



CHEMICAL ENGINEERING



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FACULTY DEVELOPMENT PROGRAMME

ANITS hosted the faculty development program in the Department of Chemical Engineering organized on 18th and 19th June 2014.

Dr. B. Srinivas, Professor and Head, Department of Chemical Engineering, Gayatri Vidya Parshid college of Engineering has given a talk on Optimization Studies using MATLAB on 18th June 2014.. He also emphasized on the standard problems of optimization comparing with Local and Global minima. He also explained the MATLAB optimization tool box for the faculty in the department. He advised faculty to use the GAMS software for solving all types of optimization problems.

Dr. K.V.Ramesh, Professor, Department of Chemical Engineering, Andhra University has given talk on teaching methodologies for the faculty in the department on 19th June 2014 . He said that preparing well for the class brings confidence for any teacher in the classroom. He also insisted faculty to include fundamental concepts and practical examples in teaching. He also suggested the Head of the Department to make interactive sessions for the students with the neighboring colleges for improvement in their standards.

Prof. V.Sridevi, Head of the Department, Prof. G. Hanumantha Rao, and Faculty attended the program.



INDUSTRIAL VISIT

- **Coromandel Fertilizers**

All Students of B.Tech III/IV Chemical Engineering & IV/IV Biotechnology has visited Coromandel fertilizers on 19/7/2014 as per their curriculum to visit prominent Industries & companies for the practical exposure and insights to the real working environment. They visited the Sulphuric acid production plant, Phosphoric acid production plant and Complex fertilizers plant.



- **M/S AUROBINDO PHARMA LTD.**

All the students of III/IV Chemical engineering visited the Govada sugar factory in Chodavaram, Visakhapatnam on 28th February, 2015. The students were explained the functioning of the factory and manufacture of sugar from sugar cane. In this process students gained visual knowledge regarding chemical engineering equipment such as blast furnaces, turbines, evaporators and crystallizers. Students were able to envisage theoretical concepts to practical industrial applications during this tour.



National workshop on application of computational techniques in chemical and biochemical engineering.

The Department of Chemical Engineering & Biotechnology conducted a national level workshop on “Application of Computational Techniques in Chemical and Biochemical Engineering” on February 24th and 25th, 2015. Mr. Siva Kiran, Assistant Professor from MSRIT (MS Ramaiah Institute of Technology), Bangalore gave hands on experience using ASPEN HYSYS and ASPEN PLUS technical simulating software. Mr. Siva Kiran explained basic concepts and advantages of simulation techniques. He described in detail the user interface and modules in the software packages. He also helped students and faculty design their own simulations for modeling heat exchangers, distillation columns and chemical plants based on case studies and flow sheets. Dr. Padma Sree, Professor from Andhra University and Dr. Shiva Naresh, Assistant Professor, ANITS also delivered talks on computational techniques in the introductory and concluding sessions of the workshop. Students and faculty from various colleges such as Andhra University (College of engineering), GITAM University, Gayatri Vidya Parishad, ANITS, Visakhapatnam, MVGR college, Vizianagaram and GMR Institute of Technology, Rajam attended the productive two-day workshop.



Editor

Mr.Ashish kumar Patro