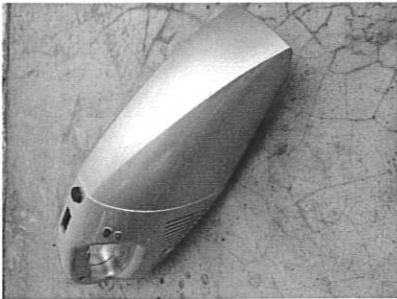


BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DET5C																
Jabatan <i>Department</i>	JKE																
Semester/Tahun <i>Semester/Year</i>	SEMESTER 5 / SESI JUNE 2017																
Tajuk Projek <i>Project Title</i>	PORTABLE VACUUM CLEANER																
Jenis Projek <i>Type of Project</i>	USE FOR CLEANING																
KategoriKluster 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)
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AhliKumpulan <i>Group member</i>	1. Name: MEOR MUHAMMAD ZAID HARIZ BIN MEOR ASMAWI No. Identification card: 14DET15F1057 2. Name: MUHAMMAD RAZZANI BIN ABD RAHMAT No. Identification card: 14DET15F1051 3. Name: NURUL ANIS BINTI RAHIM No. Identification card: 14DET15F1048																
Penyelia <i>Supervisor</i>	Name: PUAN NABILAH BINTI MAZALAN No. Identification card:																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	<p>The concept of "Portable Vacuum Cleaner" is the title of the project we choose. We chose this project because we found it can be innovated. The project we are developing is applying the existing power control system in the domestic dust suppliers into this project with a smaller scope. We found that the portable vacuum cleaner in the market has no control of power and its power has been fixed and cannot be changed. Our goal is to make this project a saving of electricity and easy to carry anywhere. This project is accomplished by setting which controller to control the speed of the motto. This project is recommended for use in a small place as in the car. This shows that this project successfully combines the power control system into this portable vacuum cleaner at affordable prices, easy to use and easy to carry.</p>																

Keyword <i>Keyword</i>	Cleaning
Objektif Projek <i>Project Objectives</i>	<ul style="list-style-type: none"> ◆ To save electricity because the power can be adjusted. ◆ The power of the suction can be adjust to slow, medium and high speed. ◆ To get the product of vacuum cleaner that is low cost and affordable
Skop Projek <i>Project scope</i>	<p>This Portable Vacuum Cleaner using Timer 55 with Controller can be used at the small place and limited space as example in the car. This product distance can reached about 2-3 meters. This product will only use power supply.</p> <p>Hardware design.</p> <p>Portable Vacuum Cleaner concept are using simple body of the portable vacuum cleaner, the circuit of the controller and power supply.</p> <p>Software design.</p> <p>Portable Vacuum Cleaner not using any software design.</p>
IP No	
Dapatan <i>Finding</i>	The portable vacuum cleaner using Timer 555 has be done. The output of this portable vacuum cleaner is come from the motor that we combine with the controller circuit. The Timer 555 using to control the circuit. . We get the input from the 12v socket.
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i>	The Portable Vacuum Cleaner in future maybe using 2 output that is using power supplies and batteries. The batteries that want to use is rechargeable battery. We maybe rearranging the container of the dust storage. We also want to put the sensor if the dust if full. The disadvantage of this product is the power of suction is not enough. We want to upgrade the power of the suction and make this portable vacuum cleaner easy to carry anywhere

<p>Gambar berkaitan projek</p> <p><i>Picture related to project</i></p>	 <p><i>Figure 1</i></p>	<p><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/penyelaras projek dalam bentuk hardcopy dan softcopy (borang LAMPIRANJ dan gambar hasil projek dalam format jpeg/bitmap) bersama laporan akhir dan hasil projek.*