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Micromouse

Tags: micromouse,ATmega2560

Xeebee is wireless module works on IEEE 802.15.4. Its replacement for RS232 serial communication

Tags: wireless communication, P89V51RD2

To track a moving target using a robust visual tracking algorithm and shoot the laser mounted on the robot.

Tags: ATmega 2560

2 Lane ACC (Adaptive Cruise Control) with Overtaking using FireBird V P89V51RD2 Robot.

Tags: overtaking,p89v51rd2

Controlling Firebird Robot V 2560 with the help of TV remote control which works on RC5 Coding. The robot can move forward, backward, left, right, and stop.

Tags: TV remote,ATmega2560

Adaptive High Beam Assist using FireBird P89V51RD2. Its automatic switches the light beam of car according to the distance of the target.

Tags: p89v51rd2

Automatic Parking Lot using FireBird V P89V51RD2. Robot searches for empty space for parking. First

Tags: p89v51rd2,parking

This program controls the speed of the motor by the Pulse Width Modulation method. There are 5 PWM

Tags: PWM,Speed Control,p89v51rd2

Position Control using Interrupt on FireBird V P89V51RD2 Robot

Tags: interrupt,p89v51rd2

Implement a self-parking car (here the FIREBIRD robot), which detected if parking is possible in a vaca

Tags: parking,ATmega 2560

The LOGO program will be given to the interpreter on a computer (or laptop). The interpreter has to se

Tags: omnibot,Atmega2560

There are 5 PWM channels available on Firebird V P89V51RD2 Robot. P89V51RD2 microcontroller su

Tags: servo pwm P89V51RD2

Specialized designed drum ball collector which collect balls in basket as well as it also count number of l

Tags: drum ball collector

Specialized designed drum ball collector which collect balls in basket as well as it also count and sort b

Tags: drum ball sorter

The Grid Solving Algorithm is developed using ilabs' PROJECT SHREE BOARD VER 2.1. This algorithm

Tags: Grid Solving Algorithm SHREE BOARD

The objective is to develop a robot to automatically detect and pick objects as per specifications. It will s

Tags: Robotics, Embedded, AVR, Firebird, IIT-Bombay, ERTS Lab, Automation, Automative

The project involves the design and implementation of an engineering solution to the problem of auton

Tags: Robotics, Embedded, AVR, Firebird, IIT-Bombay, ERTS Lab, Automation, Automative

The aim of our project is to build a system which would allow a user to control the motion of a Firebird b

Tags: Robotics, Embedded, AVR, Firebird, IIT-Bombay, ERTS Lab, Automation, Automative

Exploration of an unknown environment searching operations inside buildings, caves, tunnels and mine

Tags: Robotics, Embedded, AVR, Firebird, IIT-Bombay, ERTS Lab, Automation, Automative

The aim of the project is to make the Firebird V robot traverse along arbitrarily shaped curved paths. A l

Tags: Robotics, Embedded, AVR, Firebird, IIT-Bombay, ERTS Lab, Automation, Automative

In our project, we find the optimal path between a source node and a destination node. Edges are links

Tags: Robotics, Embedded, AVR, Firebird, IIT-Bombay, ERTS Lab, Automation, Automative

The aim of the project is to program the firebird to collect tennis balls scattered in a court.

Tags: Robotics, Embedded, AVR, Firebird, IIT-Bombay, ERTS Lab, Automation, Automative

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