SOFTWARE PROJECT MANAGEMENT

Paper Code	**CEN-803**
Course Credits	**4**
Lectures / week	**3**
Tutorial / week	**1**
Course Description	**UNIT – I**

INTRODUCTION TO PROJECT MANAGEMENT

Project Management Concepts; define the characteristics of a project. Explain the need for project management. Compare and contrast the roles of project managers in organizational environments. Describe the systems development cycle. Explain the roles of systems analysis and systems management in the life cycle of a project.

UNIT- II

SOFTWARE PROJECT PLANNING

Project Activities, and work breakdown structure, Produce a statement of work (SOW) and decompose overall project goals. Develop a work breakdown structure (WBS), using established tools and techniques, to achieve stated project objectives.

UNIT- III

PROJECT MANAGEMENT PLAN

Project Scheduling and tracking techniques, Produce a task-flow network, using established tools and techniques, and analyze the contingencies, interrelationships, and critical path(s) of the work elements. Produce a Gantt chart, using established tools and techniques, to schedule the completion of all work elements.

UNIT- IV

PROJECT ECONOMICS

Project costing, project estimation techniques, automated estimation tools. Develop cost estimates and budgets with cost accounts to plan project expenditures.

UNIT – V

PROJECT CONTROL AND CLOSURE

Define the concept of earned value performance measurement. Describe how project management information systems (PMIS) are used to monitor, evaluate, and control planned cost and schedule performance. Project management issues with regards to new technologies.

References / Text Books:	• Mathur, S.S. Principles of Management" • Robbin. S.P., "Organizational Behavior" • Prof: KK Aggarwal & Yogesh Singh: SOFTWARE ENGG: • Pankaj Jalote, " An Integrated Approach to Software Engg." Narosa Publishing House, New Delhi. • Pressman "Principles of Software Engg." TMC, 5th Ed. 2005
Computer Usage / Software Requires:	