LOG BOOK

DFT6014 - INTEGRATED PROJECT

INFORMATION & COMMUNICATION TECHNOLOGY DEPARTMENT

INFORMATION & COMMUNICATION TECHNOLOGY DEPARTMENT

DIPLOMA IN INFORMATION TECHNOLOGY (DIGITAL TECHNOLOGY)

	TRACK NETWORKING SYSTEM
/	**TRACK SOFTWARE AND APPLICATION DEVELOPMENT**
	TRACK INFORMATION SECURITY

SESSION : JUNE 2020

PROJECT INFORMATION	
PROJECT TITLE :	SCHOOL ATTENDANCE SYSTEM USING RFID
SUPERVISOR :	ENCIK SABRI BIN SAEP

GROUP INFORMATION			
NAME :	1.AHMAD AN NOOR BIN ABDUL NASIR		
	2.MUHAMMAD FARIS BIN ADNAN		
	3.ZIHNY FARHAN HAQEEM BIN ZAINI		
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TABLE OF CONTENT

	CONTENTS	PAGE

1.0 INTRODUCTION

The **INTEGRATED PROJECT** is a mandatory course for a particular program of study that needs to be implemented as fulfilling the qualification requirements of the Diploma of the Ministry of Education (MoE). This course provides students with the opportunity to apply their prior knowledge and skills as well as to demonstrate their ability to realize ideas, creativity, innovation and problem solving towards producing projects that have commercial and competitive value.

INTEGRATED PROJECT implementation covers all teaching and learning processes that are theoretically, practical, scientific writing, monitoring, evaluation and more. Throughout the project implementation, students are guided by supervisors to explore new knowledge and skills. The management and co-ordination of student projects also involves collaborative coordinators, appraisers and Research, Innovation and Commercialization Unit (UPIK). Hence, the objective of producing this manual is to provide a reference and guidance throughout the implementation of the KPT Polytechnic Students Project. In addition, this guidebook also includes examples of documents related to the planning and implementation of student projects.

The **INTEGRATED PROJECT** Log Book is used specifically for writing notes on the activities and work done by student throughout the duration of the project. The Log Book is one of the way in which the department can identify and assess the attitude, initiative, achievement of the students' project. It is one of the requirements for students to complete during the project is carried out either work individually or in a team under supervision of respective supervisors. Therefore, it is important for students to fully utilize the Log Book and submit to a panel of examiner for evaluation.

2.0   GUIDELINES FOR USE OF INTEGRATED PROJECT LOG BOOK

1. The Log Book must be handed in to the supervisor to be graded and verified at least once in every week.
2. Students must bring along their Log Book at every meeting and discussion with their supervisor so that verification can be done after the session.
3. The Log Book must be handed in to the supervisor with the INTEGRATED PROJECT TECHNICAL REPORT evaluation and grading.

3.0 MEETING DURATION

The students' attendance will be taken during 1 hour lecture and 4 hours practical in a week.

4.0   INTEGRATED PROJECT LOG BOOK FORMAT

Information to be included in log book of student project implementation activities:
1. Students need to keep track of activities and tasks throughout the week.
2. Students need to elaborate on all plans in the Project Progress Reports column to be in line with the plans set out in the Gantt chart.
3. Students must state the actual achievement or current project status in the space provided.
4. The reflective section needs to be filled by the student by stating the relevant proposal as a step of improving the project.

