MAJOR PROJECT APPRAISAL

PERSONAL INFORMATION

Name of the Student: Abhimanyu Bhasin

Registration No: _____   Branch: _____

REPORTING MANAGER OF THE STUDENT

Name: Ashwani Kumar Singh   Designation: Sr. Principal Architect - QA

Email ID: ashwanis@saksoft.com   Contact No: +91-8882216537

PROJECT RELATED INFORMATION

Project Venue: Sector - 80, Noida. 201301

Title of the Project: SAKVerse

Software Platform:
Gen AI
Python
Java
Spring Boot
Node JS
My SQL

Hardware Platform: Window 10+

Start Date: Dec-2024   Tentative End Date: Sep-2025

Utility of the Project: The SAKVerse serves as a critical enabler in modern software quality engineering by automating the test case design process through AI-driven analysis of project documentation and user stories. Its primary utility lies in accelerating test planning, ensuring comprehensive test coverage, and improving test designquality across functional and non-functional requirements

Role of the Student: Abhimanyu played a pivotal role in enhancing the intelligence layer of the SAkVerse Tool by implementing the Retrieval-Augmented Generation (RAG) framework. Their contribution centered around enabling the system to effectively utilize project documents as part of the knowledge base to improve test case generation accuracy and contextual relevance

Key responsibilities and contributions included:

1. RAG Pipeline Integration
2. Vector Store Configuration
3. Document Preprocessing & Embedding
4. API Development
5. Evaluation and Tuning
6. Collaboration with Core Test Design Module

STUDENT SKILLS
A) Please rate student in comparison with others whom you have known in similar situation:

	Exceptional [10-9]	Outstanding [8-7]	Very Good [6-5]	Fair [5-4]	Poor [3]
➢ Knowledge in chosen field	9				
➢ Motivation and perseverance towards goal	9				
➢ Ability to work independently			6		
➢ Ability to express thoughts in speech and writing		8			
➢ Ability to plan and conduct research/Survey	9				

In Overall ability this student is among:

Top 1-5% [✓]   Next 20% [ ]   Next 25% [ ]   Middle 25% [ ]   Lower 25% [ ]

B) Is there a method for maintaining a record of his/her attendance?   YES [✓]   NO [ ]

Comment on his/her regularity and punctuality   100% [✓]   75-99% [ ]   <75% [ ]

C) In a hypothetical situation that you have a need, would you like to have his/her in your team to work with you?

Certainly [✓]   May Consider [ ]   Preferably Not [ ]   Not At All [ ]

OBSERVATIONS

Organization's Supervisor:

Abhimanyu demonstrated strong technical capability, initiative, and problem-solving skills while working on the RAG integration for the SAKVerse. He quickly grasped the architecture and objectives of the system, showing a solid understanding of vector databases, document embedding, and API development. His ability to work minimal support, collaborate with the core team, and iteratively improve the retrieval performance was commendable. He exhibited a proactive attitude, paid attention to detail, and delivered high-quality outcomes that directly enhanced the intelligence and contextual depth of the test case generation engine. Overall, they made a meaningful contribution to a complex AI-driven project and showed great potential for future roles in applied machine learning and software engineering.

Award marks out of 20: _____

MUJ Supervisor:

Ashwani

Ashwani Kumar Singh

(Organization's Supervisor Name and Signature)
Date: 10/05/2025

(MUJ Supervisor Name and Signature)
Date: