

# Saraswati Mahila Mahavidyalaya, Palwal

## Lesson Plan :

Name of the Assistant/Associate Professor: Shweta Jain

Class and Section: Bsc III<sup>rd</sup> (6th sem)

Name of subject: PIW Engineering)

Subject Lesson Plan : 18 weeks(from January 2018 to April 2018)

(Note: Prepare as per list of holidays declared by Haryana govt.)

WEEK 1
ASSIGNMENT: Definition of software & its characteristics
WEEK 1, DAY 1, DATE :01/01/2018(MONDAY)
Definition and Introduction to software and its types
WEEK 1, DAY 2, DATE :02/01/2018(TUESDAY)
Software characteristics
WEEK 1, DAY 3, DATE :03/01/2018(WEDNESDAY)
Software processes
WEEK 1, DAY 4, DATE :04/01/2018(THURSDAY)
Software crisis
WEEK 1, DAY 5, DATE :05/01/2018(FRIDAY)
Holiday on account of Guru Govind Singh's Birthday
WEEK 1, DAY 6, DATE :06/01/2018(SATURDAY)

Test of S/W types & its characteristics

WEEK 2

ASSIGNMENT: <sup>various</sup> software life cycle model  
WEEK 2, DAY 1, DATE : 08/01/2018 (MONDAY)

Introduction to software development life cycle model

WEEK 2, DAY 2, DATE : 09/01/2018 (TUESDAY)

Lecture on various phases of SDLC

WEEK 2, DAY 3, DATE : 10/01/2018 (WEDNESDAY)

Waterfall model

WEEK 2, DAY 4, DATE : 11/01/2018 (THURSDAY)

Prototype model

WEEK 2, DAY 5, DATE : 12/01/2018 (FRIDAY)

Evolutionary model

WEEK 2, DAY 6, DATE : 13/01/2018 (SATURDAY)

Spiral model



WEEK 3

ASSIGNMENT: Goals and Principles of SW Engineering  
WEEK 3, DAY 1, DATE :15/01/2018(MONDAY)

SW Engineering Paradigms

WEEK 3, DAY 2, DATE :16/01/2018(TUESDAY)

Goals of SW Engineering

WEEK 3, DAY 3, DATE :17/01/2018(WEDNESDAY)

Principles of SW Engineering

WEEK 3, DAY 4, DATE :18/01/2018(THURSDAY)

Revision on all models

WEEK 3, DAY 5, DATE :19/01/2018(FRIDAY)

Revision on Goals & Principles

WEEK 3, DAY 6, DATE :20/01/2018(SATURDAY)

Test

WEEK 4

ASSIGNMENT: Software Requirement specification

WEEK 3, DAY 1, DATE :22/01/2018(MONDAY)

<b>Holiday on account of Basant Panchmi.</b>
WEEK 4 ,DAY 2 ,DATE :23/01/2018(TUESDAY)
Introduction to Requirement Engineering
WEEK 4,DAY 3 ,DATE :24/01/2018(WEDNESDAY)
<b>Holiday on account of Sir Chotu Ram Jayanti.</b>
WEEK 4 ,DAY 4 ,DATE :25/01/2018(THURSDAY)
Types of Requirements
WEEK 4,DAY 5 ,DATE :26/01/2018(FRIDAY)
<b>Holiday on account of Republic Day.</b>
WEEK 4 ,DAY 6 ,DATE :27/01/2018(SATURDAY)
Feasibility studies & Requirement Analysis
WEEK 5
ASSIGNMENT:
WEEK 5,DAY1 ,DATE :29/01/2018(MONDAY)
Structural Analysis
WEEK 5 ,DAY 2 ,DATE :30/01/2018(TUESDAY)
Object oriented Analysis
WEEK 5,DAY 3 ,DATE :31/01/2018(WEDNESDAY)
<b>Holiday on account of Guru Ravi Dass Jayanti</b>
WEEK 5 ,DAY 4 ,DATE :01/02/2018(THURSDAY)
Data Modelling



WEEK 5, DAY 5, DATE :02/02/2018(FRIDAY)

Requirements Documentation

WEEK 5, DAY 6, DATE :03/02/2018(SATURDAY)

Requirements validation

WEEK 6

ASSIGNMENT: Data Dictionary and E-R diagram

WEEK 6, DAY 1, DATE :05/02/2018(MONDAY)

