

## RASPBERRY PI BASED BALL TRACKING ROBOT

### ABSTRACT

The aim of this project is to detect the ball and then track it based on the color. This is a real time visual based project, Images are continuously captured with the help of Pi camera which is located on Robot chassis and is connected to the raspberry pi using RMC connector. It will detect the object of specific color or shape and then robot tracks that object by moving left or right and forward or backward according to the object movement. It maintains the constant distance between the detected object and robot by using ultrasonic sensor. Image processing is used to capture and calculate the dimensions of frame or moving object image which is captured by Pi camera.

·  
·

At work as usual: 080-40969981 | Write to me: [info@technofist.com](mailto:info@technofist.com), [technofistprojects@gmail.com](mailto:technofistprojects@gmail.com)

|when u needs me the most: +91-9008001602, 080-40969981|

On theWeb: [www.technofist.com](http://www.technofist.com) , [www.itcdp.in](http://www.itcdp.in)