**Initial Project Planning Template**

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| Date | 01 May 2025 |
| Team ID | 739942 |
| Project Name | CovidVision: Advanced COVID-19 Detection From Lung X-Rays With Deep Learning Using IBM Cloud |
| Maximum Marks | 4 Marks |

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

Use the below template to create a product backlog and sprint schedule

| **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 and Preprocessing | USN-1 | As a developer, I want **to build a deep learning model to detect COVID-19 from lung X-ray images, datasets for training the model.** | 2 | High | Meghana | 23/10/24 | 24/10/24 |
| Sprint-1 | Dataset Augmentation | USN-2 | As a developer, I want to augment the dataset to improve model generation | 1 | High | Meghana | 25/10/24 | 26/10/24 |
| Sprint-2 | Model Building | USN-3 | As a developer, I want to design and train a CNN model for lung X-ray images | 3 | Low | Vennela | 27/10/24 | 31/10/24 |
| Sprint-2 | Model Evaluation | USN-4 | **As a tester, I want to evaluate the performance of the COVID-19 detection model using appropriate metrics and validation techniques,** | 2 | Medium | Vennela | 31/10/24 | 5/11/24 |
| Sprint-1 | Deployment | USN-5 | As a user, **I want to deploy the trained COVID-19 detection model on IBM Cloud,** | 1 | High | Meghana | 6/11/24 | 12/11/24 |