CS 3202 Software Engineering Project

Introduction

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Learning Outcomes

- To develop a software system
- To apply software engineering processes and principles in developing software
- To produce relevant software engineering documents
- To manage a software project with required planning and resource utilisation

How do we get there?

- You must identify a software project to be developed individually
- These projects are not necessarily required to be unique for each student
  - There can be similar projects
  - But your solution must be sufficiently unique
  - The project scope should be adequate
- Prepare a project proposal

Project Proposal

- Your project proposal explains about your project and your plan to get it done.
- You must introduce your project to an unfamiliar reader – Introduction
- You must explain what your project objectives are – i.e. Objectives
- Should present a realistic project plan with deliverables, milestones and task durations

Project Proposal

- One – two pages
- 1st page
- Title of the project
- Project Description
- Importance/ usefulness of the proposed system
- Project Objectives
- Existing similar systems and technologies if available
- Expected Deliverable

Proposal Submission

- You will have to defend your project proposal
- On Tuesday, 8th March from 1:15 pm to 3:15 pm (NOT on Thursday)
- During a viva voce of 5 mins
- With an examiner
- If successful you can submit your proposal
- If not, you must revise you proposal, defend again and submit.

During the viva

1. What is the project about?
2. What are you going to develop?
3. Input and output of the proposed system
4. What the system is supposed to do (main functions of the system)?
5. Use of the proposed system
6. Idea about how you are going to develop it.
7. Search of some existing similar systems and describe some of them, if available

What do we expect from you?

- Extensive practice of software engineering knowledge
- Your product must work!
- Use of best practices
- Proper use of Software Engineering lifecycle activities
- Produce required project artefacts on or before the given deadlines

Important Information

- Course Outline
- 100% CA – No Written Examination ☺
- Acceptable Practices
- Few Training Workshops from Industry
  - Attendance, a must! Don’t let down CSE
  - A good opportunity to explore industry practices

Assignment Submission

- Use the template or given guidelines for document preparation
- No Plagiarism
- Report writing style
- Submit on time