COURSE OUTLINE

Course Code: CSE 308   **Credit: 0.75**

Course Title: Software Engineering Sessional

Level-Term: 3-1 (July 2022)   Section: All

Course Teachers:

Name:	Initial	E-mail and Telephone:
A.K.M. Mehedi Hasan	MHE	mehedi_hasan@cse.buet.ac.bd
Ajmain Yasar Ahmed	AYAS	yasar199510@gmail.com
Sajib Acharjee Dip	SAD	sajibacharjee108@gmail.com

Course Outline:

Sessional based on CSE 307; Sample topics include following: Design pattern implementation, Software Prototyping, Software Testing, Software Documentation, etc.

Learning Outcomes/Objectives:

After undergoing this course, students should be able to:

  i.   Be acquainted with standard software practices.
  ii.   Implement various design patterns used in software/system design.
  iii. Get familiar with software testing protocols.

Assessment:

  Attendance: 05%

  Offline: 30~40%

  Online: 30~40%

  Quiz: 15~20%

Learning Resources:

a. Head First Design Patterns by Eric Freeman, Elisabeth Robson, Bert Bates, Kathy Sierra

b. Design Patterns: Elements of Reusable Object-Oriented Software by Erich Gamma, Richard Helm, Ralph Johnson, and John Vlissides

Tentative Schedule:

Week	Topics
Week 1-2	Demo Class on Git & Offline 1 Declaration
Week 3-4	Offline 1 Evaluation & Online 1 (on Offline 1)
Week 5	Offline 2 Declaration
	MID
Week 6-7	Offline 2 Evaluation & Online 2 (on Offline 2)
Week 8	Demo Class on Docker & Software Testing
Week 9-10	Online 3 (on Software testing) & Offline 3 Declaration
Week 11-12	Offline 3 Evaluation & Online 4 (on Offline 3)
Week 13	Quiz

Note that, the schedule is tentative and can be changed during the course timeline.

Prepared by:	
Name and Designation:	A.K.M. Mehedi Hasan Lecturer, Department of CSE, BUET, Dhaka-1000.
Signature:	