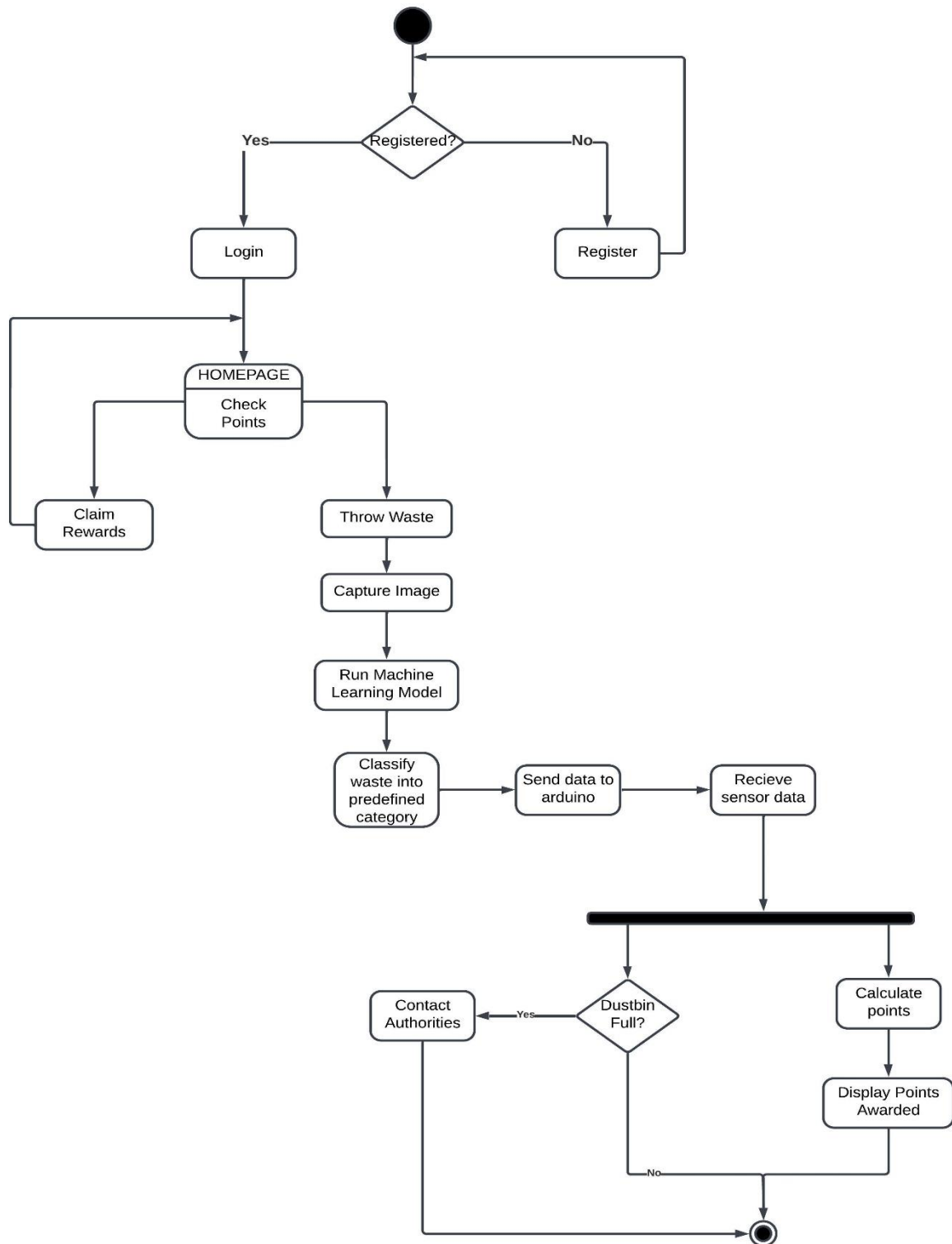
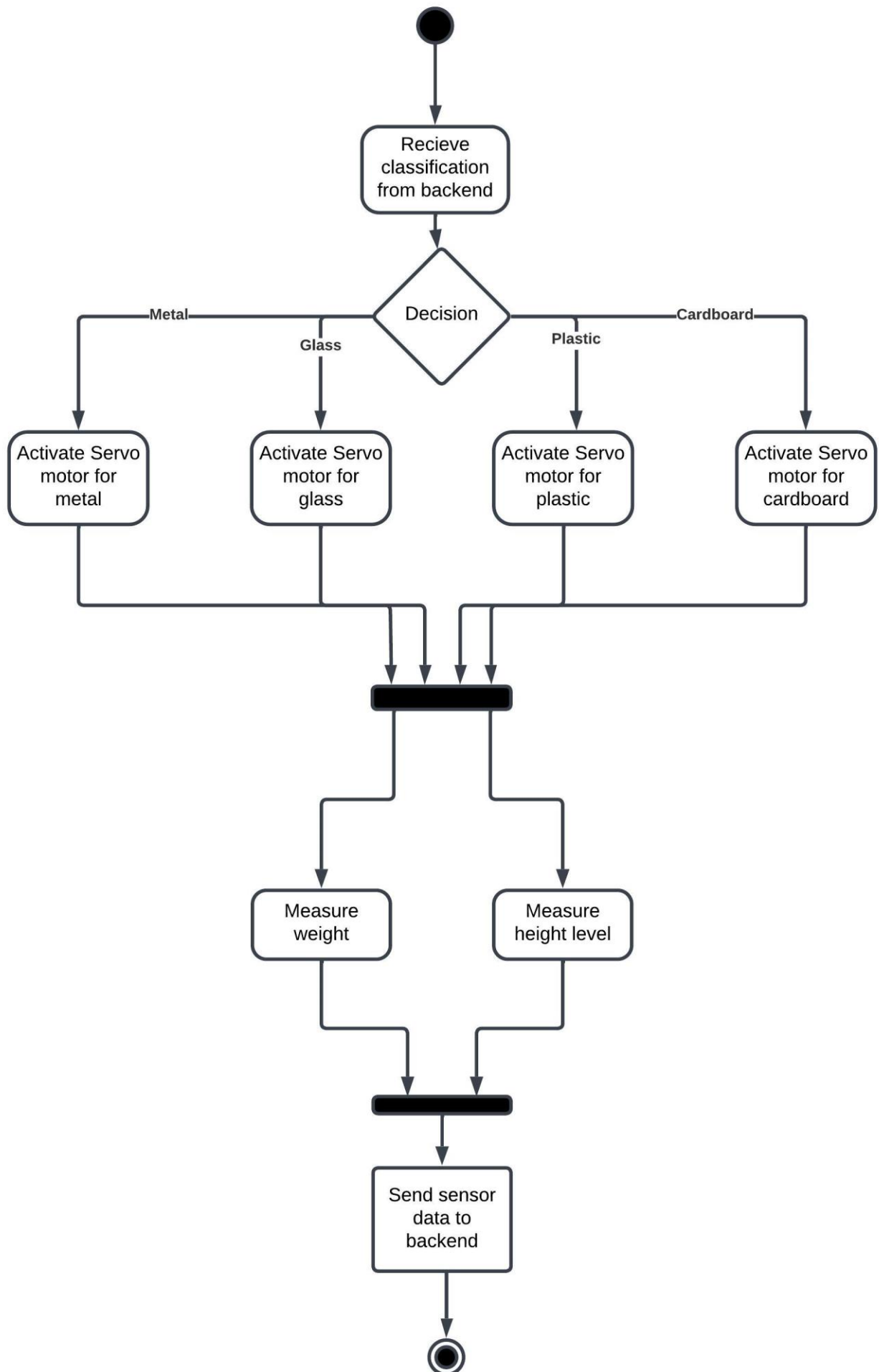


