



KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI



VERSION 1.0 | 2024



STUDENT'S GUIDE BOOK

DIPLOMA IN INFORMATION TECHNOLOGY (DIT)





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VERSION 1.0 | 2024

DIT STUDENT'S GUIDE BOOK INFORMATION & COMMUNICATION TECHNOLOGY DEPARTMENT

DIT - DIPLOMA IN INFORMATION TECHNOLOGY

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Siti Norhidayah Binti Saad

She was born in Bukit Ibam, Muadzam Shah, Pahang on 25 February 1986. She grew up in Muadzam Shah before continuing his studies at the International Islamic University Foundation Center in Petaling Jaya, Selangor in the field of ICT in 2004. She then continued her studies at the Main Campus of the International Islamic University of Malaysia (UIAM) in Gombak in the field of Computer Science until 2009. She started her career as a Software Engineer at Technology Park Malaysia before entering the field of education as a Lecturer at Muadzam Shah Polytechnic in 2010. Now she holds the position as Head of the Information Technology Diploma Program - Software And Application Development Track at the same polytechnic.



Norhidayuwati Binti Abu Husin

With a strong academic background in Electrical Engineering and Technique and Vocational Education, she has established a remarkable career in the realm of education. Having completed her undergraduate studies at Tun Hussein Onn College University, she further pursued a master's degree in the same institution. Her professional journey began at Kuching Sarawak Polytechnic, where she contributed her expertise in Electrical Engineering. Her dedication and passion for teaching and vocational education led them to Sultan Mizan Zainal Abidin Polytechnic, where she continued to inspire and shape the minds of young learners. Currently, she holds the position as a lecturer at Information and Communications Technology Department, Muadzam Shah Polytechnic.



Siti Zaharah Binti Sidek

She was born in Pantai Remis, Perak on 29 December 1981. She grew up in Pantai Remis before continuing her studies at the Politeknik Seberang Perai, Pulau Pinang in the field of Data Processing in 2000. She then continued her studies at the Kolej Universiti Teknikal Malaysia Melaka, Melaka in the field of Computer Science until 2006. She then continued her Master's Degree in Education at Universiti Tun Hussein Onn Malaysia in 2006 until 2008. In the June of 2008, she started her career by entering the field of education as a Lecturer at Politeknik Sultan Idris Shah, Sabak Bernam, Selangor. She then moves to Politeknik Kuching Sarawak, Sarawak in 2009 until November 2013. On December 2013, she moves to Politeknik Muadzam Shah until now. And now, she holds the position as Head of the Information Technology Diploma Program at the same polytechnic.

PREFACE

Alhamdulillah, all the worship and praise of the authors go to Allah hence only with His permission this book was successfully completed. This book was written based on the authors' desire to provide a simple and compact guidebook with important content on the Information and Communication Technology Diploma Program. This book contains all brief notes and compact comments in the form of text, tables and illustrations to give easy understanding to students to appreciate the structure of the program. Finally, the authors hope that this book can bring benefits to readers. Specifically, the authors hopes that this book can inspire students to work harder and harder for a brilliant future.

FROM THE HEAD OF DEPARTMENT



Assalamualaikum,

Firstly, let me to express my gratitude on your successful admission to Muadzam Shah Polytechnic, especially to our department, JTMK. You have determined that PMS is the best location to acquire the necessary information and abilities to fulfil your aspirations of becoming a highly skilled professional, equipped to take on the chances and challenges presented by the current industrial revolution.

Since you are given the chance to build high-quality talents that go beyond your subjects of study, we at PMS guarantee that you will always have an equal chance of success. We also hope to develop graduates who are prepared to lead the information technology industry in the future. Our state-of-the-art curricula are tailored to meet both industry expectations and those of aspiring careers.

I have no doubt that you will accomplish your objectives and start the fulfilling profession you have always wanted. I also hope your adventure with PMS is joyful and fruitful. At JTMK, we're dedicated to giving you the greatest possible education and support. Thank You!

*Mrs. Fazilah binti Ismail
Head of Department
Department of Information Technology and
Communication
Muadzam Shah Polytechnic*

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PROGRAMME OVERVIEW

DIPLOMA IN INFORMATION TECHNOLOGY - DIT

This program provides education and training in Computing field with a specific emphasis on Information Technology area. The courses provide opportunities for students to get into a broad range of careers in a variety of ICT sectors. This program also provides the students with transferable skills and multiskilling which enable them to adapt to new technologies. In addition to the technical courses, students are also taught English for Digital Technology, Penghayatan Etika dan Peradaban, Pengajian Islam or Pendidikan Moral and Co- Curriculum, to enhance their competencies in soft skills. As the program emphasizes self-initiated learning and hands-on competencies, graduates of this program should be ready to take the challenges in the world of computing technologies.

VISION

To be the Leading-Edge TVET Institution.

MISSION

1. To provide wide access to quality and recognized TVET programs
2. To empower communities through lifelong learning
3. To develop holistic, entrepreneurial and balanced graduates
4. To capitalise on smart partnership with stakeholders


EDUCATIONAL GOAL



To produce holistic and competent TVET graduates capable of contributing to the national development

PROGRAM AIMS

The programme believes that every individual has potential to foster adaptable and responsible Information and Communication Technology (ICT) Assistant with new technological advancement in supporting the national digital initiative transformation agenda.



ADMISSION REQUIREMENTS

Minimum general requirement:

- Malaysian citizen
- SPM holder of equivalent
- **PASS** Bahasa Melayu
- **PASS** Sejarah
- **PASS** Bahasa Inggeris
- Three (3) **CREDIT** for these subjects:
 - Matematik
 - Any TWO(2) others subjects whichever not used their credit yet.
- No **IMPAIRMENT** for visual, hearing, physical that impacting the teaching and learning process especially practically.

