

## Project Initialization and Planning Phase

Date	15 March 2024
Team ID	739728
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.

<b>Project Overview</b>	
Objective	Automate drug name detection for accuracy and efficiency
Scope	Develop and integrate an automated detection system
<b>Problem Statement</b>	
Description	Slow and inaccurate drug name detection.
Impact	Manual processes lead to errors and increased errors and delays.
<b>Proposed Solution</b>	
Approach	Automated detection system and use yolon8 model
Key Features	Real-time, high accuracy

### Resource Requirements

Resource Type	Description	Specification/Allocation
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<b>Hardware</b>		
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
<b>Software</b>		
Frameworks	Python frameworks	e.g., Flask
Libraries	Additional libraries	e.g., tensorflow
Development Environment	IDE, version control	e.g., Jupyter Notebook, Git
<b>Data</b>		
Data	Source, size, format	e.g., Kaggle dataset, 1200 images