

## **Interns**

**Kulasekaran, Jaydev Yadav,  
Aniruddha Thakre**

## **Mentors**

**Avijit Pandey, Avinash Dubey,  
Amit Kumar, Maddu Shravan Murali**

# **SELF BALANCING ROBOT DEVELOPMENT**

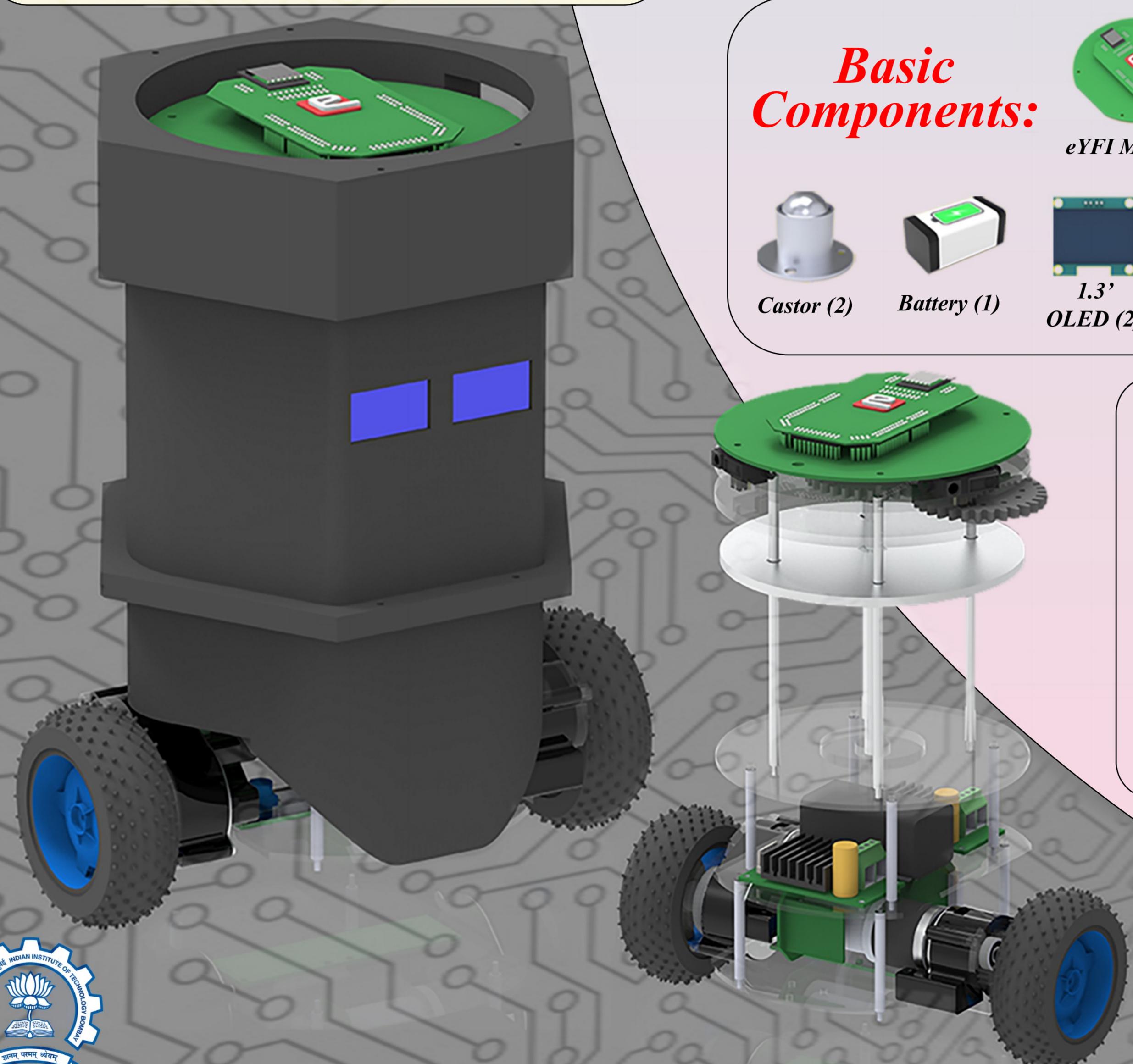
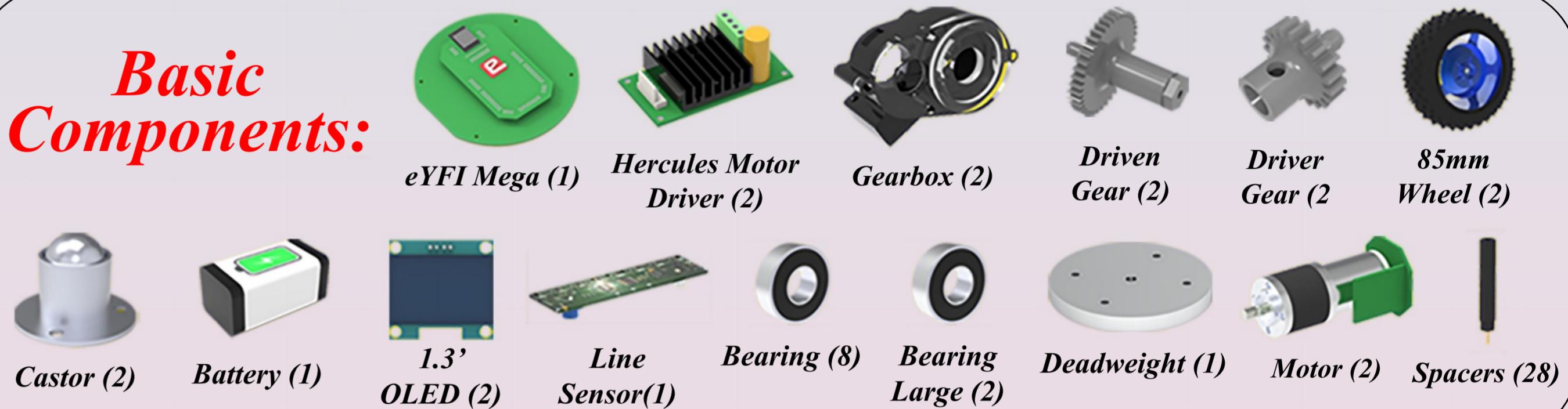
## **Problem Statement**