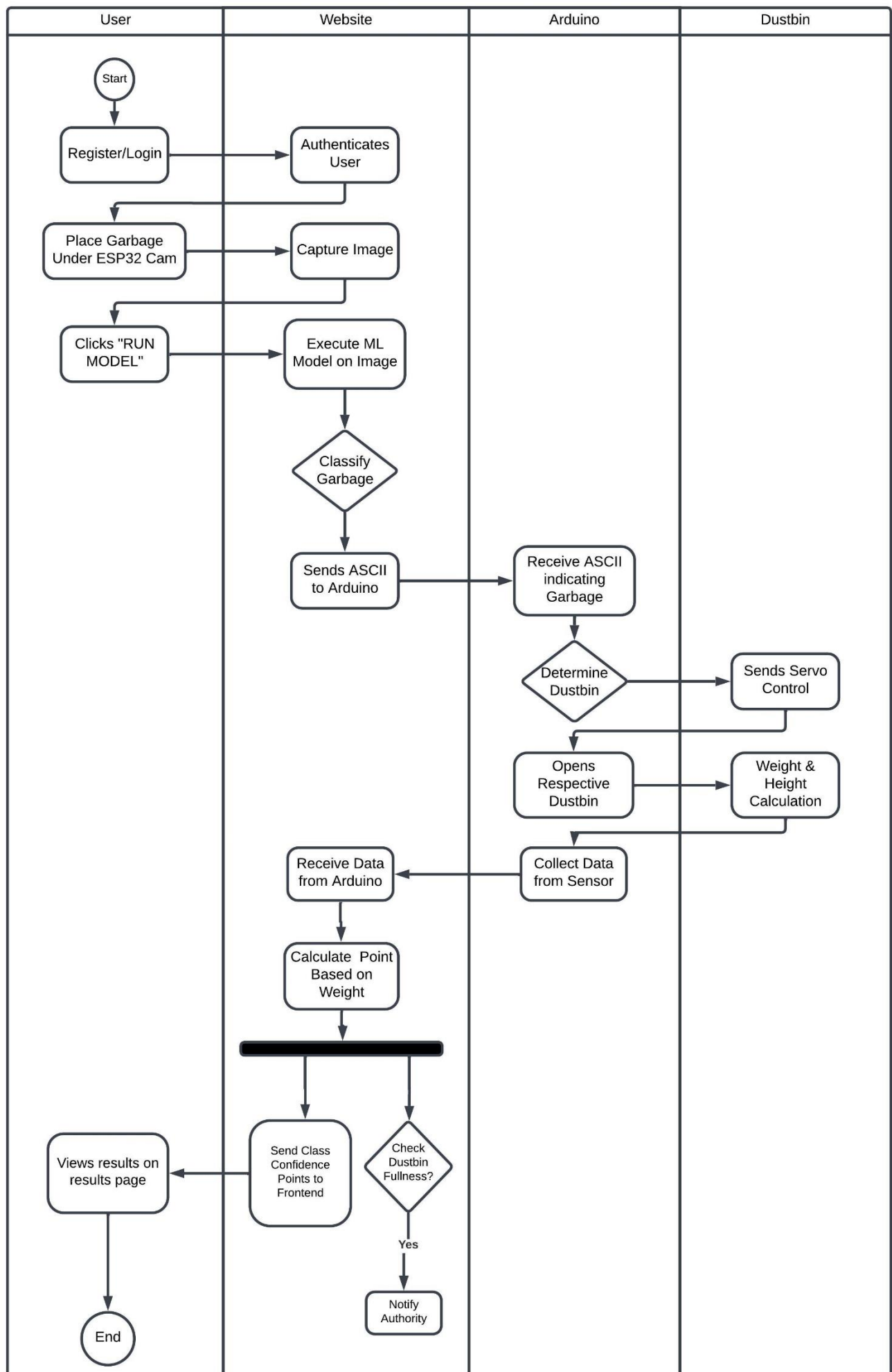
**Figure 1. Main Components of Proposed Invention**



