POLITEKNIK MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION
Program Program	DEP
Jabatan Department	KEJURUTERAAN ELEKTRIK
Semester/ Tahun Semester/ Year	LIMA
Tajuk Projek Project Title	VOICE RECOGNIZATION BASED WIRELESS HOME AUTOMATION
Jenis Projek Type of Project	INOVASI
Kategori Kluster Penyelidikan Category/ research Cluster	TEKNOLOGI DAN KEJURUTERAAN
Ahli Kumpulan Group member	1. MAHENDRAN A/L MURUGAN 990905105815 2. AHMAD DANIEL YUSRY BIN MOHD NORSHAH 990326105095 3. 4. 5.
Penyelia Supervisor	PUAN AZLILAWATI BINTI ABU BAKAR 720711015598
Penyelia Bersama Co-Supervisor	
Abstrak Abstract	The focus of this project is to implement a system that can control and monitor the appliance in the residence with wirelessly through the internet network connection by using a smartphone or a computer. The problem statement such as forget to switch off the home appliances is happened oftenly. Moreover, for some of disable person that just sitting on the wheelchair, this will make them difficult to switch on or off the appliances on the wall due to the fact of the height to be reach. The objective of the project is to ease the user to perform the appliances switching by wirelessly. This system can be connected to the internet connection by using an electronic component that is the Nodemcu. In this project also, the Nodemcu will be analyze with two parameter. For the first parameter is to

	determine the speed of the internet connection versus time taken to perform a successfully switching process. The second analyze parameter is to analyze the range of the internet source with the Nodemcu. The analysis is to determine how long of range the Nodemcu connected with the source. At the end, the system in this project is working successfully as stated in the objective of the project. The switching process of the home appliances can be done with wirelessly only by using smartphone or a computer.
Keyword *Keyword* (max 5 word)	SAMRT HOME CONTOROLLER
Objektif Projek *Project Objectives*	i. Product remote control switch using WIFI signal as transmission medium ii. Manually it takes a long time to turn on and off the switch
Skop Projek *Project scope*	• This would be easy if a home automation system by WIFI has remote control and various directions in controlling electrical equipment.Manual switching is also a bit behind. • Remote control switch project using this WIFI is to solve the problem of remote control usage and provide the user with more flexibility in controlling the electrical equipment and also helping to overcome the weakness of existing products in the market.

IP No	
Dapatan *Finding* (*500 words max*)	WE HAVE CREATE A APPLICATION FOR CONTROL MY HOME AUTOMATION PROJECT AND WE ALSO HAVE BUILD A CODING FOR ESP8266 THAT WE HAVE USED TO TRANSMIT DATA TO OUR RELAY USING ARDUINO IDE SOFTWARE.
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	Our suggestion for future work, we will enhance our project by straight notify the fire station if fire occur supervised by the MIT application.
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.