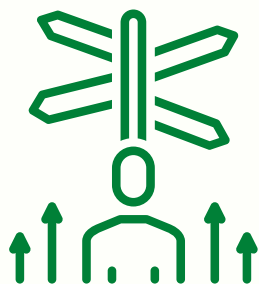
CAREER PROSPECTUS

Research by Malaysian Digital Economy Corporation (MDEC) shows significant demand in ICT globally. Thus, graduates from this programme are equipped with the knowledge, skills, attitude and abilities that can be applied to a broad range of careers in the ICT industrial worlds and businesses. The knowledge and skills that the students acquire from the programme will enable them to participate in the job market such as:

- ❖ *Computer Application Programmer*
- ❖ *Internet Programmer*
- ❖ *Web Programmer*
- ❖ *Database Programmer*
- ❖ *System Analysts Assistant*
- ❖ *Software Developer*
- ❖ *Database Administrator*
- ❖ *Software Tester*
- ❖ *System Support Personnel*
- ❖ *System Programmer*
- ❖ *Network Support Personnel*
- ❖ *Network Administrator*
- ❖ *IT Supporting Engineer*
- ❖ *Assistant Network Engineer*
- ❖ *Technical Helpdesk / Support*
- ❖ *Assistant Game Programmer*
- ❖ *Game Designer*



- ❖ *3D Animator*
- ❖ *Storyboard Artist*
- ❖ *2D Concept Artist*
- ❖ *3D Artist*
- ❖ *Assistant Security Analysis*
- ❖ *Assistant Information Security Engineer*
- ❖ *Assistant Game Developer*
- ❖ *Assistant Data Analysis*
- ❖ *Assistant Penetration Tester*
- ❖ *Assistant Data Scientist*
- ❖ *Assistant Data Analyst*
- ❖ *Business Intelligence Analyst*
- ❖ *Junior Data Visualization*
- ❖ *Junior Statistician*
- ❖ *Junior Data Insights and Visualization*
- ❖ *Web Designer*
- ❖ *Web Developer*



PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

The Diploma in Information Technology programme shall produce semi-professionals ICT practitioners who are capable to:

- PEO 1** Computer technicians have basic knowledge with numeracy and technical skill to solve well-defined and routine problems in computing in line with the industry requirements.
-
- PEO 2** Computer technicians have the supervisory ability and good interpersonal and communication skills to interact in various environments.
-
- PEO 3** Computer technicians have a commitment to lifelong learning and an entrepreneurial mindset for self and career development.
-
- PEO 4** Computer technicians who are committed to ethical conduct and professional practices in the organization and society.
-

PROGRAMME LEARNING OUTCOMES (PLO)

Upon completion of the programme, students should be able to:

PLO 1 Explain concepts, principles and theories relating to Information Technology.

PLO 2 Apply design and architecture to Information Technology solutions using appropriate tools and techniques.

PLO 3 Perform support and development tasks on Information Technology solutions related to job functions.

PLO 4 Demonstrate effective interaction with stakeholders and society in a work-related environment.

PLO 5 Exhibit effective communication with stakeholders and society in a work-related environment.

PLO 6 Use appropriate digital tools on computing related to job functions.

PLO 7 Apply appropriate numerical skills in computing related to job functions.

PLO 8 Demonstrate supervisory skills and responsibility in executing instructions related to job functions.

PLO 9 Commit to principles of lifelong learning in academic and career development.

PLO 10 Demonstrate an entrepreneurial mindset in performing tasks.

PLO 11 Commit to professional and ethical practices in executing instructions related to the job and organizational functions.

TEACHING & LEARNING APPROACH

O.B.E

OUTCOME-BASED EDUCATION

Outcome-based Education is introduced in Ministry of Higher Education in 2010 to fulfill **Malaysian Qualification Framework (MQF)**'s requirement. OBE focuses on student's learning outcomes from their **knowledge, comprehension** and **ability** at the end of the each learning session.

S.C.L

STUDENT CENTERED LEARNING

Student centered learning promote **active participation** from students, two ways communication and group activities.

B.L

BLENDED LEARNING

Combining digital learning tools with more traditional classroom face to face teaching.



SPMP



CIDOS



TEAMS



MEET



6

COMPUTER LABORATORIES

Each labs equipped with the latest model high-end desktop computers for 40 students and 1 lecturer computer. Various software and tools installed based on syllabus to facilitate students comprehension. LED projector is available to assist delivery purposes and completed with internet connection.

9

CLASSROOMS

Each classroom can allocate 40 students with spacious group activity area. LED projector is available to assist delivery purposes and completed with WIFI internet connection.

1

TECC ROOM

Technology Enable Collaborative Classroom is the latest high-end learning space. It is conceptualized the future teaching and learning environment with multiple collaborative tool to support

1

MAIN LECTURE HALL

Knows as Dewan Kuliah Utama@Dewan Sri Muadzam, it a gigantic lecture classroom that fits more than 600 students. Equipped with flip chair, LED projector, PA sound system, spotlight and internet connection.