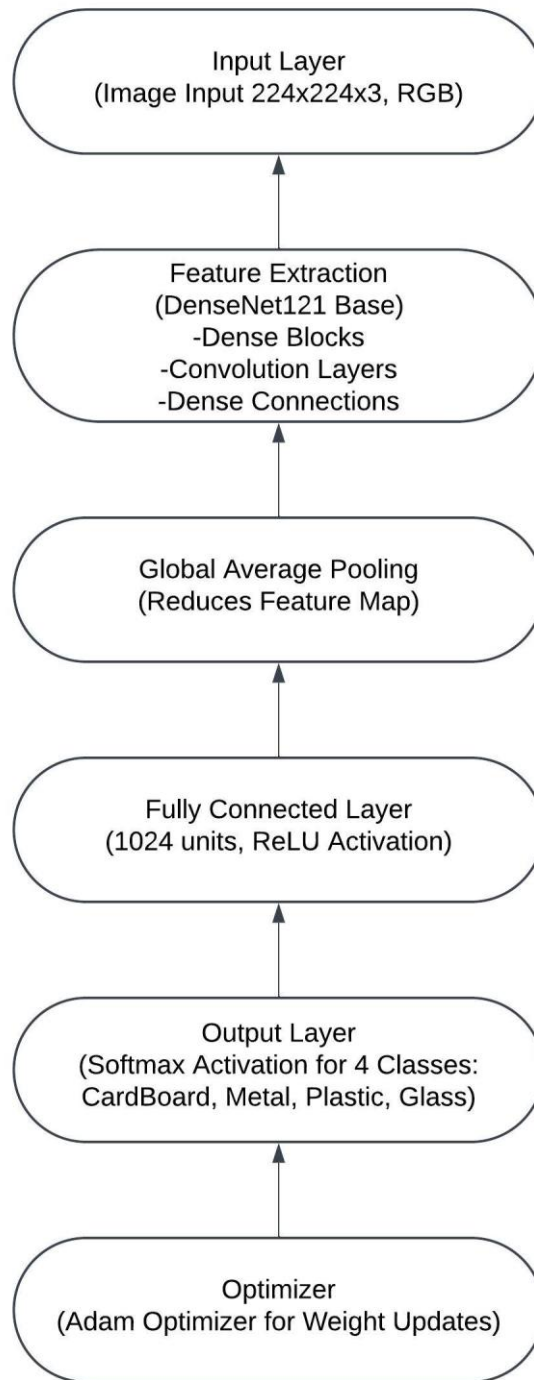
**Figure 2. Website Activity Diagram**



**Figure 3. Arduino Activity Diagram**



**Figure 4. Swimlane Flowchart Showing the Work of