Requirement Engineering

WEEK 6, DAY 2, DATE :06/02/2018(TUESDAY)

Requirements Analysis using DFD

WEEK 6, DAY 3, DATE :07/02/2018(WEDNESDAY)

Data Dictionaries

WEEK 6, DAY 4, DATE :08/02/2018(THURSDAY)

E-R Diagram

WEEK 6, DAY 5, DATE :09/02/2018(FRIDAY)

WEEK 6 ,DAY 6 ,DATE :10/02/2018(SATURDAY)
<b>Holiday on account of Maharshi Dayanand Saraswati Jayanti.</b>
WEEK 7
ASSIGNMENT: <i>Software Requirement specification Document</i>
WEEK 7,DAY1 ,DATE :12/02/2018(MONDAY)
<i>Nature of SRS</i>
WEEK 7 ,DAY 2 ,DATE :13/02/2018(TUESDAY)
<b>Holiday on account of Maha Shivaratri.</b>
WEEK 7,DAY 3 ,DATE :14/02/2018(WEDNESDAY)
<i>Characteristics of SRS</i>
WEEK 7 ,DAY 4 ,DATE :15/02/2018(THURSDAY)
<i>Organisation of SRS</i>
WEEK 7,DAY 5 ,DATE :16/02/2018(FRIDAY)
<i>Revision on all Topics</i>
WEEK 7 ,DAY 6 ,DATE :17/02/2018(SATURDAY)

Test

WEEK 8

ASSIGNMENT: Cocomo model

WEEK 8, DAY 1, DATE :19/02/2018(MONDAY)

Introduction to <sup>SIW</sup> Project management

WEEK 8, DAY 2, DATE :20/02/2018(TUESDAY)

Planning a <sup>SIW</sup> project

WEEK 8, DAY 3, DATE :21/02/2018(WEDNESDAY)

<sup>SIW</sup> Size Estimation

WEEK 8, DAY 4, DATE :22/02/2018(THURSDAY)

<sup>SIW</sup> Cost Estimation

WEEK 8, DAY 5, DATE :23/02/2018(FRIDAY)

Models to estimate cost, size

WEEK 8, DAY 6, DATE :24/02/2018(SATURDAY)

Revision



WEEK 9

ASSIGNMENT: *Project Scheduling*  
WEEK 9, DAY 1, DATE :26/02/2018(MONDAY)

*Project Scheduling*

WEEK 9, DAY 2, DATE :27/02/2018(TUESDAY)

*Personnel planning*

WEEK 9, DAY 3, DATE :28/02/2018(WEDNESDAY)

**VACATION -II**

WEEK 9, DAY 4, DATE :01/03/2018(THURSDAY)

**VACATION -II**

WEEK 9, DAY 5, DATE :02/03/2018(FRIDAY)

**VACATION -II**

WEEK 9, DAY 6, DATE :03/03/2018(SATURDAY)

**VACATION -II**

WEEK 10

ASSIGNMENT: *PIW Configuration Management*  
WEEK 10, DAY 1, DATE :05/03/2018(MONDAY)

*Team Structure*



WEEK 10, DAY 2, DATE :06/03/2018(TUESDAY)

Introduction to S/W Configuration mgt.

WEEK 10, DAY 3, DATE :07/03/2018(WEDNESDAY)

S/W Quality

WEEK 10, DAY 4, DATE :08/03/2018(THURSDAY)

S/W Assurance

WEEK 10, DAY 5, DATE :09/03/2018(FRIDAY)

Project monitoring

WEEK 10, DAY 6, DATE :10/03/2018(SATURDAY)

Introduction to  
S/W Risk management

WEEK 11

ASSIGNMENT: Risk management

WEEK 11, DAY 1, DATE :12/03/2018(MONDAY)

Risk management activities

WEEK 11, DAY 2, DATE :13/03/2018(TUESDAY)

## Typical s/w Risks

WEEK 11, DAY 3, DATE :14/03/2018(WEDNESDAY)

Revision

WEEK 11, DAY 4, DATE :15/03/2018(THURSDAY)

Revision

WEEK 11, DAY 5, DATE :16/03/2018(FRIDAY)

Presentation on s/w Configuration mgt.

WEEK 11, DAY 6, DATE :17/03/2018(SATURDAY)

Presentation on s/w Configuration mgt.

