

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DEP 5B																
Jabatan <i>Department</i>	Electrical Engineering Department																
Semester/ Tahun <i>Semester/ Year</i>	Semester 5																
Tajuk Projek <i>Project Title</i>	Fingerprint Attendance using Arduino																
Jenis Projek <i>Type of Project</i>	Hardware and Software																
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	Tanda “ / ” pada yang berkenaan: <i>Please tick “ / ” where applicable:</i> <table border="1"> <tbody> <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> </tbody> </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 Zahir bin Saimon No. Identification card: 970619-04-5593 2. Name: Siti Nurazwanie Binti Azman No. Identification card: 970317-01-5102 3. Name: Mohd Rafiq Safiuddin bin Safri No. Identification card: 920531-02-5075																
Penyelia <i>Supervisor</i>	Name: Mohd Khairul Nizam bin Abd Talib No. Identification card: 790908-01-6053																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	Attendance record is a must in the academic environment. However, lecturers sometimes may forget to bring attendance sheet to the class and it also inconvenient to track and analyse students' attendance using attendance sheet. Another issue is that lecturer may lose the attendance sheet. Therefore, this project proposes to develop an attendance management system using electronic device to gather, validate, process and store attendance data. This project consists of an Arduino and a fingerprint sensor. There are a lot of advantage by using fingerprint sensor such as unique, easy to use and good anti-fake. The fingerprint sensor can store up to 162 templates. The proposed system can be used in universities and companies.																

Keyword <i>Keyword</i> (max 5 word)	Fingerprint Attendance
Objektif Projek <i>Project Objectives</i>	· To ease lecturers on the attendance sheet. · To provides the medium level of security available. · To avoid student from cheating on their attendance.
Skop Projek <i>Project scope</i>	Applying ADC to Microcontroller: • Input taking using fingerprint module • Output display using LCD
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work (500words)</i>	Based on the weakness and the shortcomings of this system, some improvement need to be taken to ensure the system always at a high level. Firstly, we can add a beep when an enrol, an attendance taken and when there's an error. Secondly, student should be able to appeal through the system directly without needing to go to find that lecturer who barred them. Other than that, the report generated will only be in the PDF format.
Gambar berkaitan projek <i>Picture related to project (700kb)</i>	
Rating/Level	Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa <i>Departments / Institutes / National / International</i>

* Borang ini perlu diisi oleh pelajar dan dihantar kepada penyelia/ penyelarar projek dalam bentuk hardcopy dan softcopy (borang LAMPIRAN J dan gambar hasil projek dalam format jpeg/bitmap) bersama laporan akhir dan hasil projek.