

DR. NAGHARVA

KHEMRAWAS, FARRUKHNAGAR, GURGAON, HR

Department:

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code: Principles of Software Engineering (CSE-302F)

Name of Faculty with designation : Ms. Ashima Mehta (Assistant Professor)

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
January	09.01.2018 Tuesday	VI-CSIT& ECS	1	Introduction to Software Engineering Process	.....
January	11.01.2018 Thursday	VI-CSIT& ECS	1	Emergence and Evolving Role of Software Engineering		
January	12.01.2018 Friday	VI-CSIT& ECS	1	Software Life Cycle Model-I		
January	16.01.2018 Tuesday	VI-CSIT& ECS	1	Software Life Cycle Model-II		Assignment of 02 Ques. given
January	18.01.2018 Thursday	VI-CSIT& ECS	1	Software Life Cycle Model-III and Software Characteristics		
January	19.01.2018 Friday	VI-CSIT& ECS	1	Applications and Software Crisis		
January	20.01.2018 Saturday	VI-CSIT& ECS		.....	Review of a. QEEE, b. NPTEL LCs, c. CISCO Academy	
January	23.01.2018 Tuesday	VI-CSIT& ECS	1	Introduction to Project Management		
January	25.01.2018 Thursday	VI-CSIT& ECS	1	Introduction to Project Management and Related Concepts		
January	30.01.2018 Tuesday	VI-CSIT& ECS	1	Software Process and Project Metrics		
February	01.02.2018 Thursday	VI-CSIT& ECS	1	Project Planning & Project Size Estimation Metrics		
February	02.02.2018 Friday	VI-CSIT& ECS	1	Various Project Estimation Techniques		
February	06.02.2018 Tuesday	VI-CSIT& ECS	1	COCOMO Estimation Technique and Staff Level Estimation		Assignment of 02 Ques. given
February	08.02.2018 Thursday	VI-CSIT& ECS	1	Risk Analysis & Management and Team Structures		

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February	09.02.2018 Friday	VI-CSIT& ECS	1	Project Scheduling & Tracking Concepts		
February	13.02.2018 Tuesday	VI-CSIT& ECS	2	Introduction to Requirement Analysis and Specification		
February	15.02.2018 Thursday	VI-CSIT& ECS	2	Analysis Principles, Partitioning Software and Prototyping, Tools		
February	16.02.2018 Friday	VI-CSIT& ECS		.....	Review of Department Progress-I	
February	17.02.2018 Saturday	VI-CSIT& ECS		.....	Review of a. EDC Cell, b. Spoken Tutorial, c. eYantra Lab, d. Rotract & NSS Wing	
February	19-24.02.2018 Mon-Sat	VI-CSIT& ECS		.....	First Sessional Test	
February	27.02.2018 Tuesday	VI-CSIT& ECS	2	Software Requirements Specification (SRS) and Review Analysis Modeling		
March	06.03.2018 Tuesday	VI-CSIT& ECS	2	Data Modeling, Functional Modeling and Information Flow Concepts		
March	08.03.2018 Thursday	VI-CSIT& ECS	2	Data Flow Diagrams (DFD) with Example		
March	09.03.2018 Friday	VI-CSIT& ECS	2	Mechanics of Structured Analysis (Creating ER Diagram)		
March	13.03.2018 Tuesday	VI-CSIT& ECS	2	Data Flow Model Vs Control Flow Model and Data Dictionary		
March	15.03.2018 Thursday	VI-CSIT& ECS	2	Introduction to System Design and Its Related Concepts		
March	15.03.2018 Friday	VI-CSIT& ECS	2	Abstraction, Refinement, Modularity, Data Structure, Information Hiding		
March	16-17.03.2018 Fri-Sat	VI-CSIT& ECS		.....	Sports Meet (Only Final Rond)	
March	20.03.2018 Tuesday	VI-CSIT& ECS	2	Effective Modular Design Concepts i.e. Cohesion and Coupling, Design Documentation		
March	22.03.2018 Thursday	VI-CSIT& ECS	3	Introduction to Architecture Design Concepts Including Data Design, Databasis and Data Warehouse		Assignment of 02 Ques. given
March	23.03.2018 Friday	VI-CSIT& ECS	3	Mapping Requirements into Software Architecture and Transform Mapping		
March-April	26.03.2018 to 02.04.2014 Mon-Mon	VI-CSIT& ECS		Second Sessional Test	

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April	03.04.2018 Tuesday	VI-CSIT& ECS	3	Testing Concepts: Testing Fundamental, Principles, Test Case Design and Objecties		
April	05.04.2018 Thursday	VI-CSIT& ECS	3	Types of Testing-I		
April	06.04.2018 Friday	VI-CSIT& ECS	3	Types of Testing-II and Verification & Validation		
April	10.04.2018 Tuesday	VI-CSIT& ECS		.....	Parents Teacher Meet, Project Competition "Innovision-2018"	
April	12.04.2018 Thursday	VI-CSIT& ECS	3	Debugging Process, Software Re-Engineering, Reverse Engineering and Forward Engineerng		
April	13.04.2018 Friday	VI-CSIT& ECS	3	Testing for Specialized Environments, Architectures and Applications		
April	17.04.2018 Tuesday	VI-CSIT& ECS	4	Introduction to Software Reliability and Quality Assurance Concepts, SQA Activities	Review of Department Progress-III	
April	19.04.2018 Thursday	VI-CSIT& ECS	4	Software Reviews: Cost Impact of S/W Defects and Removal, Formal Technical Reviews, Review Meeting and Reporting, Record Keeping and Review Guidelines, Formal Approaches to SQA		
April	20.04.2018 Friday	VI-CSIT& ECS	4	Measures of S/W Reliability and Availability, ISO 9000 Quality Standard, ISO 9001 & Software Configuration Management, CASE Building Blocks, Integrated Case Environments, Architecture and Repository		
April	21.04.2018 Saturday	VI-CSIT& ECS		.....	Final Project Presentation	
April	23-28.04.2018 Mon-Sat	VI-CSIT& ECS		.....	Pre-University Test (Tentative)	
April	30.04.2018 Monday	VI-CSIT& ECS		.....	Presentation of Department Progress	
May	01-02.05.2018 Tue-Wed	VI-CSIT& ECS		.....	Viva-Voce	