

## **BRIEF REPORT of VISIT of VJTI DELEGATION to US and UK MARCH 2009**

- Members:** 1. Dr. K. G. Narayankhedkar, Director, VJTI...Leader of the Delegation  
2. Dr. D. S. Wavhal, In charge, Physics Department, VJTI (Only in US)  
3. Prof. K. P. Patil, In charge, Mathematics Department, VJTI  
4. Prof. Sanjay M. G., Asst. Prof., Mech. Engg. Dept., VJTI  
5. Dr. B. B. Meshram, Professor, Computer Dept., VJTI (Only in UK)  
6. Dr. B. E. Narkhede, Asst. Prof., Prod. Engg. Dept., VJTI (Only in UK)

### **Universities Visited in USA**

1. Northwestern University, Evanston, Chicago
2. North Dakota State University, Fargo
3. Case Western Reserve University, Cleveland
4. Cleveland State University, Cleveland
5. University of Delaware, Newark
6. University of Arizona, Tuscon
7. University of Oklahoma, Norman

### **Universities and Research Centers Visited in UK**

#### *UNIVERSITIES*

1. University of Nottingham
2. University of Liverpool
3. University of Manchester
4. Cardiff University

#### *RESEARCH CENTERS*

1. The Cockcroft Institute of Accelerator Science and Technology, Warrington
2. Accelerator Science and Technology Center Darsebury Laboratory, Warrington

#### **ALUMNI MEETINGS held at**

1. Chicago, USA
2. Cleveland, USA
3. Tuscon, USA
4. London, UK

**At all the four places, it has been resolved to initiate the process of starting Local Chapters of Alumni Association.**

### **HIGHLIGHTS and OUTCOME**

- **In Chicago, met Mr. Sam Pitroda, Chairman, Knowledge Commission, Govt. of India and had a detailed discussion about his report on Engineering and Higher Education India. He appreciated VJTI efforts so far and assured all the help in future.**
- Every University in USA and UK has very high reputation about VJTI
- In each University and Research Center reception was very cordial, punctual reception from the authorities like Provost (V.C.), Deans (Director/ Principal),

Directors and Chairs of the Departments (HoD), Renowned Professors, Officers of International Affairs of the Universities etc.

- Every University has good amount of FLEXIBILITY in course design and many programs as well as research activities are INTERDESCIPLINARY
- Contact hours for both UG and PG students are about 15 to 18 per week. However, one contact hour at University is equivalent to double work at home.
- Hands on experience in UG and PG project work in Research Laboratories, Workshops and in the Industry
- Effective utilization and placement of Teaching and Research Assistants
- Class room sizes vary from 30 to 350 depending upon the intake
- Use of corridors for display of achievements of the Department

#### **SCOPE for FUTURE COLLABORATIONS**

- Faculty and student exchange
- Joint research
- Joint guidance to M. Tech students for the project work
- Faculty going for PhD and Post Doctoral programs
- Memorandum of Understanding with the Universities

#### **POSSIBLE COMMON INTERESTS**

- Civil and environmental Engg. Dept.: Construction Management, Bridge Engg., Soil Mechanics, Water Quality Management etc.
- Electrical Engg. : High Voltage, VLSI etc.
- Mechanical Engg. : Robotics, Automotive, Renewable Energy, CFD etc.
- Textile : Fashion designing
- Production Engg. : Industrial Engg., Laser Processing, System Engg. etc.
- Computer Engg. : Data mining, Data base, Artificial Intelligence, Computing and Networking etc.