# Controlled Car with Infotainment System


*Presented by :*

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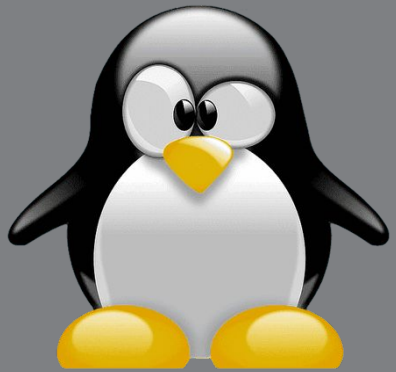
*Nihal Khaled Ibrahim*

*Roanne Khaled Ibrahim*

*Shrouk Magdy Ibrahim*

# Outline

- Introduction
- Car control
- Infotainment system



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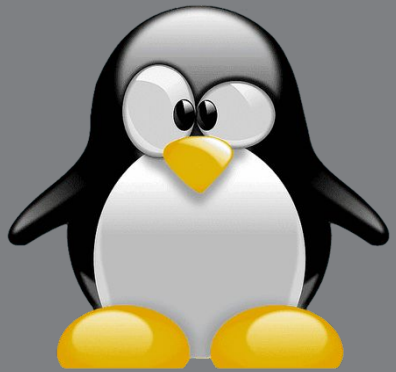
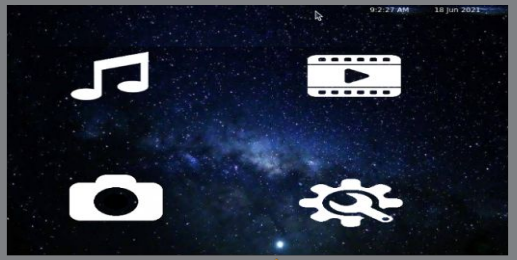
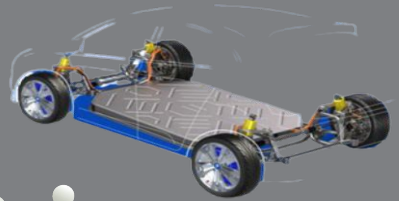




connect

Triggers the camera
when going backward

Controls motors



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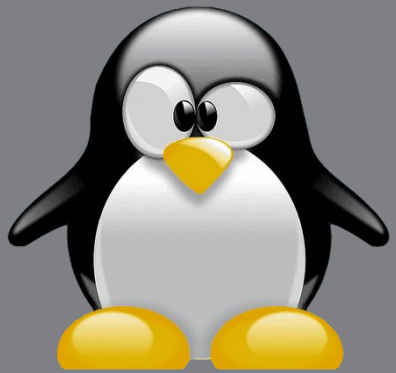
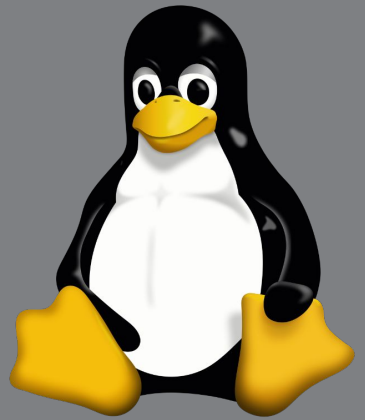
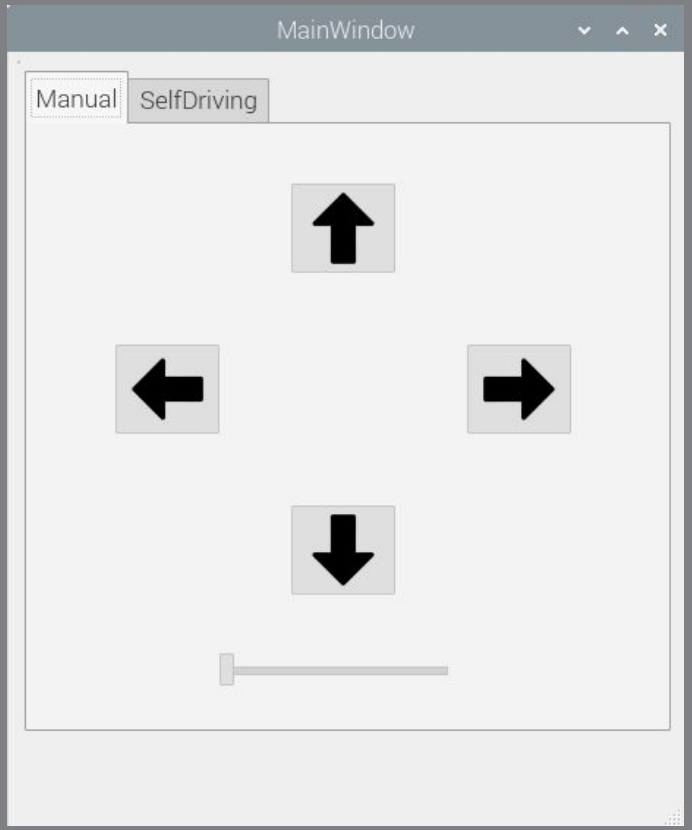


