



**Xavier Institute of Engineering**

**Mahim, Mumbai 400016**

**Department of Information Technology**

(Affiliated to University of Mumbai)

**Class: TE Semester: V**

**AY:2022-23**

**Innovation/Creativity of Teaching and learning activity**

**Course Name – Software Engineering**

**Course code- ITC504**

**Pedagogy used in Teaching:** Blended learning (YouTube Videos)

**Mapped POs-** PO1 to PO4, PO8 to PO12

**Objective-** To stimulate the cognitive processes of thinking, reasoning, problem-solving, decision-making, and creating. Videos take the student beyond recall-and-relate activities and engage them with more complex themes and content.

**Date of Conduction-** July & August 2022

**Method –**

The videos were displayed in the classroom during lecture time. The students were informed to watch the video and summarize the concepts of explained in the videos. List of the videos is enlisted here.

1. Software development life cycle  
[https://www.youtube.com/watch?v=Fi3\\_BjVzpqk](https://www.youtube.com/watch?v=Fi3_BjVzpqk)  
<https://www.youtube.com/watch?v=DRDD7UWX2v4>
2. Waterfall model  
[https://www.youtube.com/watch?v=Y\\_A0EIToC\\_I](https://www.youtube.com/watch?v=Y_A0EIToC_I)
3. Agile Way Of Working  
<https://www.youtube.com/watch?v=D3iu2klZ3w4>
4. Agile principles and values  
[https://www.youtube.com/watch?v=PD\\_qJmTMjag](https://www.youtube.com/watch?v=PD_qJmTMjag)
5. Scrum  
<https://www.youtube.com/watch?v=2Vt7Ik8Ublw>
6. Kanban Boards: A Simple Introduction  
<https://www.youtube.com/watch?v=9AexBnRvwy4>

7. Kanban vs Scrum | Difference between Kanban and Scrum

<https://www.youtube.com/watch?v=F5OIqFEDv2k>

8. Requirement Gathering & Analysis Phase in SDLC

<https://www.youtube.com/watch?v=uo98gmTYmxg>


9. User and System Requirements

<https://www.youtube.com/watch?v=vpNnZDwC> vs

**Outcome-**

The students were able to

- i) Understand the theoretical concepts of software engineering and apply them on the selected case study topics and prepare the documents.
- ii) demonstrate effective individual and team operations-- communication, problem solving, conflict resolution and leadership skills.

  
Meena Ugale  
Subject in-charge