

CHAPTERS OF FINAL YEAR PROJECT

Title and Description:-

- Title Page
- Signature Page
- Abstract
- Dedication
- Preface and Acknowledge
- Table of Contents

Chapter 1: Introduction to the Problem

- Introduction.
- Purpose.
- Objective.
- Existing Solution.
- Proposed Solution.
(Gap Analysis)

Chapter 2: Software Requirement Specification (SRS)

Chapter 3: Analysis [Use Case Description and Use Case Model]

Chapter 4: Design [with Description of each diagram]

- Architecture Diagram
- ERD with data dictionary
- Data Flow diagram (Level 0 and 1)
- Class Diagram
- Activity Diagram
- Sequence Diagram
- Collaboration Diagram
- State Transition Diagram
- Component Diagram
- Deployment Diagram

Chapter 5: Testing [SQA Introduction and Test Cases]

- Test Case Specifications.
- Black Box Test Cases.
 - Equivalence Partitions (EP)
 - Boundary Value Analysis
 - Decision Table Testing
 - State transition Testing
 - Use Case Testing
- White Box Test Cases.
 - Cyclomatic Complexity
 - Statement coverage
 - Decision coverage
 - Path coverage
- Performance testing, Stress Testing, System Testing, Regression Testing.

Chapter 6: Tools and Techniques

Chapter 7: Summary and Conclusion

Chapter 8: User Manual

Chapter 9: Lessons Learnt and Future Enhancements

Appendix A: Bibliography / References

Appendix B: Index