5. Supervisors should give comments or feedback on every assignment students have done.

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POLITEKNIK MALAYSIA

5.0 PROJECT PLANNER

WEEK	SHORT SEM	TASK	ASSESSMENT	MARK	REMARK
Week 1	Week 1	**1.0 PROJECT PROPOSAL.** **1.1** Prepare project plan and project design			**STUDENT / SUPERVISOR**
Week 2			**PROPOSAL PRESENTATION**	**CLO 1 (10%)**	**STUDENT / SUPERVISOR / ACCESSOR**
Week 3	Week 2	**2.0 PROJECT DEVELOPMENT.** **2.1** Plan requirement and design specifications. **2.2** Manage the hardware or software configuration. **2.3** Develop problem specification and design.			**STUDENT / SUPERVISOR**
Week 4					**STUDENT / SUPERVISOR**
Week 5	Week 3				**STUDENT / SUPERVISOR**
Week 6			**DEMO #1**	**CLO 2 (20%)**	**STUDENT / SUPERVISOR**
Week 7	Week 4				**STUDENT / SUPERVISOR**
Week 8					**STUDENT / SUPERVISOR**
Week 9	Week 5				**STUDENT / SUPERVISOR**
Week 10			**DEMO #2**	**CLO 2 (20%)**	**STUDENT / SUPERVISOR**
Week 11	Week 6				**STUDENT / SUPERVISOR**
Week 12					**STUDENT / SUPERVISOR**
Week 13	Week 7				**STUDENT / SUPERVISOR**
Week 14		**3.0 DELIVERABLES.** **3.1** Present deliverables.			**STUDENT / SUPERVISOR**
Week 15	Week 8	**CAPSTONE PROJECT PRESENTATION.** ● Capstone project presentation ● Capstone Correction ● Re-Present Capstone Project ● Full Documents and Project Submitted	**CAPSTONE PROJECT** 1. Technical Report 2. End Product 3. Log Book	**CLO 1 (5 %) CLO 2 (45 %) GSA (100%)**	**STUDENT / SUPERVISOR / ACCESSOR**

This planner can be amendable accordance to polytechnic.

4

6.0 PROJECT GANTT CHART

WEEKS	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15
PLANNING	WEEK 1		WEEK 2		WEEK 3		WEEK 4		WEEK 5		WEEK 6		WEEK 7		WEEK 8
1.0 PROJECT PROPOSAL. Prepare project plan and project design	▓	▓													
PROPOSAL PRESENTATION	▓														
2.0 PROJECT DEVELOPMENT. **2.1** Plan requirement and design specifications. **2.2** Manage the hardware or software configuration. **2.3** Develop problem specification and design.			▓	▓	▓	▓									
DEMO 1 PRESENTATION					▓										
2.0 PROJECT DEVELOPMENT. (Continue) **2.1** Plan requirement and design specifications. **2.2** Manage the hardware or software configuration. **2.3** Develop problem specification and design.							▓	▓	▓	▓					
DEMO 2 PRESENTATION									▓						
2.0 PROJECT DEVELOPMENT. (Continue) **2.1** Plan requirement and design specifications. **2.2** Manage the hardware or software configuration. **2.3** Develop problem specification and design. **3.0 DELIVERABLES.** **3.1** Present deliverables.											▓	▓	▓	▓	
CAPSTONE PROJECT PRESENTATION															▓
● Capstone project presentation ● Project refining ● Re-Present Capstone Project ● Full Documents and Project Submission															▓

This Gantt chart can be amendable accordance to polytechnic.

7.0 TASK SUMMARIES

Verified by :

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(SUPERVISOR NAME   )

*** Task summaries are based on allocating project scopes among group members.*

WEEKLY ACTIVITIES REPORT

WEEK : 1

DATE : 12/8/2020 & 14/8/2020

TIME : 2-5 & 10-12

Weekly Planning
1.Brain storming project. 2.Mengenalpasti bahan hardware serta software project untuk digunakan. 3.Memilih syarikat atau sekolah sebagai pelangaan.

Weekly Achievement
1.Tajuk:School Attendance System Using RFID. 2.Memilih Sekolah Kebangsaan Kuala Perlis sebagai pelangaan kami.

Supervisor's Comment

Verified by

Supervisor's Signature:

…………………………………………………

(   )

Date:

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WEEKLY ACTIVITIES REPORT

WEEK : 2

DATE : 19/8/2020 & 21/8/2020

TIME : 2.00-5.00 & 10.00-12.00

Weekly Planning
-Membuat kertas kerja untuk dibentangkan kepada SV pada minggu hadapan. -Membuat carian di internet berkaitan contoh applikasi untuk projek kami. -Berbincang bersama-sama ahli kumpulan tentang pelaksanaan projek.

Weekly Achievement
-Kertas kerja berjaya disiapkan. -Contoh aplikasi berjaya ditemui.

