



Course Objectives of CS 495:- IT Project Management



Course Objectives/ Contents

This course deals with the decisions and actions related to planning, organizing, leading, and controlling programs and projects.

- Understand the **overall delivery process**.
- Appreciate the **people skills** and **organizational roles** required
- Recognize the **key tools and techniques** used in Project Management
- Have **practiced** the above **with some case history**
- **Strategy, organization** and **leadership** in managing projects
- **Processes, methods & systems** used to plan, schedule and monitor projects



Course Objectives/ Contents

COURSE CONTENT (subject to minor modification in the outline below)

- **Introduction**
 - What is Project?
 - Triple constraint of every Project,
 - IT Project Success and Failure,
 - Why we need IT Project Management Knowledge
- **Project Management Frame Work**
 - Introduction to project management,
 - Portfolio, Programs, Projects, Project office,
 - Process groups, Project phases, and the Project life cycle,
- Stakeholders
- **Scope Management**
 - Initiation,
 - Scope definition,
 - Scope verification,
 - Scope change control
- **Change Management**
 - Change management,
 - Change control



Course Objectives/ Contents

COURSE CONTENT (.....)

- **Time Management**

- Activity definition, duration, estimating, sequencing,
- Schedule development, Schedule control,
- Critical path analysis

- **Cost Management**

- Cost estimating,
- Cost budgeting,
- Cost control

- **Risk Management**

- Risk management planning,
- Risk analysis-qualitative and quantitative,
- Risk response planning, monitoring and control

- **Quality Management**

- Quality planning,
- Quality assurance,
- Quality control



Course Objectives/ Contents

COURSE CONTENT (.....)

- **Human resource Management**
 - Organisation planning,
 - Staff acquisition,
 - Team development,
- **Communication Management**
 - Communication planning,
 - Information distribution,
 - Performance reporting
- **Procurement Management**
 - Procurement planning,
 - Source selection,
 - Contract administration and closure
- **Integration Management**
 - Project plan development,
 - Project plan execution,
 - Integration change control
- **Project Closing**



References

- Hand book of Project based Management 3rd edition By J. Rodney Tuner, 2009, (soft),
- Project Management: a Systems Approach to Planning, Scheduling and Controlling, 10th edition, 2009, By Harold Kerzner,
- Fundamentals of Project Management, Fourth Edition, by Joseph Heagney (soft)
- IT Project Management Practices Guide, published by ASU, HSC, TTU, TTUS (soft)
- Software Project Management : A Unified Framework, by Walker Royce
- PMI, A Guide to the Project Management Body of Knowledge (**PMBOK**® Guide), (soft 6th Edition)



References

- Samuel J. Mantel et al, Core Concepts of Project Management, John Wiley & Sons, Inc, 2001
- S.A. Kelkar, Information Technology Project Management, Prentice-Hall of India, Ltd, 2006
- Dale F. Cooper, et al, Project Risk Management Guidelines, John Wiley & Sons, Ltd, 2005
- Rory Burke, Project Management: Planning and Controlling Techniques, John Wiley & Sons, Ltd, 2003
- Dennis Lock, The Essentials of Project Management, Gower Publishing Ltd, 1996
- Lonnie Pacelli, The Project Management Advisor: 18 Major Project Screw-ups, and How to Cut Them off at the Pass, Pearson Education Inc, 2004



Course Objectives/ Contents

Credit:- 4 (total IT PM)

Evaluation Modes

– Assignments (multiple deliverables)	15%
– Project Assignment (Individual)	15%
– Mid Exam	20%
– Exam (final)	50%
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	100%

- **Class Schedule, Course Modes of Delivery**

- Two days per week, (Saturday → **face-to-face**, Friday 10:30AM → **Virtual**),
- Class attendance is mandatory (as per the School rules & regulation, 75%)
- **Makeup**, if class is missed due to unforeseen reasons and **Consultation**
(consultations are personal to students)