

**COMSATS UNIVERSITY ISLAMABAD**

**DEPARTMENT OF COMPUTER SCIENCE**

COMSATS University Islamabad, Vehari Campus



Project Proposal

Semi-Autonomous Entity Carrier Using External Sensors

Version 1.0

***By***

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Category**:** Robotics / Hardware / AI

## Abstract

Self-navigating object carrying hardware utilizes Arduino or Raspberry pi microcomputers. It is fundamentally a robot that follows a specific path or direction and chooses its own navigation-plan interacting with the type of obstacle. The path can be a dark line on the white floor here we will use the dark line. Its applications start from fundamental homegrown uses to mechanical industry utilization, and so on. The utilization of line following mechanical vehicle is transport the materials starting with one spot then onto the next place in the hemisphere. This robot development totally relies upon the track. In our project presentation our robot will be conveying the bundles or materials starting with one spot then onto the next place utilizing the carrying trolly. The robot can do anything you set them to do in our case we will use it for carrying small objects.