SARASWATI MAHILA MAHAVIDYALAYA

SESSION: **2021-2022**   SEM: EVEN
(MARCH-JUNE)

LESSON PLAN

Name of faculty: SONIYA RANI

Designation   : Assistant Professor in CS Dept.

Subject   : Software Engineering

Class   :   B.Sc cs 6th sem

Sr no	Topics/Chapters	Time Period	Academic Activities	Topics of Assignments /Test
1	Software and software engineering: Software characteristics, Software Processes, software crisis, Software life cycle models, Waterfall, Prototype, Evolutionary and Spiral Models, software engineering paradigms, goals and principles of software engineering.	21 MAR- 15 APR	Assignment: OOPs Concepts.	Test: Software Principles, Software life cycle phases & models
2	Software requirement analysis – Structured analysis, object-oriented analysis and data modeling, software requirement specification, validation. Software requirements Analysis and Specifications: Requirement engineering, requirements analysis using DFD, Data Dictionaries and E-R Diagram, requirement documentation, nature of SRS, characteristics and organization of SRS.	16APR- 30APR	Revision, Doubt Session,	Assignment: Software Requirement analysis Chapter
3	Software project management: Planning a software project, Software cost estimation, project scheduling, personnel planning, team structure Software configuration management, software quality and quality assurance, project monitoring, risk management.	01May- 20 MAY	Revision, Doubts Sessions	Test: Software project management concepts
4	Design and implementation of software- Software design fundamentals, software design principles, Cohesion and Coupling, Classification of Cohesion and Coupling, Function oriented design, objectoriented Design, design verification, monitoring and control..	20MAY – 15 JUNE	Revision, Doubts sessions	Assignment: Software Design Chapter,OOPs concepts.