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Project Title	: A Development of Automated Guided Vehicles Systems
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Abstract

This project is a development of Automated Guided Vehicles Systems: AGVs. Design of mechanical machine are flexible for used. Design by the driver and the driven are separate from each other and the two part are locked by spring. The driver have magnetic sensor for direction guided. And station it have fixed by user for transport material or work piece. There are controlled by computer (PC Base control)

The work of Automated Guided Vehicles it have magnetic sensor for direction guided and it have microcontroller to receive data of each other bit from sensor. After that, microcontroller are transmit data to computer through USB port to processing under condition to defined. When computer are processed data will transmit to motion controller board for motor drive to defined transport point.

The results of the experiments Automated Guided Vehicles Systems. It can stop at target station except in case of weight over 80 Kg. When travelling with maximum velocity is 0.5 m/s. it have error over limit 0.14 cm. In conclusion from experiments to find efficacy of Automated Guided Vehicles factors that cause errors to access the station it is the velocity to takes run.