FEATURES





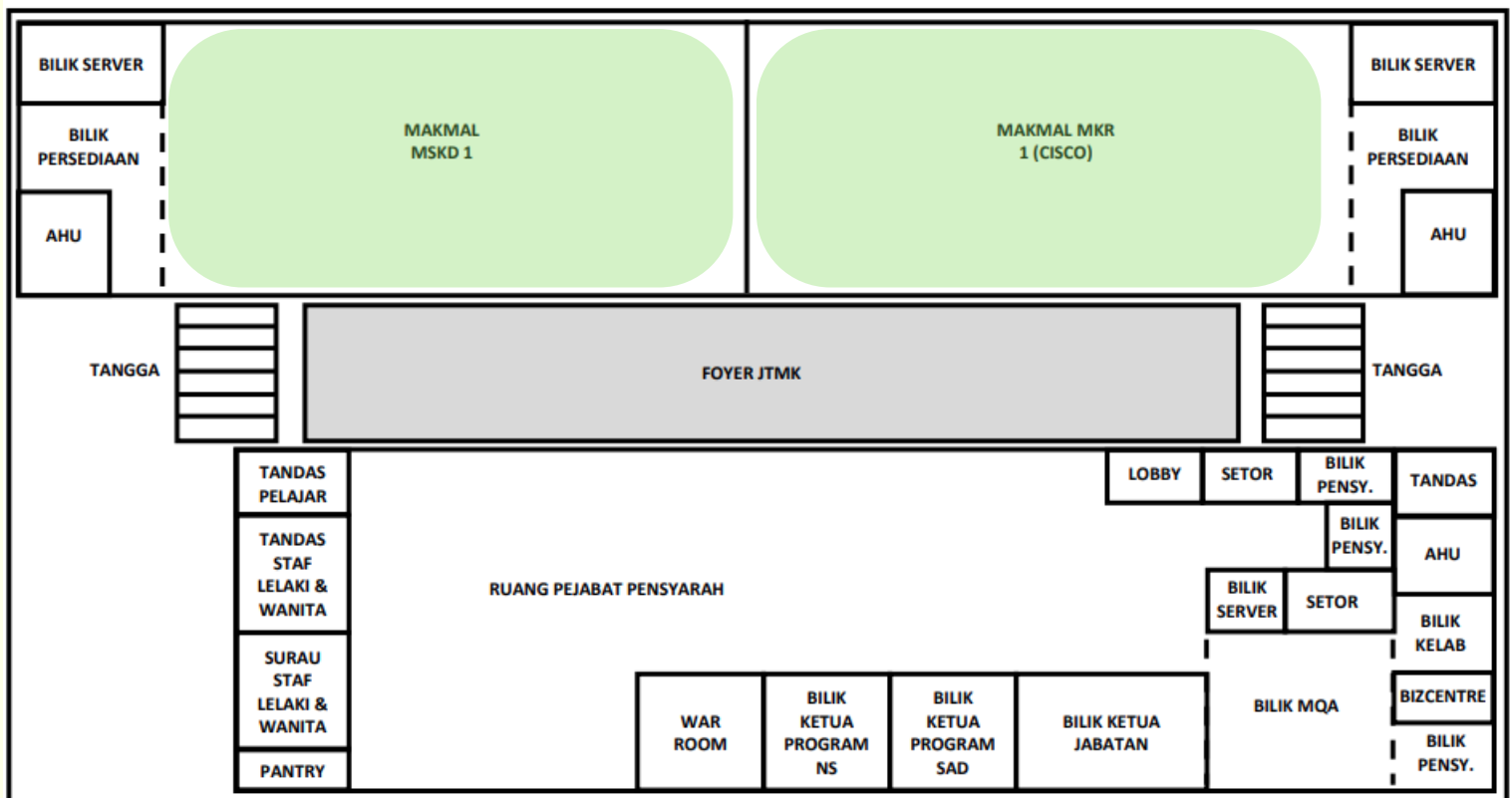
JTMK COMPUTER LAB & CLASSROOM BUILDING PLAN

6

COMPUTER LABORATORIES - GROUND FLOOR

- MSKD1 and MKR1

LAB AVAILABLE FOR CLASS PURPOSES





JTMK COMPUTER LAB & CLASSROOM BUILDING PLAN

6

COMPUTER LABORATORIES - FIRST FLOOR

- Our computer labs are located in JTMK main building
- MKT1, MKT2, MKR3 and MSKD2

