LAMPIRAN J

POLITEKNIK MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DET
Jabatan *Department*	KEJURUTERAAN ELEKTRIK
Semester/ Tahun *Semester/ Year*	LIMA
Tajuk Projek *Project Title*	PARKING ALERTS WITH SENSORS USING RASPBERRY PI
Jenis Projek *Type of Project*	INOVASI
Kategori Kluster Penyelidikan *Category/ research Cluster*	TEKNOLOGI DAN KEJURUTERAAN
Ahli Kumpulan *Group member*	1. MUHAMMAD SYAZWAN SYAMIER BIN SHARIF 990715-01-6109 2. MUHAMMAD HAZIQ QAYYUM BIN HANIN 991130-01-6167 3. 4. 5.
Penyelia *Supervisor*	PUAN ATHIRAH BINTI A. RAHIM 831001-01-5720
Penyelia Bersama *Co-Supervisor*	
Abstrak *Abstract*	A car park is a parking area or storage for a stationary vehicle and its engine is turned off in one area. Parking is a facility for vehicle users to park or store vehicles while carrying out their own business. Parking facilities are an important part of providing traffic planning and control and are fundamental to providing a good transportation policy in an area. Increasing and accelerating progress in an area will also result in an increase in traffic systems and indirectly increase demand for parking areas. As such, the responsibility for the management of parking matters is under the Local Authority (Local Authority). It not only brings revenue to the Council but also serves as a basic need for the activities of the City community. Therefore, the Local Authority (PBT) needs to further strengthen its

	infrastructure development agenda in providing the best services and facilities to the community. In the clearer context, the Local Authority should emphasize the parking management system by emphasizing aspects of system management and development, decision-making processes, investment resources, operations and maintenance, cooperation with the private sector, regulations, IT applications, support programs and more.
Keyword *Keyword* (max 5 word)	RASPBERRY P.A
Objektif Projek *Project Objectives*	i) To identify the vehicle in the area using camera. ii) To upgrade the area by using sensors. iii) To place a warning sound in an area such as a buzzer or an alarm.
Skop Projek *Project scope*	i) Use Raspberry Pi 3 B+, 2 Infra Red sensor (MH Sensor), Camera IR-Cut night vision and Buzzer. ii) The sensors are positioned at the bottom and top of the camera. iii) The camera focuses only on the license plate part of the vehicle to store the data. iv) This project use Triple Output DC Power Supply.

IP No		
Dapatan *Finding* (*500 words max*)	- Research - Personal Consultation - Internet (Google Scholar) - Literature Review	
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	Link this project with City Council system to get notification.	
Gambar berkaitan projek *Picture related to project* (700kb)		
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.