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LOG BOOK

DFT6014 - INTEGRATED PROJECT

INFORMATION & COMMUNICATION TECHNOLOGY DEPARTMENT



INFORMATION & COMMUNICATION TECHNOLOGY DEPARTMENT
DIPLOMA IN INFORMATION TECHNOLOGY (DIGITAL TECHNOLOGY)

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TRACK NETWORKING SYSTEM

TRACK SOFTWARE AND APPLICATION DEVELOPMENT

TRACK INFORMATION SECURITY

SESSION : JUN 2020

PROJECT INFORMATION	
PROJECT TITLE :	SMART KANSIS LOCK SYSTEM
SUPERVISOR :	EN SABRI BIN SAEP

GROUP INFORMATION				
NAME :	1. T8D MUHAMMAD HAFIZ BIN ZAKARIA			
	2. NURUL IZZAH ATHIRAH BINTI ZAMURI			
	3.			
REGISTRATION NO. :	1. 18DDT18F1034	PHONE NO.:	1. 018 267 4123	
	2. 18DDT18F1075		2. 011 2428 6200	
	3.		3.	
ADDRESS :	Lot 11790 JLN PENGKALAN KAMPUNG NELAYAN 1. TELUK GONG 42000 PELABUHAN KELANG SELANGOR 2. 4495, JALAN SERAMPANG TAMAN RIA JAYA 08000 SUNGAI PETANI KEDAH.			
	3.			

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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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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				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	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 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. <ul style="list-style-type: none"> ● 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.



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6.0 PROJECT GANTT CHART

ACTIVITIES	WEEKS	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15
		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.



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7.0 TASK SUMMARIES

Verified by :

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



WEEKLY ACTIVITIES REPORT

WEEK : 1

DATE : 12/8/2020 - 14/8/2020

TIME : 2.00pm - 5.00 pm

Weekly Planning

- ① Discuss idea and project planning
- ② Proff proposal
- ③ Find client for requirement
- ④ prepare questionare for client

Weekly Achievement

- ⑥ meet client and client approved

Supervisor's Comment

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WEEKLY ACTIVITIES REPORT

WEEK : 2

DATE : 14/8/2020 - 21/8/2020

TIME : 2.00 pm - 5.00 pm

Weekly Planning

- ① Discussion about slide presentation
- ② provide registration form and title selection for panel
- ③ Draft proposal

Weekly Achievement

- ① presentation complete
- ② project title approved by panel
- ③ proposal submitted

Supervisor's Comment

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WEEKLY ACTIVITIES REPORT

WEEK : 3

DATE : 26 /8 /2020 - 28 /8 /2020

TIME : 2.00 pm - 5 pm

Weekly Planning

- (1) Discuss about hardware tools.
- (2) Calculate the budget for purchase of hardware items.

Weekly Achievement

- (1) Buy hardware items

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WEEKLY ACTIVITIES REPORT

WEEK : 4

DATE : 2/9/2020 - 4/9/2020

TIME : 2.00 pm - 5.00 pm

Weekly Planning

- ① Discuss about interface system
- ② Netbeans for web based
- ③ Android studio mobile application

Weekly Achievement

- ① create Entity Relationship Diagram
- ② create Data Flow Diagram
- ③ create storyboard

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WEEKLY ACTIVITIES REPORT

WEEK : 5

DATE : 9/9/2020 - 11/9/2020

TIME : 2.00pm - 5.00pm

Weekly Planning

- ① Start on the project interface
- ② Make user friendly interface for student

Weekly Achievement

- ① Create interface for web based and mobile application web.

Supervisor's Comment

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WEEKLY ACTIVITIES REPORT

WEEK : 6

DATE : 11/9/2020 - 18/9/2020

TIME : 2pm - 5pm

Weekly Planning

- 1) Research for weight and total cost for hardware.
- 2) Research for RFID sensor architecture.
- 3) Design system architecture
- 4) Setup circuit
- 5) DEMO & Presentation

Weekly Achievement

- 1) System architecture have been design.
- 2) Circuit been setup
- 3) Presentations done

Supervisor's Comment

- 1) Design Architecture → RFID sensor frequency + LED + NodeMCU
- 2) Configure hardware
- 3) Test wifi connector
- 4) Read RFID CARD → SEND TO DATABASE
- 5) Read RFID CARD DATA from database
- 6) Use button for open lock door from inside.