Supervisor's Comment

Verified by

Supervisor's Signature:

…………………………………………………

(   )

Date:

WEEKLY ACTIVITIES REPORT

WEEK : 3

DATE : 26/8/2020

TIME : 8.00-10.00

Weekly Planning
-Membentangkan kertas kerja kami kepada ahli panel. -Berjumpa dengan pelanggan kami untuk menerangkan tentang projek kami. -Membuat pelan awal untuk membuat paparan antaramuka aplikasi. -Membuka satu akaun github untuk menyimpan semua dokumen berkaitan dengan projek.
Weekly Achievement
-Kertas kerja diterima oleh panel. -Berjaya berjumpa dengan pelanggan dan memperoleh tanda tangan beliau. -Berjaya membuat akaun github.
Supervisor's Comment
Verified by Supervisor's Signature: ………………………………………………… (   ) Date:

WEEKLY ACTIVITIES REPORT

WEEK : 4

DATE : 2/9/2020 & 4/9/2020

TIME : 2-5 & 8-10

Weekly Planning
-Memulakan langkah untuk membina paparan antara muka projek. -Membuat slide tentang paparan antara muka projek. -Membeli barang-barang hardware di aplikasi shopee.
Weekly Achievement
-Paparan antara muka aplikasi berjaya dihasilkan. -Barang-barang hardware berjaya dibeli.
Supervisor's Comment
Verified by Supervisor's Signature: …………………………………………………… (   ) Date:

KEMENTERIAN PENDIDIKAN MALAYSIA

WEEKLY ACTIVITIES REPORT

WEEK : 5

DATE : 9/9/2020 & 11/9/2020

TIME : 2.00-5.00 & 10.00-12.00

Weekly Planning
-Menjawab soalan yang dikemuka oleh sv. -Menghantar buku log kepada sv untuk disemak. -SV menyemak slide power point berkaitan dengan interface projek.

Weekly Achievement
-Buku log berjaya dihantar. -S menyemak slide power point dan memberikan komen.

Supervisor's Comment
  Verified by Supervisor's Signature: ………………………………………………… (   ) Date:

WEEKLY ACTIVITIES REPORT

WEEK : **6**

DATE : 16/9/2020 & 18/9/2020

TIME : 2.00-5.00 & 10.00-12.00

Weekly Planning
-Menukarkan platform projek kami dari membuat applikasi kepada web platform. -Membuat interface baru untuk web. -Menanti barang-barang hardware untuk sampai. -Membahagikan tugas masing-masing di dalam ahli kumpulan.

Weekly Achievement
-Berjaya memberitahu sv untuk menukar platform projek kepada web. -Interface baru untuk web telah siap. -Tugas-tugas berjaya dibahagikan.

Supervisor's Comment

Verified by

Supervisor's Signature:

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(   )

Date:

KEMENTERIAN PENDIDIKAN MALAYSIA

WEEKLY ACTIVITIES REPORT

WEEK : 7

DATE : 23/9/2020 & 25/9/2020

TIME : 2-5 & 10.00-12.00

Weekly Planning
-Menunjukkan kepada sv bahawa semua kerja telah dipush ke dalam github. -Setiap ahli kumpulan pull semua dokumen di dalam github. -SV menerangkan cara-cara menulis report untuk demo 1. -Membentangkan demo 1. -Memasang komponen-komponen hardware.

Weekly Achievement
-Dokumen berjaya dipush ke dalam github. -Dokumen dari dalam github berjaya dipull. -Demo 1 berjaya dibentangkan. -Komponen-komponen hardware Berjaya dipasang.

Supervisor's Comment
  Verified by Supervisor's Signature: ………………………………………………… (   ) Date:

KEMENTERIAN PENDIDIKAN MALAYSIA

WEEKLY ACTIVITIES REPORT

WEEK :   **8**

DATE :   7/10/2020 & 9/10/2020

TIME :   2.00-5.00 & 10.00-12.00

Weekly Planning
-Memperbaiki coding arduino di dalam arduino ide supaya kad boleh dibaca oleh rfid scanner. -Mencipta akaun github sendiri. -Menanyakan kepada SV bagaimana mahu add ahli group di dalam repository di dalam github. -Memaklumkan kepada sv status akaun github

Weekly Achievement
-Akaun berjaya dicipta. Ahli group berada di dalam repository yang sama di dalam github. -Berjaya memaklumkan kepada sv status akaun github.

