POLITEKNIK
MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DTK
Jabatan *Department*	KEJURUTERAAN ELEKTRIK
Semester/ Tahun *Semester/ Year*	LIMA
Tajuk Projek *Project Title*	DOOR LOOK WITH FINGERPRINT AND NOTIFICATION
Jenis Projek *Type of Project*	INOVASI
Kategori Kluster Penyelidikan *Category/ research Cluster*	TEKNOLOGI DAN KEJURUTERAAN

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Abstrak *Abstract*	Due to the advancement in science and technology all over world, there is a significant increase the rate of crime and sophistication in crimes; as a result it is necessary to ensure the security of one's self and one's valuable belonging. The main goal of this paper is aimed at creating an electronic security system capable of detecting an intruder and reporting to security personnel. Fingerprint recognition technology allows access to only those whose fingerprints are stored in the memory. Stored fingerprints are retained even in the event of complete power failure or battery drain. These eliminates the need for keeping track of keys or remembering a combination password, or PIN. It can only be opened when an authorized user is present, since there are no keys or combinations to be

	copied or stolen, or locks that can be picked. The fingerprint based lock therefore provides a wonderful solution to conventionally encountered inconveniences. This report focuses on the use of fingerprints to unlock the locks, as opposed to the established method of using keys. The design fulfills the requirements of supporting conventional lock system eliminating the use of ordinary keys shared among occupants.
Keyword *Keyword* (max 5 word)	DOOR LOCK
Objektif Projek *Project Objectives*	1)To lock the door automatically once the door are open or close without forgetting to lock it manually 2)To encourage people to use the key-less door system that coded with high security 3)To make sure there is limitation of user for the house
Skop Projek *Project scope*	This project will concentrate on the fingerprints to unlock the door. The fingerprints will activated the unlocking system and let the user to access the house automatically when they touch their finger. Only user who registered their ID in the system will unlock the door. The activities logs will show up at the Blynk application and will available at the smartphone. This project will involve the software and hardware implementation.

IP No	
Dapatan *Finding* (*500 words max*)	Innovation from the past semester and google
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	Add keypad to enter password, add sensor motion with buzzer that detect more than one user that enter through the door
Gambar berkaitan projek *Picture related to project* (700kb)	

Rating/Level	JABATAN	

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Borang ini perlu diisi oleh pelajar dan dihantar kepada penyelia/ penyelaras projek dalam bentuk hardcopy dan softcopy (borang LAMPIRAN J) dan gambar hasil projek dalam format jpeg/bitmap) bersama laporan akhir dan hasil projek.