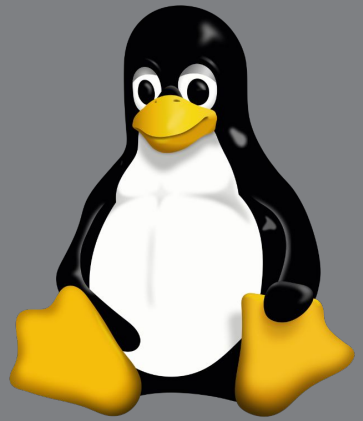
# Features

1. Car control GUI can be used remotely using WIFI
2. Supports manual maneuvering for the car through the GUI either using keyboard or mouse
3. Speed is changeable
4. Supports self driving according to specific path , by selecting start and destination point



# Manual Mode



# Manual Mode

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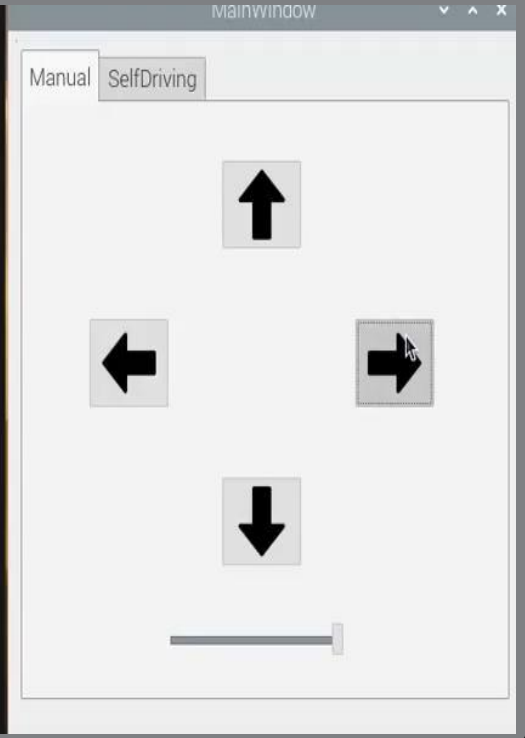
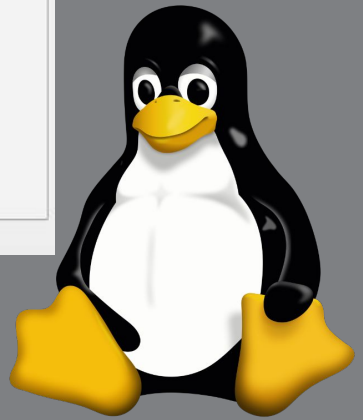
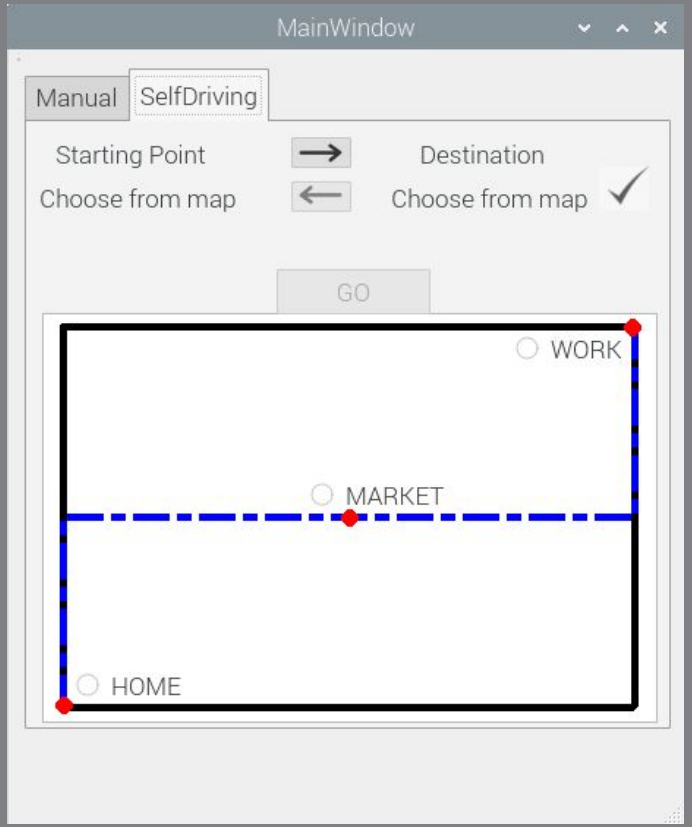


