

**Post Graduate Program for Executives  
for  
Visionary Leadership in Manufacturing  
(PGPEX-VLM)**

**Background**

Growth of the manufacturing sector in India has been recognized as a key thrust area by the Government of India. The National Manufacturing Competitiveness Council (NMCC) has been constituted by the Government of India. One of the key objectives of NMCC, among others, is to serve as a policy forum for enhancing the competitiveness of Indian manufacturing sector.

The NMCC has drawn up a long term manufacturing strategy which includes strengthening education and training at various levels. For implementation of this strategy of creating visionary leadership in manufacturing sector, four programs for training of different level of engineers/managers working in manufacturing sector are structured under the guidance of Professor Shoji Shiba. A renowned international expert in the manufacturing sector, and a recipient of the Deming Prize, Professor Shoji Shiba has been associated for more than a decade with very successful Leaders for Manufacturing Program at the Massachusetts Institute of Technology. One such Program is one year Post Graduate Program for Executives for Visionary Leadership in Manufacturing (PGPEX-VLM) jointly to be conducted by IIM Calcutta, IIT Chennai, and IIT Madras.

The Government of India and the Government of Japan have signed a Memorandum of Understanding in the year 2007 that includes “Cooperation within the framework of Japan-assisted ‘Visionary Leadership in Manufacturing Program’, under which Japanese manufacturing management and skills will be transferred to senior managers of Indian manufacturing industry”. Under the terms of the MOU, the Government of Japan has agreed to extend cooperation to support transfer of Japanese expertise and visit to manufacturing centers of excellence in Japan for the four VLM Programs.

The objectives, contents, curriculum, pedagogy, and modalities of the PGPEX-VLM Program have been designed by the IIM Calcutta, IIT Kanpur and IIT Madras in consultation with industry, Confederation of Indian Industry, Japanese International Cooperation Agency, NMCC and MHRD. The first batch of the PGPEX-VLM Program was admitted in August 2007 and would graduate in August 2008.

## Major Attributes of VLM Program

- \* Joint Program of Indian Institute of Management Calcutta (IIMC), Indian Institute of Technology Kanpur (IITK) and Indian Institute of Technology Madras (IITM).
- \* Supported by Japanese International Cooperative Agency.
- \* One year full time residential program.
- \* 32 weeks classroom interaction, case studies, tutorials, lab sessions, project work at IIMC, IITM and IITK; total 960 interaction hours.
- \* 11-13 weeks internship in industry.
- \* 4–6 weeks industry visits in India and abroad.
- \* The program is meant for promising engineers drawn from the manufacturing sector, who have the potential for top management positions.
- \* The program will involve development of leadership and management skills together with cutting edge technology awareness and proficiency.
- \* The program will have a proper balance of theoretical inputs and practical training to develop a high degree of leadership skill which would enable Indian companies convert manufacturing into a competitive weapon.

## Certification

A joint **Post Graduate Diploma in Management for Executives in Manufacturing** by IIM Calcutta, IIT Kanpur and IIT Madras is awarded after the successful completion of the Program.

## Batch Size

The batch size for 2008-09 session will be 30 to 35.

## Eligibility

### Education

A First-Class Degree in any branch of Engineering.

### Work Experience

Minimum of 5 years and maximum of 10 years in manufacturing and related sector; holding responsibilities in production planning and control, research, design and development, quality control, plant engineering, maintenance, marketing etc.

**Candidates may be sponsored by their employers or they may be self-sponsored. There is no upper limit of work experience for the company sponsored candidates.**

**Course Structure:**

Total Classroom Contact Hours: 960

IIM Calcutta	Environment of Manufacturing	Global Scenario Regulatory- National & International Strategic Analysis
	Functional Knowledge	Managerial Economics Financial Analysis Organizational Structure & Design HR & Labor Laws Marketing
	Manufacturing Systems & Technology	Manufacturing Strategy Production Management Project Management Information Technology ERP
	Leadership & Decision Making	Decision Making Tools Leadership & Change Management Vision to Execution Ethics & Values in Business Inter-personal skills Entrepreneurship
IIT Kanpur and IIT Madras	Manufacturing Systems & Technology	Supply Chain Management Technology Management Product Design Prototyping New Product Management Frontier Technologies for Manufacturing Automation & Robotics Computer Integrated Manufacturing Advanced Materials
	Leadership & Decision Making	Problem Formulation, Data Analysis, Communication
Domestic Industry Tour		
International Industry Tour		
8 weeks Industry Project		

## **Pedagogy**

Learning through team based approach for addressing complex issues. Course delivery through an appropriate mix of class room lectures, case studies, individual and team assignments.

## **Industry Tours**

Industry visits both within and outside India will be arranged with an objective of understanding global manufacturing environment.

## **Industry Internship**

The students will be required to do an industry internship for eleven to thirteen weeks. The objective of the internship is to provide an opportunity for doing state-of-art research leading to a product/process redesign or an innovation.

## **Admission Process**

Selection of the candidates will be made on the basis of his/her academic background, which has to be consistently first division/first class from school board examination level to graduation level, relevant work experience, employer's recommendations, performance in the Aptitude Test and Personal Interview to be conducted jointly by IIM Calcutta, IIT Kanpur and IIT Madras.

## **Fees**

Tuition fees for the VLM Program is Rupees five lacs. In addition, expenses incurred for boarding, lodging, traveling and industry visits within India and abroad are to be borne by the students.

Tuition fees of Rupees five lacs have to be paid in three installments of Rupees two lacs, Rupees one and a half lacs and Rupees one and a half lacs through Demand Draft at intervals to be indicated in admissions offer letter.

## **Brochure and Application Form**

Brochure and Application Form can be downloaded from the following website:

[www.iitk.ac.in/vlm](http://www.iitk.ac.in/vlm)

The completed Application Form should be sent through Registered Speed Post/Courier service to:

VLMP Office,  
Dept. of Industrial and Management Engineering,  
Indian Institute of Technology Kanpur  
Kanpur-208016

Please note:

\* Last date for receiving the completed PGPEX-VLM Application Form at IIT Kanpur is

**12 May 2008.**

\* Incomplete Applications are liable to be rejected.

### **Important Dates**

12 May 2008:	Last date for receipt of completed Application Form
19 May 2008:	Announcement of the List of Short-listed Candidates for Aptitude Test and Personal Interview
31 May- June 1, 2008:	Aptitude Test and Personal Interview of the Candidates
09 June 2008:	Announcement of the Final List of Selected Candidates
August 2008:	Starting of Program

### **Contact Address**

VLMP Office  
Indian Institute of Management Calcutta  
Joka, Diamond Harbour Road  
Kolkata – 700104

VLMP Office  
Department of Industrial & Management Engineering  
Indian Institute of Technology Kanpur  
Kanpur-208016

VLMP Office  
Department of Management Studies  
Indian Institute of Technology Madras,  
Chennai – 600036

Email: [vlmp@iitk.ac.in](mailto:vlmp@iitk.ac.in)  
Website: [www.iitk.ac.in/vlm](http://www.iitk.ac.in/vlm)