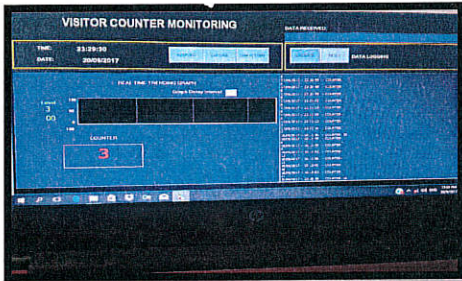
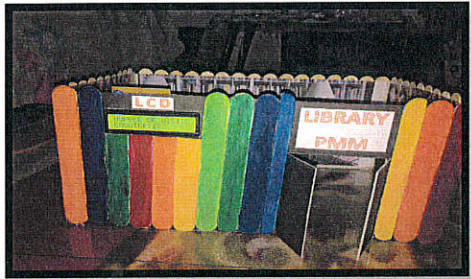


BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DEP5A																
Jabatan <i>Department</i>	JKE																
Semester/ Tahun <i>Semester/ Year</i>	SEMESTER 5																
Tajuk Projek <i>Project Title</i>	Automatic Library Counter System Using Arduino Technology																
Jenis Projek <i>Type of Project</i>																	
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 iktisias (<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 iktisias (<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:Muhamad Hanaffi Bin Tomirin No. Identification card:960309-01-5373 2. Name:Ahmad Mustapha Bin Muhamad No. Identification card:951124-04-5555 3. Name:Syaheira Binti Siam No. Identification card:960518-01-6428																
Penyelia <i>Supervisor</i>	Name:Pn. Hj Normah Binti Jantan No. Identification card:650505-01-5668																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name:Pn. Nurul Najwa Binti Md Yusof No. Identification card:																

<p>Abstrak <i>Abstract</i></p>	<p>There are so many people use library in one time. It hard to know how many people use the library. The library use manual method to count the number of students who entered the library. The library is also need information of reading material by survey done to the student. Number of students using library can effect quality system provided by library. So we do a project to help library know how many people enter the library and can store the information in database in computer.</p> <p>It can solve problem faced by the library and help the management overcome the problem encountered. The project we want to produced needed a few factor that should be taken consideration until that project implemented. To get a quality project we need to know type of material, design, component that we used installation method and maintenance , product safety, structural strength, project size and so on. This to make sure no problem happen when completing this project.</p>
<p>Keyword <i>Keyword</i> (max 5 word)</p>	<p>Automatic Library Counter System</p>
<p>Objektif Projek <i>Project Objectives</i></p>	<ol style="list-style-type: none"> 1) To find out the number of students who entered the library. 2) To create data base of user library for management. 3) Management of library can have many program to attract student to use library facility.
<p>Skop Projek <i>Project scope</i></p>	<p>The scope of this study we use 5v for projects using arduino. This project we also use the LCD to display the number of students who entered the library and all information on the number will continue to be entered into the computer system to facilitate the management to find out the number of students in day and month.</p>

IP No		
Dapatan <i>Finding</i> (500 words max)	<p>The project is to solve the problems faced by the library to find out the number of students who enter the library by using the data base. Thus it can collect information through the system that we have programmed in this project. in this help management to overcome the problems encountered. We expect this project can help solving problem being faced by the library.</p>	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	<p>Based on our previous research, we found that, our project is based from parking guidance system. The parking guidance system can make the user find parking easily in shopping complex. The parking Guidance System (PGS) is an effective way to figure out the problem and help driver to find the parking space quickly.</p> <p>Ultrasonic sensor and extended bay indicator are install to each parking space to detect/indicate presence of vehicle; the information is picked up by Data collector. Processed by center processor. And then released to LED display, By tell driver availability information before they entry to the parking lots.</p> <p>The system can be customized to meet different Parking Guidance System is one of the most modern and profitable systems around the world. It is suitable for public indoor parking lots in office buildings, shopping malls, railway stations, airports and hotels. It pinpoints vacant parking spaces and guide motorist to the nearest space in shortest time.</p>	
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</i></p>
Rating/Level	Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa <i>Departments / Institutes / National / International</i>	

* 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.