LAMPIRAN J

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DET 5B
Jabatan *Department*	JABATAN KEJURUTERAAN ELEKTRIK
Semester/ Tahun *Semester/ Year*	5/2018
Tajuk Projek *Project Title*	SENSOR FAN CONTROLLING TEMPERATURE
Jenis Projek *Type of Project*	INOVASI
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: MUHAMMAD FAIZ AKMAL BIN MASTOR No. Identification card: 980828-01-6579 2. Name: MUHAMMAD AL-FATIH BIN SALLEHUDDIN No. Identification card: 941116-01-6659
Penyelia *Supervisor*	Name: PUAN HARYANI BINTI HASSAN No. Identification card: 730804-12-5496
Penyelia Bersama *Co-Supervisor*	1. Name: No. Identification card:
Abstrak *Abstract*	" Sensor Fan Controlling Temperature " is design to control the temperature in room or any place by using temperature sensor , PIR sensor , arduino UNO and relay. This idea come after I do my research about the problem faced by most of students of Politeknik. Main purpose of this project is to control the temperature automatically. The " Sensor Fan Controlling Temperature " can change the speed of fan.The speed of fan will become higher speed when the temperature was 36℃ to 100℃ and become to the lowest speed when the temperature was 20℃ to 28℃. The fan will automatically stop when the temperature was 20℃ and below or when there is no action in the room. This project will help most of the people that inconvenient to change the speed of fan manually when the temperature was change.
Keyword *Keyword* (max 5 word)	Fan , Sensor , Control Temperature

Objektif Projek *Project Objectives*	- Each project that you want to produce should have the objective of the study so that the designed project is safe and useful for the user. The main objectives are: - Enable the fan to automatically change the speed according temperature level. - Develop an automatic fan system that can change the speed due the environment temperature change - Enable to preview the temperature
Skop Projek *Project scope*	- I make an analysis of the design capabilities that will be made through several studies to ensure the effectiveness of design. - Conducted a number of questionnaires on students who lives in Taman MU. - Design projects that are relevant to the concepts expressed through sketches.
IP No	nil
Dapatan *Finding* (*500 words max*)	● This project has work properly and very suitable for classroom ● The finding show the cost and the maintenance is low
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	Our suggestion that need to improve this project is change the PIR sensor to Ultrasonic sensor.

<table>
<tr><td>Gambar berkaitan projek

Picture related to project (700kb)</td><td> 

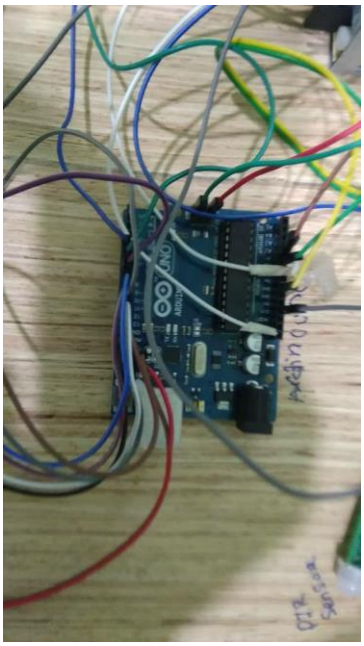
Figure 1</td><td> 

Figure 2</td></tr>
<tr><td>Rating/Level</td><td colspan="2">Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa
Departments / Institutes / National / International</td></tr>
<tr><td></td><td colspan="2"></td></tr>
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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.*