

Project Based Learning:
System Analysis and Design
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Project Overview:

The capstone project on System Analysis and Design provides an opportunity for the MIS major students to actively integrate and apply all they have learned to the development, implementation, and analysis of a practical, hands-on project that has an Information System Administrative focus. In your capstone project, you are encouraged to do a database design of a large organization, or a website design, or any IOT device design (doesn't have to be in real life) by going through all the system analysis and design procedures.

Objectives:

The broad goal of the project is to bring improvement to the student's current professional sphere of influence, for example, by addressing problem or issue encountered within the student's profession, institution or organization- something that begs for a creative solution.

Developing a sufficiently focused project can be difficult, particularly when one is passionate about their chosen topic. Students will commonly attempt too much, for example, by identifying a problem that is too broad or too complex and time-consuming to be tackled in just a few months. The project might need to address only a small 'piece' of the larger puzzle.

To determine if the scope is manageable, it is useful to list and describe the major steps that will be required to complete the project and to develop a realistic timeline.

Group size:

Your group can have **maximum of 5 people**. But if you are comfortable doing your project alone, you are welcome to do so.

Marks distribution:

Your entire project and presentation contains **15 marks** (Project 15 marks + Presentation 5 marks). So be sure to do your project paper sincerely to achieve a good grade. I will be there always if your group need any help. Just ask for a group meeting schedule on my office room or skype.

Project submission deadline:

Your project submission tentative deadline and presentation day is:

- April 16th (Tuesday) – For section A (Class before the last class)

Project Charter Submission (Project Proposal):

Your project charter has to have these following steps:

1. Project Overview:

- Project Name, Authors, Creation date, last update date, System Owner, System Analyst, Project Charter Status, Project sponsor, signatures, date of approval, Proposed project start and end date.

2. Project Details:

- Project purpose, project details, project includes, project outcomes and benefits,

3. Stake holders.

4. Schedule/ Time management

5. Milestone (Sample file is given)

6. Resource Management (Needed resource for the project)

7. Cost of the resource needed.

8. Risk Management (Provide project risk log)

9. Working breakdown structure

Requirements of Project paper:

- Chapter 1: Executive summary, Introduction, Background of the problem, Project goals and value to stakeholders, stakeholder's analysis, scope analysis, WBS (Work break down structure).
- Chapter 2: Methodology (Resource Management, Schedule/time management with scheduling, Risk Management with project risk log, Client Approval for the project, Requirements, Functional Requirements, Requirement Confirmation/ Stakeholders sign-off.
- Chapter 3: Testing and Development, Client MOM with feedback.
- Chapter 4: Deployment (Deployment sign-off sheet (Follow the given procedure).
- Chapter 5: Results (Final delivery), Conclusion.
- **Submit the project paper** (Both hard copy and softcopy with ppt) and **Present the project with your group**

***** Selected papers will be later used for journal publication. I will bear the cost of publication and put all the group members name of the selected papers on the published paper. So I expect your sincerity.***

Samples:



Project Charter
Sample.docx



Project Charter
Template.doc



Final Project
Template Imran.doc