COURSE TITLE	**IT PROJECT MANAGEMENT**
COURSE CODE	**05FN0405**
COURSE CREDITS	**2**

Objective:

1 Understand the fundamental principles and methodologies of IT project management.
2 Develop skills to plan, execute, monitor, and close IT projects effectively.
3 Learn project scheduling techniques, cost estimation, and resource allocation.
4 Identify risks in IT projects and apply mitigation strategies to ensure project success.
5 Gain knowledge of quality assurance, stakeholder communication, and project evaluation.

Course Outcomes: After completion of this course, student will be able to:

1 Apply project management principles to IT-based projects.
2 Develop project plans with defined objectives, scope, and deliverables.
3 Use scheduling tools and risk management techniques in IT projects.
4 Monitor and control project progress using tracking methodologies.
5 Evaluate project success and document lessons learned for future improvements.

Pre-requisite of course:NA

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
2	0	0	50	30	20	0	0

Contents : Unit	Topics	Contact Hours
1	**Introduction to IT Project Management** Project Management Fundamentals,Definition, importance, and characteristics of IT projects,Role of an IT project manager,Project life cycle and phases, Project Planning and Initiation,Feasibility study and business case development,Project scope, objectives, and constraints,Work Breakdown Structure (WBS) and deliverables, Project Scheduling and Estimation,Estimating time, cost, and resources,Gantt charts, PERT, and CPM techniques,Critical path analysis	15

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Contents : Unit	Topics	Contact Hours
2	**Project Execution and Risk Management** Project Execution and Monitoring,Team management and stakeholder communication,Progress tracking and performance measurement,Change management in IT projects, Risk and Quality Management,Identifying and analyzing project risks,Risk mitigation strategies,Quality assurance and control in IT projects, Project Closure and Evaluation,Project handover and documentation,Post-project evaluation and lessons learned,Case studies of successful and failed IT projects	15
Total Hours		**30**

Textbook :

1 Information Technology Project Management, Kathy Schwalbe, Cengage Learning, 2019

2 IT Project Management: On Track from Start to Finish, Joseph Phillips, McGraw-Hill, 2017

References:

1 Project Management for IT-Related Projects, Project Management for IT-Related Projects, Bob Hughes, BCS Learning & Development, 2012

2 The Fast Forward MBA in Project Management, The Fast Forward MBA in Project Management, Eric Verzuh, Wiley, 2021

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	**Understand**	**Apply**	**Analyze**	**Evaluate**	**Higher order Thinking / Creative**
20.00	30.00	25.00	15.00	10.00	0.00

Instructional Method:

1 PPT,BOARD WORK

Supplementary Resources:

1 https://www.pmi.org/

2 https://www.investopedia.com/terms/p/project-management.asp

3 https://www.geeksforgeeks.org/software-engineering/12-project-management-challenges-and-how-to-solve-them/

4 https://www.geeksforgeeks.org/software-engineering/agile-project-management/

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Supplementary Resources:

5 https://www.geeksforgeeks.org/software-engineering/waterfall-model/