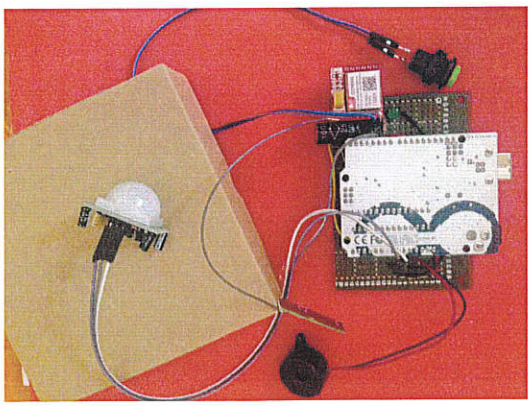
LAMPIRAN J

POLITEKNIK MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DET 5A
Jabatan *Department*	Jabatan Kejuruteraa Elektrik
Semester/ Tahun *Semester/ Year*	5
Tajuk Projek *Project Title*	Security Motion Sensor with Android
Jenis Projek *Type of Project*	System Security
Kategori Kluster Penyelidikan *Category/ research Cluster*	Tanda " / " pada yang berkenaan: *Please tick " / " where applicable:* ☐ 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*)
Ahli Kumpulan *Group member*	1. Name:Nur Azwaa binti Bidin No. Identification card:14det15f1070 2. Name:Nor Faziera binti Chainoren No. Identification card:14det15f1091
Penyelia *Supervisor*	Name:EN. Nazri bin Darlu No. Identification card:
Penyelia Bersama *Co-Supervisor*	1. Name: No. Identification card:
Abstrak *Abstract*	In Malaysia, almost everyday we read about burglary cases reported in local newspaper. These cases have been one of the most serious problems that happen in our country, Malaysia. Not like in the past, burglary nowadays are to aggressive and brutal. Number of burglary cases increase as many people tend to get easy money to support their live expenses. To overcome this problem, people must do something to their houses. Based on the situation above, security system is one of the popular way to guard our houses. We produce Security Motion Sensor with Android to reduce problems that occur such as theft or the intrusion of the house. We used Arduino Uno as guard. Beside, GSM system will generate with send the short message service (SMS) to the owner. Motion sensor as a main of component to develop this project as a input. The output is GSM and Buzzer. The result of this project is useful to be implemented in home and industrial to help in the risk of the theft, intrusion and burglary, furthermore to avoid the losses that need to be borne by the victims.

Keyword *Keyword* (max 5 word)	MAKE LIVES MORE VERSATILE
Objektif Projek *Project Objectives*	1. To bring out smart and comfortable living condition and make lives more versatile. 2. Human motion can be detected. 3. Notify if robber enter where they're not supposed to be.
Skop Projek *Project scope*	The scope or limit of project implementation should be made as a reference to ensure that every project implementation is not exclude from the objectives to be achieved. The motion detection system used the motion detector sensor. Range of PIR motion is 6 feet in 360. Then the signal will trigger to Arduino and GSM modem will sent the output (SMS) at range of 30km an above or unlimited, where buzzer will take out sound.
IP No	
Dapatan *Finding* (*500 words max*)	Motion detection devices, such as motion detectors, have sensors that detect movements and send a signal to a sound device that produced an alarm or switch on a SMS notification devices. These are motion detector which employ Arduino connected to a GSM modem which stores and manages to be sent to message.
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	The future implications of the project are very great considering the amount of time and resources it saves. The project we have undertaken can be used as a reference or as a base for realizing a scheme to be implemented in other projects of greater level such as weather forecasting, temperature updates, device synchronization, etc. The project itself can be modified to achieve a complete Home security System which will then create a platform for the user to interface between himself and his household
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.*