RIPHAH INTERNATIONAL UNIVERSITY

Faculty of Computing
FINAL YEAR PROJECT INITIAL PROPOSAL

AI-Powered License Plate Recognition
Project Team

Full Name of Student	SAP Id	Program	Contact Number	Email Address
Munaza Malik	44956	BSCS	0315-0194550	44956@students.riphah.edu.pk
Areeba Sadaqat	47633	BSCS	0305-8591160	47633@students.riphah.edu.pk

Ms. Anum Aleem
(Lecturer)

Project Proposal

Project Title: AI-Powered License Plate Recognition

Description:

Our Final Year Project, **AI-Powered License Plate Recognition**, develops an automated system that makes vehicle entry faster, easier, and more secure. The system uses image processing and machine learning to detect and recognize car number plates. When a vehicle arrives, it captures an image of the plate, reads the characters, and verifies them against a database. If the plate is already registered, the gate opens automatically; otherwise, entry is denied. This reduces manual checking, prevents unauthorized access, and saves time. To enhance safety further, the system also includes an **Alerts and Notifications** feature that sends instant alerts when specific plates are detected, such as stolen vehicles. Our project is practical for universities, offices, and residential areas, providing a reliable and secure solution for managing vehicle access.