**BORANG INVENTORI PROJEK PELAJAR**

<table>
<tr><th>PERKARA</th><th>MAKLUMAT<br>INFORMATION</th></tr>
<tr><td>Program<br>Program</td><td>DIPLOMA KEJURUTERAAN ELEKTRIK (DET)</td></tr>
<tr><td>Jabatan<br>Department</td><td>JKE</td></tr>
<tr><td>Semester/ Tahun<br>Semester/ Year</td><td>5</td></tr>
<tr><td>Tajuk Projek<br>Project Title</td><td>TURN NUMBER NOTIFIER</td></tr>
<tr><td>Jenis Projek<br>Type of Project</td><td></td></tr>
<tr><td>Kategori Kluster Penyelidikan<br>Category/ research Cluster</td><td>Tanda “ / ” pada yang berkenaan:<br>Please tick “ / ” where applicable:<br><table><tr><td></td><td>Sains tulen (Pure Science)</td></tr><tr><td></td><td>Sains gunaan (Applied Science)</td></tr><tr><td></td><td>Teknologi dan kejuruteraan (Technology and Engineering )</td></tr><tr><td></td><td>Sains kesihatan dan klinikal (Clinical and Health Sciences)</td></tr><tr><td></td><td>Sains sosial (Social Sciences)</td></tr><tr><td></td><td>Sastera dan sastera ikhtisas (Arts and Applied Arts)</td></tr><tr><td></td><td>Warisan alam dan budaya (Natural Sciences and National Heritage)</td></tr><tr><td></td><td>Teknologi maklumat dan komunikasi (Information and Communication Technology)</td></tr></table></td></tr>
<tr><td>Ahli Kumpulan<br>Group member</td><td>1. Name: Mohammad Rohaizad Bin Mohd Yusof<br>No. Identification card: 14DET14F2017<br>2. Name: Muhammad Izzul Amsyar Bin Mohd Noor<br>No. Identification card: 14DET14F2019</td></tr>
<tr><td>Penyelia<br>Supervisor</td><td>Name: Encik Adib Ridhwan Bin Adenan<br>No. Identification card: XXXX-XX-XXXX</td></tr>
<tr><td>Penyelia Bersama Co-Supervisor</td><td>1. Name:<br>No. Identification card:</td></tr>
<tr><td>Abstrak<br>Abstract</td><td>Abstract:<br>A digital counter is a device that generates binary numbrrs in a specified count sequence. The counter progresses through the specified sequence of numbers when triggered by an incoming clock waveform and it advances from one number to the text only on a clock pulse. The counter cycles through the same sequence of numbers continuously so long as there is an incoming clock pulse.</td></tr>
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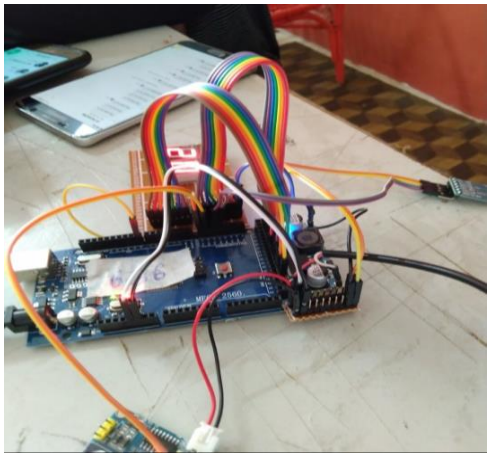
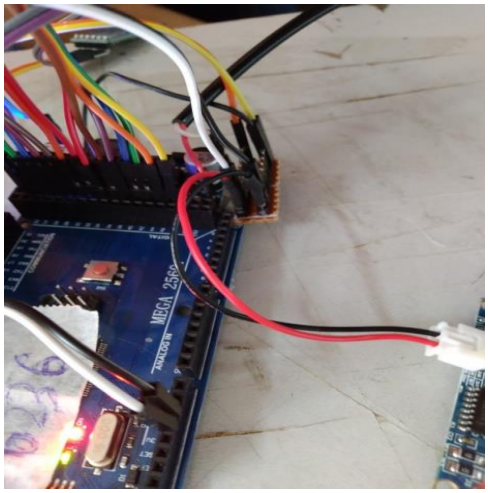
|---|---|
| | The binary number sequence generated by the digital counter can be used in logic systems to count up or down to generate truth table input variable sequences for logic circuits to cycle through addresses of memories in microprocessor applications to generate waveform of specific patterns and frequencies and to activate other logic circuits in a complex process. |
| Keyword<br>*Keyword*<br>(max 5 word) | Turn number notifier |
| Objektif Projek<br>*Project Objectives* | From this project, we create a counter to :<br>• Prevent wasted time<br>• Prevent wasted energy<br>• Improve hospital system<br>• User friendly |
| Skop Projek<br>*Project scope* | This project is created to be use in this country.This is because this device is small and light.It is suitable to be use in a family and a community. Mostly it been used in a place that gives out turns number like a hospital. |
| IP No | nil |
| Dapatan<br>*Finding*<br>(*500 words max*) | • Turn number notifier aim was to build a counter that low cost but at the same time can be very helpful to people. This project can save people's time and energy while waiting for their number to be called. In order to finish this project we manage to encounter many problems and solve the problems by the help of our supervisor and our friends to finish this project.<br>• Remove time when waiting for their turn number.<br>• Energy wastes while waiting.<br>• The hospital system is always busy. |
| Cadangan untuk kerja-kerja akan datang<br>*Suggestion for future work*<br>(*500words*) | There are some improvements need to be done to get a more attractive and compact design:-<br>1. The power supply, laser beam and LED need to be designed inside the machine<br>2. The funnel design need to be amended so that it can be connected to a vacuum cleaner to ensure the work area is clean. |

<table>
<tr>
<td>Gambar berkaitan projek<br><br>Picture related to project (700kb)</td>
<td>  <br>Figure 1 Turn Number Notifier</td>
<td>  <br>Figure 2</td>
</tr>
<tr>
<td>Rating/Level</td>
<td colspan="2">A place that uses a turn number system</td>
</tr>
</table>

***** *Borang ini perlu diisi oleh pelajar dan dihantar kepada penyelia/ penyelaras projek dalam bentuk hardcopy dan softcopy (gambar hasil projek dalam format jpeg/bitmap) bersama laporan akhir dan hasil proje*