Project Title: Waste Collection Management System For IIT Mandi

Faculty Mentor : Dr. Sarthak Nag and Dr. Pramod Kumar

Students Team Member

|  |  |
| --- | --- |
| **Students Name** | **Enrolment Number** |
| Arendra Kumar | B23394 |
| Anuj Pal | B23339 |
| Dipanshu | B23126 |
| Keshav Kumar | B23076 |
| Utkarsh | B23056 |
| Vulli Navadheer Kumar | B23361 |

Total Budget: Rs. 30,000

Signature of Faculty Mentor

Date: 7/09/2024

**APPENDIX (Detailed Budget)**

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| --- | --- | --- | --- |
| Item Name | Quantity | Cost | Vendor |
| Sensor (for waste type detection) | 1 | ₹4,000 |  |
| Motorized Lid Mechanism | 3 | ₹3,000 | Robocraftstore.com |
| Microcontroller (e.g., Arduino/Raspberry Pi) | 1 | ₹5000 | Electronics Comp |
| Frame and Bin Stand | 3 | ₹2,000 |  |
| Dustbins (Biodegradable & Non-biodegradable) | 3 | ₹4,500 | FlipKart |
| Welding and Assembly Cost | - | ₹1,000 |  |
| Power Supply Unit | 1 | ₹1,000 |  |
| Wires and Connectors | - | ₹1,500 |  |
| Mobile App Domain | 1 | ₹4,000 | GoDaddy.com/SnTC (if Possible) |
| Testing and Calibration Kit | 1 | ₹2,000 | Amazon |
| Miscellaneous (screws, mounts, etc.) | - | ₹2,000 |  |

Total Cost of the Items:

Rs. 30,000