Supervisor's Comment
    Verified by Supervisor's Signature: …………………………………………………… (   ) Date:

WEEKLY ACTIVITIES REPORT

WEEK : 9

DATE : 14/10/2020 & 16/10/2020

TIME : 2.00-5.00 & 10.00-12.00

Weekly Planning
-Menjawab pertanyaan SV di dalam whatsapp group. -Menukarkan microcontroller dari Arduino kepada nodemcu v3. -Mencari contoh-contoh berkaitan dengan rfid di internet. -Memperbaiki coding di arduino ide supaya boleh kad boleh dibaca.
Weekly Achievement
-Soalan sv berjaya dijawab. -Membeli microcontroller NodeMCU V3. -Coding berjaya dibaiki.
Supervisor's Comment
Verified by Supervisor's Signature: ………………………………………………… (   ) Date:

WEEKLY ACTIVITIES REPORT

WEEK : **10**

DATE : 21.10.2020

TIME : 3-5

Weekly Planning
- Pembetulan coding Arduino agar kad boleh dibaca. - Pembentangan Demo 2. - Membuat persiapan untuk Demo 2.

Weekly Achievement
- Kad boleh dibaca dalam Serial Monitor dalam Arduino IDE. - Pembentangan Demo 2 berjaya dilaksanakan. - Mengemaskini coding baharu dalam Github.

Supervisor's Comment
  Verified by Supervisor's Signature: ………………………………………………… (   ) Date:

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WEEKLY ACTIVITIES REPORT

WEEK : 11

DATE : 28/10/2020 & 30/10/2020

TIME : 2.00-5.00 & 10.00-12.00

Weekly Planning
- Memperbaiki coding Arduino agar dapat menghantar data ke database sewaktu mengimbas kad. - Bertanya kepada pelajar Jabatan Kejuruteraan Elektrik untuk membantu menyelesaikan masalah tersebut. - Mengenalpasti masalah berkaitan data tidak boleh dihantar masuk ke database.

Weekly Achievement
-Coding Arduino Berjaya dibaiki -Pelajar Jabatan Kejuruteraan Elektrik memberi idea dan membantu menyelesaikan masalah. -Data berjaya dihantar masuk ke database dengan membuang dan memuat turun kembali aplikasi XAMPP.

Supervisor's Comment
    Verified by Supervisor's Signature: …………………………………………………… (   ) Date:

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WEEKLY ACTIVITIES REPORT

WEEK : 12

DATE : 4/11/2020 & 6/11/2020

TIME : 2.00-5.00 & 10.00-12.00

Weekly Planning
-Mencari jawapan berdasarkan pertanyaan sv. -Mencuba menyambungkan rfid ke web interface yang sebenar.

Weekly Achievement
-Menjawab pertanyaan sv. -Berjaya menyambungkan rfid ke web database.

Supervisor's Comment
   Verified by Supervisor's Signature: ………………………………………………… (   ) Date:

WEEKLY ACTIVITIES REPORT

WEEK : **13**

DATE : 11/11/2020 & 13/11/2020

TIME : 2.00-5.00 & 10.00-1200

Weekly Planning
-Menjawab soalan sv pada minggu ini. -Mencari bahan untuk membuat bekas meletakkan rfid dan juga Arduino.

Weekly Achievement
-Berjaya menjawab soalan sv pada minggu ini. -Bekas yang sesuai telah berjaya dijumpai.

Supervisor's Comment

Verified by

Supervisor's Signature:

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(   )

Date:

WEEKLY ACTIVITIES REPORT

WEEK : 14

DATE :

TIME :

Weekly Planning

Weekly Achievement

Supervisor's Comment

Verified by

Supervisor's Signature:

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(   )

Date:

KEMENTERIAN PENDIDIKAN MALAYSIA

WEEKLY ACTIVITIES REPORT

WEEK :   **15**

DATE :

TIME :

Weekly Planning

Weekly Achievement

Supervisor's Comment
Verified by Supervisor's Signature: …………………………………………………… (   ) Date:

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