**CAPSTONE PROJECT**

**[Project Title Here]**

**Course: Systems Integration and Architecture I**Group Members: [Name (Role), ...]  
Adviser: [Adviser Name]  
Date of Submission: [YYYY-MM-DD]  
Institution: [School/University Name]

**Approval Sheet**

|  |  |  |
| --- | --- | --- |
| Role | Name | Signature / Date |
| Adviser | [Adviser Name] |  |
| Panel Member 1 | [Name] |  |
| Panel Member 2 | [Name] |  |
| Department Head | [Name] |  |

**Acknowledgment**

[Write a short acknowledgment thanking those who assisted in the project.]

**Abstract / Executive Summary**

[200-300 words summarizing the project purpose, methodology, technologies used, and key results or expected outcomes.]

# Table of Contents

[Auto-generate in Word: Insert -> Table of Contents or manually fill headings and page numbers after finalizing document.]

**List of Figures**

[Figure 1: ...]

List of Tables

[Table 1: ...]

**1. Introduction**

1.1 Background of the Study

[Provide context and background information about the problem domain.]

1.2 Problem Statement

[Clearly define the problem you aim to solve.]

1.3 Objectives

General Objective: [State the overarching objective.]

Specific Objectives:

- [Specific Objective 1]

- [Specific Objective 2]

1.4 Scope and Limitations

[Define what is included and excluded in the project.]

1.5 Significance of the Study

[Explain who benefits and why the project matters.]

**2. Review of Related Literature and Systems**

[Summarize related studies, reports, and existing systems. Use citations in APA/IEEE format.]

**3. Theoretical and Conceptual Framework**

[Describe theories or models guiding the project and include conceptual diagrams where appropriate.]

**4. Methodology**

4.1 Project Development Approach

[Waterfall / Agile / Hybrid — explain why chosen.]

4.2 System Architecture

[Provide architecture diagram and explanation.]

4.3 Hardware and Software Requirements

[List required hardware, OS, software, libraries, and versions.

4.4 Modules and Functionalities

[List and describe system modules and features.]

4.5 Data Flow and UML Diagrams

[Include DFD, Use Case, Sequence Diagrams as needed.]

4.6 Project Timeline (Gantt Chart)

[Insert Gantt chart or timeline table here.]

**5. System Design and Implementation**

5.1 Database Design

[ERD and table definitions]

5.2 User Interface Design

[Wireframes, mockups, screenshots]

5.3 Backend / API Design

[API endpoints, authentication, data models]

5.4 Integration Points and Workflows

[Describe how components interface with each other and external services]

**6. Testing and Evaluation**

6.1 Test Plan

[Define testing strategy and scope]

6.2 Test Cases and Results

[Provide tables of test cases, expected vs actual results]

6.3 User Acceptance Testing (UAT)

[Describe UAT process and results]

**7. Results and Discussion**

[Present outputs, screenshots, performance data, and interpret results in relation to objectives]

**8. Summary, Conclusions, and Recommendations**

[Summarize key findings, draw conclusions, and propose recommendations for future work]

**References**

[List all sources cited in APA or IEEE format]

**Appendices**

Appendix A: User Manual  
[Include step-by-step user instructions]

Appendix B: Code Snippets  
[Optional: include important code or link to repository]

Appendix C: Survey Instruments / Raw Data  
[Include consent forms if applicable]