

Abstract

When we first thought about our graduation project, one thing was clear: we wanted to create something that truly helps people. Thus, we will make **“Harmoni Move,”** a **smart mobility chair** designed to assist individuals with **palsy** in completing their daily tasks more easily and smoothly.

The chair is primarily intended to enhance independence for individuals with disabilities by integrating **assistive technologies**. It features an **automated control panel** that allows users to manage various aspects of their home, including the **air conditioner, fan, LED lights, alert system, and security system**.

“Harmoni Move” is equipped with **wireless communication**, enabling seamless interaction between the chair and smart home devices. Additionally, the chair incorporates **voice control** for hands-free operation, an **emergency alert system** for safety, and **adaptive movement control** to ensure smooth moving inside the house.

Beyond mobility, our system focuses on **enhancing quality of life** by providing **intelligent automation, safety features, and user-friendly controls**. Our goal is to contribute a meaningful project rather than simply submitting a graduation requirement, and this is our initial vision and we may add or update some details.

◆ Added Features:

- **Wireless communication** for seamless device control.
- **Gesture and voice control** for hands-free interaction
- **Emergency alert system** to enhance safety
- **Automated adaptive home electronics** based on the disabled person needs.