



BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DEP																
Jabatan <i>Department</i>	Kejuruteraan Elektrik																
Semester/ Tahun <i>Semester/ Year</i>	SEM 5 JUN 2018																
Tajuk Projek <i>Project Title</i>	Smartphone Control Appliance Home																
Jenis Projek <i>Type of Project</i>	Internet Of Thinking (IOT)																
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	<p>Tanda “ / ” pada yang berkenaan: <i>Please tick “ / ” where applicable:</i></p> <table border="1"> <tbody> <tr><td><input type="checkbox"/></td><td>Sains tulen (<i>Pure Science</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Sains gunaan (<i>Applied Science</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Sains sosial (<i>Social Sciences</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>/ Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)</td></tr> </tbody> </table>	<input type="checkbox"/>	Sains tulen (<i>Pure Science</i>)	<input type="checkbox"/>	Sains gunaan (<i>Applied Science</i>)	<input type="checkbox"/>	Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)	<input type="checkbox"/>	Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)	<input type="checkbox"/>	Sains sosial (<i>Social Sciences</i>)	<input type="checkbox"/>	Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)	<input type="checkbox"/>	Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)	<input type="checkbox"/>	/ Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)
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Ahli Kumpulan <i>Group member</i>	1. Name:Muhammad Zulhilmi Bin Mohd Fauzi No. Identification card:980511016829 2. Name:Muhamad Zuhairi Bin Hamdan No. Identification card:980320017255 3. Name:Afiq Fahmie Bin Nordin No. Identification card:981122016053																
Penyelia <i>Supervisor</i>	Name:Puan Rodzah Binti Hj Yahya No. Identification card:																
Penyelia Bersama <i>Co-Supervisor</i>	-																
Abstrak <i>Abstract</i>	<p>Our project is about developing an easier way to save our electricity at home. In this modern era, manual control is not effective anymore. In this paper, we purposed an advance control system using wirelss control based on internet to manage our appliances at home easily. Based on that,we design a system with the implementation of related software and hardware. People can use smartphone or tablet to control appliances at home both manually and remotely. Once all the appliance are implanted with our project, we can control our appliances at home anytime and anywhere as long as our devices are connected to the internet.</p>																

Keyword <i>Keyword</i> (max 5 word)	
Objektif Projek <i>Project Objectives</i>	<ul style="list-style-type: none"> • To create an alternative method for those who is careless to switch off their electrical appliances that will cause wasting money . They are many home wireless based devices for controlling processes , but they are more expensive . • To provide an easier way to switch off electrical appliances . So we are using all the basic components that are used in our daily life like cell phones , sim card , WIFI which make our project cheaper and very simple . • We can create an application that using smartphone and communicate through Bluetooth for create a remote controller to control electrical appliances athome . We can being easy to bring the switch just in a pocket .
Skop Projek <i>Project scope</i>	<ul style="list-style-type: none"> • Smartphone application in this project will focus on android operation system . It is because android OS is one of reason the large smartphone usage in market and the important reason is android OS is open source . • The home appliances can be controlled accessed via WIFI . Encode the program to the adruino and transfer to smartphone . So , use WIFI for the connections . • This app will connect with Bluetooth . The signal will transmits through Bluetooth transmission medium . In order to let hardware able to communicate through Bluetooth , it must have connections between adruino and smartphone . Bluetooth is used to process the signal from smartphone and send to the home appliances that want to control through WIFI.
IP No	
Dapatan <i>Finding</i> (500 words max)	<p>First of all, we need to create an alternative method for those who is careless to switch off their electrical appliances that will cause wasting money . They are many home wireless based devices for controlling processes , but they are more expensive .</p> <p>Next, we must provide an easier way to switch off electrical appliances . So we are using all the basic components that are used in our daily life like cell phones , sim card , WIFI which make our project cheaper and very simple .</p> <p>Furthermore, we can create an application that using smartphone and communicate through wifi for create a remote controller to control electrical appliances athome . We can being easy to bring the switch just in a pocket.</p> <p>Other than that, these features increase the home's interconnectedness, represent the Internet of Things, meaning that more data is sent, received and captured from an operating household.</p>

<p>Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work (500words)</i></p>	<ul style="list-style-type: none"> • Can build in small size for the switch . • Can easily to connect with your devices . • Be more easy carry the switch to everywhere . 	
<p>Gambar berkaitan projek <i>Picture related to project (700kb)</i></p>	 <p style="text-align: center;"><i>Figure 1</i></p>	 <p style="text-align: center;"><i>Figure 2</i></p>
<p>Rating/Level</p>	<p>Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa <i>Departments / Institutes / National / International</i></p>	

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

