

Report on Workshop titled  
**Recent Advances in Chemical Engineering Research**  
Organized at  
**Dept. of Chemical Engineering, IIT Bombay**  
through  
**Knowledge Incubation under TEQIP, TEQIP-II Project**  
from 2<sup>nd</sup> to 4<sup>th</sup> July, 2014.

A workshop titled “Recent Advances in Chemical Engineering Research” was organized from 2-4 July, 2014 at Dept. of Chemical Engineering, IIT Bombay. The workshop was organized by Prof. Sachin C. Patwardhan through Knowledge Incubation Centre, TEQIP-Phase-II Project. This three day workshop was planned to introduce budding researchers in chemical engineering to the emerging research areas in chemical engineering science. The workshop consisted of overview lectures on recent advances in

- Complex Fluids (Prof. Partha Goswami)
- Bio-systems and Biomaterials Engineering (Prof. Supreet Saini)
- Colloids and Interfacial Engineering (Prof. V. A. Juvekar)
- Nano –science and Nano-Materials Engineering (Prof. Mukta Tripathy)
- Process Systems Engineering (Prof. Yogendra Shastry)
- Reaction Engineering and Separation Processes (Prof. A. K. Suresh)
- Research using Computational Simulations (Prof. Ateeque Malani)
- Climate Studies (Prof. Chandra Venkataraman)

In addition, visits to research laboratories in Dept. of Chemical Engineering and central sophisticated instrumentation facility were organized to provide exposure to the research infrastructure at IIT Bombay. Also, an informal interaction session was organized with research scholars in the department to acquaint the participants to the research culture in the department.

One hundred and three graduate (2<sup>nd</sup> year master’s and Ph.D.) and senior undergraduate students in Chemical Engineering from LIT Nagpur, NIT Nagpur, ICT Mumbai, BATU Lonere, T.K.I.T. Warnanagar, J.D.I.E.T., Yawatmal, U.I.C.T. Jalgaon and SGGS I.E.T. Nanded attended this workshop. The participants thoroughly enjoyed exposure to the frontier areas of research in chemical engineering and visits to the research labs. During the feedback session at the end of the workshop, a large section of participants indicated that they have seriously started thinking of pursuing a career in research.