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Automatic Remote Control Material Handling Trolley Robot

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Abstract: *The main objective of this project is to fabricate a robotic trolley for material handling in industries. In this project a robotic vehicle is fabricated which runs like a car by carrying tools from place to another. The motor is connected with the wheel arrangement with the help of speed reduction gear box. When the trolley is loaded with a tool or some other goods it can be easily move to the place as per need by means of wireless remote controller .It can be used in industries, hospitals etc. Industrial operations require continuous flow of material form one workstation to another in industries. This is done manually in most of the small scale industries due to the lack of high initial investment in powered material handling equipment and also the increased maintenance costs of the same. The proper and timely flow of material not only reduces the transit time across the industrial floor but ultimately reduces the time required for the production resulting in increased profits and increased production. This project deals with the concept of portable electric remote controlled forklift for material handling industries. The proposed project consists of development of portable electric remote controlled forklift which can operate with material handling forklift attachment incorporated to the same. This is not only cost effective but also helps in increased industrial productivity.*

Keywords: Base, Chassis, Remote Control Stories, Robotic Trolley, DC Motor

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