GOVERNMENT COLLEGE UNIVERSITY, LAHORE

Department Of Computer Science

FINAL YEAR PROJECT

Litter Detecting System

Submitted by:

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PROJECT FEATURES:

- **Real-Time Litter Detection** – Uses ML and Computer Vision to detect students littering on campus.

- **Automated Fine Enforcement** – Identifies offenders and adds fines directly to their challan form.

- **Unbiased Monitoring** – Eliminates manual supervision and ensures fair enforcement.

- **AI-Powered Accuracy** – Trained on diverse datasets for precise identification of littering incidents.

- **Seamless Integration** – Can be integrated with university databases for student identification.

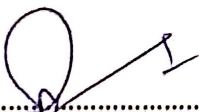- **Encourages Responsible Behavior** – Promotes a cleaner and more disciplined university environment.

Project	WB	AI	NW	SE	DB
EcoJustice(Litter Detecting System)	√	√	x	√	√

TOOLS AND TECHNOLOGY:

- **Frontend development:** REACT
- **Backend development:** MERN
- **Database management:** MongoDB

Name of Supervisor(s): _____ _Dr. Ayesha Atta_____

Supervisor's Comments:

Supervisor's Signature .... Date ...19-05-2025......................