 LAB AVAILABLE FOR CLASS PURPOSES





JTMK COMPUTER LAB & CLASSROOM BUILDING PLAN

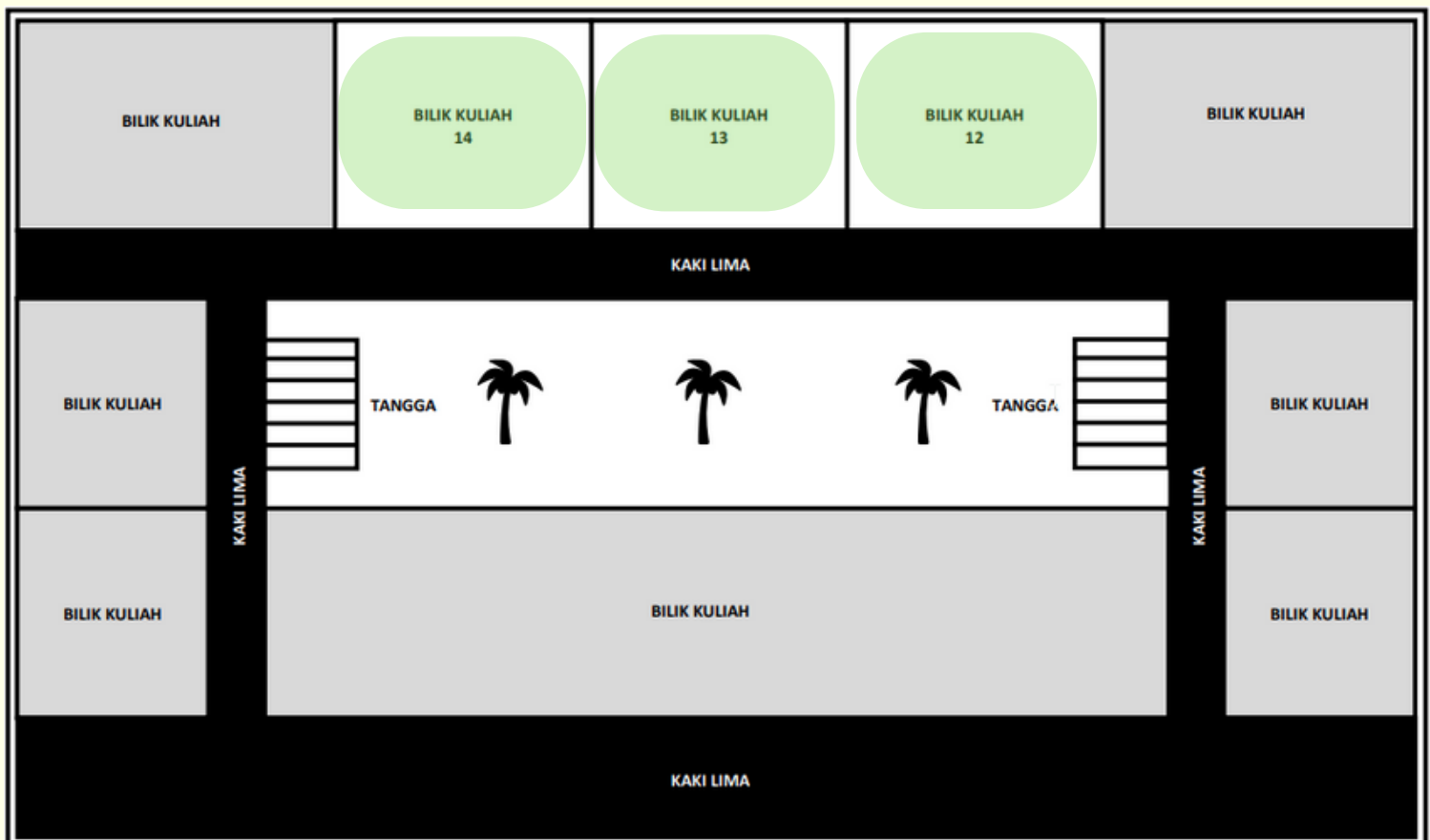


CLASSROOM - FIRST FLOOR

- Our academic classrooms are located at Jabatan Perdagangan's Building
- BK 12, BK 13 and BK 14



AVAILABLE FOR CLASS PURPOSES





JTMK COMPUTER LAB & CLASSROOM BUILDING PLAN

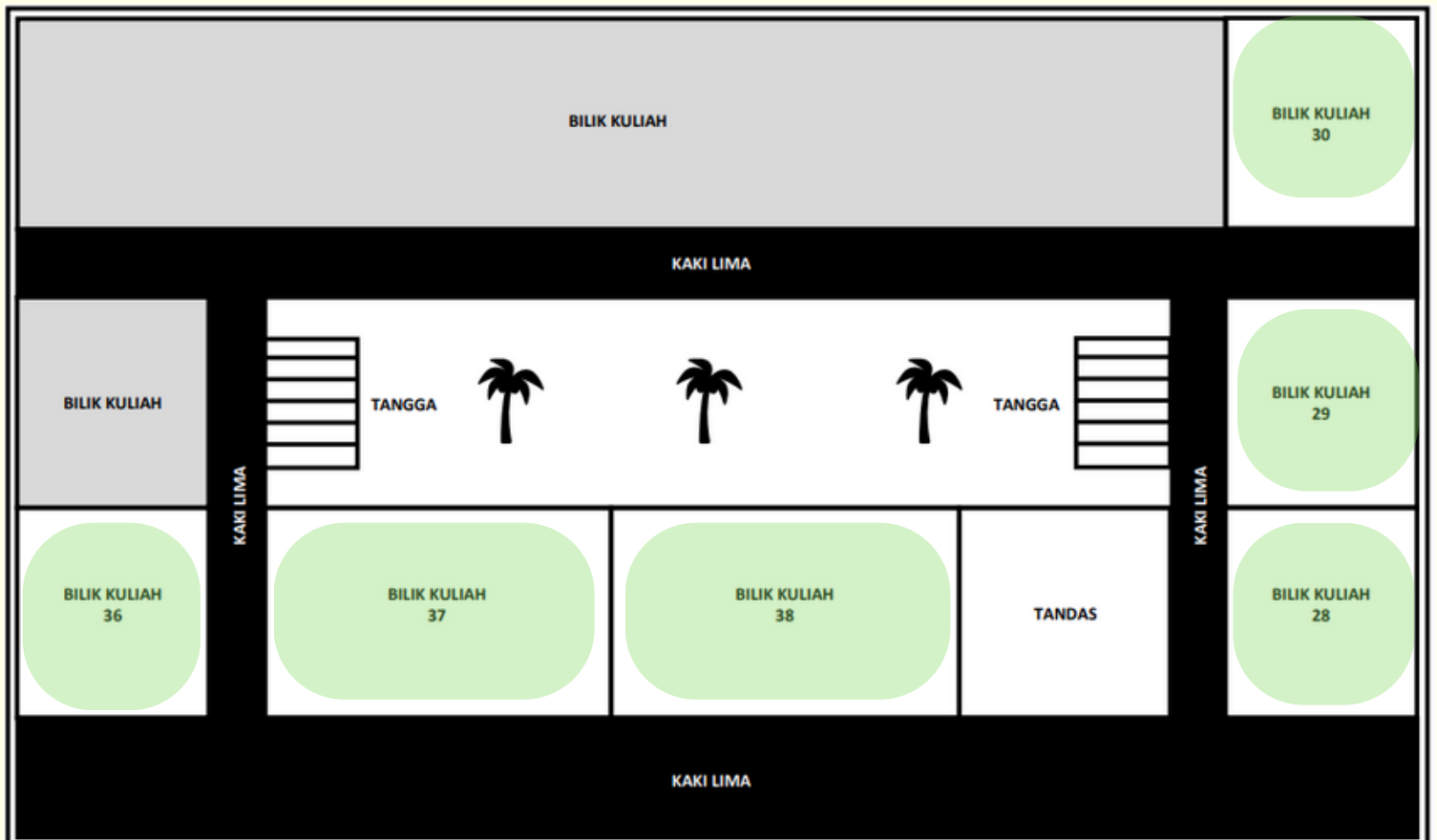


CLASSROOM - SECOND FLOOR

- BK 28, BK 29, BK 30, BK 36, BK 37 and BK 38



AVAILABLE FOR CLASS PURPOSES



PROGRAM DURATION

6 Semester = **3** Years

TRACK SPECIALIZATION

Program Diploma in Information Technology offers different specializations/tracks depending on the Polytechnic. The specialization/track offered in the Department of Information & Communication Technology, Politeknik Muadzam Shah is:

- Trek Software and Application Development (SAD)
- Trek Networking System (NS)

IMPORTANT NOTES

1 COMPUTING STANDARD

The requirement for the award of a Diploma is an A grade in the subjects of Bahasa Melayu and Mathematics at the Sijil Pelajaran Malaysia (SPM) level. If a student does not achieve an A grade, then the student must take the following courses:

