Requirement Engineering
Fall 2020

Dr. Abdul Aziz

Asst. Prof. Department of SE

NUCES – KHI

Brief Course Outline

- *Basics of RE*
- *Project Initiation*
- *Elicitation Techniques*
- *Modeling Enterprises*
- *Modeling Information and Behaviour*
- *Quality Requirements*
- *Specifications & Validation*
- *Managing Change and Inconsistency*

Books

- "Requirements Engineering: Processes and Techniques" by Gerald Kotonya and Ian Sommerville

- "Requirements Engineering: A Roadmap" by B. A. Nuseibeh and S. M. Easterbrook

Assesments

- 4 Quizzes, 2 assignments and 1 project.
  Schedule:
  - 1st Quiz third class of week 3
  - 2nd Quiz third class of week 5
  - 3rd Quiz third class of week 7
  - 4th Quiz third class of week 9
  - 1st Assignment in week 1 and second in week 8.
  - Project Proposal due in week 3.
  - Project Submission in week 13/14.

Marks Distribution

- Quizzes   08   marks
- Assignments   08marks
- Midterm Exam   24   marks (12x2)
- Project   15marks
- Final Exam   45marks
- Total   100 marks

Online Resources

- Online Class Link : https://meet.google.com/yyq-xvxj-rns

- Google Classroom Code: efe6hag

Software Development Life Cycle (SDLC)

"You've got to be very careful if you don't know where you're going, because you might not get there."

Yogi Berra

SDLC Model

A framework that describes the activities performed at each stage of a software development project.

Requirements Gathering
- SRS
- Contract

Analysis
- Feasibility Report
- Final SRS
- Detailed Schedule

Design
- Logical
- Physical
- SDS
- Interfaces
- Files
- Database

Code
- Prototypes
- Software

Testing
- Test Cases
- Builds
- SQA Documents

Implementation
- Tested version
- User Manuals

Support & Maintenance
- Training modules
- User Acceptance
- Change Management