CLUSTER UNIVERSITY SRINAGAR
(SYLLABUS)

Course Code	BCA-CR6102
Course Title	Software Project Management
Semester	BCA 6th Semester
Course Type & Credits	Core Paper - 04 Credits (L) + 02 Credits (T) = 06 Credits

Unit I

Introduction to Software Project Management, Project and characteristic of project, Project Management, Software Project Management, Activities of software project management, Plans, methods and methodologies, stakeholders, objective and sub objective, Project success and failure, Management and control Overview of Project Planning Introduction to different SPM tools like MS Project

Unit II

Selection of Project approach and effort estimation Project: Build or buy. Project Development Models: Waterfall Model, Spiral Model and Software prototyping, Dynamic System Development Model. Effort estimation: Introduction, stages of estimation, over and under estimation, basis for software estimating, software effort estimation techniques

Unit III

Activity Planning and Risk Management: Overview and objective of activity planning, When to plan, Project schedules, Project and activities, WBS, network diagram and identifying the critical path using PERT (Overview of PERT) Risk and categories, Risk identification, risk assessment, risk planning, risk management.

Unit IV

Resource Allocation: Introduction to Resource allocation, the nature of resources, Identifying resource requirements, Scheduling of Resources, cost schedules and scheduling sequence, Monitoring.

Suggested Readings:

1. Software Project Management by Bob Hughes & Mike Cotterell by Tata Mc. Hill. 5th Edition)
2. Software Project Management: a real world guide to success : By Joel Henry
3. Software Project Management : By Pankaj Jalote

L = Lecture, P = Practical, T = Tutorial