MPCA PROJECT

TOPIC-CAR PARKING SYSTEM

MEMBERS:

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ABSTRACT-

We have brought to your notice our concept of an simulator for car parking ,where we use concepts we have learned from M.P.C.A to construct a mini model of the above stated where we construct a 6 slots parking working on the basis on sensors which detect movement (motion detector sensor-IR sensors) to detect whether a car is allocated to the respective parking compartment for the secondary car to relatively park in whatever compartment is available relatively in a sequential order, also two sensors are used to detect whether the car is entering or vacating the parking compartment based on which sensor detects motion first

COMPONENTS REQUIRED-

Arduino Uno

20×4 LCD Display

I2C LCD Module

Male Header

Female Header

IR Sensor x 8

Mini Servo Motor SG-90

Female DC Power Jack

5v 2Amp Power Adapter

CIRCUIT DIAGRAM:

