Project Initialization and Planning Phase

Date	15 March 2024
Team ID	740009
Project Title	Student Adaptability Level of Online Education
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) template

This project proposal outlines a solution to address a specific problem. With a clear objective, defined scope, and a concise problem statement, the proposed solution details the approach, key features, and resource requirements, including hardware, software, and personnel.

Project Overview	
Objective	To develop and implement strategies and tools aimed at improving students' adaptability to online education, ensuring a smooth transition and sustained academic performance.
Scope	This project will focus on identifying the key challenges faced by students in online education and proposing solutions to enhance their adaptability. The scope includes conducting surveys, developing support tools, and implementing pilot programs.
Problem Statement	
Description	Students often face difficulties adapting to online education due to a lack of familiarity with digital tools, isolation, and challenges in self-regulation and time management.
Impact	Addressing these challenges will improve student engagement, reduce dropout rates, and enhance overall learning outcomes in online education environments.

Proposed Solution	
Approach	1. **Research and Analysis:** Conduct surveys and focus groups to identify specific challenges. 2. **Development:** Create digital tools and resources, such as tutorials, time management apps, and virtual study groups. 3. **Implementation:** Pilot the solutions with a select group of students and gather feedback. 4. **Evaluation:** Assess the effectiveness of the solutions through surveys and performance metrics.
Key Features	• User-friendly digital tutorials and guides. • Time management and productivity tools. • Virtual study group platforms. • Continuous feedback mechanisms for iterative improvement.

Resource Requirements

Resource Type	**Description**	**Specification/Allocation**
Hardware		
Computing Resources	CPU/GPU specifications	e.g., 2 x NVIDIA V100 GPUs
Memory	RAM specifications	e.g., 8 GB
Storage	Disk space for data models and logs	e.g., 1 TB SSD
Software		
Frameworks	Python frameworks	e.g., Flask
Libraries	Additional libraries	e.g., Tensor flow
Development Environment	IDE, version control	e.g., Jupyter Notebook , Git
Data		
Data	Source, size, format	e.g., Kaggle dataset