POLITEKNIK
MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DET
Jabatan *Department*	KEJURUTERAAN ELEKTRIK
Semester/ Tahun *Semester/ Year*	LIMA
Tajuk Projek *Project Title*	SECURITY SYSTEM FOR VEHICLE USING FINGERPRINT, GPS AND GSM
Jenis Projek *Type of Project*	INOVASI
Kategori Kluster Penyelidikan *Category/ research Cluster*	TEKNOLOGI DAN KEJURUTERAAN
Ahli Kumpulan *Group member*	1. NURUL SYAHIRA BINTI ROSLAN 990503-01-6510 2. NURUL NURAKMA NEEZA BINTI IBRAHIM 990724-01-5626 3. 4. 5.
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Penyelia Bersama *Co-Supervisor*	
Abstrak *Abstract*	Nowadays rate of vehicle theft is very high all through the world and the situation are even worse in developing country. Therefore, protection of vehicles with an intelligent, reliable, effective and economical system is very important. This proposed work is an attempt to design an advance vehicle security system that uses Fingerprint to unlock the door. Besides that, GPS and GSM system to prevent theft and to determine the exact location of vehicle. Today theft is happening on the parking or in some insecure place. The safety of the vehicle is exceptionally essential. The advance vehicle security system is designed using Fingerprint, GPS and GSM technology. The system contains GPS module, GSM module, Fingerprint module, Arduino Mega and sensor. GPS system track the

	current location of vehicle, there are two types of tracking used one is online tracking and other is offline tracking. GSM system is also installed in the vehicle for sending the information to the user because GPS system can only receive the vehicle location information from satellites. Fingerprint system is to unlock the door if the data wrong the door will not open
Keyword *Keyword* (max 5 word)	SECURITY
Objektif Projek *Project Objectives*	1. To design a tracking system for vehicle using GPS taking information vehicle and if the car has been stolen the alarm will active and sent the location GPS to the user mobile. 2. To implement only the owner can access the vehicle by using the fingerprint and password to open the door if the fingerprint and the password wrong the door can't be open. 3. To provide a notification security system that can wrap the entire main parts of the vehicle and send messages to the users instantly using GSM.
Skop Projek *Project scope*	1. The focus of this project is to make a security system for the vehicle did not have a security system which is a car form 2006 and below. 2,. The main controller is to detect only the owner can open the door of the car by using fingerprint. 3. This system development a GPS to find the located car that has been stolen within 1km using MAPS. Without the security system the car may be stolen by the people who do not have a job

IP No	
Dapatan *Finding* (*500 words max*)	use fingerprint to unlock door car, gps to find located car has been stolen gsm to sent massage to the owner
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	can improve the security system for vehicle
Gambar berkaitan projek *Picture related to project* (700kb)	
Rating/Level	JABATAN