

# INCENTIVE ASCENT

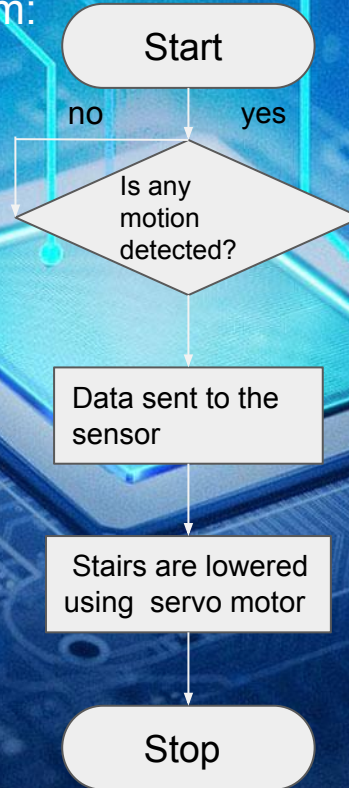
## Problem Statement:

Senior citizens and kids or even people in general find it difficult to get on the buses as the stairs are highly elevated.

## Objective:

- 1.The main objective is to provide an undemanding and nonchalant mode of hospitality that contributes to smart and easy living.
- 2.We have built a prototype that serves the purpose by automating an extra stair that connects to the pre-existing stair with the help of servo motor.

## Block diagram:



## Design:

- 1.We have simplified the project to make it more accessible and cost efficient
- 2.The key feature is that the product uses a IR sensor to detect the people - contributing to the easy and comfort of this product.
- 3.The designed product makes the task very quick and efficient with zero contact.

## Future enhancements:

- 1.Facial recognition to sense the senior citizens.
- 2.Height recognition

Jeff Presly, Joshan  
Sagayam, Ooviya M V,  
Joshua Agnel. - 2021 ECE

Department of Electronics and Communication Engineering  
Loyola-ICAM College of Engineering and Technology(LICET)  
Loyola Campus, Nungambakkam, Chennai-600 034

