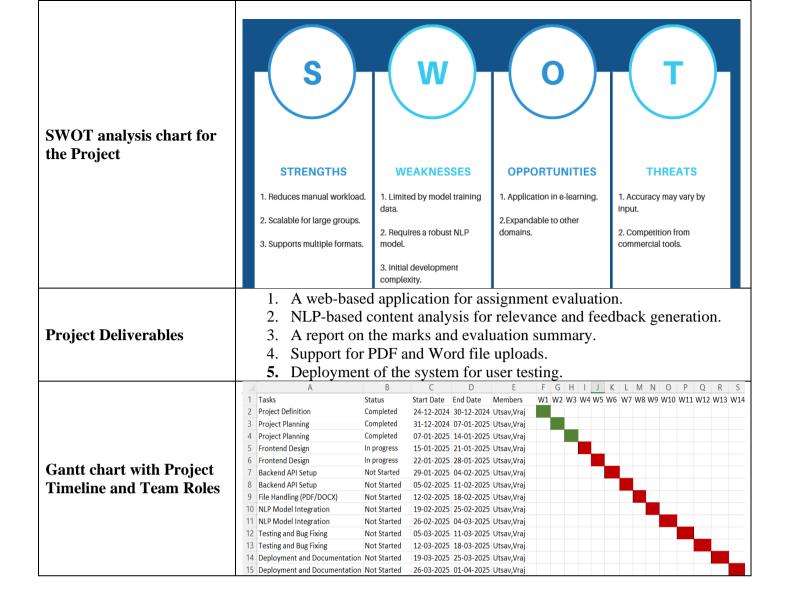




Faculty of Technology and Engineering Chandubhai S. Patel Institute of Technology Department of Computer Science & Engineering

Project Problem Statement for Project-IV

Project Group ID: CSPIT/CSE/B2/Group ID				
Student ID:	22CS080	22CS081		
Name:	Utsav Shah	Vraj Shah		
Project Title:	AI-Based Assignment Evaluation System			
Domain of Project Definition:	Artificial Intelligence, Natural Language Processing (NLP), Education Technology			
Technology/Methodologie s to be used in project:	 Frontend: React (for user interface) or basic HTML/CSS for simplicity. Backend: NordJs for API development. NLP Libraries: NLTK, Hugging Face Transformers, LanguageTool for grammar analysis. File Handling: PyPDF2 (for PDF extraction), python-docx (for Word documents). Tools: Gantt chart tools like MS Excel 			
Project Objectives	 To create an AI-driven system that evaluates assignments and provides marks without teacher involvement. To analyze the relevance of assignment content to a given topic using NLP techniques. To automate feedback generation for students' submissions based on grammar, structure, and topic coverage. To support multiple file formats, including PDF and Word documents. To reduce manual effort and improve scalability in educational evaluations. 			
Brief Description about project:	This project aims to develop a system that evaluates assignments automatically using AI. Users (students) can upload assignments in PDF or Word formats, specify the topic, and receive detailed feedback with marks. The system uses Natural Language Processing to analyze grammar, keyword relevance, and content structure. This solution is particularly suited for educational institutions looking to automate repetitive evaluation tasks, saving time and increasing objectivity.			



Assessment Rubric to evaluate Difficulty level of Project:

Criteria	Marks
Scope and Complexity	
Technical Challenges	
Resource Requirements	
Quality level of Gantt Chart	
Quality level of SWOT analysis chart	
Innovation and Creativity	
Total (Out of 30)	

Assessment Rubric to evaluate quality of Project Problem Statement:

Criteria	Marks
Clarity of Problem Statement	
Relevance to Project Objectives	
Clarity of Language and Presentation	
Overall Impression	
Total (Out of 20)	

Mentor's	Comments:
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Mentor's Sign:

HOD's Sign with Comments: