**CHAPTER NO**  **TITLE** **PAGE NO**

**ACKNOWLEDGEMENT**

**ABSTRACT**

1. **INTRODUCTION**

* 1. Introduction
  2. Problem Statement
  3. Objectives
  4. Scope
  5. Organization of the Project

1. **LITERATURE SURVEY**
   1. Introduction
   2. Automated Evaluation of Student Answers

Using NLP Technique

* 1. Intelligent Assessment System Using Machine

Learning for Descriptive Answers

* 1. Automatic Grading of Short Answers Using BERT
  2. OCR Based Automated Examination System
  3. Assessment using AI-A Comparative Study of

Rule Based and ML Models

1. **SYSTEM ANALYSIS**
   1. Existing Systems
      1. Traditional Grading and Its Limitations
      2. Automated Grading for Objective Type

Questions

* + 1. OCR Based Answer Evaluation
    2. NLP & AI in Descriptive Answer Evaluation
  1. Disadvantages of Existing Systems
  2. Proposed System
     1. Handwritten Text Extraction Using Ollama OCR
     2. Text Preprocessing and Cleaning
     3. Semantic Evaluation Using NLP Models
     4. Score Calculation and Feedback Generation
     5. Teacher Dashboard,Student Information, and Result
  3. System Architecture

1. **SYSTEM REQUIREMENTS**
   1. Overall Description
   2. Specific Requirements
      1. Hardware Requirements
      2. Software Requirements
   3. Functional Requirements
   4. Non Functional Requirements

1. **SYSTEM IMPLEMENTATION**
   1. Architectural Diagram
   2. UML Diagram
      1. Use Case Diagram
      2. Class Diagram
      3. Sequence Diagram
      4. Activity Diagram
      5. DFD Diagram
      6. ER Diagram

1. **MODULES IMPLEMENATION**
   1. Modules List
   2. Modules Description
      1. Tesseract OCR Module
      2. Ollama 3.1 Text Refinement Module
      3. BERT Semantic Matching Module
      4. Grading and Feedback Module
      5. Teacher Dashboard Module
      6. Student Dashboard Module

1. **EXPERIMENTAL RESULTS**
   1. Tesseract OCR Module Performance
   2. Ollama Performance
   3. BERT Semantic Model Performance
   4. Overall System Performance
2. **CONCLUSION**
3. **APPENDIX**
   1. Sample Source Code
   2. Demo Screenshots
4. **FUTURE ENHANCEMENT**

**REFERENCES**