

## LabLine

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### Overview

Web-based application designed to streamline the process by which students in university computer labs request assistance from lab tutors it has been developed using Django and Django Channels, the system replaces the outdated and inefficient method of hand-raising with a digital queue that allows for real-time updates and smarter request management.



### Why LabLine?

This system addresses the key pain points observed in lab environments: the lack of a structured and fair mechanism for managing student queries. Long wait times, student demotivation, and tutor inefficiencies.

### Key Features

- Unique dashboards for students, tutors and lecturers.
- Ordered list of requests for lab tutors.
- Estimated wait time and queue position for each student's request.
- Lab maps to help tutors locate pending requests.
- Lab layout creator for lecturers to create layouts of the labs used for lab sessions.



### LinkedIn Profiles

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