

SOFTWARE PROJECT MANAGEMENT – MCS-31

Theory Paper – 100 Marks

Sessional – 50 Marks

UNIT - 1

Managing software projects Software product, process and project management CMM, KPAs .For project management, software process Improvement, resources management, team work and structure, training, project metric, documentation, project management. For conventional and object oriented software projects, software project, knowledge based management

UNIT 2

Project planning

Project planning infrastructure, process planning feasibility analysis cost and efforts estimation, models and technique, risk analysis and RAMM plan, project scheduling and tracking plan .SQA and quality planning ,SCM activities and plan , project management plan.

UNIT 3

PROJECT EXECUTION AND CLOSURE

Data collection, measurement , reviews, monitoring and control , status reporting , process input and output synchronization, deliverables , milestone recording and their analysis , defect analysis and prevention , audits

Project closure analysis and reporting.

UNIT 4

Project management for special classes of software project - Using CASE tools, CASE, re-engineering ,reverse ,forward engineering Client/server software engineering , web engineering , outsourcing , software project management standards

References:

1. Hughes and cotterell, software project management, 3e ,tata mcGRaw-hill pub. Cob. Ltd
2. Stephen r. schach ,”object –oriented and classical software engineering””5th edition, tata Mc graw-hill pub. Co.Ltd.
3. Dr panmkaj jalote , “software project management “” pearson publication
4. Dr. pankaj jalhote ,CMMIn practice ,prearson publication
5. R. pressmen , software engineering 5th edition Mcgraw Hill publication
6. Ian Somerville , software engineering , 5th edition ,AWL publication