# Initial Project Planning

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| Date | 15 March 2024 |
| Team ID | 739675 |
| Project Name | Cleantech: Transforming Waste Management With Transfer Learning |
| 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 | Dataset Collection & Preprocessing | USN-1 | Effective waste management solutions using AI models depend on diverse, high-quality image datasets that reflect real-world waste scenarios.In Cleantech, we approach data collection strategically | 3 | High | T. Adhitya | 23/10/24 | 24/10/24 |
| Sprint-1 | Dataset Augmentation | USN-2 | In Cleantech waste management, data management means collecting, organizing, and preparing waste images for AI models. Good data management helps the AI system learn better and sort waste accurately | 2 | Medium | V. Bhoomika | 25/10/24 | 26/10/24 |

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| Sprint-2 | Model Building | USN-3 | Model building is like teaching a robot (AI model) to recognize and sort waste by looking at pictures. The AI model learns from many examples of waste images, such as plastics, glass, metals, and more. | 5 | High | V. Keerthana | 27/10/24 | 31/10/24 |
| Sprint-2 | Model Evaluation | USN-4 | Model evaluation is like checking if the AI is doing its job well. After we train the AI model to classify waste types, we need to see how accurate and reliable it is. | 2 | High | T. Sreeja | 31/10/24 | 5/11/24 |
| Sprint-3 | Deployment | USN-5 | As when we take the trained AI model and put it to work in the real world. It's like moving from the classroom to the factory floor — the AI model, trained on waste images, is now ready to help sort and classify waste in recycling centers, waste facilities, or even smart bins. | 3 | High | T. Sreeja | 6/11/24 | 12/11/24 |