*To spark the interest and lessen the burden among students in learning the concepts of Control systems / Robotics / Embedded systems*

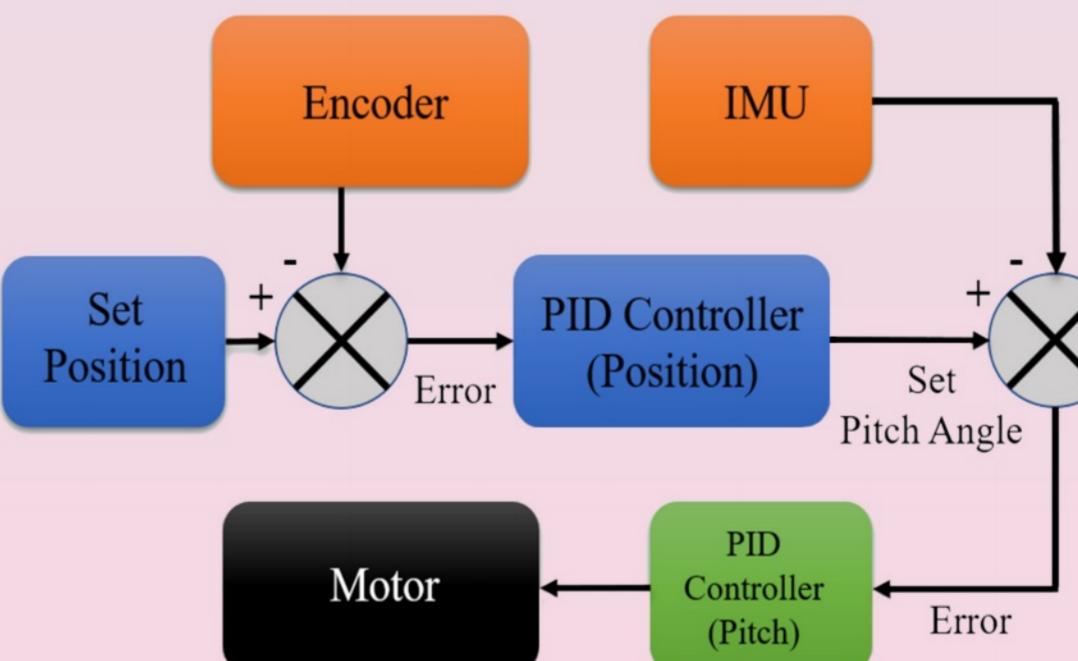
## **Objective**

*To develop a Self Balancing robot that can be used for educational purposes and also as a toy for kids.*

## **Basic Components:**



## **Process Flowchart**



## **Addons**

**Camera-OV7670  
UltraSonic-HCSR04  
Electromagnet  
PIR motion sensor  
IR obstacle sensor**

## **Features**

**Adjustable CG  
Accessibility  
Replaceability  
Compact form  
Line follower  
Educ Kit**