Different Components**



**Figure 5. CNN Layers**

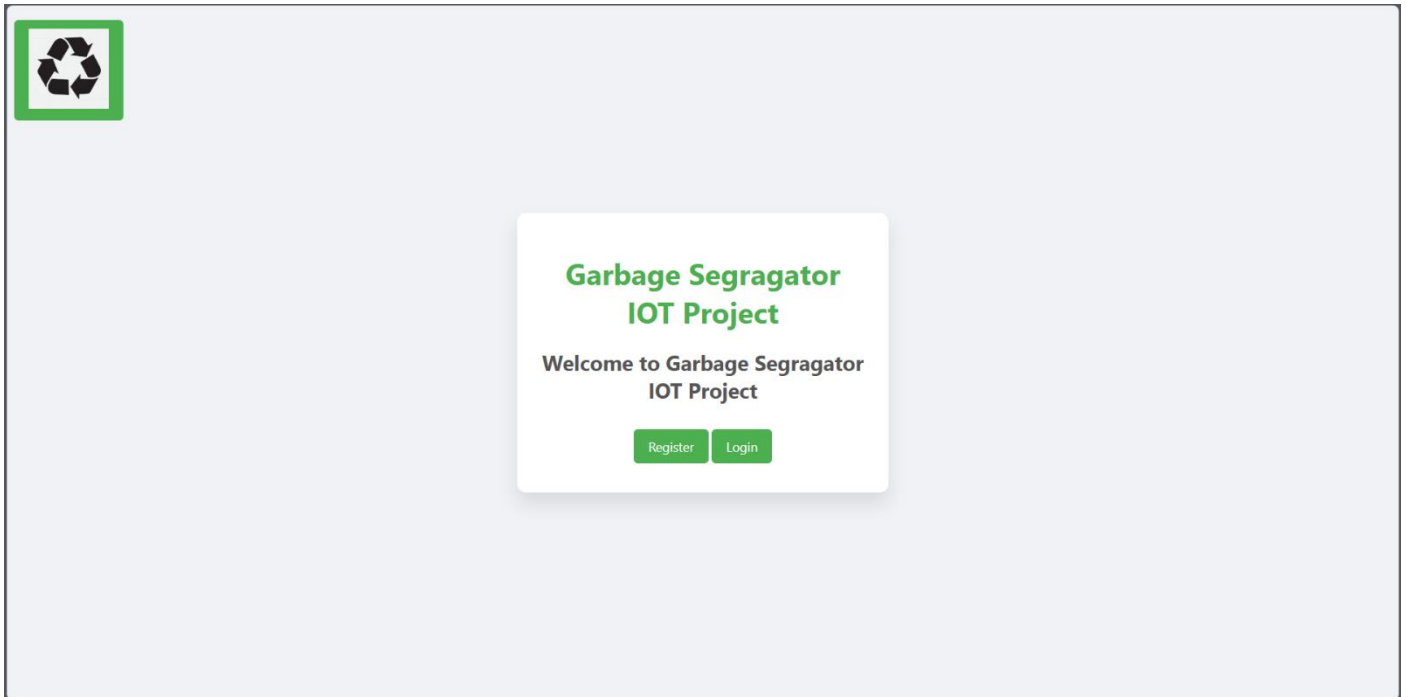


Figure 6. Website Home Page

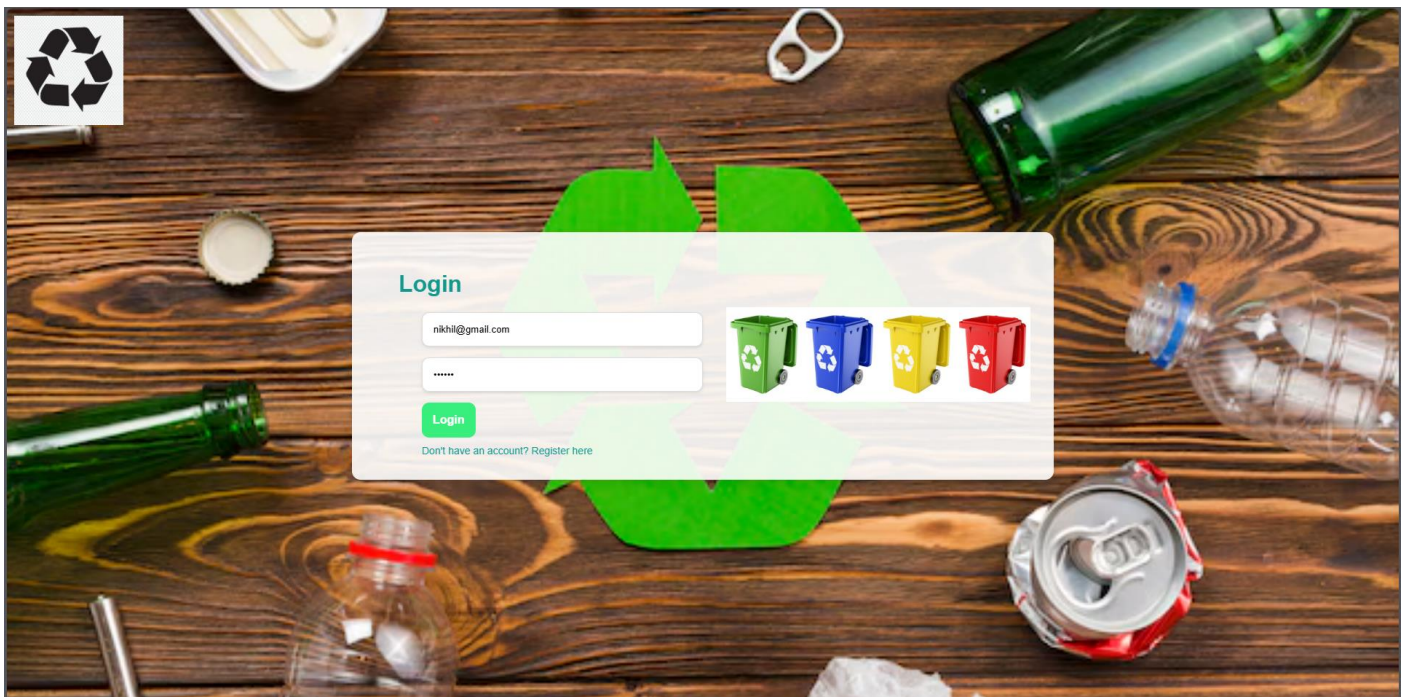


