



# Capital University of Science & Technology

Islamabad  
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## Office of Research, Innovation and Commercialization Initiative Application Form for Funding of Final Year Projects (FYPs)

### 0. Submission Metadata

Cohort ID: 2025  
Status: Submitted  
Submission Date: 08 May 2025 10:30

### 1. Supervisor Information

Full Name: Dr. Sarah Malik  
Designation: Associate Professor  
Email: sarah.malik@cust.edu.pk  
Office Contact: Room 204, Block A  
Mobile: 0300-1234567

Supervisor Signature:

Dr.

### 2. Student Information

Name	Reg #	Contact	CGPA
Ali Raza	SP21-BCS-123	0333-1112233	3.45
Maria Khan	SP21-BCS-456	0345-2223344	3.70

Student Signatures:

Ali Raza Ali  
Maria Khan Maria

### 3. Project Details

Title: Smart Waste Management System  
Timeline: 2025-06-01 to 2025-09-30

Summary:	A sensor-based IoT solution for smart waste collection.
Business Plan:	To deploy a scalable waste management system in urban cities.
Marketing Potential:	High potential due to smart city initiatives.
Benefits:	Clean environment, efficient resource usage, job creation.

#### 4. Deliverables

- ✓ Hardware System
- ✓ Software System
- ✓ HW/SW Integrated System
- ✓ New Technology / Process / Mechanism
- ✓ Sustainable Solution
- ✓ Other: Mobile App

#### 5. Prototype Equipment

Item Name	Units	Unit Cost (Rs)	Total (Rs)
Ultrasonic Sensor	4	800.00	3,200.00
ESP32 Microcontroller	2	1,500.00	3,000.00
<b>Grand Total:</b>			<b>6,200.00</b>

#### 6. Students Undertaking

We (the students involved in this FYP) hereby commit that if our FYP gets selected for funding, we will:

- Attend the CUST Incubation Centre (CIC) for at least 5 hours/week (each student) for the required three months (27th October 2024 to 20th January 2025).
- Submit a plan/schedule of our availability in the CIC.
- Prepare a Standee of our project that will be displayed in the CIC.
- Stay prepared for demonstration before any clients.
- Authorize Mr./Ms. \_\_\_\_\_ to get the funding cheque prepared in his/her name.

#### 7. Evaluation Criteria

Practical Possibility:	8
Innovation:	9
Business Plan:	7
Marketing Potential:	8
Commercialization Aptitude:	6
<b>Total Score:</b>	<b>38</b>

## 8. Certificate of Approval

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It is further undertaken that the expenditure report of approved FYPs, along with the supporting documents and the Prototype/End Product (in case the project has developed one), or the Project Poster (if not), will be submitted to ORIC upon completion of the project.