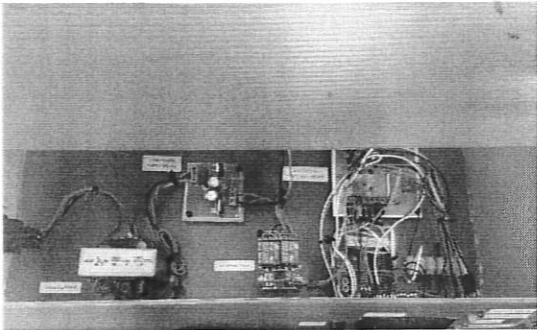



BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DTK 7A																
Jabatan <i>Department</i>	JKE																
Semester/ Tahun <i>Semester/ Year</i>	SEMESTER 7																
Tajuk Projek <i>Project Title</i>	WATER LEVEL CONTROLLER MODAL USING ARDUINO																
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 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> </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: SYAFIQ BIN MOHD YASIN No. Identification card: 960426-04-5213 2. Name: THAYALAN A/L CHANDRAN No. Identification card: 960221-08-5545																
Penyelia <i>Supervisor</i>	Name: MR. MOHD SHUKOR BIN AMIN No. Identification card: 741210-01-6309																
Penyelia Bersama Co- <i>Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	<p>In this modern world, with the advancement of new technologies it makes people life easier and comfortable. There are many new technologies are been developed days by days. By researching our project, our group have found Water Level Controller normally used in many homes and other public places, ground water is used, which is pumped up to overhead tanks using water pumps which are controlled by electric motors. From this research our group have come to a decision to build a Water Level Controller sensor for a dam system to prevent some natural disaster. In our project, we have provide 5 types of warning system such as dry, warning dry, normal, danger warning and flood hazard. However, our group create simple water level sensor to control river water from problems of flooding. Moreover, with our new water level sensor easily control a dam system by automatically without human energy. The system is realized using Arduino, which is programmed to control all the operated circuit. Dam system now days existing water control system using manual method our group have discuss to</p>																

	invent water level control automatically. Furthermore, there is some benefit of our water level sensor to prevent some of the natural disasters that occur in this country. Lastly, with this ideas our group have successfully conduct this project.
Keyword <i>Keyword</i> (max 5 word)	WATER LEVEL SENSOR & CONTROL, ARDUINO
Objektif <i>Projek Project Objectives</i>	<ol style="list-style-type: none"> 1. Water control system designs operate automatically and productively. 2. Build a water level controller system that provides user with the latest status of water level through LCD Board, Buzzer and LED Lights. 3. Design and develop water control system that will automatically discharge water to avoid floods.
Skop Projek <i>Project scope</i>	<ol style="list-style-type: none"> 1. Control the dam system automatically by sensor. 2. Using Dual Power Supply to control the motor. 3. LCD display every type of warning when water level reach the sensor. 4. Using Arduino software control dam system automatically for each warning. 5. Using 5v and 9v power sources.
IP No	
Dapatan <i>Finding</i> (500 words max)	<p>Level control devices are basically electronic gadgets which are used to control the functions of your pump. The inventions of these devices have helped to solve water issues by controlling the supply of water. These devices have proved to be blessing in the field of agriculture where water issue pose a major problem during cultivation. It is also quiet helpful for domestic and industrial purposes.</p> <p>There are huge variety of water level control devices available in many of the leading online and offline stores. Most of the people prefer to use fully automatic control devices to check the supply of water.</p> <p>The automatic water level control devices are capable of controlling the functions of the motor and help to reduce the consumption of electricity. Thereby wastage of water and power can be reduced considerably. It also protects the motor from running dry and thus ensures durability.</p>
Cadangan untuk kerja- kerja akan datang <i>Suggestion for future work</i> (500words)	Water Level Controller in a dam system will lead us in future that provide more benefits to people. Next step for this project can be upgrade the water level controller once reach danger level the dam door open automatically. So it easily can handle the dam and it maintain the water level.

<p>Gambar berkaitan projek</p> <p><i>Picture related to project</i> (700kb)</p>	 <p style="text-align: center;"><i>Figure 1</i></p>	 <p style="text-align: center;"><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 LAMPIRAN J dan gambar hasil projek dalam format jpeg/bitmap) bersama laporan akhir dan hasil projek