

CSE 3421

Software Engineering

Trimester: **Summer 2021**

Instructor: **Md. Rafi Ur Rashid**

Before Jumping into the list of lessons, Let's talk about the **Course Outcome** at first. Why should we spend our time with this course? 🤔

First of all, not a single item in this course will be merely **theoretical**. Each of them has **practical significance** in today's software realm. From my work experience as a software engineer in one of the top ranked software firms in Bangladesh, I tried to include those particular lessons in this course which are **fundamental** and a 'must-learn' for any potential software engineer. So, after a successful completion of this course, students will get a clear concept about the **modern challenges and demands** in software engineering, and also strengthen their knowledge to deal with these challenges in future.

Now let's see, what we will learn in this exciting course-

Class 1-2: Software development Methodologies

Class 3-6: UML class diagram, Use case diagram

Class 7-10: Design Patterns

Class 11-13: Version Control and Git

Class 14-15: Software Testing

Class 16-18: Application Architecture, MVC model

Class 19-20: Current Trend in software industry- Web and Mobile application

Class 21-22: User Interface, I/O design

Class 23-24: Software Security and Quality assurance

Okay, I hope you got an insight of the course contents. It's a tentative plan, some inclusion-exclusion may happen based on the situation.

Now it's the time to decide how we will understand our **progress**. 😊

Here's how-

We will have:

- Class test- 4/5 times
- **Real time Quiz** (What's that!!) - 4/5 times as well
- Small and sweet assignments – 2/3 times perhaps
- And.....**A suspense for the daredevils during the last week!**

Now, **THE MOST IMPORTANT PART**. If you honestly want to be a software engineer in your future career, you will not merely try to extort the contents of this course for improving your CGPA. Rather you will enjoy every single moment of learning in this course, like a kid learns its mother tongue during its childhood. Because these are like the 'ABCD's of a software engineer's life; and you dream of living this.

So, please don't disappoint this awesome course by merely bothering about your CGPA. Just stay focused on learning the contents, Mr. CGPA will grow up automatically.

Always Good luck. 👍

Md. Rafi-Ur-Rashid
Lecturer, dept. of CSE, UIU