

Driver Discovery System

Problem Statement and Challenge

In IIT Kanpur, finding an available auto-rickshaw or taxi remains a challenge for many of us. A rider standing at a location has no easy way to know which drivers are nearby and available, and how to contact them.

Build a software system that connects **riders** with **nearby drivers** in the simplest possible way. The system should work even when drivers have minimal technology access.

User Stories

For Riders (Passengers)

As a rider, I want to:

1. Open a web app and see a list of nearby auto/taxi drivers
2. View their phone numbers
3. Call them directly to check availability and negotiate

For Drivers

As a driver, I want to:

1. Register myself once (name, phone, vehicle type)
2. Indicate when I'm available for rides and share my approximate location
3. Turn off my availability when I'm busy or done for the day

Many drivers may not have smartphones or may not want to share live GPS continuously. Design a creative, low-cost solution for drivers to indicate their presence and location.

Admin Panel

Optional, but can make a simple dashboard.

What You Don't Need to Build

- Pricing or fare calculation
- Route planning or navigation
- In-app booking or ride confirmation
- Rating or review system

Focus on discovery, not booking.

Deliverables

A live and working demo, covering both user and driver stories, with an overview of the codebase.