MAEER’s

# MAHARASHTRA INSTITUTE OF TECHNOLOGY, PUNE

### DEPARTMENT OF PETROLEUM ENGINEERING

## MIT-SPE STUDENT CHAPTER

# **Annual Industry Institute Interaction Program - 2007**

## REPORT

The Petroleum Engineering Department and MIT-SPE Student Chapter of the Society of Petroleum Engineers, International organized The Annual Industry - Institute Interaction Program between 16th & 18th March 2007. Technical quiz, student paper presentation contest, panel discussion and distinguished guest lecture series were conducted as part of the Golden Jubilee celebrations of the SPE.

It is a matter of great pride to have such distinguished personalities like **Mr. A. K. Hazarika, Director (Onshore), ONGC, New Delhi, Mr. John Hoppe, Technical Manager, Petroleum Engineering, Shell Technology India, Bangalore and Mr. James Brown, Director-Subsurface, BG India, Mumbai** partake in our Annual Industry-Institute Interaction Program. They gave wonderful advice to the budding petroleum engineers on their career prospects.

The function started on the 16th with a Technical Quiz competition conducted by Prof. S. J. Naik. The winners of the Technical Quiz were A. Saraf and V. Anand from Second Year Petroleum Engineering.

The Paper Presentation Contest was inaugurated on the 17th of March, 2007 by Guest of Honor, Mr. A. K. Hazarika, Director (Onshore), ONGC, along with Chief Guest and Chief Judge, Mr. John Hoppe, Technical Manager, Petroleum Engineering, Shell Technology India. In his inaugural address, Mr. Hazarika found the MIT Engineers extremely competent with all the basic knowledge of drilling. Prof. Vishwanath D. Karad, Director, MAEER’s MIT, chaired the session.

Dr. Vimal Shah, Director, Halliburton Technical Center, Pune, Mr. S. R. Athawale, Executive Director, M&M, New Delhi, Mr. Avinash Sadekar, Sr. Drilling Manager, Transocean, Mr. Samir Kale, Sr. District Engineer, B. J. Services, Mr. Murtaza Amin. Sr. Production Technologist, Shell Technology India, Bangalore worked as judges for the contest.

The winners of the paper presentation contest were Ashish Tickoo, who spoke on “Gas Hydrates-Fuelling the Future”, and Shruti Jahagirdar and Sameer Hirani, who spoke on “Microbial Enhanced Oil Recovery-Reaching New Depths”.

The second prizewinners were Anish Phade and Yash Gupta, who spoke on “Reservoir Pressure Management Using Waterflooding”.

The third prize winners were Kenneth Lobo and Shahvir Pooniwala, who spoke on “Lasers: The Future of Extraction”, Shaurya Sinha, who spoke on “A New Sealing Mechanism for ESP” and Richard Menezes and Arpit Choudhary, who spoke on a “Hybrid Drilling Rig with Rotating Coiled Tubing”. The judges appreciated their efforts and asked them to include practicality in their presentations.

Winners of the Poster Presentation Contest were Rachit Garg, Konark Ogra, Arpit Chaudhary and Richard Menezes.

The evening session started with the felicitation of the guests for the panel discussion. **Our Head of Department, Dr. L. K. Kshirsagar was especially felicitated on the occasion by the Director, Dr. V. D. Karad, for his achievement of the Regional Award from SPE-Dubai, for his meritorious work in promoting SPE activities.**

The MIT-SPE President, Mr. Kenneth Lobo, thanked all the participants and spoke about the achievements of the department. Dr. L. K. Kshirsagar, in his speech, outlined a vision for the department for further collaboration with companies & for sponsoring projects and equipment for state of the art research work. Many major companies like Schlumberger, Kappa, and Fekete are already donating software to the department and this has improved the quality of students of the department. He expected companies to come forward in developing a specialized laboratory in their name.

Mr. John Hoppe was highly impressed by the working of the department and the student paper presentation contestants. He said that he would be the ‘Shell Ambassador’ to MIT, and was willing to come more often to MIT to have many more interactions. Mr. Athawale, and Mr. Brown said that the culture of MIT was very different from the other universities and promised more interaction and other forms of help.

The panel discussion was very lively, with wonderful words of advice and suggestions about jobs, careers and the future of the oil industry. The panelists were Mr. John Hoppe, Mr. S.R. Athawale, Mr. James Brown, Mr. Avinash Sadekar, Mr. Sridhar Amaravadi, Account Manager, Schlumberger Asia Services, Mumbai, Dr. Leslie Wood, Lecturer, and University of Texas at Austin, USA, Mr. Samir Kale, Mr. Murtaza Amin, Mr. Barun Dutta, Deputy General Manager, Essar Oil, Mumbai and Dr. L. K. Kshirsagar. This ended with the dinner.

A Guest Lecture Series was organized on the 18th March. The details are as follows:

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| Dr. Lesli Wood,  University of Texas, Austin, USA | Mass Transport Processes and Deposits as a Component of Continental Margin Evolution |
| Mr. S. R. Athawale,  Executive Director, ONGC | Challenges in Upstream Oil Industry |
| Mr. John Hoppe,  Technical Manager,  Shell Tech. India | Shell’s Smart Field’s Program-Delivering Value Today. |
| Mr. James Brown,  Director-Subsurface,  BG India | Impact of Integrated Geosciences of Panna Mukta Production |
| Dr. Achala Danait, Scientist Halliburton Tech. Center | Nurturing the Future of Technology |
| Mr. Barun Dutta, DGM, Essar Oil Ltd | E & P Activities of the Oil Industry |
| Mr. K. K. Gupta,  Sr. Advisor, Reservoir, DGH | Role of DGH in developing India’s Oil & Gas Resources |

Brain storming during the program brought out an urgent need of trained manpower in the upstream petroleum industry. In response, Prof. Vishwanath D. Karad, announced his support to conduct short term intensive training programs for the benefit of fresh graduates from all disciplines aspiring to seek employment in petroleum industry. Details of the courses are to be worked out with the help from various companies working in this field.

The function ended with a vote of thanks to all the distinguished guests who took time from their extremely busy schedule to share their valuable experiences with the students of the Petroleum Engineering Department. Finally, we would like to thank the management of MIT for giving us permission to conduct this function and the companies and alumni for their generous support. Many industries have cosponsored the event whom we thank separately.