**Initial Project Planning Template**

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| Date | 21 June 2025 |
| Team ID | SWTID1750316859 |
| Project Name | ASL- Alphabet image Recognition |
| Maximum Marks | 4 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
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| Sprint-1 | Data Collection | USN-1 | Download ASL dataset from Kaggle and organize it | 2 | High | Manoj | 19/06/2025 | 20/06/2025 |
| Sprint-1 | Data Preparation | USN-2 | Perform resizing and normalization of dataset images | 1 | Medium | Preethi | 20/06/2025 | 21/06/2025 |
| Sprint-2 | Image Preprocessing | USN-3 | Apply data augmentation techniques using Keras | 2 | Medium | Sanjay | 22/06/2025 | 23/06/2025 |
| Sprint-2 | Model Building | USN-4 | Build and train CNN model (MobileNet) | 2 | High | Abiram | 24/06/2025 | 25/06/2025 |
| Sprint-2 | Model Building | USN-5 | Evaluate model accuracy and tune parameters | 1 | High | Abiram | 25/06/2025 | 26/06/2025 |
| Sprint-3 | Application Building | USN-6 | Integrate model with Flask backend | 1 | High | Preethi | 27/06/2025 | |  | | --- | | 28/06/2025 |  |  | | --- | |  | |
| Sprint-3 | Application Building | USN-7 | Create frontend for uploading and predicting ASL images | 2 | Medium | Manoj | 28/06/2025 | 29/06/2025 |
| Sprint-3 | Application Building | USN-8 | Test and prepare final deployment | 2 | Medium | Sanjay | 29/06/2025 | 30/06/2025 |