Ahsanullah University of Science and Technology (AUST)
Department of Computer Science and Engineering

Laboratory Manual

CSE 3224

Information System Design and Software Engineering Lab

CSE 3224: Information System Design & Software Engineering Lab

Primary Proposal

Each of the project groups must prepare the report and presentation and submit to the course teacher. Please be sure about the dress code while presenting the work.

Report and Presentation Format

- The report or the presentation should not have redundant information.
- For data analysis / flowchart, use smart arts and charts.
- Report format should maintain Cambria font, l2pt font size & 1.0-line spacing.
- Presentation should have_ presentation Date. [Left side], Slide numbers [right side], and Presentation group name [middle] in the footer of each slide except the cover slide.
- Use the cover page that has been already provided.

Report and Presentation Contents

- Project Name, Members' IDs & Names
- Reason of Selection Project
- Project Goals / Targets
- Project Feasibilities
    1) Technical
    2) Operational
    3) Economical
- Cost Benefit Analysis
- Project Scheduling [Only Gantt Chart]
- Risk Analysis of Project
- Conclusion

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Information Gathering

Report and Presentation Format
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- Use appendices for additional information

Report and Presentation Contents
- Project Name, Members' IDs & Names
- The Objectives of Information Gathering and Interview
- Questionnaire and Interview Pattern
- Selection of Interview Personnel
- Total interview Procedure
- Data Collection through Questionnaire
- Summary of Total Information
- Conclusion

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Data Flow Diagram and Use Case Diagram

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- Presentation should have presentation Date [Left side], Slide numbers [right side], and Presentation group name [middle] in the footer of each slide except the cover slide
- Each Data Flow Diagram and Use Case Diagram should be appropriately labeled
- Use appendices if deemed necessary

Report and Presentation Contents
- Project Name, Members' IDs and Names
- For Data Flow Diagram
    - Activities of the project
    - Main Process and Sub Process names, Entity Names, DB Names
    - The construction of Context Level Diagram
    - The construction of Level 0 Diagram
    - The construction of Level 1— n diagrams
- For Use Case Diagram
    - Actors
    - Use Cases
    - Detailed descriptions of different scenarios
- Conclusion

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Entity Relationship Diagram

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- Any diagram should be appropriately labeled
- Use appendices if deemed necessary

Report and Presentation Contents
- Project Name, Members' IDs & Names
- All the Entity Set Names and their attributes specified with Data Type.
- Detailed ER diagram.
- Proper Relationship among entity sets.
- Attributes must be represented with necessary symbols e.g. composite, multi valued.
- Conclusion

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Project Progress

Report and Presentation Format
No report and presentation required

Project Progress Demonstration
Students will have to demonstrate the project progress based on continuous coursework

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Final Submission, Presentation and Demonstration

Report and Presentation Format
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- Presentation should have presentation Date [Left side', Slide- numbers [right side], and Presentation group name [middle] in the footer of each slide except the cover slide
- Any diagram should be appropriately labeled
- Use appendices if deemed necessary

Report Contents
- Project Name, Members' IDs *&lames*
- List of Contents
- Summary of the Project
- Project Goals
- Used Technologies for the Project⁻
- Feasibility Analysis
- Requirement Analysis
- Data Flow Diagrams
- USE Case Diagram
- Entity Relation Diagram
- Opportunities of Developments
- Contribution *(How much each group member has contributed to the project work over the academic semester should be mentioned in percentage)*
- Conclusion
- References
- Appendix *(If required)*

Presentation Contents
- Introduction
- Project Summary
- Project Requirements

- Data Flow Diagrams
- USE Case Diagram
- Entity Relation Diagram
- Project Demonstration
- Opportunities of Developments
- Conclusion

Report Submission:
Each group will submit the softcopy of the report through Google Form. On the day of the presentation, each group has to submit a hardcopy of the report with spiral binding. Cover plastic must be white and transparent. Ribbon of the spiral should be black.