WEIGHT – CARRYING ROBOT

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ABSTRACT

➤ Our prject is Weight – Carrying Robot
➤ The robot itself should be 5 kg and it should carry a minumum load of 15 kg.
➤ The robot's direction and speed are controlled cell phone utilising Bluetooth connectivity.
➤ The robot should be able to controlled in four direction: forward, backward, left and right.
➤ The robot should be equipped with obtacle and weight sensors to ensure safe operation.
➤ We made it able to move when weight was applied by using an Ardunio Mega, 2 Motor Driver and 4 DC motors.

BRIEF OPERATION OF SYSTEM

A robotic system with wheels that can support weight is known as a weight-bearing robotic system. Commands from the user are transmitted to the sensor and motor drivers by Ardunio. The object's and the robot's position and orientation are detected by the sensor. DC motors are used by motor drivers to regulate the force and motion of the wheels. The system receives energy from batteries, which serve as the power source.

MEMBERS OF PROJECT

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➤ ALPARSLAN DERECİK
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