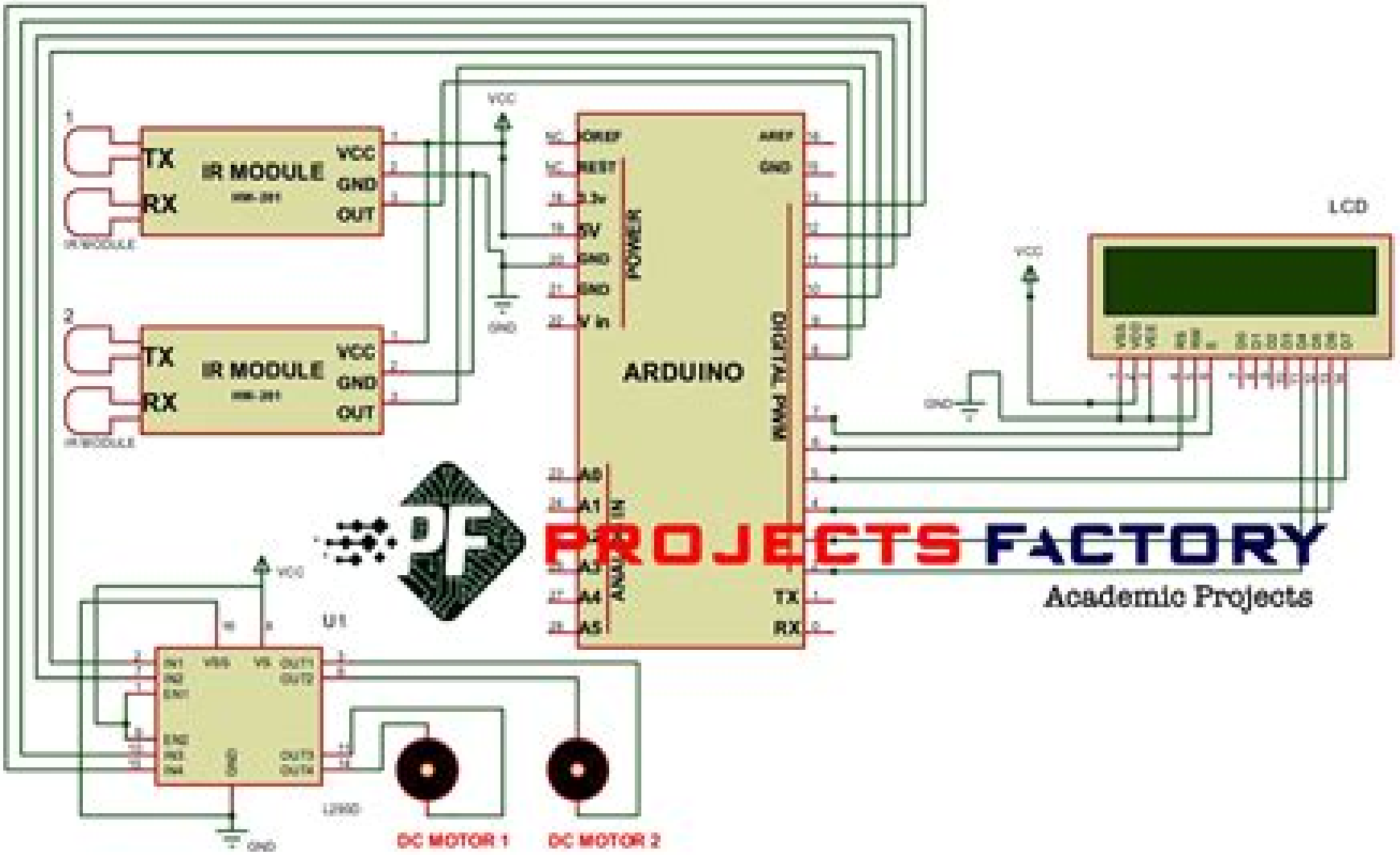
AUTOMATIC RAILWAY GATE CONTROL



Automatic Railway Gate Control Using 8051 Microcontroller

Rachel Sandford

Automatic Railway Gate Control Using 8051 Microcontroller:

