



COLLEGE NAME: PRIYADARSHINI ENGINEERING COLLEGE

COLLEGE CODE:5119

COURSE NAME: IBM

GROUP NUMBER: 2

PROJECT TITLE:SMART PARKING

PROJECT SUBMITTED TO: Skill UP

YEAR: 3

DEPARTMENT:ECE

SEMESTER: 5

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SMART PARKING

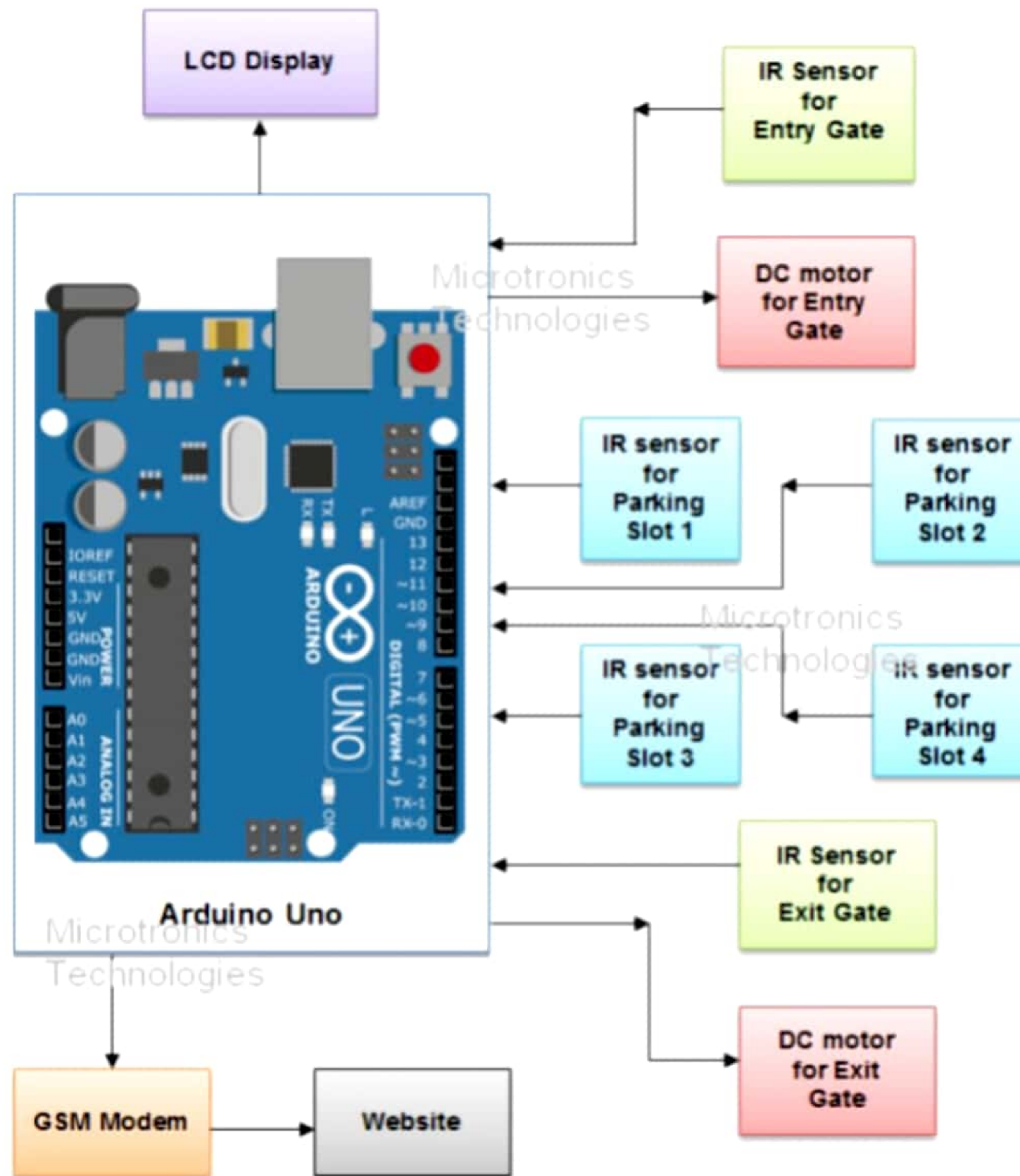
PHASE 2

INNOVATION

ABSTRACT:-

With growing , Car parking increases with the number of car users. With the increased use of smartphones and their applications, users prefer mobile phone-based solutions. This paper proposes the Smart Parking management system (SPMS) that depends on Arduino parts, Android applications, based on IoT. IR sensors are utilised to know if a car park space is allowed. With IoT technology, the smart parking system can be connected wirelessly to easily track available locations.

BLOCK DIAGRAM



Block diagram of the IOT based Car
Parking System project

Arduino:

Arduino is a project created by the largest technical community of engineers and developers to develop interactive control projects using various types of electronic boards programmed with free programming language .

GSM MODULE:

GSM Module is a circuit which is used to set up communication between mobile phone controller. It is used to send SMS, MMS, and voice messages through a mobile network.

IR SENSOR:

IR sensors are now widely used in motion detectors, which are used in building services to switch on lamps or in alarm systems to detect unwelcome guests.

DC MOTOR:

A servo motor is a motor with a gearbox and a Shaft transmission that gives motion greater torque and greater precision.

When the engine is pulsed at a certain time, the engine rotates the angle according to that time.