Figure 7. Website Login Page

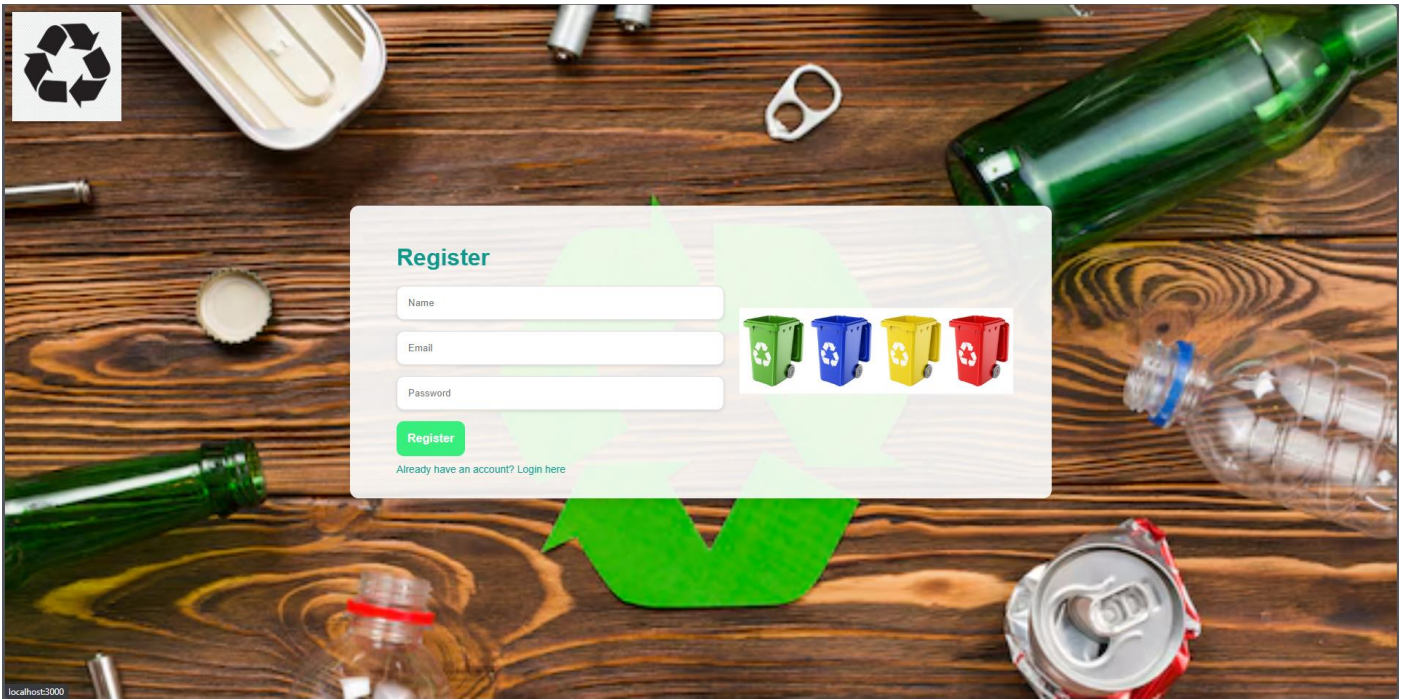


Figure 8. Website Registration Page

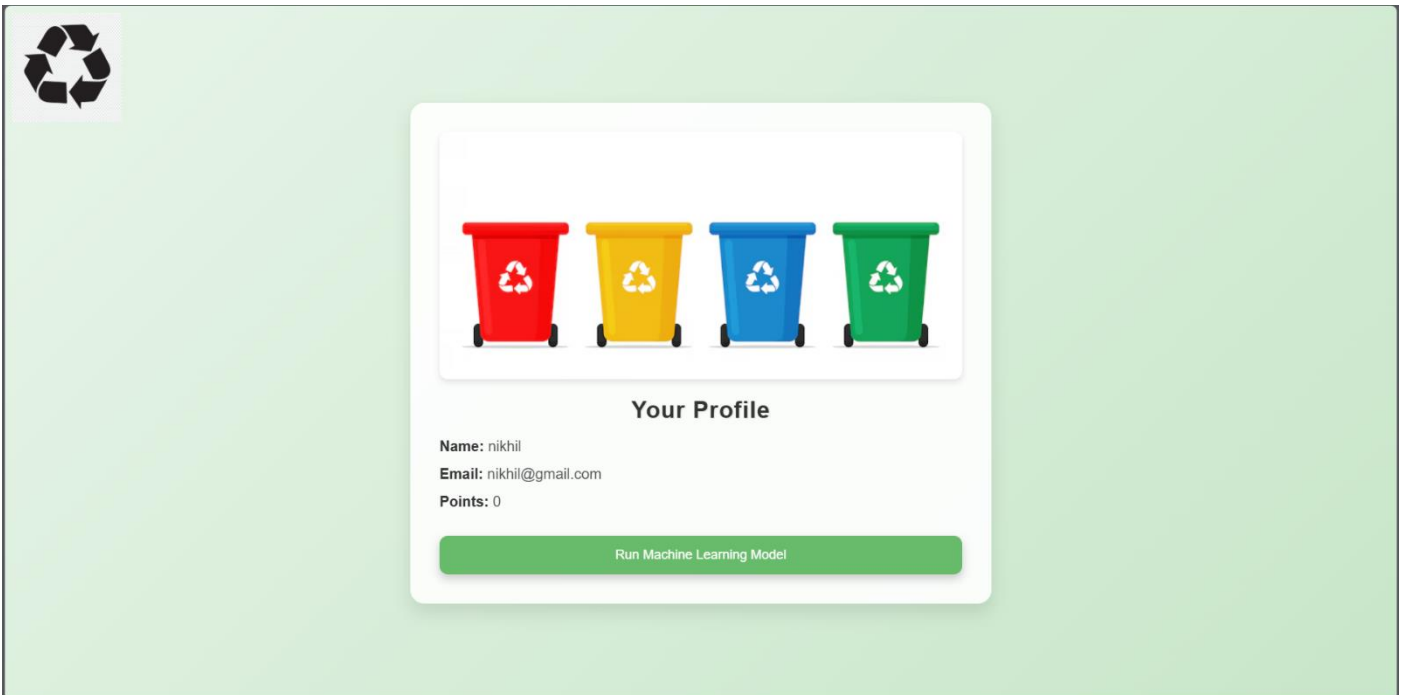
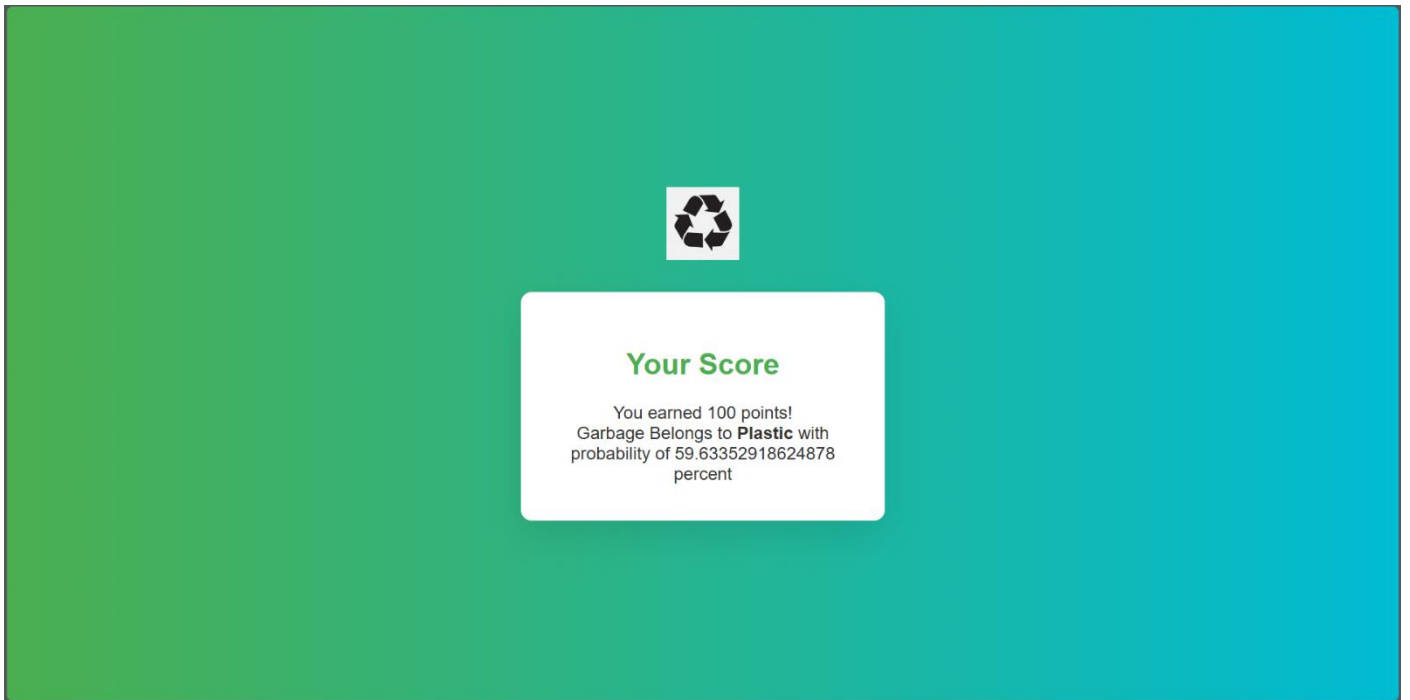


