Project Initialization and Planning Phase

Date	15 March 2024
Team ID	740050
Project Title	YOLOCHEMDetect safeguarding with Automated Drug Name Detection
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	Automate drug name detection for accuracy and efficiency
Scope	Develop and integrate an automated detection system
Problem Statement	
Description	Slow and inaccurate drug name detection.
Impact	Manual processes lead to errors and increased errors and delays.
Proposed Solution	
Approach	Automated detection system and use yolon8 model
Key Features	Real-time, high accuracy

Resource Requirements

Resource Type	Description	Specification/Allocation

Hardware		
Computing Resources	CPU/GPU specifications, number of cores	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., tensorflow
Development Environment	IDE, version control	e.g., Jupyter Notebook, Git
Data		
Data	Source, size, format	e.g., Kaggle dataset, 1200 images