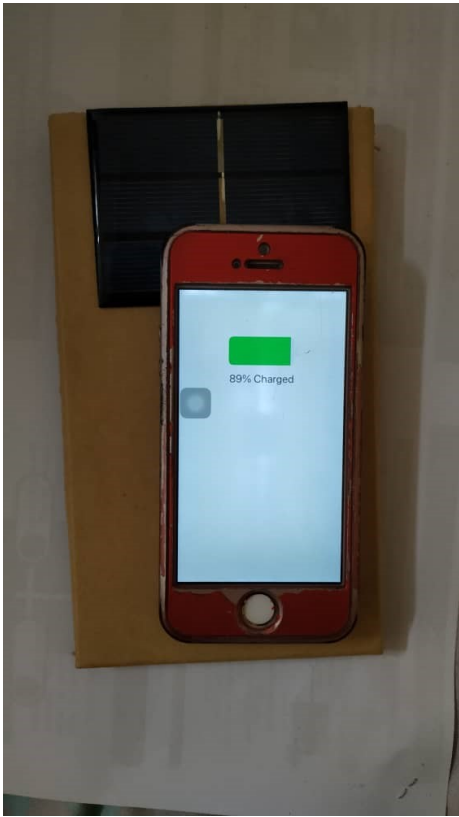



BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	Diploma Kejuruteraan Elektronik (Komputer)																
Jabatan <i>Department</i>	Jabatan Kejuruteraan Elektrik																
Semester/ Tahun <i>Semester/ Year</i>	5																
Tajuk Projek <i>Project Title</i>	Multisource Power Bank with Wireless Charging																
Jenis Projek <i>Type of Project</i>	Hardware																
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 iktisas (<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 iktisas (<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: Mohamad Azwan Bin Sohaimi No. Identification card: 981017-04-5493 2. Name: Ahmad Muhaimin Bin Zulkifle No. Identification card: 980312-06-5871																
Penyelia <i>Supervisor</i>	Name: Noraihan Bt Isa No. Identification card: 810424-06-5268																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	<p>This project is to improve power bank which will make us easier to charge phone. A power bank is a portable device that can supply power from its built-in batteries through a USB port. They usually recharge with USB power supply. Technically, a power bank consists of rechargeable Lithium-ion or Lithium-Polymer batteries installed in a protective casing, guided by a printed circuit board (PCB) which provides various protective and safety measures. Due to its general purpose, power banks are also gaining popularity as a branding and promotional tool. Different brands and promotional companies use it as a promotional tool and provide a customized product. Multisource power bank with wireless charging was created to provide backup power for smartphones from multiple energy sources and also supports wireless charging for all type of phones. Normal power bank needs to be recharge with power socket. Multisource power bank can use solar energy to charge phones.</p>																
Keyword <i>Keyword</i> (max 5 word)	Power Bank, Wireless Charging																

Objektif Projek <i>Project Objectives</i>	<ol style="list-style-type: none"> 1. Power bank that can be charge using other sources of energy. 2. To charge smartphone without USB cable. 	
Skop Projek <i>Project scope</i>	<ol style="list-style-type: none"> 1. Wireless charging can be used on all types of smartphone. 2. This project can be applied to all types of smartphone. 	
IP No		
Dapatan <i>Finding</i> (500 words max)	<ul style="list-style-type: none"> • Wireless charging: No need to mess with tangling charger cable as it doesn't use USB cable to charge. • Solar power: Can charge anywhere and anytime during sunny day. 	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	<p>There are some improvements can be done to make a better power bank:</p> <ol style="list-style-type: none"> 1. Add another wireless charging to charge two phones wirelessly at the same time. 2. Use bigger battery capacity to hold charge longer. 	
Gambar berkaitan projek <i>Picture related to project</i> (700kb)	 <p style="text-align: center;"><i>Figure 1</i></p>	 <p style="text-align: center;"><i>Figure 2: Modified power bank to support wireless charging</i></p>
Rating/Level	Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa <i>Departments / Institutes / National / International</i>	

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

