**ASDM (Software Engineering Online Mode)**

**Day 1: 06-04-2020**

- Introduction activity (Swing / scenery)

- PPT 1 Introduction to Software Engineering

- PPT 2 SDLC and its models

- Udemy link (It is a free course. Please create a udemy account and sign in to access the link)

SDLC and its models (design models)

<https://www.udemy.com/share/101EjEBUoZdlZbRX4=/>

**Day 2 : 07/04/2020**

**Content for ASDM Module Day 2**

Syllabus to be covered today:

Design and Architectural Engineering

a. Characteristics of Good Design

b. Function Oriented vs Object Oriented System

c. Modularity, Cohesion, Coupling, Layering

Lesson Plan:

Start with the story of the three pigs and the wolf. Image shared in the zip folder. 1st Image (What happens without design)

2nd image (What happends with design)

Then, give the ppt

PPT\_3\_Design and Architectural Engineering

MCQ on the topics for Day1 will be posted by @+91 81495 35480

**Day 3 : 08/04/2020 ASDM**

Topic: UML diagrams

Content:

PPT\_4 Session 3 UML.pdf

Other reference Material: by Mr. Vijay Jain, CDAC Mumbai

UML.pdf

UML Examples.pdf

Youtube links on UML diagrams

Use Case

https://www.youtube.com/watch?v=zid-MVo7M-E

Class Diagram

https://www.youtube.com/watch?v=UI6lqHOVHic&t=499s

Sequence Diagram

https://www.youtube.com/watch?v=pCK6prSq8aw

Activity Diagram

https://www.youtube.com/watch?v=DzC3EX-oDeM

Component Diagram

https://www.youtube.com/watch?v=z6bm69lA-DI

Reference Link of various UML examples of projects

https://www.uml-diagrams.org/index-examples.html

Assignment: Make the diagrams for the Mini-project

Submission deadline for Use Case, Class Diagram is 9th April 9:00 a.m.

Quiz on Day 2 will be shared by Madhuri

**Day 4: Thursday 08/04/2020**

Topics: SRS, SDD - UML

Content:

"5 Template\_SRS.doc"

"6 Template\_SDD.doc" (Except ER Diagram and its Mapping)

Assignment:

1. Activity Diagram and Sequence Diagram

Deadline: 10th April 2020 9:00 a.m.

2. Complete the SRS & SDD for the mini-project

Deadline: 12th April 2020 9:00 a.m.

**Day 5 & Day 6: 10/04/2020**

Syllabus:

Agile & Jira

Content:

Udemy link on Agile & Jira (free)

https://www.udemy.com/share/101Cq6BUoZdlZbRX4=/

Other reference material

PDF: Agile.pdf

PPT: Agile Software Development.ppt

This is the Jira community page for basic introduction

https://confluence.atlassian.com/jira/jira-documentation-1556.html?\_ga=2.171919843.2102930341.1586417379-1823723158.1586417379

Youtube link for JIra: adding subtasks and creating sprint

https://www.youtube.com/watch?v=FxQBsXu4pxc