

Report on: Workshop on Curriculum Development for
'Project Management in Chemical Industries'

Vibrant Gujarat activities attract many new chemical industries to Gujarat. With such a massive investment inflow, there is a need to provide requisite technical manpower. To address this issue, there is a need to develop industry responsive and readily employable manpower focusing on local resources.

In today's global and fast paced business environment, success of complex projects cannot be guaranteed by technical competence alone. These environments require reality based project management skills and expertise as well. To satisfy requirements of industry ready pass outs, a unique M. E. course in 'Project Management for Chemical Industries' is required.

To the best of knowledge, such course does not exist anywhere in India and very few might exist in the world. Objective of this course is to train students in complete life cycle process starting from project identification, viability and land selection to equipment erection and commissioning.

About the Workshop:

With this objective in mind a workshop on curriculum development was organized on 16th May, 2012 at GTU Conference Hall, Ahmedabad, where experts from various industries and academia attended this workshop. This workshop was inaugurated by Hon. Vice Chancellor of GTU, Dr. Akshai Aggarwal. He welcomed experts after their introduction and expressed his satisfaction towards work being done in the right direction.

Dr. Aggarwal in his speech welcomed this initiative and talked about the needs of industry in terms of project management. He mentioned that a lot of work has to be done before this course can be offered to students. He discussed about the possibility to include this M. E. level course from coming academic year that starts from July 2012 and asked Prof. M. N. Patel, Principal of L. D. College of Engineering and Prof. R. N. Shukla, Head of Chemical Engineering Department, L. D. C. E. to coordinate this effort and discuss with the Deans of the GTU for taking it further which finally will be put in front of Board of Studies.

Prof. M. N. Patel, Principal, L. D. College of Engineering also welcomed everyone and gave his best wishes for this workshop.

Following experts were present in this workshop

No.	Name	Designation
1	Shri A. Ahuja	Head – Engineering, RO-Vadodara Engineers India Ltd. (EIL)
2	Shri B. R. Patel	GM-Projects, IFFCO Ltd.
3	Prof. Hemant Nanavati	Assoc. Professor, IIT - Mumbai
4	Shri K. S. Gandhi	V.P. Technical, Reliance Industries, Dahej
5	Shri M. G. Mandan	V.P., Reliance Industries, Vadodara
6	Shri.M. Kannan	Head – Env., Reliance Industries, Jamnagar
7	Prof. R. N. Shukla	Professor & Head, L. D. College of Engineering
8	Shri Rameshchandra Dadhich	Asso. GM, Adani Power Ltd.
9	Dr. Rupesh Vasani	Dean, Gujarat Technological University
10	Dr. S. A. Puranik	Director, Atmiya Institute of Tech.

Following experts contributed their suggestions in their absence.

No.	Name	Designation
1	Shri Binodkumar Sharma	VP, Linde
2	Dr. Ponnani	Professor, B.I.T.S.- Pilani
3	Shri M. N. Vyas	Ex. GM, IPCL, Vadodara
4	Dr. Sachin Parikh	Principal, V.V.P. Engineering College, Rajkot
5	Shri Sridhar S.	Head – Process, L & T, Chiyoda
6	Shri Vijayaraghavan	Site President, Reliance Industries (IPCL)

After rigorous full day discussion, the following subjects were identified by the forum

1. Process design package:
2. Project feasibility report:
3. Execution, Scheduling and Planning
4. Environmental Impact Assessment
5. Communication & research Skills
6. Utilities and off sites Planning
7. Project Finance and Accounting
8. Pre Commissioning and Commissioning
9. Process Safety Management
10. Construction Management
11. Procurement and Contract Management
12. Project Engineering Management
13. Management Planning and Control
14. Operation and Maintenance Manuals

At the end of the workshop, committee of experts expressed the need of one more meeting to finalize this curriculum. Experts at the same time decided to give their views/modification by email to draft the syllabus.

The meeting concluded with a vote of thanks by Prof. R. N. Shukla, Head, Chemical Engineering Department, L. D. College of Engineering.