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WEEKLY ACTIVITIES REPORT

WEEK : 7

DATE : 21/01/20 - 25/01/20

TIME : 2 pm - 7 pm

Weekly Planning

- 1) draft new circuit for Nodemcu and Relay 2 channel
- 2) draft new coding to get RFID CARD Data from database.
- 3) improve student website interface.

Weekly Achievement

- 1) New circuit created
- 2) Get True user RFID CARD from database

Supervisor's Comment

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WEEKLY ACTIVITIES REPORT

WEEK : 8

DATE : 6/10/20 - 10/10/20

TIME : 2pm - 7pm

Weekly Planning

- 1) Search item for create electric 12v circuit
- 2) get a proper reading for RFID sensor data
- 3) setting staff interface

Weekly Achievement

- 1) plywood is selected as a base for humanoid setup
- 2) staff interface created.

Supervisor's Comment

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WEEKLY ACTIVITIES REPORT

WEEK : 9

DATE : 14/10/20 - 17/10/20

TIME : 2pm - 5pm

Weekly Planning

- 1) Set up student and staff interface.
- 2) create mobile view for student and staff interface
- 3) improve website
- 4) prepared for demo2

Weekly Achievement

- 1) mobile view created

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WEEKLY ACTIVITIES REPORT

WEEK : 10

DATE : 23/10/20

TIME : 10.00 AM - 12.00 PM

Weekly Planning

- 1) Demo 2 presentation
- 2) panel give comment and will improve it for student and staff interface.

Weekly Achievement

- 1) presentation done

Supervisor's Comment

- 1) rearrange circuit
- 2) make simple database for student
- 3) make a small model for door

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WEEKLY ACTIVITIES REPORT

WEEK : 11

DATE : 26/10/20 - 1/11/20

TIME : 2pm - 6pm

Weekly Planning

- 1) rearrange database for student website
- 2) rearrange database for staff website
- 3) rearrange circuit
- 4) improve website function for staff

Weekly Achievement

- 1) rearrange database for Student website is done
- 2) rearrange database for Staff website is done
- 3) new circuit is created
- 4) New function for staff created.

Supervisor's Comment

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WEEKLY ACTIVITIES REPORT

WEEK : 12

DATE : 2/11/20 - 8/11/20

TIME : 2pm - 5pm

Weekly Planning

- 1) Make small model for lock door from plywood.
- 2) Check and analysys for error in website

Weekly Achievement

- 1) New model created
- 2) analysys done

Supervisor's Comment

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WEEKLY ACTIVITIES REPORT

WEEK : 13

DATE : 9/11/20 - 15/11/20

TIME : 2pm - 6 pm

Weekly Planning

- 1) Make scanning function for staff interface
- 2) Create register card RFID card page in staff interface
- 3) build confirmation page in student page for activate key lock by use RFID CARD.
- 4) build a coding to make notification for lock door system.
- 5) Make interface to kick student from room.

Weekly Achievement

- 1) Scanning function created for staff interface by using RFID sensor and nodemcu.
- 2) Confirmation page is created for activate key.
- 3) Telegram notification created went using don't lock door truly.
- 4) Kick student interface created went student not update their confirmation page.

Supervisor's Comment

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WEEKLY ACTIVITIES REPORT

WEEK : 14

DATE : 18 november - 20 november

TIME : 10 AM - 12 pm / 2 pm - 4 pm

Weekly Planning

- 1) check all circuit worked
- 2) make a video for end present
- 3) Final presentation.

Weekly Achievement

- 1) all circuit work properly
- 2) video created and been submitted
- 3) Final presentation done

Supervisor's Comment

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WEEKLY ACTIVITIES REPORT

WEEK : 15

DATE : 23/11/20-26/11/20

TIME : 2pm

Weekly Planning

- 1) submit log book to supervisor
- 2) submit final report to supervisor
- 3) submit coding hardware to supervisor
- 4) submit all draft to supervisor

Weekly Achievement

- 1) log book ,final project ,coding hardware has been submitted via gitbud.

Supervisor's Comment

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NOTES

**SOARING
UPWARDS**
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