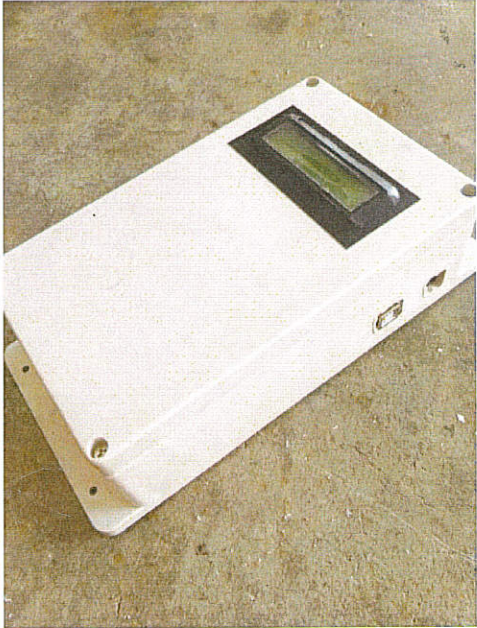
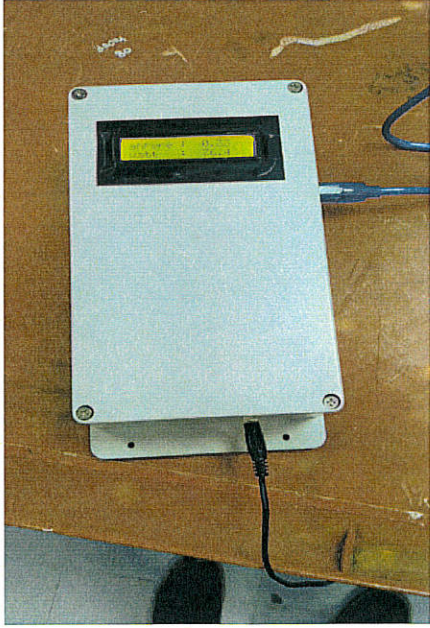


BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DET 5C																
Jabatan <i>Department</i>	JABATAN KEJURUTERAAN ELEKTRIK																
Semester/ Tahun <i>Semester/ Year</i>	SEMESTER 5 / 2017																
Tajuk Projek <i>Project Title</i>	MOBILE ENERGY MONITOR																
Jenis Projek <i>Type of Project</i>	HARDWARE AND SOFTWARE																
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	<p>Tanda “ / ” pada yang berkenaan: <i>Please tick “ / ” where applicable:</i></p> <table border="1"> <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> </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 FIRDAUS BIN SUDIRMAN No. Identification card:14DET15F1036 2. Name: NURUL IZZAH ATIRAH BINTI ZONKISLI No. Identification card:14DET15F1033 3. Name: AHMAD ZARRIN BIN RAMLEE No. Identification card:14DET15F1042																
Penyelia <i>Supervisor</i>	Name: DR. KAMARUDIN BIN MD TAHIR																
Penyelia Bersama <i>Co-Supervisor</i>	Name: PUAN MAIZUN BINTI JAMIL																
Abstrak <i>Abstract</i>	<p>This project has been applied from METER KW / J which has been improved with a more efficient and easy-to-read electric meter system through the LCD display entitled MOBILE ENERGY MONITOR (MEM). This project will enable the people to control the use of electricity from time to time by using a warning system as well as a short messaging service known as SMS, transmitted through GSM when the reading exceeds the programmed value. This project uses an ARDUINO microprocessor that is programmed to receive different input signals of current flow through the use of sensing called CURRENT TRANSFORMER SENSOR (CT SENSOR) which is enclosed in live wires on electrical distribution boards. After the micro controller receives the signal from the sensor, it will display WATTAGE (W) and AMPERE (A) readings to the LCD screen. The connection of the sensor is interconnected in the circuit of the controller</p>																

Keyword <i>Keyword</i> (max 5 word)	MEM
Objektif Projek <i>Project Objectives</i>	<ol style="list-style-type: none"> 1. can set usage limits 2. Receive text message from GSM when overuse. 3. To warn through audio and visuals
Skop Projek <i>Project scope</i>	<ol style="list-style-type: none"> 1. Only use the Android system and Ios. 2. Only one Sim Card. This Sim Card is used to sent a message from GSM. 3. Only can detect on live wire. 4. Message delivery limit
IP No	
Dapatan <i>Finding</i> (500 words max)	<p>While most of us cannot manage without things like vacuum cleaners and washing machines, there's still room to save energy by buying the most efficient tools we find. Many countries now have eco-labelling schemes that force producers to show how efficient their products are. with this equipment, it allows us to control the use of electricity in the day. In Europe, the appliance has now been widely evaluated.</p> <p>To make the most likely difference to your energy bill, it is important to focus on the most energy-consuming equipment, such as dryers drying clothes. Get into the habit of drying your clothes outdoors and you'll make great savings. Dishwasher and laundry detergent also consume a lot of energy to see if you can run it in a shorter cycle or low temperature program.</p>
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	<p>The proposal for future work is that this energy monitor may use more than one sensor. it will also be an application to evaluate the rate of electricity consumption in a day. anytime we get to know if the electricity usage is excessive and it may cost us anything that is used daily, weekly or monthly. Provide employees with energy saving tips for their home and give them an electricity monitor for them to use on their large appliances make saving energy a habit they get into at home as well as at work.</p>

<p>Gambar berkaitan projek</p> <p><i>Picture related to project (700kb)</i></p>	 <p><i>Figure 1</i></p>	 <p><i>Figure 2</i></p>
<p>Rating/Level</p>	<p>Jabatan <i>Departments</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.