POLITEKNIK
MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DTK
Jabatan *Department*	KEJURUTERAAN ELEKTRIK
Semester/ Tahun *Semester/ Year*	LIMA
Tajuk Projek *Project Title*	LIGHT INDICATOR FOR BICYCLE USING ARDUINO NANO WITH ADXL335 ACCELEROMETER SENSOR
Jenis Projek *Type of Project*	INOVASI
Kategori Kluster Penyelidikan *Category/ research Cluster*	TEKNOLOGI DAN KEJURUTERAAN
Ahli Kumpulan *Group member*	1. MUHAMMAD ARIF SYAKIRIN BIN MOHD SAINAN 990512-01-8745 2. MUHAMMAD FARIS BIN ELIAS 990705-09-5149 3. 4. 5.
Penyelia *Supervisor*	NABILAH BINTI MAZALAN 851123-10-5482
Penyelia Bersama *Co-Supervisor*	
Abstrak *Abstract*	Light indicator known as a safety device for cyclist which cycling in various condition. Most of the light indicator should be manually on and off by tapping on the button. Due to safety purpose for cyclist, it is a problem for them and individuals around the area. This project was created to make an innovation to current light indicator for bicycle. To put this light indicator into the next level which can turn on and off automatically. This product is realized by Arduino nano programmed to control the sensors on light indicator. This project can help cyclist and road user to feel more comfortable while cycling.

Keyword *Keyword* (max 5 word)	light indicator
Objektif Projek *Project Objectives*	The main objective of this project is to make an innovation to current light indicator for bicycle. To put this light indicator into the next level which can turn on and off automatically. More specifically the principle objective of this research are: 1. To design light indicator that suit for cyclist. 2. To implement Arduino Nano and ADXL 335 inside light indicator. 3. To develop safety equipment for cyclist to ride especially during night.
Skop Projek *Project scope*	1. This project is still in prototype. 2. The emphasis is for cyclist that ride bicycle especially during night. 3. The main controller is using Arduino Nano and ADXL 335 Accelerometer Sensor. 4. This device can only power by power bank.

IP No	
Dapatan *Finding* (*500 words max*)	1. Internet 2. Article 3. Research
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	we want to make automatic direction indicator
Gambar berkaitan projek *Picture related to project* (700kb)	

Rating/Level	JABATAN	

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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.