**PROJECT PLANNING TEMPLATE**

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| **Date** | November 2nd, 2023 |
| **Team ID** | PNT2022TMIDxxxxxx |
| **Project Name** | ASL- Alphabet Image Recognition |
| **Maximum Marks** | 4 Marks |

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| Sprint | Functional Requirement | User Story Number | User Story/Task | Story Points | Priority | Team Members |
| Sprint 1 | Setup ASL Recognition System | US1 | Define project scope and objectives | 2 | High | Atharva |
|  |  | US2 | Set up development environment | 3 | High | Aditya |
|  |  | US3 | Create a dataset of ASL alphabet signs | 5 | High | Aditya |
|  |  | US4 | Implement image preprocessing | 8 | Medium | Atharva |
|  |  | US5 | Train a deep learning model for recognition | 13 | High | Atharva |
|  |  | US6 | Test and validate the model | 8 | High | Aditya |
|  |  | US7 | Develop a simple user interface | 5 | Medium | Atharva |
|  |  | US8 | Integrate recognition with the UI | 5 | Medium | Aditya |
| Sprint 2 | Real-time Recognition | US9 | Implement real-time video feed | 8 | High | Aditya |
|  |  | US10 | Integrate real-time recognition | 13 | High | Aditya |
|  |  | US11 | Fine-tune recognition accuracy | 8 | Medium | Atharva |
|  |  | US12 | Testing and bug fixing | 5 | High | Aditya |
|  |  | US13 | Documentation and user manual | 3 | Low | Atharva |
|  |  | US14 | Final testing and optimization | 8 | High | Atharva |

In this project plan:

* Sprint 1 focuses on setting up the foundation for the ASL alphabet recognition system.
* Sprint 2 centres on real-time recognition and finalizing the project.