# Self driving Mode



# Self driving Mode

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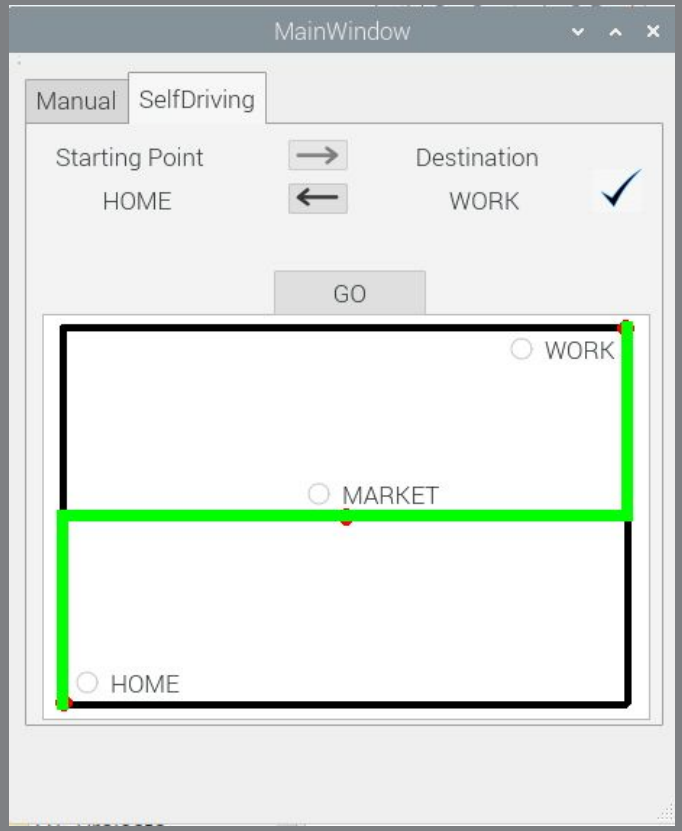

# Self driving Mode

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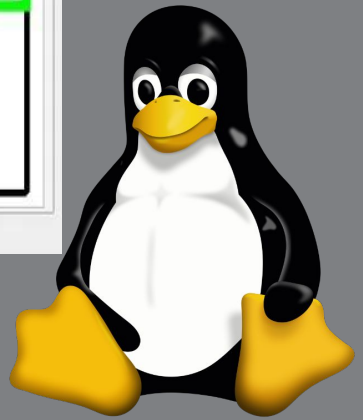