MPU 22042 Bahasa Kebangsaan A and will be contributed in students Cumulative Grade Average (CGPA)



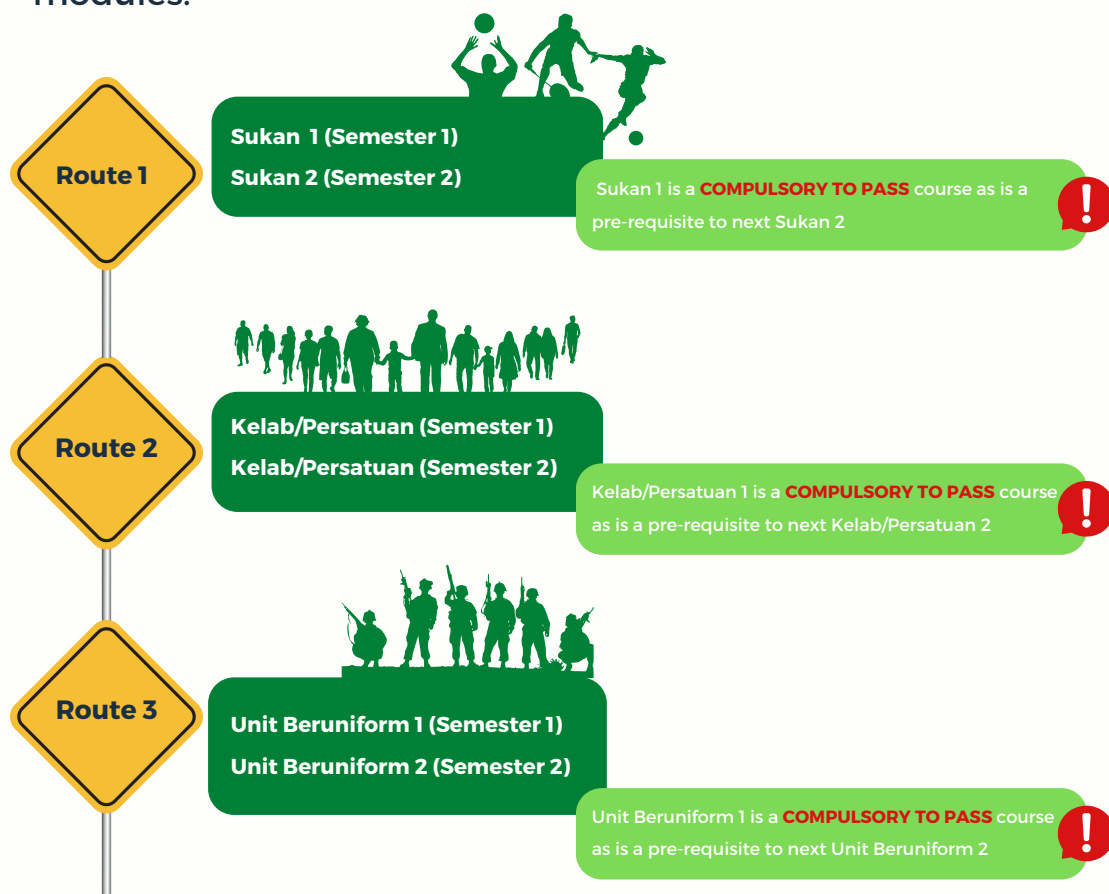
PBM 1014 Basic Mathematics 1 via designated Intervension Program to be held early in the year.



IMPORTANT NOTES

2 COCURRICULUM ROUTES

There are **THREE (3)** routes students to choose for co-curriculum modules.



PROGRAM STRUCTURE

Total Credit Value:


 93

CURRENTLY OFFERED BY

SOFTWARE AND APPLICATION DEVELOPMENT TRACK

- Compulsory course (All students obliged to enroll)
- Core Computing (All DIT students obliged to enroll)
- Discipline Core (All DIT students based on track obliged to enroll)

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 1								
Compulsory	MPU24031	Sukan 1					1	*Satu pilihan sahaja
	MPU24041	Kelab/Persatuan 1	0	2	0	0		
	MPU24XX1	Unit Beruniform 1						
	MPU22153	English for Digital Technology	2	0	2	0		
Core Computing	DBM10143	Calculus and Algebra	2	0	2	0	3	
	DFC10263	Computer Architecture	2	2	0	0	3	
	DFC10273	Operating Systems	2	2	0	0	3	
Discipline Core	DFC10252	Problem Solving and Program Design	2	1	0	0	2	
	DFT10173	Introduction to Computer System	2	2	0	0	3	
Total Contact Hour			12	9	4	0		
TOTAL			25				18	

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite
			L	P	T	O		
SEMESTER 2								
Compulsory	MPU23162	Pengajian Islam	1	0	2	0	2	*Satu pilihan sahaja
	MPU23272	Pendidikan Moral						
	MPU24051	Sukan 2					1	MPU24031
	MPU24061	Kelab/Persatuan 2	0	2	0	0		MPU24041
	MPU24XX1	Unit Beruniform 2						MPU24XX1
Core Computing	DBM20153	Discrete Mathematics	2	0	2	0	3	
	DFC20283	Database Fundamentals	2	2	0	0	3	
	DFC20293	Network and Data Communication	2	3	0	0	3	
	DFC20303	Programming Fundamentals	2	2	0	0	3	DFC10252
	DFC20313	Cybersecurity Fundamentals	2	3	0	0	3	
Total Contact Hour			11	12	4	0		
TOTAL			27				18	

SAD TRACK PROGRAM STRUCTURE

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 3								
Compulsory	MPU21072	Penghayatan Etika dan Peradaban	1	0	2	0	2	
Core Computing	DFC30323	Statistics and Probability	2	2	0	0	3	
	DFC30333	Ethics in Computing	2	3	0	0	3	
Discipline Core	DFT30183	Cyberpreneurship	1	4	0	0	3	
	DFP30313	Digital Multimedia	1	4	0	0	3	
	DFP30323	Object Oriented Programming	2	3	0	0	3	DFC20303
Total Contact Hour			9	16	2	0		
TOTAL			27				17	

