



BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION
Program <i>Program</i>	DEP
Jabatan <i>Department</i>	KEJURUTERAAN ELEKTRIK
Semester/ Tahun <i>Semester/ Year</i>	LIMA
Tajuk Projek <i>Project Title</i>	ARDUINO SCROLLING TEXT DISPLAY VIA BLUETOOTH
Jenis Projek <i>Type of Project</i>	INOVASI
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	TEKNOLOGI MAKLUMAT DAN KOMUNIKASI
Ahli Kumpulan <i>Group member</i>	1. MUHAMMAD NUR FIKRI BIN BORHAN 980716-04-5025 2. MUHAMMAD NOR AIMAN BIN ZAMBERI 980103-04-5209 3. 4. 5.
Penyelia <i>Supervisor</i>	PUAN NOR ASILAH BINTI SURIP 731017-01-6164
Penyelia Bersama <i>Co-Supervisor</i>	PUAN RODZAH BINTI HJ YAHYA 690324-01-5518
Abstrak <i>Abstract</i>	The project Arduino Text Scrolling Display Via Bluetooth is concerned with the construction of a two dimensional arrangement of LEDs in a rectangular arrangement for the purpose of displaying English Alphabets (Upper Case) and decimal numerals. The characters to be displayed are control by android app. Therefore, in this project the android app as an input device and LED Matrix Display functions as an Output device. A android app shall also be included in the project to create a user-interface environment to enter the characters and numbers to be displayed. The Arduino Text Scrolling Display Via Bluetooth series is based on Bluetooth Communication and Android Phone. I have interface Arduino(UNO) with an Android phone using Bluetooth Communication(HC-06)

	and the 8×8 LED Matrix connected to Arduino through MAX7219 is controlled through a dedicated application on the Android Phone.
Keyword <i>Keyword</i> (max 5 word)	LED DISPLAY
Objektif Projek <i>Project Objectives</i>	The main objective of this project is to give information to people at public place such as at station bus, train station, mosque, and restaurant. More specifically the principle objective of this research are: i. To display the information through module 8x8. ii. To design circuit arduino scrolling text display. iii. To control information by using android app.
Skop Projek <i>Project scope</i>	i. Use 8 columns Display Led Matrix is 256mm x 64mm = 12.8 inch. ii. This project use HC-05 Bluetooth Module to connect with LED and can be control or edited using android phone only.

IP No		
Dapatan <i>Finding</i> (500 words max)	i. Journal ii. Magazine iii. Research (google, google scholar) iv. Electronic worker	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	Pengeluaran output projek ini dapat membantu orang awam atau pelajar untuk membaca maklumat yang dipaparkan. Projek ini lebih baik jika papan paparan maklumat ini dibesarkan supaya mudah untuk membaca dengan jelas.	
Gambar berkaitan projek <i>Picture related to project (700kb)</i>		

Rating/Level	JABATAN	

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.

