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UNIVERSITI TEKNIKAL MALAYSIA



MALYSIAN YOUNG INVENTORS EXHIBITION



سكنيك ملسيا ملاك

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EXHIBITOR

JUDGE



OBJECTIVE

- To design a stand alone timer based water flow meter valve controller
- To introduce the controller for non industrial applications such as household gardening
- To integrate a microcontroller and a fully servo motor in a stand alone system
- To develop a functioning and product that has high potential for commercialization and
- To improve existing water resources with alternative water control, avoid an overflow in the

ADVANTAGE

- Timer based water flow control
- Can be digitally set on any site in a day or hour and minutes
- Automatic stop 15 litres
- USB programmable
- Anti c log in function

NOVELTY

This product is a stand alone timer based water valve controller. It is novel and will be the one that can be use for village area. An offering more than just the function of timer, all power supply will be done.

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SYNCHRONOUS BEARING SYSTEM
A new synchronous bearing system...
The bearing and its shaft...
The bearing and shaft...
The bearing and shaft...
The bearing and shaft...



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HELICOPTER CONTROL SYSTEM

DESIGNER:
AHMAD ANIS MUHAMMAD, AHMAD BIN KRUMER,
AZIM KHALID BIN
AZIM MUHAMMAD, MUHAMMAD BIN MUHAMMAD

ABSTRACT: This project involves a design and implementation of a heli-robot system using a microcontroller (PIC) for controlling and monitoring a helicopter's performance. The heli-robot is a small-scale model of a helicopter that can be controlled via a computer or a mobile phone. The heli-robot is designed to be used for educational purposes, such as learning about the basic principles of flight, control systems, and the use of a microcontroller. The heli-robot is designed to be used for educational purposes, such as learning about the basic principles of flight, control systems, and the use of a microcontroller. The heli-robot is designed to be used for educational purposes, such as learning about the basic principles of flight, control systems, and the use of a microcontroller.

KEYWORDS: Helicopter, Control System, Microcontroller, PIC, Heli-robot.

DESIGN OF THE HELICOPTER

The design of the heli-robot and its control system involves the use of a microcontroller (PIC) to control the motor speed and the direction of the rotor blades. The heli-robot is designed to be used for educational purposes, such as learning about the basic principles of flight, control systems, and the use of a microcontroller.

NOVELTY: The heli-robot is a small-scale model of a helicopter that can be controlled via a computer or a mobile phone. The heli-robot is designed to be used for educational purposes, such as learning about the basic principles of flight, control systems, and the use of a microcontroller.

CONDUCTOR LINE

DESIGNER:
AHMAD ANIS MUHAMMAD,
AHMAD BIN KRUMER,
AZIM KHALID BIN
AZIM MUHAMMAD, MUHAMMAD BIN MUHAMMAD

ABSTRACT: This project involves a design and implementation of a conductor line system using a microcontroller (PIC) for controlling and monitoring the system's performance. The conductor line system is a small-scale model of a conductor line that can be controlled via a computer or a mobile phone. The conductor line system is designed to be used for educational purposes, such as learning about the basic principles of flight, control systems, and the use of a microcontroller.

KEYWORDS: Conductor Line, Control System, Microcontroller, PIC, Conductor Line System.

DESIGN OF THE CONDUCTOR LINE

The design of the conductor line system involves the use of a microcontroller (PIC) to control the motor speed and the direction of the rotor blades. The conductor line system is designed to be used for educational purposes, such as learning about the basic principles of flight, control systems, and the use of a microcontroller.

NOVELTY: The conductor line system is a small-scale model of a conductor line that can be controlled via a computer or a mobile phone. The conductor line system is designed to be used for educational purposes, such as learning about the basic principles of flight, control systems, and the use of a microcontroller.



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OBJECTIVE

- To design a stand alo
- To introduce the cont
- To integrate a micro
- To develop a function
- To integrate existing

ADVANTAGE

- Time-based sensor-free
- Can be digitally set to
- Activates every 12 hou
- USB programmable
- Able to run on batterie

NOVELTY

- This product is a stand
- The user only has to se
- AC power supply and b

CONTACT: Ahmad Z





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Figure 1. Road lay-out programme for the prototype computer programme

ANALYSIS

COMMERCIALISATION POTENTIAL

THE PRODUCT

Year	Revenue
1	1000000
2	2000000
3	3000000
4	4000000
5	5000000
6	6000000
7	7000000
8	8000000
9	9000000
10	10000000



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