Project Initialization and Planning Phase

Date	15 March 2024
Team ID	739640
Project Title	Work Force Retention System
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 streamline and improve employee retention through effective workforce retention strategies
Scope	To develop and implement strategies that enhance employee satisfaction and reduce turnover rates
Problem Statement	
Description	A system designed to analyze, develop, and implement strategies for improving employee retention and satisfaction
Impact	Increased employee loyalty and productivity, leading to reduced turnover costs and a stronger organizational culture
Proposed Solution	
Approach	Utilize data-driven insights and employee feedback to craft targeted retention strategies
Key Features	Real-time analytics, personalized retention plans, and continuous employee engagement.

Resource Requirements

Resource Type	Description	Specification/Allocation

Hardware		
Computing Resources	CPU/GPU specifications, number of cores	2 x NVIDIA V100 GPUs
Memory	RAM specifications	8 GB
Storage	Disk space for data, models, and logs	1 TB SSD
Software		
Frameworks	Python frameworks	Flask
Libraries	Additional libraries	scikit-learn, pandas, numpy
Development Environment	IDE, version control	Jupyter Notebook, Git
Data		
Data	Source, size, format	Kaggle dataset, 10,000 images