

CORE COURSE–XIV (CC)-SOFTWARE PROJECT MANAGEMENT

UNIT I

Introduction – Product Life – Project life cycle models - water fall model – Prototyping model – RAD model – Spiral Model – Process Models – Matrics.

UNIT II

Software Configuration Management – Definitions and terminology – processes and activities – Configuration audit – Matrics – Software Quality assurance – definitions – quality control and assurance – SQA Tools – Organisation of Structures - Risk Management – Risk Identification, quantification Monitoring – Mitigation.

UNIT III

Project initiation – Project Planning and tracking – cost, what, when and how – organizational processes – assigning resources – project tracking – project closure – when and how

UNIT IV

Software requirements gathering – steps to be followed – skills sets required – challenges – matrics – Estimation 3 phases of estimation – formal models for size estimation – translating size estimate to effort schedule estimate, matrics – Design and Development phases – reusability, Technology choices, Standards, Portability user interface – testability – diagonosability etc.

UNIT V

Project Management in testing phase – in the maintenance phase – Impact on internet on project Management.

TEXT BOOK

1. Gopaldaswamy Ramesh, “Managing Globle Software Projects” Tata McGraw Hill Publishing Company Ltd, New Delhi, 2002

REFERENCE

1. Bob Hughes and Mike Cotterell “Software Project Management”2nd edition, Tata McGraw Hill Publishing Company Ltd., New Delhi, 2002.