Figure 9. Website Profile Page



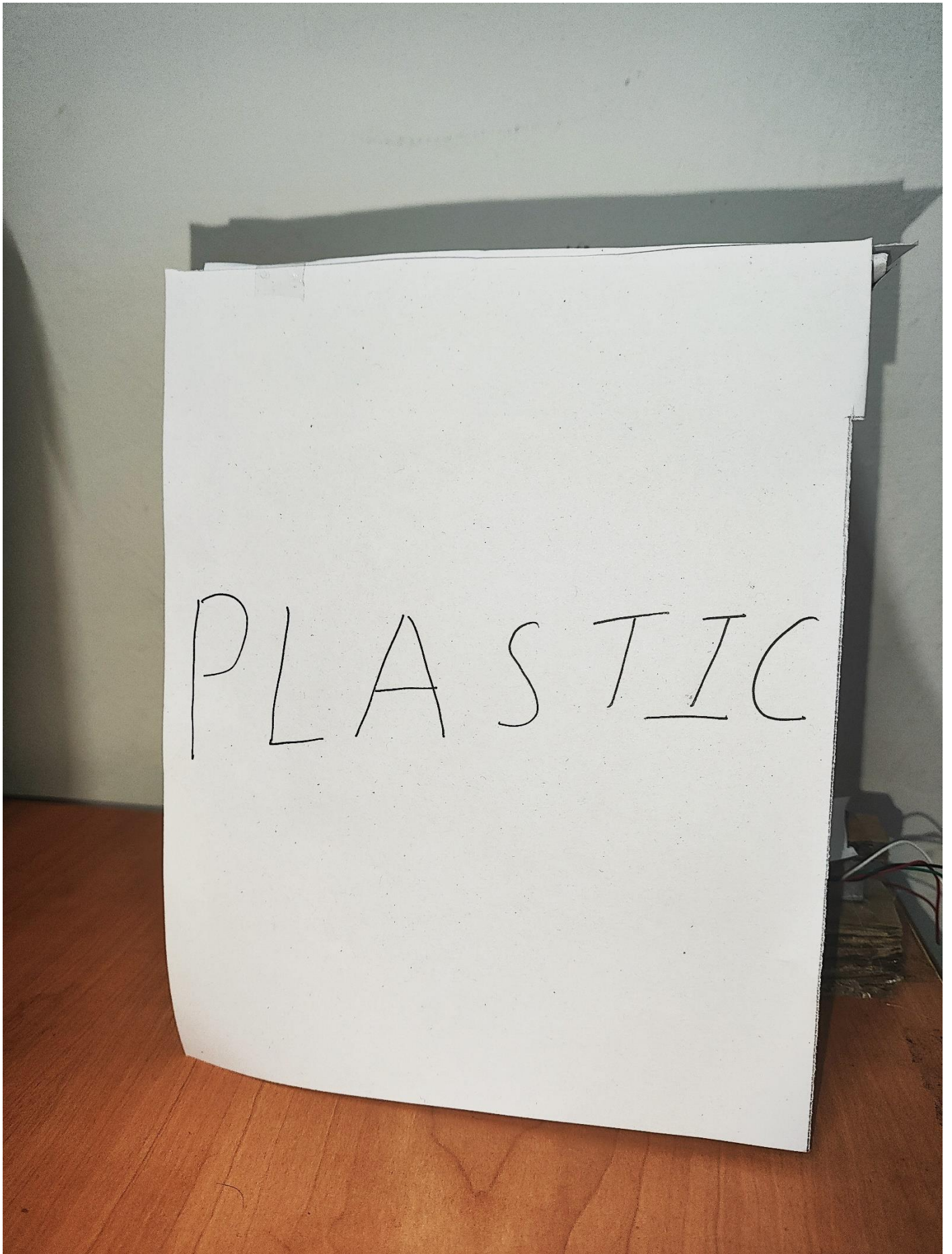


**Figure 10. Website Result Page**

**Real-Time Images of Smart Dustbin with Rewards**



**Figure 11. Full View**



**Figure 12. Front View of Plastic Dustbin**



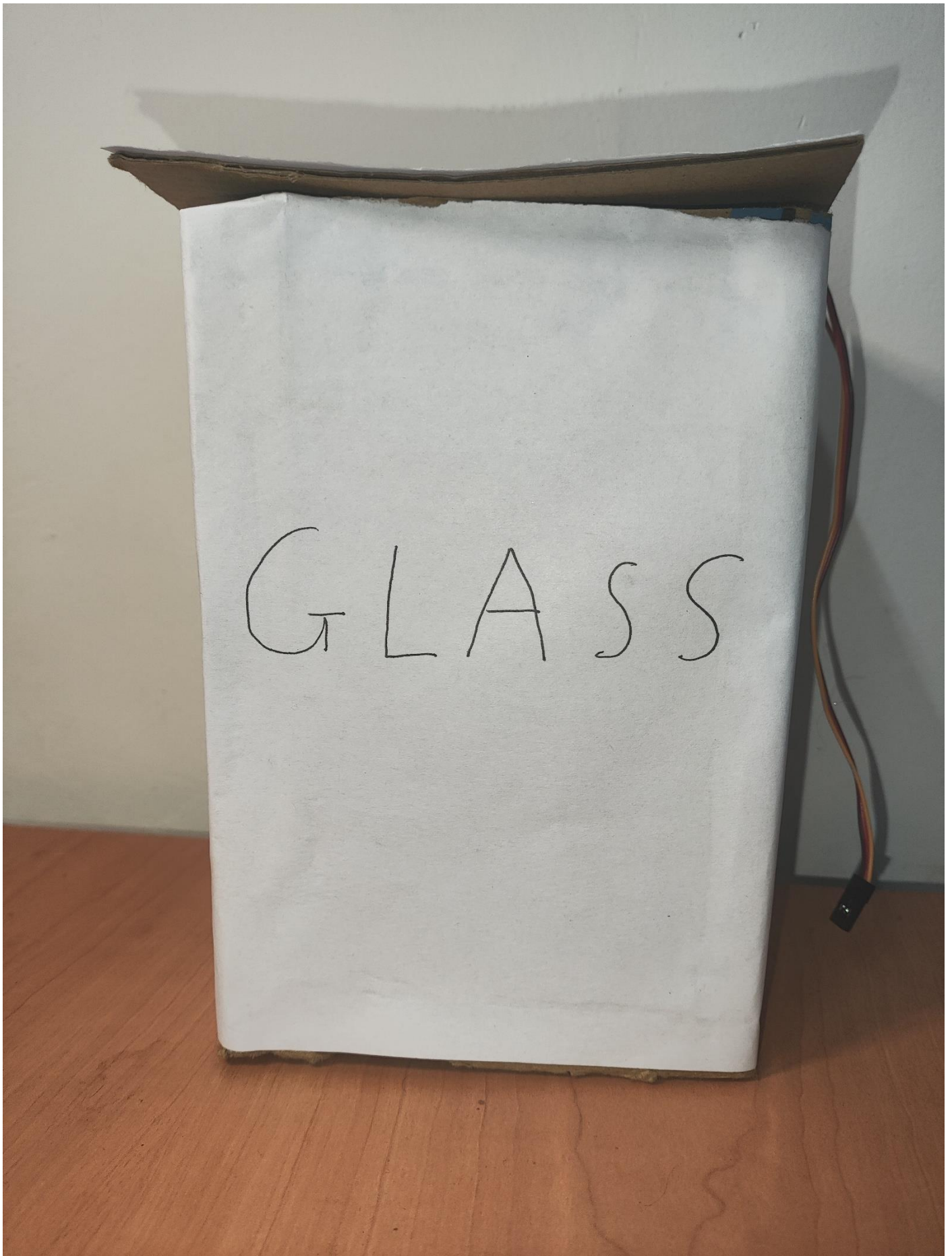