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 4								
Core Computing	DFC40343	System Analysis and Design Fundamentals	2	2	0	0	3	
Discipline Core	DFP40333	Full Stack Web Development	1	4	0	0	3	DFC20283
	DFP40343	Visual Basic Programming	1	4	0	0	3	
	DFP40353	Mobile Application Development	1	3	0	0	3	DFP30323
	DFP40362	Business Intelligence	1	2	0	0	2	DFC20283
	DFP40373	Database Administration	1	3	0	0	3	DFC20283
Total Contact Hour			7	18	0	0		
TOTAL			25				17	

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 5								
Compulsory	MPU22071	Kursus Integriti dan Anti Rasuah (KIAR)	0	0	2	0	1	
Discipline Core	DFP50383	Integrative Programming Technologies	1	4	0	0	3	DFP30323
	DFP50393	Python Programming	2	3	0	0	3	DFC20303
	DFP50403	Java Web Development	1	4	0	0	3	DFC20283, DFP30323
Project	DFT50194	Integrated Project	2	3	0	0	4	ALL CORE COMPUTING COURSES
Total Contact Hour			6	14	2	0		
TOTAL			22				14	

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 6								
Industrial Training	DUT60019	Industrial Training	0	0	0	0	9	
Total Contact Hour			0	0	0	0		
TOTAL			0				9	

 Total Credit
Value:



PROGRAM STRUCTURE

Total Credit Value:

93

CURRENTLY OFFERED BY

NETWORKING SYSTEM TRACK

- Compulsory course (All students obliged to enroll)
- Core Computing (All DIT students obliged to enroll)
- Discipline Core (All DIT students based on track obliged to enroll)

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 1								
Compulsory	MPU24031	Sukan 1					1	*Satu pilihan sahaja
	MPU24041	Kelab/Persatuan 1	0	2	0	0		
	MPU24XX1	Unit Beruniform 1						
	MPU22153	English for Digital Technology	2	0	2	0		
Core Computing	DBM10143	Calculus and Algebra	2	0	2	0	3	
	DFC10263	Computer Architecture	2	2	0	0	3	
	DFC10273	Operating Systems	2	2	0	0	3	
Discipline Core	DFC10252	Problem Solving and Program Design	2	1	0	0	2	
	DFT10173	Introduction to Computer System	2	2	0	0	3	
Total Contact Hour			12	9	4	0		
TOTAL			25				18	

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 2								
Compulsory	MPU23162	Pengajian Islam	1	0	2	0	2	*Satu pilihan sahaja
	MPU23272	Pendidikan Moral						
	MPU24051	Sukan 2						
	MPU24061	Kelab/Persatuan 2	0	2	0	0		
	MPU24XX1	Unit Beruniform 2						
Core Computing	DBM20153	Discrete Mathematics	2	0	2	0	3	
	DFC20283	Database Fundamentals	2	2	0	0	3	
	DFC20293	Network and Data Communication	2	3	0	0	3	
	DFC20303	Programming Fundamentals	2	2	0	0	3	DFC10252
	DFC20313	Cybersecurity Fundamentals	2	3	0	0	3	
Total Contact Hour			11	12	4	0		
TOTAL			27				18	

NS TRACK PROGRAM STRUCTURE

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 3								
Compulsory	MPU21072	Penghayatan Etika dan Peradaban	1	0	2	0	2	
Core Computing	DFC30323	Statistics and Probability	2	2	0	0	3	
	DFC30333	Ethics in Computing	2	3	0	0	3	
Discipline Core	DFT30183	Cyberpreneurship	1	4	0	0	3	
	DFN30373	Switching Essentials	2	3	0	0	3	DFC20293
	DFN30383	Open Source Operating System	2	3	0	0	3	DFC10273
Total Contact Hour			10	15	2	0		
TOTAL			27				17	

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 4								
Core Computing	DFC40343	System Analysis and Design Fundamentals	2	2	0	0	3	
Discipline Core	DFN40393	Routing Essentials	1	4	0	0	3	DFN30373
	DFN40403	Windows Server Administration	1	4	0	0	3	DFC10273
	DFN40413	Network Security	1	4	0	0	3	DFC20293
	DFN40422	Embedded Internet Of Things (IOT)	1	3	0	0	2	
	DFN40433	Structured Cabling In Networking	1	4	0	0	3	
Total Contact Hour			7	21	0	0		
TOTAL			28				17	

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 5								
Compulsory	MPU22071	Kursus Integriti dan Anti Rasuah (KIAR)	0	0	2	0	1	
Discipline Core	DFN50443	Enterprise Network	1	4	0	0	3	
	DFN50453	Open Source Server Administration	1	4	0	0	3	DFN30383
	DFN50463	Network Administration Management	1	4	0	0	3	
Project	DFT50194	Integrated Project	2	3	0	0	4	ALL CORE COMPUTING COURSES
Total Contact Hour			5	15	2	0		
TOTAL			22				14	

Classification	Course Code	Course Name	Contact Hour				Credit Values	Pre-requisite Remark
			L	P	T	O		
SEMESTER 6								
Industrial Training	DUT60019	Industrial Training	0	0	0	0	9	
Total Contact Hour			0	0	0	0		
TOTAL			0				9	

 Total Credit
Value:

