

Ishan

Student ID: A00288365

Primary Role(s): Software Developer

Interests

- Developing applications using Python programming
- Developing applications on mobile for IoT-based systems
- Data Analysis

Roles & Responsibilities

- **Backend Development:** Ishan will assist in creating and maintaining the backend systems responsible for data processing and management of parking space availability.
 - **Developing the Mobile Application:** Ishan will be responsible for coding and testing the mobile app that allows users to interact with the parking system (e.g., viewing available spaces, making reservations).
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Raj

Student ID: A00288676

Primary Role(s): Hardware Lead

Interests

- Hardware design and integration
- Troubleshooting and optimizing electronic components
- Creating networks of sensors for the collection of instant data

Roles and Responsibilities

- **Hardware Setup and Maintenance:** Raj will be responsible for setting up the sensors and other hardware components in order to monitor parking space availability.
 - **Prototyping and Testing:** Raj will be responsible for guiding the prototyping platform so that the hardware components are working properly and are compatible with the whole system.
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Bhavya

Student ID: A00289352:

Primary Role: Network/IoT Specialist

Interests

- IoT communication protocols (MQTT, HTTP, etc.)
- Creating local networks and facilitating communication between devices
- Collecting sensor data and making it efficient in communication

Roles and Responsibilities

Implementation of IoT protocols: This involves wiring up the sensors, the mobile app, and finally the backend system using suitable IoT protocol such as MQTT with Bhavya.

Network Optimization: Further, Bhavya will make sure that the communication network is secure and fast and reliable between devices with a focus on minimizing latency and data loss.

Naisharg

Student No: A00290686

Academic Role: Project Manager

Interests

- Project management and team coordination
- Ensuring that the milestones are met on schedule
- Managing the scope and resources for a technical project Roles

Responsibilities

Liasing The Team: Naisharg shall ensure that deadlines are kept, managing tasks and facilitating communication within the team members.

Documentation of the Project: Naisharg oversees tracking the progress of the project, maintaining records of agreements and compiling project reports