10.1 Individual Objective

Dharshan R E (21113049)

* Oversees the project, sets goals, and establishes timelines.
* Designs the physical components of the doorbell system.

Harish Jayaram S S (21113050)

* Develops the firmware for the doorbell system.
* Designs the user interface for the mobile app or web portal.

Abirajah P A (21113069)

* Designs the doorbell's housing, ensuring it is appealing and functional.
* Identifies and reports bugs or issues for the software and hardware.

10.2 Role of the Team Members

Dharshan R E (21113049)

Reviewing some research papers and preparing the report.

Harish Jayaram S S (21113050)

Reviewing some research papers and preparing the PPT.

Abirajah P A (21113069)

Reviewing some research papers and performs compatibility testing across different devices and environments..

10.3 Contribution of Team Members

Dharshan R E (21113049)

* Oversees the project, sets goals, and establishes timelines.
* Allocates resources effectively and manages the budget.
* Ensures the project stays on track and within scope.
* Facilitates communication among team members and stakeholders.
* Designs the physical components of the doorbell system.
* Selects appropriate sensors, microcontrollers, and other hardware.
* Develops the circuitry and PCB design.
* Ensures the hardware is robust and cost-effective.

Harish Jayaram S S (21113050)

* Develops the firmware for the doorbell system.
* Implements features like remote access, notifications, and user interfaces.
* Ensures the software is user-friendly and compatible with various platforms.
* Addresses security concerns to protect user data and the device.
* Designs the user interface for the mobile app or web portal.
* Focuses on creating an intuitive and visually appealing user experience.
* Conducts user testing to gather feedback and make improvements.
* Collaborates with the software engineer for seamless integration.

Abirajah P A (21113069)

* Works on the product's physical appearance and aesthetics.
* Designs the doorbell's housing, ensuring it is appealing and functional.
* Takes ergonomics and ease of installation into consideration.
* Collaborates with the hardware engineer to ensure a cohesive design.
* Develops and executes test plans to ensure the doorbell system's functionality and reliability.
* Identifies and reports bugs or issues for the software and hardware.
* Performs compatibility testing across different devices and environments.
* Ensures the product meets quality standards and safety regulations.