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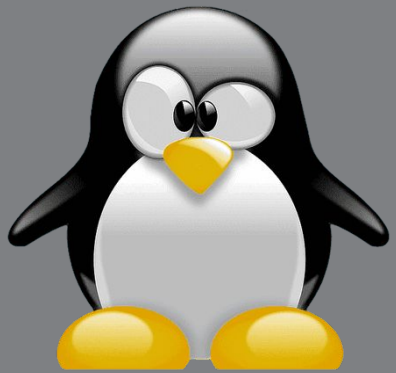
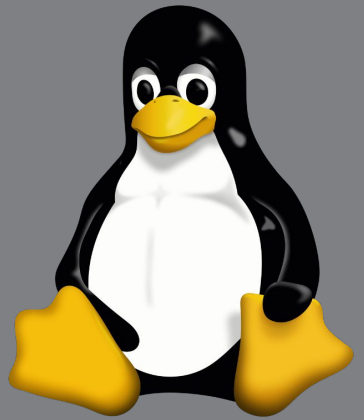
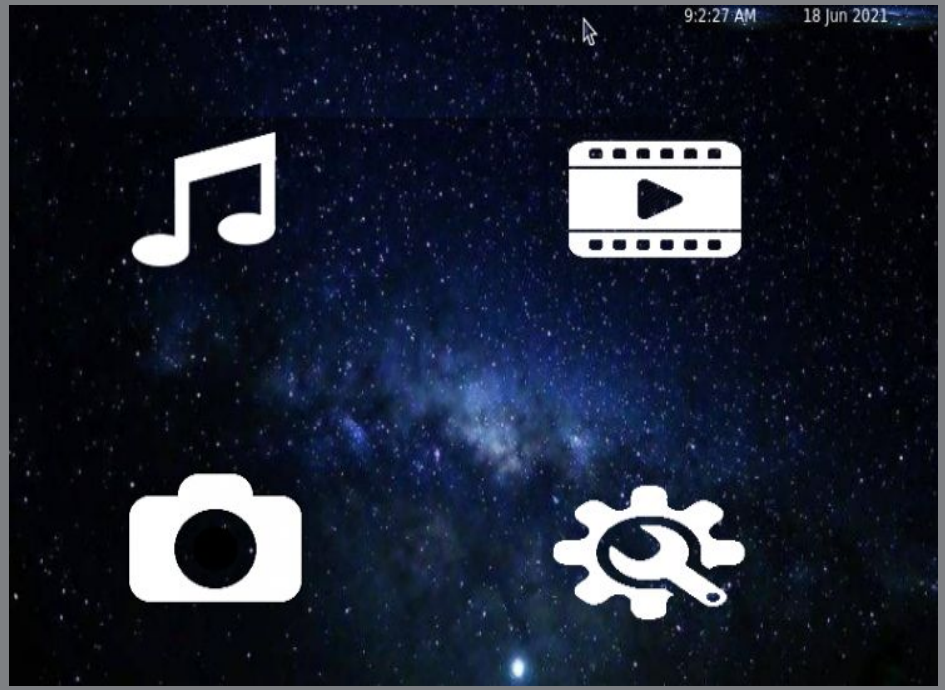