93

COURSE SYNOPSIS

6 COMPULSORY COURSE

NO	CODE & NAME	SYNOPSIS
1.	MPU24031 SUKAN 1 (OPSYEN)	<p>Adalah aktiviti yang mengandungi latihan kemahiran berguna secara rekreasi dan peraturan-peraturan tertentu dalam mengejar kecemerlangan bagi penguasaan pengetahuan dan kemahiran khusus secara holistik bagi mengukuhkan pembentukan kemahiran insaniah pelajar yang positif.</p> <p>CONTACT HOUR : 2 HOURS/WEEK PRE-REQUISITE COURSE FOR : SUKAN 2</p>
	MPU24041 KELAB/ PERSATUAN 1 (OPSYEN)	<p>Memfokuskan kepada penguasaan pengetahuan dan kemahiran khusus secara holistik bagi mengukuhkan pembentukan kemahiran insaniah pelajar yang positif.</p> <p>CONTACT HOUR : 2 HOURS/WEEK PRE-REQUISITE COURSE FOR : KELAB/PERSATUAN 2</p>
	MPU24XX1 UNIT BERUNIFORM 1 (OPSYEN)	<p>Memfokuskan kepada penguasaan pengetahuan dan kemahiran khusus secara holistik bagi mengukuhkan pembentukan kemahiran insaniah pelajar yang positif.</p> <p>CONTACT HOUR : 2 HOURS/WEEK PRE-REQUISITE COURSE FOR : KELAB/PERSATUAN 2</p>
2.	MPU22153 ENGLISH FOR DIGITAL TECHNOLOGY	<p>Emphasizes the skills required at the workplace to describe products or services as well as processes or procedures related to Digital Technology. This course will also enable students to make and reply to enquiries and complaints related to the field of Digital Technology.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

COMPULSORY COURSE

NO	KOD & KURSUS	SINOPSIS
3.	MPU23162 PENGAJIAN ISLAM (OPSYEN)	<p>Disediakan untuk melahirkan warganegara yang faham tasawwur (konsep) Islam sebagai satu cara hidup yang bersepadu dan seimbang serta berupaya menghadapi pelbagai masalah dan cabaran. Perbincangan berasaskan kepada konsep-konsep asas Islam, Islam sebagai cara hidup, institusi Islam dan cabaran semasa.</p> <p>CONTACT HOUR : 3 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
	MPU23272 PENDIDIKAN MORAL (OPSYEN)	<p>Memberi pengetahuan tentang konsep asas moral untuk diamalkan. Selain itu, kursus ini juga menjelaskan etika individu yang bermoral dan bertanggungjawab serta isu-isu moral yang mempengaruhi pembentukan negara dan masyarakat</p> <p>CONTACT HOUR : 3 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
4.	MPU24051 SUKAN 2 (OPSYEN)	<p>Adalah aktiviti yang mengandungi latihan kemahiran berguna secara rekreasi dan peraturan-peraturan tertentu dalam mengejar kecemerlangan bagi penguasaan pengetahuan dan kemahiran khusus secara holistik bagi mengukuhkan pembentukan kemahiran insaniah pelajar yang positif.</p> <p>CONTACT HOUR : 2 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
	MPU24061 KELAB/ PERSATUAN 2 (OPSYEN)	<p>Memfokuskan kepada penguasaan pengetahuan dan kemahiran khusus secara holistik bagi mengukuhkan pembentukan kemahiran insaniah pelajar yang positif.</p> <p>CONTACT HOUR : 2 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
	MPU24XX1 UNIT BERUNIFORM 2 (OPSYEN)	<p>Memfokuskan kepada penguasaan pengetahuan dan kemahiran khusus secara holistik bagi mengukuhkan pembentukan kemahiran insaniah pelajar yang positif.</p> <p>CONTACT HOUR : 2 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

COMPULSORY COURSE

NO	KOD & KURSUS	SINOPSIS
5.	MPU21072 PENGHAYATAN ETIKA DAN PERADABAN	<p>Menjelaskan tentang konsep etika daripada perspektif peradaban yang berbeza. Ia bertujuan bagi mengenalpasti sistem, tahap perkembangan, kemajuan dan kebudayaan merentas bangsa dalam mengukuhkan kesepaduan sosial. Selain itu, perbincangan dan perbahasan berkaitan isu-isu kontemporari dalam aspek ekonomi, politik, sosial, budaya dan alam sekitar daripada perspektif etika dan peradaban dapat melahirkan pelajar yang bermoral dan profesional. Penerapan amalan pendidikan berimpak tinggi (HIEPs) yang bersesuaian digunakan dalam penyampaian kursus ini</p> <p>CONTACT HOUR : 3 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
6.	MPU22071 KURSUS INTEGRITI DAN ANTI RASUAH (KIAR)	<p>Kursus ini merangkumi konsep asas tentang nilai integriti, bentuk perbuatan rasuah dan salah guna kuasa dalam kehidupan seharian serta dalam organisasi, dan langkah-langkah pencegahan rasuah.</p> <p>CONTACT HOUR : 2 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

COURSE SYNOPSIS

11

CORE COMPUTING COURSE

NO	CODE & NAME	SYNOPSIS
1.	DBM10143 CALCULUS AND ALGEBRA	<p>This course focuses on applied number theory in practical computing scenarios. This course also determines solutions of graphical examples using geometry and vector methods and evaluates problems concerning differential and integral calculus.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
2.	DBM20153 DISCRETE MATHEMATICS	<p>Introducing students to computational mathematics. This course focuses on examining set theory and functions applicable to software engineering, as well as analyzing mathematical structures of objects using graph theory. This course also investigates solutions to problems situations using application of Boolean algebra and explores applicable concepts within abstract algebra that are related to the information technology programmed.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
3.	DFC10263 COMPUTER ARCHITECTURE	<p>This course introducing overall of a computer system, computer systems organization, low level programming and the hardware/ software interfaces. The organization of the components in the computer architecture which make up a computer system and the meaning of the operations which guide its function. It defines what is seen on the machine interface, which is targeted by programming languages and their compilers. It is the basic computer machinery skills needed to progress to the next level of computer system. Continuation of foundational knowledge in computer system and technology which is a part of the requirement in the body of knowledge in Information Technology field.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

