia College. He graduated in 1991, which was the first batch of the Masters' program. Since then, he has worked in Geoservices, Core Laboratories and ACS Labs. He is currently working in Weatherford Oil Tool M.E Ltd. as a Technical Sales Manager.

The lecture conducted by Mr. Huneid Poonawala was focused on the procurement, transportation, handling, cleaning and finally analysis of the core samples obtained from the well.

In core analysis, the fluid saturations and different properties of the core, such as porosity and permeability, are determined. It was an informative session, providing an insight into a different aspect of the Oil and Gas industry that is not generally discussed.

