

4 th Semester	18MBA403E	Managing Software Projects	L-T-P 3-0-0	3 Credits	35 hrs
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Course Objectives

- To understand software Project Management and to know the different software development models.
- To understand Software Project Evaluation and know how to manage Programmes.
- To know how to select projects and to carry out software effort estimation.
- To know the Risk Management Process and how to allocate resources for Software Projects.
- To know how to monitor and control Software Projects.

Module – I:

Introduction to Software Project Management : Introduction– Software Project –vs–other Projects, Activities covered by Software Project Management– Plans, Methods and methodologies, Some ways of categorizing software projects, stakeholders– Project success and failure – Management Control

Module – II:

Project Evaluation and Programme Management : Project Portfolio Management, Evaluation of Individual projects, CBA techniques, Risk Evaluation, Programme Management, Managing the allocation of resources within programmes, Strategic Programme Management, Aids to programme management, Stepwise Project Planning

Module – III:

Selection of an appropriate project approach and Software Effort estimation: Build or buy– Choosing methodologies and technologies, Choice of process models, structure –vs– speed of delivery, Waterfall model, Spiral model, software prototyping, Selecting the most appropriate process model, Basis for Software Estimating, Software effort estimation techniques

Books :

- Bob Hughes, Mike Cotterell and Rajib Mall – Software Project Management – TMH– 2017
- Joel Henry, Software Project Management, Pearson, 2011
- Kathy Schwalbe, Project Management in IT, Cengage, 2011
- Sanjay Mohapatra – Software Project Management – Cengage –2011