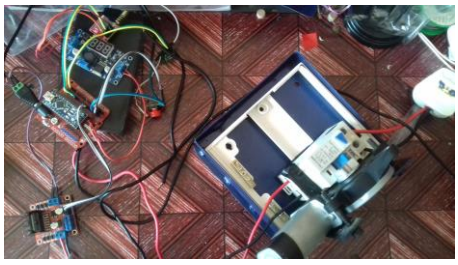
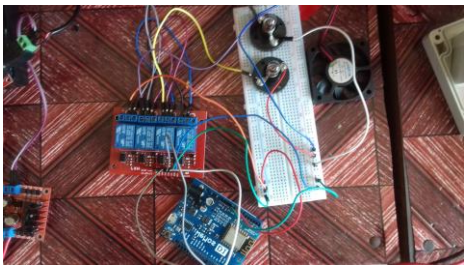
LAMPIRAN J

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	**DIPLOMA KEJURUTERAAN ELEKTRONIK KOMPUTER (DTK)**
Jabatan *Department*	**JABATAN KEJURUTERAAN ELEKTRIK**
Semester/ Tahun *Semester/ Year*	**5**
Tajuk Projek *Project Title*	**IOT HOME AUTOMATION WITH SELF ON MAIN SWITCH**
Jenis Projek *Type of Project*	
Kategori Kluster Penyelidikan *Category/ research Cluster*	Tanda " / " pada yang berkenaan: *Please tick " / " where applicable:* / Teknologi dan kejuruteraan (*Technology and Engineering*)
Ahli Kumpulan *Group member*	1. Name: THINESHKUMARAN ANANTHAN No. Identification card: 980114-38-5073 2. Name: SAKTISSWARAN MANOKARAN No. Identification card: 980812-04-5797
Penyelia *Supervisor*	Name: PUAN NORAIHAN BINTI ISA No. Identification card: 730820-09-5313
Abstrak *Abstract*	Home automation is building automation for a home, called a smart home or smart house. A home automation system will control lighting, climate, entertainment systems, and appliances. It may also include home security such as access control and alarm systems. When connected with the Internet, home devices are able to control using smartphones. There is a great energy crisis in current situation of our country. People have become negligent in proper utilization of the available energy. People often forget to turn off the light sources and other home appliance while staying away from home. Even in those situation, application of home automation makes it possible to control them from distant place in easy way with our smartphone. The main objectives of our project are to remotely control home appliances and monitor them while away from house. The second objective is to switch "ON" the main switch after power trip. Lastly to save time and utilize the energy efficiently. This project to is mainly for the user to control home appliance while away from house. This project also can switch on again the main switch which has been tripped due to the natural disaster or short circuit. So for a good purpose we have been working on this project very hardly.

	Sains tulen (*Pure Science*)
	Sains gunaan (*Applied Science*)
/	Teknologi dan kejuruteraan (*Technology and Engineering*)
	Sains kesihatan dan klinikal (*Clinical and Health Sciences*)
	Sains sosial (*Social Sciences*)
	Sastera dan sastera ikhtisas (*Arts and Applied Arts*)
	Warisan alam dan budaya (*Natural Sciences and National Heritage*)
	Teknologi maklumat dan komunikasi (*Information and Communication Technology*)

Keyword *Keyword* (max 5 word)	
Objektif Projek *Project Objectives*	• To remotely control home appliances and monitor them while away from house. • To switch "ON" the main switch after power trip.
Skop Projek *Project scope*	The scope of our project are to control home automation while away from home and to prevent power trips
IP No	NIL
Dapatan *Finding* (*500 words max*)	The finding is to tell briefly about components used in IOT Home Automation with Self ON Main Switch, the concept and the functions of automation for the implementation of this project. We are more aware about the details of the component used in the project. We are able to know that what is actual use of those components before and how to converted it according to our project which is IOT Home Automation with Self ON with Main Switch.
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	There are some improvements need to be done to get a more attractive and compact design:- 1. There should be a smaller in size of power window to switch on the main switch so it would look compact.
Gambar berkaitan projek *Picture related to project* (700kb)	 *Figure 1*  *Figure 2*
Rating/Level	Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa *Departments / Institutes / National / International*

***** *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.*