

## LINE FOLLOWING ROBOT WITH FORK LIFT

### ABSTRACT

This paper proposes the design of automatic forklift with arduino nano module. Currently in warehouse the storage systems are done in traditional way with a human operator. This project is intended to construct an autonomous mini forklift robot that uses ultrasonic sensors to find the good and to store in warehouse. Here the robot identifies the item by reading the colours difference on objects. The robot will navigate to destinations where storage space is available. For navigating it uses a line follower module which follows the black path over white surface..

### LINE FOLLOWER ROBOT

Line follower Robot is a machine which follows a line, either a black line or white line. Basically there are two types of line follower robots: one is black line follower which follows black line and second is white line follower which follows white line. Line follower actually senses the line and run over it. Concept of working of line follower is related to light. We use here the behaviour of light at black and white surface. When light fall on a white surface it is almost full reflected and in case of black surface light is completely absorbed. This behaviour of light is used in building a line follower robot. These conditions can be controlled by programming.

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