DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

# PROJECTPROPOSAL

## 1. Project Title: Project Glance - Web Content Helper Browser Extension.

## 2. Project Scope:

## Glance is designed to enhance web content interaction by integrating AI-powered summarization, explanation, and note-taking features directly into the browser. The project focuses on improving reading efficiency, reducing distractions, and enabling users to engage with web content without switching tabs. The scope includes developing a lightweight and user-friendly browser extension compatible with popular web browsers such as Chrome and Firefox. It will leverage Generative AI and Retrieval-Augmented Generation (RAG) techniques to provide real-time assistance while ensuring a seamless user experience. The extension will cater to students, researchers, professionals, and avid readers who require quick insights without breaking their workflow. Future enhancements may include multi-language support, personalized AI recommendations, and integration with external productivity tools for better knowledge management. The project aims to deliver a scalable and efficient solution that improves information consumption and digital productivity.

## 3. Requirements:

* Hardware Requirements

1. Laptop/Computer with internet connection.
2. Minimum of 16 GB RAM, i5(Eqiv.)

* Software Requirements

1. Browser

2. HTML, JS, Python (with frameworks)

3. VS Code

**Student Details**

|  |  |  |
| --- | --- | --- |
| **Name** | **UID** | **Signature** |
| Chinni Sai Raj Dheeraj | 21BCS6196 |  |
| Kunduru Sai Sambha Shiva Reddy | 21BCS6238 |  |
| Chinni Mohith | 21BCS6500 |  |

**APPROVAL AND AUTHORITY TO PROCEED**

We approve the project as described above, and authorize the team to proceed.

|  |  |  |
| --- | --- | --- |
| **Name** | **Title** | **Signature**  **(With Date)** |
| Dr. Priyanka Koushik | HOD, AIML |  |