# In-vehicle infotainment

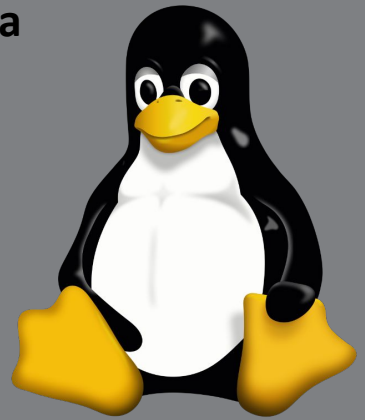


# Main Features of IVI




- **Entertainment Services**
  1. MP3
  2. MP4

- **Information Services**
  1. Rear view Camera
  2. Settings Panel



# Main Features of IVI

Cont'd

## MP3

# Main Features of IVI

Cont'd

## MP3

# Main Features of IVI

Cont'd

## MP4

# Main Features of IVI

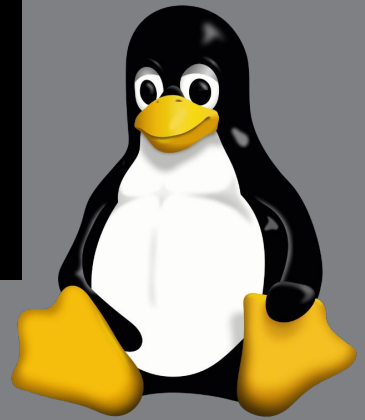
## Settings Panel

Cont'd

# Main Features of IVI

## Settings Panel

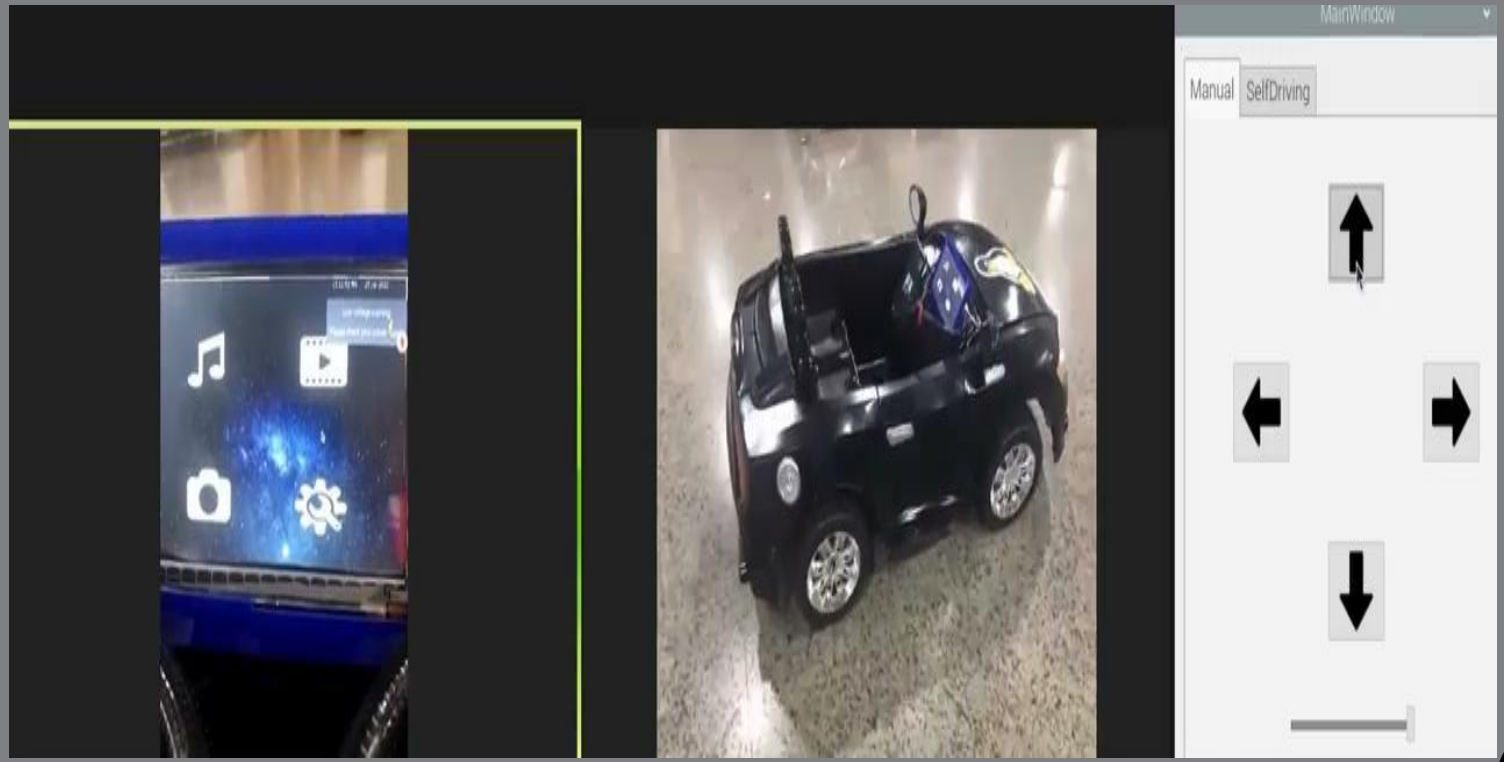
Cont'd



# Main Features of IVI

Cont'd

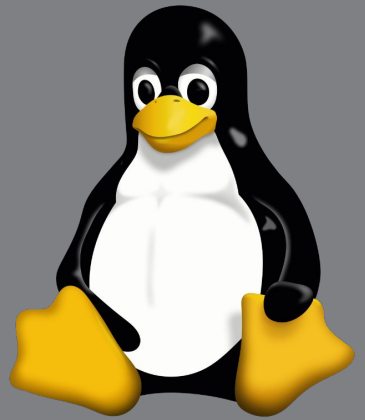
## Rear view camera



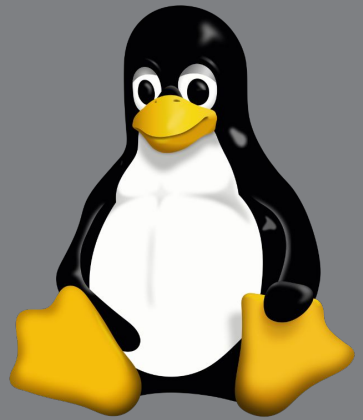
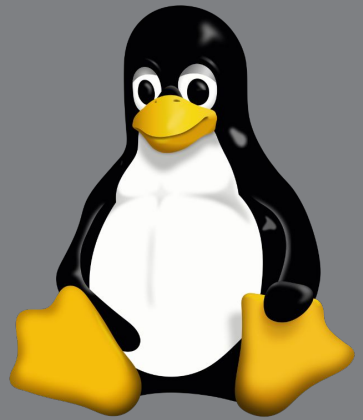
# Future

- Object Detection
- Auto Parking
- GPS
- Google maps

- In-Vehicle Connectivity
- Voice controls
- Front Camera
- Internet Connectivity



# Any Questions ?



# THANK YOU !