LAMPIRAN J

BORANG INVENTORI PROJEK PELAJAR

<table>
<tr><th>PERKARA</th><th>MAKLUMAT
INFORMATION</th></tr>
<tr><td>Program
Program</td><td>DIPLOMA KEJURUTERAAN ELEKTRONIK (DEP)</td></tr>
<tr><td>Jabatan
Department</td><td>JKE</td></tr>
<tr><td>Semester/ Tahun
Semester/ Year</td><td>5</td></tr>
<tr><td>Tajuk Projek
Project Title</td><td>WASTE MONITORING SYSTEM BY USING NODEMCU</td></tr>
<tr><td>Jenis Projek
Type of Project</td><td>Internet of things (IoT)</td></tr>
<tr><td>Kategori Kluster Penyelidikan
Category/ research Cluster</td><td>Tanda “ / ” pada yang berkenaan:
Please tick “ / ” where applicable:
<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>
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<tr><td></td><td>Teknologi maklumat dan komunikasi (Information and Communication Technology)</td></tr>
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Supervisor</td><td>Name: Encik Shahidzwan Bin A.Rahim
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<tr><td>Penyelia Bersama
Co-Supervisor</td><td>1. Name:
No. Identification card:</td></tr>
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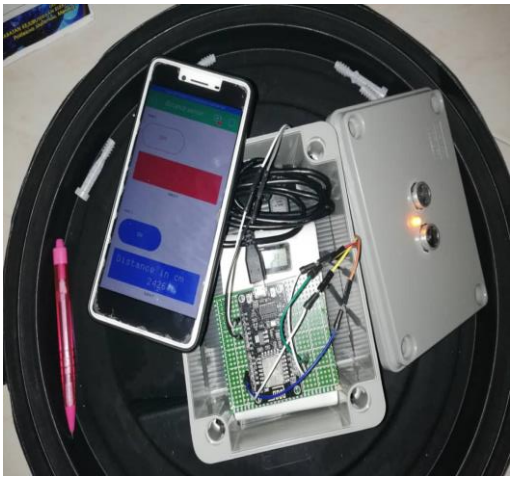
Abstrak *Abstract*	As the population is increasing day by day, the environment should be clean and hygienic. In most of the cities the overflowed garbage bins are creating an unhygienic environment. This will further lead to the arise of different types of unnamed diseases and degrade the standard of living. To overcome these situations an efficient waste monitoring system has to be developed. As the scope of IoT is developing day by day effective methods can be found out easily. This system using ultrasonic sensor to detect the fullness of garbage and Blynk applications as the mobile monitor. Besides, this system using Wifi to connect between the sensor and monitor. This system specially design for residence or large area.
Keyword *Keyword* (max 5 word)	Sensor, waste monitoring
Objektif Projek *Project Objectives*	To develop a prototype of the garbage monitoring system, when the trash inside the dustbin is full will automatically detects by the sensor system.
Skop Projek *Project scope*	• This project are focus on the residents or large area. • The dustbin will detect garbage fullness status. • This project uses applications such as blynk, fritzing, arduino IDE
IP No	nil
Dapatan *Finding* (*500 words max*)	i. From the experiment done this system, the trash is handled with proper and efficient way. ii. The company can easily know the fullness of the garbage and just need to collect it when its time. iii.No more unwanted smell and sight
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	There are some improvements need to be done to get a more attractive and compact monitoring: i. Data base on Blynk monitor

Gambar berkaitan projek *Picture related to project* (700kb)	 *Figure 1*	 *Figure 2*
Rating/Level	Jabatan *Departments /*	

***** *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*