**Project Initialization and Planning Phase**

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| 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.

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| **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**

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| --- | --- | --- |
| **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 |