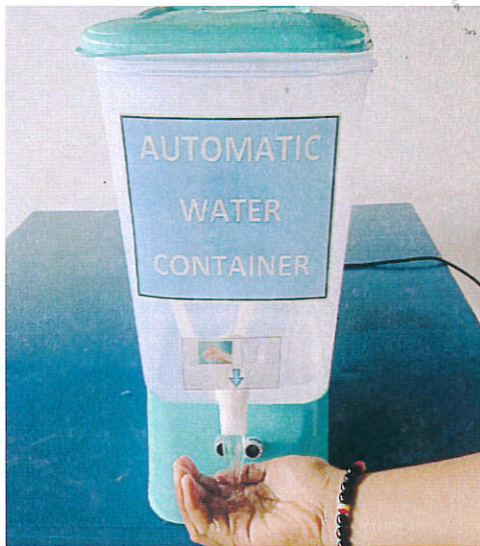



BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DEP5B																
Jabatan <i>Department</i>	Electronic Engineering (Communication)																
Semester/ Tahun <i>Semester/ Year</i>	Sem 5																
Tajuk Projek <i>Project Title</i>	Automatic Multiple Water Container																
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 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 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 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 Hazeeq bin Roslee No. Identification card: 14dep15f1044 2. Name: Chithra A/P Govindasamy No. Identification card: 14dep15f1048 3. Name: Nurul Syafiqah binti Salleh Hudin No. Identification card: 14dep15f1030																
Penyelia <i>Supervisor</i>	Name: Encik Nazid bin Sarji No. Identification card:																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	<p>In Malaysia country, there has many nation, culture and religion. Malaysia has Malay, Chinese, Indian and anymore. Each nation has make a ceremony or event in house, hall, hotel or anywhere. In event, it has many problems for serving food especially when the water container is broken or destroyed and it make difficult to maintained it is also make more cost to buy a new water container.</p> <p>In this project, it's would be help in easy maintained, portable, light of weight and anymore. it's also to prevent the leakage of water than an usual water container. When the cup are closer to ultrasonic sensor around one to five centimetre, the ultrasonic sensor will sensor the signal to the Arduino and send it to relay module to amplify from 2v to 5v. Then, the signal are sent it to 12volt form power supply and through the water pump. Water will suck up to</p>																

	<p>the nozzle. When the cup is away from ultrasonic sensor, the water pump and system will stop instantly.</p> <p>This project are used to help the older person like grandmother and grandfather to use it easy without use any energy. It is also help to the early children around one to six years old that they cannot reach the nozzle to pull up for the water. Furthermore, this project also helps the worker to easily maintaining this item and easily to carry.</p>
Keyword <i>Keyword</i> (max 5 word)	Automatic Water Container
Objektif Projek <i>Project Objectives</i>	<p>a) Design the auto filling water system with ultrasonic sensor so that everyone can operate it with ease and no instructions are required.</p> <p>b) Develop a program which is low cost that can fill water into the bottle or container with accurately scale with set by the user.</p> <p>c) Design a system to minimize the water wastage.</p> <p>d) Develop a user friendly system by using a ultrasonic sensor as the controller so that everyone can operate it with ease and no instructions are required.</p>
Skop Projek <i>Project scope</i>	<p>a) Ultrasonic sensor</p> <p>b) Plastic water container</p> <p>c) 5V and 12V power supply</p> <p>d) Arduino Uno</p>
IP No	
Dapatan <i>Finding</i> (500 words max)	<p>-A simple water container has been designed and constructed in order to fill the bottle/cups and wash hands at the same time.</p> <p>- This preliminary study indicates that the ultrasonic sensor releases an ultrasonic wave to measure the distance between the water level and the sensor.</p> <p>-The water level can be adjusted by the container and the bottles/cups will be filled up to that volume.</p> <p>-The main advantage of this project is that we can fill the bottles/cups with exact volume which is needed easily and also can wash our hands at once.</p> <p>- This project make our work easy and simple and also it is very comfortable to use.</p>
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	<p>Based on the weaknesses and shortcomings of this project, some improvements need to be taken into account to ensure the project is always at a high level. First of all, we can add up another ultrasonic sensor for control the water level in the container automatically. So, whenever the water in container decreases, it will fill up automatically. This make our work more easier and simple too.</p> <p>Furthermore, as a suggestion for this project we can add varieties of drinks such as Coke,Oren,Mirinda and so on. This will attracts more people so that they can choose their favourite drinks. Moreover, we can add a touch screen on the water container so that the users can choose their drinks according to their</p>

	wish. For an example, the users can select their drinks by touch and select the drinks in the water container.	
<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>
Rating/Level	<u>Jabatan/</u> Politeknik/ Kebangsaan/ Antarabangsa <u>Departments</u> / Institutes / National / International	

* 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.