LASER SHOOTING GUN TRAINING

AMIRRUN NAIM BIN NASARUDIN
SITI SUHAIRAH BT HUSSAIN
TENGKU NUR SHAHIRA BT TENGKU RAZALI

A project report submitted in partial fulfillment of the requirements for the award of the degree of Diploma of Electrical Engineering (Electronics / Telecommunications / Instrumentations / Computer)

Faculty of Electrical Engineering
UniversitiTeknologi MARA

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"I declare that this report entitled "LASER SHOOTING GUN TRAINING" is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree."

Signature	:.	
Name	:	AMIRRUN NAIM BIN NASARUDIN
Date	:	30/03/2014

Signature	:.	
Name	:	SITI SUHAIRAH BT HUSSAIN
Date	:	30/03/2014

Signature	:.	
Name	:	TENGKU NUR SHAHIRA BT TENGKU RAZALI
Date	:	30/03/2014

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ABSTRACT

Nowadays,shooting game is one of the popular sports in the world especially around Europe. The use of bullets for such game can be dangerous and not suitable for child . Thus, this project is developed to allow user to shoot their target using low intensity laser gun so any laser gun shooter can practice their skill and improved it at home.Base on our research we found that this kind of game also involve in Summer Youth Olympics in Singapore.Futhermore,this game also suitable for any type of age. The system consists of transmitter, which is the laser gun and a few receivers located at the target zone. Light dependent resistor (LDR) is used as the receiver that will sense the laser beam transmitted from the gun. A PIC microcontroller is used to analyze the signal received and display marks depending on the received location on the target zone.The PIC control the process of the receiver system base on our program.The marks varies from 1 to 4 , the greater the target position, the higher the mark would be displayed.Buzzer also is used to alert the shooter that the laser ray already hitting the target.This kind of game can be wether indoor and outdoor games.

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