WEEK 12

ASSIGNMENT: s/w design fundamentals and principles  
WEEK 12, DAY 1, DATE :19/03/2018(MONDAY)

Introduction to Design of s/w

WEEK 12, DAY 2, DATE :20/03/2018(TUESDAY)

s/w design fundamentals



WEEK 12, DAY 3, DATE :21/03/2018(WEDNESDAY)

S/W design Principles

WEEK 12, DAY 4, DATE :22/03/2018(THURSDAY)

modularity

WEEK 12, DAY 5, DATE :23/03/2018(FRIDAY)

**Holiday on account of Shahidi diwas.**

WEEK 12, DAY 6, DATE :24/03/2018(SATURDAY)

strategy of Design

WEEK 13

ASSIGNMENT: Cohesion and Coupling

WEEK 13, DAY 1, DATE :26/03/2018(MONDAY)

Introduction to cohesion and coupling

WEEK 13, DAY 2, DATE :27/03/2018(TUESDAY)

classification of cohesion

WEEK 13, DAY 3, DATE :28/03/2018(WEDNESDAY)

Classification of Coupling

WEEK 13, DAY 4, DATE :29/03/2018(THURSDAY)

**Holiday on account of Mahavir jayanti.**

WEEK 13, DAY 5, DATE :30/03/2018(FRIDAY)

Inter-relationship b/w cohesion and  
Coupling

WEEK 13, DAY 6, DATE :31/03/2018(SATURDAY)

Revision on cohesion & coupling

WEEK 14

ASSIGNMENT: *Function and Object oriented Design*

WEEK 14, DAY 1, DATE :02/04/2018(MONDAY)

Test

WEEK 14, DAY 2, DATE :03/04/2018(TUESDAY)

Introduction to Function oriented design

WEEK 14, DAY 3, DATE :04/04/2018(WEDNESDAY)



Functional Procedure Layers

WEEK 14, DAY 4, DATE :05/04/2018(THURSDAY)

Introduction to Object Oriented Design

WEEK 14, DAY 5, DATE :06/04/2018(FRIDAY)

Basic Concepts and steps to analyze and Design Object Oriented System

WEEK 14, DAY 6, DATE :07/04/2018(SATURDAY)

Design Verification

WEEK 15

ASSIGNMENT: S/W Monitoring and Control

WEEK 15, DAY 1, DATE :09/04/2018(MONDAY)

S/W Monitoring

WEEK 15, DAY 2, DATE :10/04/2018(TUESDAY)

S/W Control

WEEK 15, DAY 3, DATE :11/04/2018(WEDNESDAY)

Discussion on all topics

WEEK 15, DAY 4, DATE :12/04/2018(THURSDAY)

Revision

WEEK 15, DAY 5, DATE :13/04/2018(FRIDAY)

Test

WEEK 15, DAY 6, DATE :14/04/2018(SATURDAY)

Holiday on account of Vaisakhi & Dr B.R. Ambedkar's Jayanti.

WEEK 16

ASSIGNMENT: Question on Previous syllabus

WEEK 16, DAY 1, DATE :16/04/2018(MONDAY)

Class doubts

WEEK 16, DAY 2, DATE :17/04/2018(TUESDAY)

Class presentation

WEEK 16, DAY 3, DATE :18/04/2018(WEDNESDAY)



**Holiday on account of Maharshi Pasuram Jayanti**

**WEEK 16, DAY 4, DATE :19/04/2018(THURSDAY)**

Class doubts

**WEEK 16, DAY 5, DATE :20/04/2018(FRIDAY)**

Class discussion on Previous year Question papers

**WEEK 16, DAY 6, DATE :21/04/2018(SATURDAY)**

Revision

**WEEK 17**

**ASSIGNMENT:**

**WEEK 17, DAY 1, DATE :23/04/2018(MONDAY)**

Oral Test

**WEEK 17, DAY 2, DATE :24/04/2018(TUESDAY)**

Class discussion to solve previous year  
Question papers

**WEEK 17, DAY 3, DATE :25/04/2018(WEDNESDAY)**

Revision

WEEK 17, DAY 4, DATE :26/04/2018(THURSDAY)

Revision

WEEK 17, DAY 5, DATE :27/04/2018(FRIDAY)

Revision

WEEK 17, DAY 6, DATE :28/04/2018(SATURDAY)

Revision

WEEK 18

ASSIGNMENT:

WEEK 18, DAY 1, DATE :30/04/2018(MONDAY)

Revision

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