

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DIPLOMA KEJURUTERAAN ELEKTRIK (DET)																
Jabatan <i>Department</i>	JKE																
Semester/ Tahun <i>Semester/ Year</i>	5																
Tajuk Projek <i>Project Title</i>	A SMART ID CARD FOR ATTENDANCE																
Jenis Projek <i>Type of Project</i>																	
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	Tanda “ / ” pada yang berkenaan: <i>Please tick “ / ” where applicable:</i> <table border="1"> <tr> <td>☐</td> <td>Sains tulen (<i>Pure Science</i>)</td> </tr> <tr> <td>☐</td> <td>Sains gunaan (<i>Applied Science</i>)</td> </tr> <tr> <td>☐</td> <td>Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)</td> </tr> <tr> <td>☐</td> <td>Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)</td> </tr> <tr> <td>☐</td> <td>Sains sosial (<i>Social Sciences</i>)</td> </tr> <tr> <td>☐</td> <td>Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)</td> </tr> <tr> <td>☐</td> <td>Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)</td> </tr> <tr> <td>☐</td> <td>Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)</td> </tr> </table>	☐	Sains tulen (<i>Pure Science</i>)	☐	Sains gunaan (<i>Applied Science</i>)	☐	Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)	☐	Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)	☐	Sains sosial (<i>Social Sciences</i>)	☐	Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)	☐	Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)	☐	Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)
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Ahli Kumpulan <i>Group member</i>	1. Name: Muhammad zarith iskandar bin azhari No. Identification card: 980406-43-5079 2. Name: Lukman hakim bin ishak No. Identification card: 981113-56-5595																
Penyelia <i>Supervisor</i>	Name: Encik Mohd Jamhari Ismain Bin Md Tokit No. Identification card: 721110-10-5437																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	The Smart ID Card System, a system wherein an individual can use the ID card for Door Access and Attendance Management. RFID technology has been employed in this system. When the ID card (containing the RFID tag) is found to be valid by the RFID reader, door access is provided. The door access time (In-time and Out-time) is noted in order to provide the attendance. The attendance of the student is updated in the university portal and also a message is generated to parents through GSM technology. This entire system is divided into two main parts – The Hardware and the Software. The Hardware part includes a motor unit (connected to the door); the RFID Tag (ID card); RFID Reader, which is connected to the host computer device using a serial to USB converter cable and a GSM Module. The Software part includes the Interface created using Microsoft Visual Studio, which is connected to the student database present in Microsoft Access																

Keyword <i>Keyword</i> (max 5 word)	arduinno uno
Objektif Projek <i>Project Objectives</i>	to upgrade attendance system
Skop Projek <i>Project scope</i>	easy lecture to know who dont come to class
IP No	NIL
Dapatan <i>Finding</i> (500 words max)	1. From the research, needed to know about arduinno uno for the project. . Simply connect it to a computer with a USB cable or battery to get started. 2. Beside that, the project have to use the rfid card to access. 3. The finding from the project, the project can facilitate to big company or using for school and IPTA, IPTS.
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	There are some improvements need to be done to get a more attractive and compact design:- 1) using finger print 2) after F.P your name direct to system.

Gambar berkaitan projek <i>Picture related to project (700kb)</i>	 smart id card for attendance <i>Figure 1</i>	<i>Figure 2</i>
Rating/Level	Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa Departments / Institutes / National / International	

* 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.