**Figure 13. Front View of Metal Dustbin**



**Figure 14. Front View of Cardboard Dustbin**



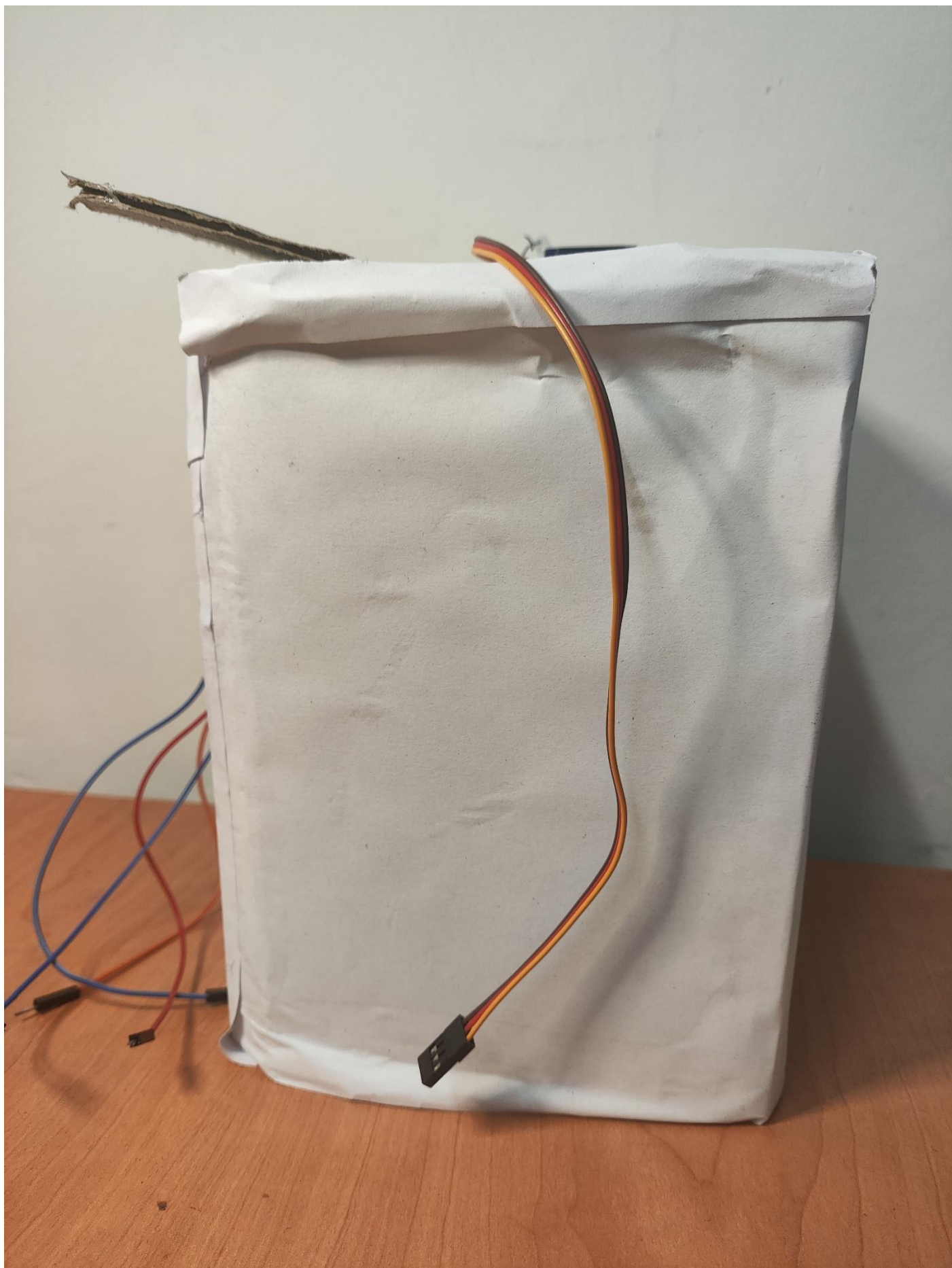


**Figure 15. Front View of Glass Dustbin**



**Figure 16. Rear View of