Department of Computer Science and Engineering, BUET

COURSE OUTLINE

1. **Course No.: CSE 326**
2. **Course Title: Information System Design Sessional**
3. **Level/Term: L-3/T-II**
4. **Academic Session: January 2023**

Course Teacher(s):

Name:	Designation	E-mail	Room No.
Dr. Anindya Iqbal (AI)	Professor	anindya@cse.buet.ac.bd	411
Tahmid Hasan (HT)	Assistant Professor	tahmid@teacher.cse.buet.ac.bd	409
Md. Masum Mushfiq (MMM)	Lecturer	masummushfiq94@gmail.com	418
Md. Toufikuzzaman (MTZ)	Lecturer	md.toufikzaman@gmail.com	209

Course Outline:

Sessional activities based on CSE 325 (Information system design): Project ideas, Requirement analysis, BPMN diagram, Interaction diagram, Mock UI, State diagram, ER diagram, State diagram, Software input output and flow understanding.
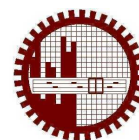
Learning Outcomes/Objectives:

After undergoing this course, students should be able to:

i. Be acquainted with actual system development environment
ii. Implement feasibility and requirement analysis of real-life projects by themselves
iii. Use different UML diagrams

Assessment:

UML diagrams and presentations: 60-75%

Partial software demonstration: 15-20%

Report: 10-20%

Learning Resources:

a. System analysis and design, (by Kendall & Kendall)

b. Software Engineering: a practitioner's approach (by Roger S. Pressmana)

Tentative Schedule:

Week	Topics
Week 1	Discussion on course outline and project assignment
Week 2-3	Finalization of project scopes
Week 4-5	Presentation 1 (Requirements analysis using BPMN diagram)
Week 6-7	Presentation 2 (Mock UI)
Week 8-9	Presentation 3 (Class diagram) (+ ER diagram)
Week 10-11	Presentation 4 (Collaboration diagram) (Sequence diagram + State diagram)
Week 12-13	Partial software demonstration using an appropriate architecture (implementation of at least one feature; project must be deployed in a public cloud.)
End of week 13	Report submission

Prepared by:	
Name and Designation:	Tahmid Hasan Assistant Professor Department of CSE, BUET, Dhaka-1000.
Signature:	