Hexapod robot

Objective---For exploration in cave, forest and Surveillance

## Functions/task it has to do

1. Object/face detection

2. Moving autonomous to predefined location

3 Able to control manually

4. Communication between user and robot

## ADD-ON Tasks

1. To know distance between user and robot

2. Temperature Sensor, Ultrasonic sensor

# Hardware requirements:

1. Raspberry pi model 3 b+/dragon board 410c

2. Pixy cam

3. Servomotors

4.3d printed parts

5. Joystick

6. Gps modules

7. Lora modules

8. Display 7 segment

9. Keypad

10 Arduino

11. Pwnm driver board

Software requirements:

1. Embedded C/ Arduino Complier

2. Linux/Windows OS

3. Python Programming

4. Keras Framework