



Online Management Development Program on -
**“Project Management: Planning, Execution,
Monitoring and Control”**

31st May – 4th June 2021 (5 days)



Organized by
Vinod Gupta School of Management
Indian Institute of Technology, Kharagpur

“Project Management: Planning, Execution, Monitoring and Control”

1. Introduction:

Projects are the modus operandi of implementing organizational strategy and achieving strategic goals and objectives. Project management is receiving increasing attention in today's competitive business world. Its importance is well-acknowledged and pervasive in the business world such as construction, engineering, mining, hi-tech, electronics, logistics, defense forces, product development, R&D, and so on. Project management has developed to the point where it is a professional discipline having its own body of knowledge and skills. In order to achieve business excellence, it is necessary to develop expertise in planning, executing and managing projects.

2. Program Objectives:

The course would help the academics as well as practicing managers and professionals to learn modern project management tools and techniques, scheduling of activities, resources and cost; and enhance their skills in expediting projects by prudently crashing certain activities. It would also provide them a holistic view of project management covering among others project risk and quality management, procurement and contract management, communication management, developing leadership skills and managing PM team, project performance evaluation, project audit and closure. More importantly, the course would help the participants to familiarize with and proficient in using MS Project®.

3. Program Module/Content

1. Introduction to Project Management, Basic Concepts, and Project Life Cycle Management
2. Organization Strategy, Project Analysis and Project selection
3. Project Management Organization structure and organization culture
4. Project Definition, Activities, Work Breakdown structure
5. Project time and cost estimation, Time Management
6. Developing Project Plan; Network Analysis using PERT/ CPM technique
7. Resource Management and Cost Management: Resource levelling, Scheduling and allocating project resources and costs
8. Reducing Project duration - Crashing project activities to speed up a project

9. Project Risk Management - Identification, quantification, and mitigation of risks
10. Project Quality Management
11. Project Procurement and Contract Management
12. Communication Management in PM; Leadership and Managing Teams
13. Project Evaluation, Project progress and Performance Management
14. Project Outsourcing, Negotiation, and Managing inter-organizational Relations
15. Project Closure, and Project Oversight
16. Familiarization with and developing working competence in the use of MS Project®

4. **Program Features/Pedagogy**

- Online lectures – 60%
- Numerical/ Problem solving, Case study and Activity – 30%
- Familiarization with PM software (MS Project) -10% (to build project plan and resource optimization)

5. **Program Schedule and Platform**

- 31st May – 4th June 2021 (Monday – Friday)
- 5 days, 4 sessions per day, @90 minutes per session (9:30 AM to 5:30 PM)
- Platform (Zoom/Webex/Moodle etc.) - To be intimated later

6. **Session Schedule:**

- To be intimated later

7. **Program Fee**

- **INR 20,000/- per person + GST**
(including Course package)
- **Last date for Enrolment:** 21st May 2021

8. **Batch size: 25** (approx.)

9. **How to Apply**

Please visit IIT Kharagpur website: <http://www.iitkgp.ac.in/>

Go to “Apply for CEP Events”: <https://erp.iitkgp.ac.in/CEP/courses.htm>

Click on “How to Apply”:

https://erp.iitkgp.ac.in/CEP/Online-Course-Registration-Portal-CEP-IITKGP_18032020.pdf

Click on “How to Pay”:

https://erp.iitkgp.ac.in/CEP/CEP_Payment_Document_18032020.pdf

10. About the Course Coordinators:

Dr.Sanjib Chowdhury

After working for **34 years** in two major oil companies in *India and Kuwait*, *Sanjib Chowdhury* joined *Indian Institute of Technology, Kharagpur* at *Vinod Gupta School of Management* in *Feb 2018* as *Visiting Faculty* in the areas of: (a) Strategic Management (b) Operations Management, and (c) Project Management.

He has extensive work experience (**37+** years) in the cross-functional areas of: *Strategic and Corporate Planning, Optimization and Business Performance Improvement, Project Management, HR and General Management*, and had held responsible positions. He is the recipient of Kuwait Gulf Oil Company (KGO) Ideal Employee Award, ONGC Chairman's Award, ONGC Director's Award to mention a few.

Based on his work experience, he has authored a book titled "*Optimization and Business Improvement studies in Upstream Oil and Gas Industry*", John Wiley & Sons Inc., New Jersey, USA, August 2016 (sole-authored, international publication).

He holds B. Tech., M. Tech., and Ph. D. degrees in Industrial Engineering and Management all from the Indian Institute of Technology, Kharagpur, and published several technical papers in journals of repute.

Dr.Pradip K. Ray

Prof Pradip K Ray is the Dean – Vinod Gupta School of Management with more than 30 years of experience in teaching and 8 years in the industry. His teaching and research interests are in the areas of Operations Management including quality and reliability management, inventory management, productivity management, safety management, ergonomics, manufacturing, and health care system. He has published several books and international papers (total 162 nos.), and undertaken several consultancy work of national importance (27 nos. till date). He is a certified Lead Assessor for ISO-9001 and Visiting Professor of several foreign universities including USA. He received BE(Mech), M.Tech. and Ph.D. degrees in Industrial Engineering & Management from IIT Kharagpur.

Other faculty for the course

Dr. (Mrs) Prabina Rajib

Dr. (Mrs) Prabina Rajib is a Fulbright Fellow and is former Dean – Vinod Gupta School of Management, IIT Kharagpur. She is a professor of finance & accounts with research interests in project and corporate finance, international finance, financial accounting, and commodity markets & derivatives. She has published about 40 papers in refereed journals, 18 conference papers, and developed NPTEL courses. Six Ph.D. scholars completed their theses under her guidance and another 4 are ongoing. She has authored two books, namely, 1. Commodity Derivatives & Risk Management (PHI Learning, 2014), and 2. Stock Exchanges & Investments—Straight Answers to 250 Nagging Question. She holds Masters (Economics), MBA, and Ph.D. degrees.

Dr. Surojit Mookherjee

Prof. Surojit Mookherjee's experience includes 15 years of industrial research, manufacturing, Operations, Joint Venture set up in the field of metal cutting tool and powder metallurgy. Post his industrial stint, he migrated to SAP project implementation and management, Business consulting, IT Outsourcing, Program management and IT Service sales for global clients. During this period of 18 years, he worked with Pricewaterhouse Coopers and IBM India. He holds B.Tech. and Ph.D. degrees from IIT Kharagpur.

Prof. Anupam Ghosh

Prof. Anupam Ghosh has more than 14 years of teaching experience in the areas of Supply Chain Management and Marketing. He has offered courses at the post-graduate and doctoral level in Supply Chain Analytics, Supply Chain Management, Warehousing and Materials Management, and International Marketing. He was a Visiting Scholar to Bentley University, Waltham, MA, USA during 2004-05. He has worked on research projects on Information visibility in supply chain, fare fixation for public transportation system etc.