



INTEGRAL ROBOTICS LAB INTEGRAL UNIVERSITY LUCKNOW



BACHELOR'S THESIS

ARM -Autonomous Robotic Machine

Project Description:

Imagine a world where mobility knows no bounds, where cutting-edge technology converges with compassion to reshape the way we move. Welcome to the future, embodied by our groundbreaking project - the Autonomous Robotic Mobility, or **ARM**.

ARM - the Autonomous Robotic Mobility, is not just a vehicle; it's a visionary prototype that defies limitations, designed with a singular purpose - to enhance lives. This remarkable innovation offers a multitude of applications, from providing newfound freedom to paralyzed and disabled individuals through wheelchair integration, to revolutionizing logistics by seamlessly transporting luggage and goods. ARM's adaptability extends even further, as it can breathe autonomy into existing vehicles, transforming them into the next generation of smart transport.

Tasks Involved:

1. Assembly
2. Programming
3. Sensors and Control
4. Navigation
5. Testing and Debugging
6. Remote Control
7. Safety Precautions
8. Documentation

Supervisor:

Mohd Usman Khan (Dept. of Computer Science and Engineering)

Start Date: 09/Sep/2023

End Date: 15/Nov/2023