

POST GRADUATE DIPLOMA IN PROJECT MANAGEMENT (PGDPM)

PROGRAM CURRICULUM

Sem. I

1. Principles & Practices of Management

1. Business - the Purpose of Management
2. Designing Organization for Business
3. Need for Managing Organization and Business
4. Management of Standard Functions
5. Managing Resources
6. Planning
7. Decision Making
8. Organizing
9. Staffing
10. Leading: Directing • Communicating • Motivating
11. Controlling
12. Coordinating (Synchronizing)
13. Evolution of Management Thought
14. Pursuing Managerial Career

2. Production and Operations Management

1. The Production (Manufacturing) Function
2. Manufacturing Methods
3. Facilities (Plant) Location
4. Facilities (Plant) Layout
5. Production Planning and Control (PPC)
6. Aggregate Planning
7. Master Production Schedule
8. Operations Scheduling
9. Production Activity Control
10. JIT and Kanban
11. Project Planning & Control: Critical Path Analysis (PERT/CPM)
12. Maintenance of the Plant
13. Quality Management- I
14. Quality Management - II
15. Six Sigma
16. Work Study - I (Method Study)
17. Work Study - II (Work Measurement)
18. Operations Management in Service Sector

3. Management Information System

1. Management Information System
2. Information Technology
3. Data Communication and IT Enabled Services
4. Management and Decision Making
5. Information:
6. Decision Support System
7. System Analysis and Design
8. System Development
9. The Database Management System:
10. Data Warehousing and Data Mining:
11. Information Security and Control
12. Information Systems and Quality
13. Functional Applications
14. Applications in Service Sector

4. Introduction to Project Management

1. Introduction to Project Management
2. Project Phases and Organisation
3. Understanding and Meeting Client Expectations
4. Project Planning
5. Working with People on Projects
6. Networks for Project Management
7. Resource Levelling and Project Crashing
8. Project Implementation and Monitoring
9. Controlling Projects
10. Projects Contracts Management

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Sem. II

1. Operations Strategy

1. History of Operations Management - Current Status and Vision 2020
2. Operations Strategy - A Strategic Fit with Corporate, Business and
3. Technology Strategies
4. Operations Strategy and Competitive Dimension
5. Stakeholders and Strategy
6. Product/Process Design and Strategy
7. Operations Strategy and Market Requirements
8. Company / Product / Service Profiling and Downsizing
9. Capacity Decisions
10. Operation Strategy Implementation
11. Implementing Operation Strategy (Modern Techniques)
12. Strategic Quality Management, CAD, CAM and CIM
13. Delivering Value to Customers' Key Performance Indicators
14. Investment Decisions, Market Feedback and Organizational Learning

2. PROJECT SCOPE MANAGEMENT

1. Introduction to Project Scope Management
2. Plan Scope Management
3. Collect Requirements: Defining and Documenting the Stakeholder's Needs
4. Define Scope: Developing a Detailed Project Scope Statement
5. Create WBS: Subdividing Project Deliverables into Smaller Work Units
6. Validate Scope: Formalizing the Acceptance of the Deliverables
7. Control Scope: The Ongoing Process of Monitoring and Managing Changes to the Project Scope

3. PROJECT SCHEDULE MANAGEMENT

1. Project Time Management
2. Introduction: Time Management in Project Management
3. Define Activities
4. Sequence Activities
5. Estimate Activity Durations
6. Develop Schedule
7. Control Schedule

4. PROJECT COST MANAGEMENT

1. Project Costs
2. Promoter's Role/Functions, Data and Skills Requirements
3. Project Appraisal
4. Sources of Finance
5. Financial Feasibility Appraisal
6. Technical Feasibility Appraisal
7. Working Capital Arrangements and Terms and Conditions of Project Finance
8. Infrastructure Projects (Private Sector) Financing
9. Public-Private Partnership (PPP) Projects
10. Project Cost control

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Sem. III

1. PROJECT QUALITY MANAGEMENT

1. Plan Quality Management
2. Perform Quality Assurance
3. Control Quality

2. PROJECT HUMAN RESOURCE and PROJECT COMMUNICATION MANAGEMENT

1. Resource Planning
2. Managing projects through people
3. Managing Virtual Project Teams
4. Project Human Resource Management
5. Introduction to Project Communication
6. Managing Communications Effectively And Efficiently
7. Project Management Communication Plan
8. Project Communication Management Process

3. PROJECT RISK MANAGEMENT

1. Plan Risk Management
2. Identify Risks
3. Perform Qualitative Risk Analysis
4. Perform Quantitative Risk Analysis
5. Plan Risk Responses
6. Control Risks

04. PROJECT PROCUREMENT MANAGEMENT

1. Plan Procurement Management
2. Conduct Procurements
3. Control Procurements
4. Close Procurements

Sem. IV

1. INTRODUCTION TO AGILE MANAGEMENT

1. Introduction to Agile
2. Principles of Agile
3. Benefits of Agile
4. Advantages of Agile for Project Management
5. Combining Agile with other Methodologies
6. Popular Agile Methodologies

2. PROJECT INTEGRATION MANAGEMENT

1. Develop Project Charter
2. Develop Project Management Plan
3. Direct and Manage Project Work
4. Monitor and Control Project Work
5. Perform Integrated Change Control
6. Close Project or Phase

3. Project Stakeholder Management

1. Identify Stakeholders
2. Plan Stakeholder Engagement
3. Manage Stakeholder Engagement
4. Monitor Stakeholder Engagement

4. Project Submission by the students