

Saraswati Mahila Mahavidyalaya, Palwal

Lesson Plan :

Name of the Assistant/Associate Professor: Mamta

Class and Section: BCA - 2nd yr.

Name of subject: Software - 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: Software & its Types.
WEEK 1, DAY 1, DATE :01/01/2018(MONDAY)
Introduction of Software, Types of Software
WEEK 1, DAY 2, DATE :02/01/2018(TUESDAY)
Software Crisis
WEEK 1, DAY 3, DATE :03/01/2018(WEDNESDAY)
Software Crisis Continue
WEEK 1, DAY 4, DATE :04/01/2018(THURSDAY)
Software process & its characteristics.
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)

Software life cycle

WEEK 2

ASSIGNMENT:

WEEK 2, DAY 1, DATE :08/01/2018(MONDAY)

Continue software life-cycle Model.

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

Types of Models, Waterfall-Model,
Prototype Model

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

Evolutionary Model

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

Revision

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

Spiral Model

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

Test on slow development life-cycle.

WEEK 3

ASSIGNMENT: software development life-cycle.

WEEK 3, DAY 1, DATE :15/01/2018(MONDAY)

Requirement Engineering.

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

Requirement analysis using DFD.

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

Presentation.

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

Data-Dictionary, Introduction of ER-Diagrams.

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

Types of ER-Diagrams.

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

Requirement documents.

WEEK 4

ASSIGNMENT:

WEEK 4, DAY 1, DATE :22/01/2018(MONDAY)

Holiday on account of Basant Panchmi.

WEEK 4, DAY 2, DATE :23/01/2018(TUESDAY)

Software Requirement specification.

WEEK 4, DAY 3, DATE :24/01/2018(WEDNESDAY)

Holiday on account of Sir Chotu Ram Jayanti.

WEEK 4, DAY 4, DATE :25/01/2018(THURSDAY)

Discussion on S/W requirements.
specification.

WEEK 4, DAY 5, DATE :26/01/2018(FRIDAY)

Holiday on account of Republic Day.

WEEK 4, DAY 6, DATE :27/01/2018(SATURDAY)

SRS - Introduction, characteristics of
SRS (Software - Requirement - Specification)

WEEK 5

ASSIGNMENT:

WEEK 5, DAY 1, DATE :29/01/2018(MONDAY)

organisation of SRS.

WEEK 5, DAY 2, DATE :30/01/2018(TUESDAY)

Revision of SRS.

WEEK 5, DAY 3, DATE :31/01/2018(WEDNESDAY)

Holiday on account of Guru Ravi Dass Jayanti

WEEK 5, DAY 4, DATE :01/02/2018(THURSDAY)

The management spectrum, The people,
The problem.

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

The Process, Process & Information

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

The process and the project.

WEEK 6

ASSIGNMENT: Software project planning.

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

Continue, The process & project.
Discussion on previous topic.

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

Software project - planning.

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

Presentation on software
project planning.

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

Size Estimation like line of code,
Size Estimation Model.

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

Revision.

WEEK 6, DAY 6, DATE :10/02/2018(SATURDAY)

Holiday on account of Maharshi Dayanand Saraswati Jayanti.

WEEK 7

ASSIGNMENT:

WEEK 7, DAY 1, DATE :12/02/2018(MONDAY)

software project - planning.
- Function Count

WEEK 7, DAY 2, DATE :13/02/2018(TUESDAY)

Holiday on account of Maha Shivaratri.

WEEK 7, DAY 3, DATE :14/02/2018(WEDNESDAY)

Continue software project - planning

WEEK 7, DAY 4, DATE :15/02/2018(THURSDAY)

Test on cost - Estimation - Model.

WEEK 7, DAY 5, DATE :16/02/2018(FRIDAY)

Discussion with students on Test - Topic.

WEEK 7, DAY 6, DATE :17/01/2018(SATURDAY)

Constructive Cost-Model (Cocomo)

WEEK 8

ASSIGNMENT: Cocomo-Model
WEEK 8, DAY 1, DATE :19/02/2018(MONDAY)

Cocomo- Continue Cocomo.

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

Oral - Test & Revision.

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

Introduction about Risk - Risk mgmt.

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

Continue - Risk - Management.

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

Presentation. & Oral Test.

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

Introduction about previous-lectures delivered.

WEEK 9

ASSIGNMENT:

WEEK 9, DAY 1, DATE :26/02/2018(MONDAY)

Solving problems of students.

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

Discussion - about previous lectures.

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:

WEEK 10, DAY 1, DATE :05/03/2018(MONDAY)

Introduction - Coupling, Cohesion.

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

Classification of cohesion.

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

Types of Coupling, Time coupling, Stamp-Coupling.

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

Revision.

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

Function oriented design.

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

Introduction about Object-oriented design.

WEEK 11

ASSIGNMENT:

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

Oral Test & Revision.

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

Software Metrics, Software Requirements
Token Ring.

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

Halsted's Science Method.
&
Design Metrics.

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

Data-Structure Material

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

Oral-Test & Revision.
Taking problems of students.

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

Relationship b/w design & Implementation.

WEEK 12

ASSIGNMENT:

WEEK 12, DAY 1, DATE : 19/03/2018 (MONDAY)

Written-Test on Coupling & Cohesion.

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

Discussion on Test-Topic.

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

Implementation issues and programming support - environment.

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

Design metrics.

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

Holiday on account of Shahidi diwas.

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

Continue previous - topic.

WEEK 13

ASSIGNMENT: Coding & Good Coding Styles.

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

Coding The procedural design.

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

Good - coding style.

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

Continue Good coding
style.

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

Holiday on account of Mahavir jayanti.

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

Topic,
Discussion of previous lecture.

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

Software Testing, Testing Types.
Unit Testing, Alfa Testing, Beta-Testing.

WEEK 14

ASSIGNMENT:

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

Integration Testing, Module Testing.
Black Box Testing, white box testing.

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

Revision.

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

Testing Process, Designing of Test cases.

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

Test on Testings.

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

Functional Testing, Structural Testing.

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

Debugging, Types of Debugging, Debugging activities.

WEEK 15

ASSIGNMENT:

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

Software maintenance, Types of maintenance

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

Oral Test.

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

Maintanace Process.

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

Reverse Engeneering.

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

Revision.

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

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

WEEK 16

ASSIGNMENT:

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

Test on Maintanance & Types of Mainta-
nace.

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

Discussion with students on test.

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)

Revision

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

Revision

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

Revision

WEEK 17

ASSIGNMENT:

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

Revision

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

Revision

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

Revision

Maya
19/12/17

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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