Applied Approach to Privacy and Security for the Internet of Things Chatterjee, Parag,Benoist, Emmanuel,Nath, Asoke,2020-06-26 From transportation to healthcare IoT has been heavily implemented into practically every professional industry making these systems highly susceptible to security breaches Because IoT connects not just devices but also people and other entities every component of an IoT system remains vulnerable to attacks from hackers and other unauthorized units This clearly portrays the importance of security and privacy in IoT which should be strong enough to keep the entire platform and stakeholders secure and smooth enough to not disrupt the lucid flow of communication among IoT entities Applied Approach to Privacy and Security for the Internet of Things is a collection of innovative research on the methods and applied aspects of security in IoT based systems by discussing core concepts and studying real life scenarios While highlighting topics including malware propagation smart home vulnerabilities and bio sensor safety this book is ideally designed for security analysts software security engineers researchers computer engineers data scientists security professionals practitioners academicians and students seeking current research on the various aspects of privacy and security within IoT Science Abstracts ,1993 *Automatic Unmanned Railway Gate Control Using Solar and Object Sensor* Kalaivani M,2019 This paper discusses about solar based automatic unmanned railway gate using object sensor was used to avoid accident both on the gate and on the track It consists of two IR sensors and by using those sensors the accident was avoided in the gate If the vehicle got struck on the railway track during the closing of railway gate the ultrasonic wave travel and touches the body of the object and reflected back The reflected waves are received by the receiver on the train the distance was measured and displayed on the digital display to the train driver By using above formula the distance of the object from train was calculated and by using that accident was avoided Ultrasonic waves it travel very fast in air medium which is 0 0004 rayls Plc Bible and Automatic Rail Gate Control and Security Using 'Plc' Md. Nazmul Hasan,2012-08 This book is focused on the Rail Way Gate is controlled by human resource till now in our country So some man power is engaged for this non productive work Sometimes for some unfortunate signal transformation mistakes citizen fall immeasurable damages From the sense of humiliation development and save our resource by the gift of modern electronics I take the research about Automatic Rail way gate control by using Programmable Logic Controller PLC PLC is the devices which give us a vast option of process and procedure to make many works by using a single device PLC can works in any situation or place whatever is it It can works in low voltage of electronics environment So any devices which can works with relay is used on PLC There are many further scopes of development on this project We worked on the railway gate control topology but the system is not end on this stage It has many scopes on software development method development and instrument enhancement etc I want to develop it in future world *Embedded Controller Forth For The 8051 Family* William H. Payne,2012-12-02 The purpose of this book is to present the technology requied to develop hardware and software for

embedded controller systems at a fraction of the cost of traditional methods Included in the book are hardware schematics of 8051 family development systems single board and bussed 8051 microcontroller Source code for both the 8086 and 805 family FORTH operating systems is published in the book Binary images of the opeating systems can be generated from teh source code using the metacompiler also contained in the book The book can be seen as a toolbox includingg all the necessary hardware and software information to be used in constructing 8051 based controller systems Design and Implementation of a Parking Gate Controller Using Atmega3289 Microcontroller Pruthviraja Bhupal,2017 The objective of this project is to design a cost effective Parking gate controller for a sliding gate Atmel based microcontroller is used to control the whole operation The parking gate controller system has to auto detect the automobile and open the gate if it is moving out of the parking lot or use a RF remote to open the gate If the automobile is moving inside the parking lot then RF remote is used to control the gate operation An obstacle sensor is used to detect the presence of the obstacles in the way of the gate When the gate is closing from an open position and if there is any obstacle in its way then the obstacle sensor detects it the controller opens the gate The system is designed using Arduino microcontroller embedded system and the design is done using its Integrated Development Environment and embedded C The design presented in this project is flexible for any of the microcontroller family not just restricting it to the Arduino embedded system Easy installation and working procedure are explained in this project Automatic Train Control American Railway Association. Committee on Automatic Train Control,1930

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