Dustbins**





**Figure 17. Right View of Dustbins**



**Figure 18. Left View of Dustbins**



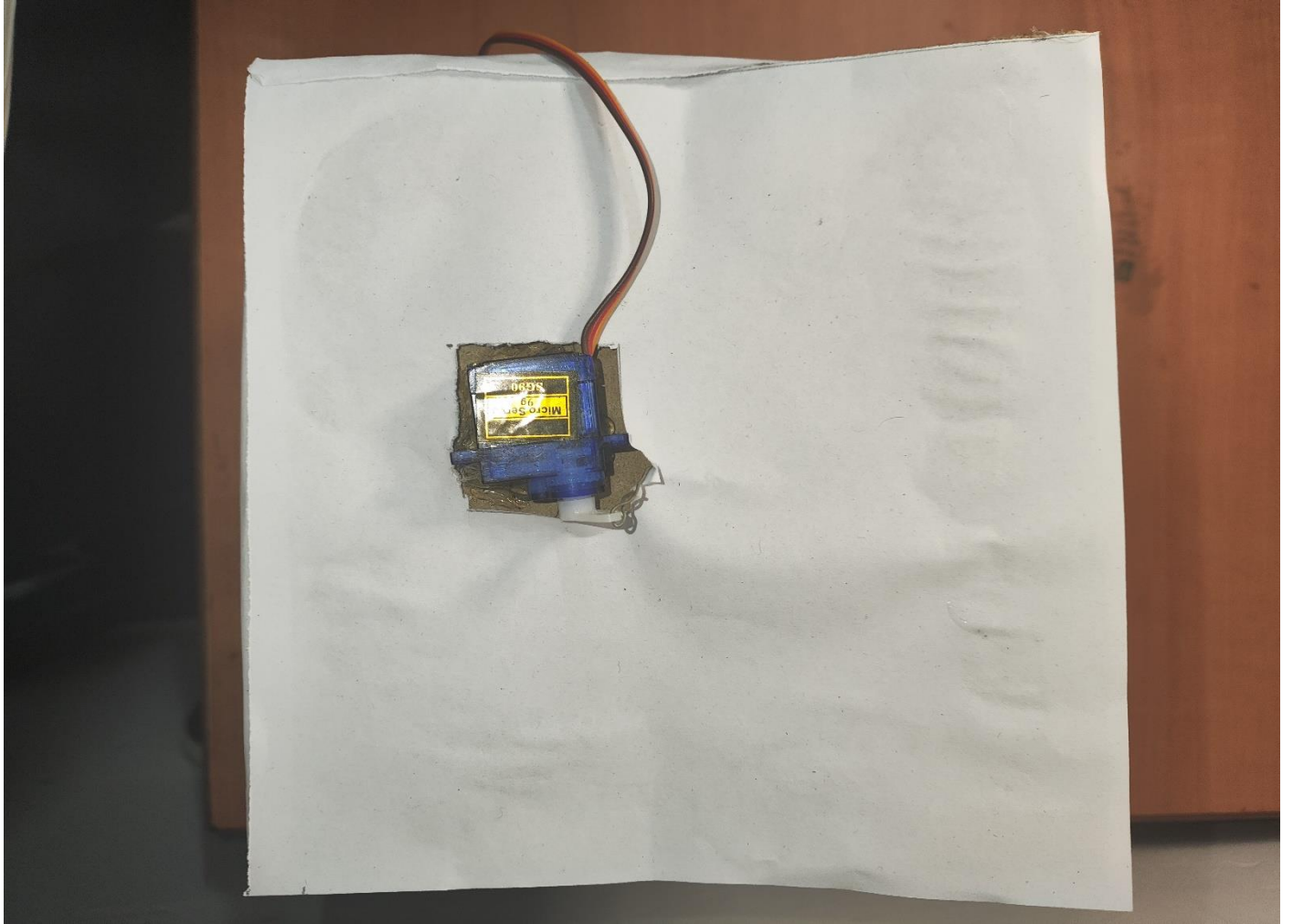


Figure 19. Top View of Dustbins

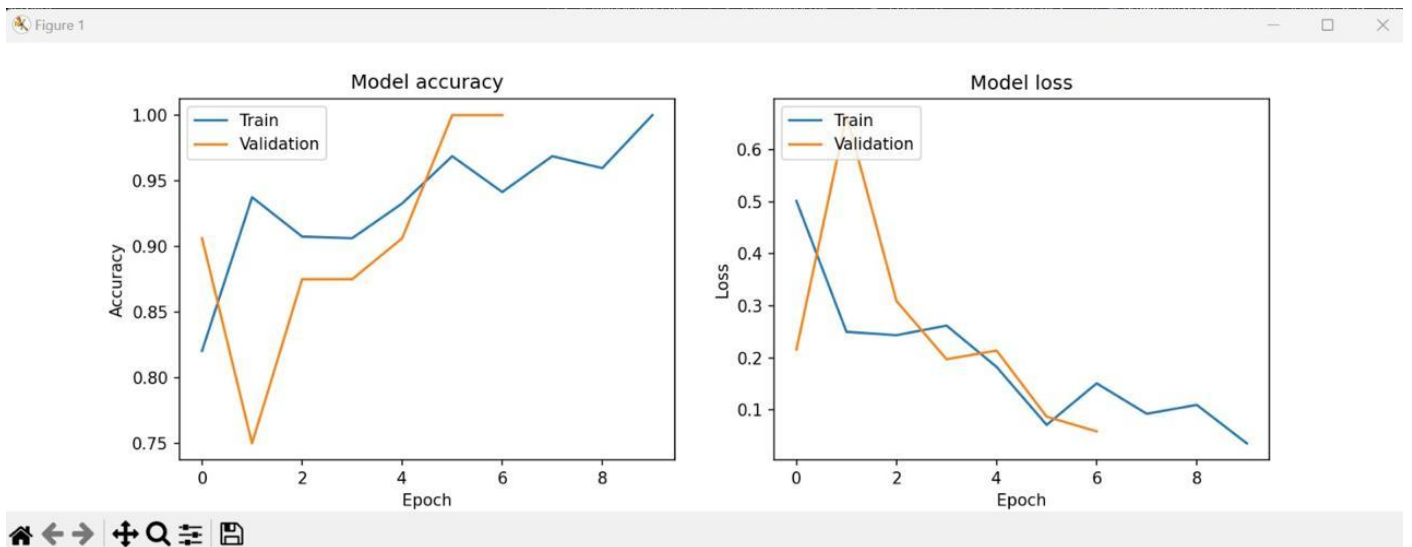


Figure 20. Model Accuracy and Loss Graph