

Faculty Name : Shabnam Arora

Class :BCA II

Subject:Software Engineering

Youtube Channel Link:

https://www.youtube.com/feed/my_videos

Sr. no	Week	Contents	Mode of lecture Delivery
1	31st August to 5th September	1 Introduction: 2 Program vs. Software 3 Types of Software 4 Application Software 5 System Software	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
2	7th September to 12th September	Software Engineering, 2Programming paradigms, 3Software Crisis – 4 problem and causes,	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
3	14th Sept to 19th Sept	Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance,	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
4	21st Sept to 26th Sept	Software Development Process Models: Waterfall, Prototype, Evolutionary and Spiral models, Role of Metrics.	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
5	28th Sept to 3rd oct	Feasibility Study, Software Requirement Analysis and Specifications: SRS, Need for SRS	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video

6	5th Oct to 10th Oct	Characteristics of an SRS, Components of an SRS, Problem Analysis, Information gathering tools	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
7	12th Oct to 17th Oct	Organising and structuring information, Requirement specification, validation and metrics.	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
8	19th Oct to 24th Oct	Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision trees,	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
9	26th Oct to 31st Oct	Structured English, Entity-Relationship diagrams .Software Project Planning: Cost estimation: COCOMO model,	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
10	2nd Nov to 7th Nov	Project scheduling, Staffing and personnel planning, team structure, Software configuration management, Quality assurance plans, Project monitoring plans, Risk Management.	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
11	9th Nov to 14th Nov	Software testing strategies: unit testing, integration testing, V and V	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
12	16th Nov to 21st Nov	System testing, Alpha and Beta testing. Black box, white box testing. Cyclomatic Complexity.	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video

13	23rd Nov to 28th Nov	Software Implementation and Maintenance:	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
14	30th Nov to 5th Dec	Type of maintenance, Management of Maintenance, Maintenance Process, maintenance characteristics.	1 Google Classroom 2Google Meet and Zoom Meet 3 Youtube Video
15	7th Dec onwards	Test and revision	