CORE COMPUTING COURSE

NO	CODE & NAME	SYNOPSIS
4.	DFC10273 OPERATING SYSTEMS	<p>This course introduces system software that manages computer hardware, software resources, and provides services for computer programs. This course will cover briefly the evolution and major components of operating system. It emphasis based on four major subsystems; memory management, processes management, file systems and mobile devices operating system to run applications and programs.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : OPEN SOURCE OPERATING SYSTEM, WINDOWS SERVER ADMINISTRATION AND INTEGRATED PROJECT</p>
5.	DFC20283 DATABASE FUNDAMENTALS	<p>This course introduces system software that manages computer hardware, software resources, and provides services for computer programs. This course will cover briefly the evolution and major components of operating system. It emphasis based on four major subsystems; memory management, processes management, file systems and mobile devices operating system to run applications and programs.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : FULL STACK WEB DEVELOPMENT, BUSINESS INTELLIGENCE, DATABASE ADMINISTRATION, JAVA WEB DEVELOPMENT AND INTEGRATED PROJECT</p>
6.	DFC20293 NETWORK AND DATA COMMUNICATION	<p>This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. This course also explains the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Students will be able to design simple Local Area Networks (LAN), perform basic configurations for routers and switches, troubleshoot connectivity issue and implement IP addressing schemes.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : SWITCHING ESSENTIALS, NETWORK SECURITY AND INTEGRATED PROJECT</p>
7.	DFC20303 PROGRAMMING FUNDAMENTALS	<p>This course introduces the fundamental concepts of structured programming and provides a comprehensive introduction to programming for Information Technology majors. Topics include data types, control structures, pointer, structure, functions, arrays and the mechanics of running, testing and debugging. Practical lab sessions will help to develop the skills required to identify the best data and program constructs to solve well-defined problems.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : OBJECT-ORIENTED PROGRAMMING, PYTHON PROGRAMMING AND INTEGRATED PROJECT</p>

CORE COMPUTING COURSE

NO	CODE & NAME	SYNOPSIS
8.	DFC20313 CYBERSECURITY FUNDAMENTALS	<p>This course introduces students to the current cybersecurity threats and hazards. This course provides students with a foundational understanding of information security theory, basic principles, and techniques for designing secure systems. Students will explore principles and best practices in environmentally sustainable secure computing and learn to utilize appropriate tools and technologies for managing information system environments</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : INTEGRATED PROJECT</p>
9.	DFC30323 STATISTICS AND PROBABILITY	<p>This course introduces students to the current cybersecurity threats and hazards. This course provides students with a foundational understanding of information security theory, basic principles, and techniques for designing secure systems. Students will explore principles and best practices in environmentally sustainable secure computing and learn to utilize appropriate tools and technologies for managing information system environments</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : INTEGRATED PROJECT</p>
10.	DFC30333 ETHICS IN COMPUTING	<p>This course provides students with the knowledge of philosophical bases for computer ethics and social issues. This course explains the reliability and safety of computer systems, protecting software and other intellectual property. The course describes privacy and information issues and strategies on the impact and control of computer technology. Upon completion, students should be able to apply professional codes of ethics.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : INTEGRATED PROJECT</p>
11.	DFC40343 SYSTEM ANALYSIS AND DESIGN FUNDAMENTALS	<p>This course provides students with the knowledge of philosophical bases for computer ethics and social issues. This course explains the reliability and safety of computer systems, protecting software and other intellectual property. The course describes privacy and information issues and strategies on the impact and control of computer technology. Upon completion, students should be able to apply professional codes of ethics.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : INTEGRATED PROJECT</p>

DISCIPLINE CORE COURSE

13

COURSES IN THE SYSTEM AND APPLICATION DEVELOPMENT (SAD) TRACK

13

COURSES IN THE ETWORKING SYSTEM (NS) TRACK

NO	CODE & NAME	SYNOPSIS
1.	<p>DFC10252 PROBLEM SOLVING AND PROGRAM DESIGN</p> <p>OFFERING TRACK:</p> <ul style="list-style-type: none"> • SAD • NS 	<p>This course introduces the techniques in problem solving and program design. The concepts learned in this course can be applied to many of the real life problems which can be solved by writing computer programs. A multiphase program development life cycle and two basic phases of problem solving and program design are emphasized. Problem analysis and the stepwise specification of the algorithms, pseudo code and flow chart are also defined.</p> <p>CONTACT HOUR : 3 HOURS/WEEK PRE-REQUISITE COURSE FOR : PROGRAMMING FUNDAMENTALS</p>
2.	<p>DFT10173 INTRODUCTION TO COMPUTER SYSTEM</p> <p>OFFERING TRACK:</p> <ul style="list-style-type: none"> • SAD • NS 	<p>This course introduces students to the hardware, software and fundamental of Information Technology(IT) knowledge and skills necessary for ICT professionals. This course covers the study of personal computer(PC) and mobile devices hardware including PC and mobile devices assembly, installing and connecting peripherals. Student will learn hardware troubleshooting techniques to identify and rectify computer faults using appropriate devices.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
3.	<p>DFT30183 CYBERPRENEURSHIP</p> <p>OFFERING TRACK:</p> <ul style="list-style-type: none"> • SAD • NS 	<p>This course provides a broad overview of the role of entrepreneurial thinking and innovation in advancing IT-focused businesses. This student will examine how these skills can be leveraged to create new IT-driven businesses as well as to create competitive advantage for existing businesses via new IT products and services. Students will be introduced to concepts, tools, and principles of business management including business strategy, finance, marketing, human resources, and leadership within the context of IT business models.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
4.	<p>DFP30313 DIGITAL MULTIMEDIA</p> <p>OFFERING TRACK:</p> <ul style="list-style-type: none"> • SAD 	<p>This course covers multimedia concepts and applications utilizing text, graphics, animation, sound, video, and various multimedia applications in the design, development, and creation of multimedia presentations and publications within an interactive environment. Students will explore the use of multimedia tools in designing and authoring interactive digital media</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

DISCIPLINE CORE COURSE

13

COURSES IN THE SYSTEM AND APPLICATION DEVELOPMENT (SAD) TRACK

13

COURSES IN THE ETWORKING SYSTEM (NS) TRACK

NO	CODE & NAME	SYNOPSIS
5.	<p>DFP30323 OBJECT-ORIENTED PROGRAMMING</p> <p>OFFERING TRACK: • SAD</p>	<p>This course covers multimedia concepts and applications utilizing text, graphics, animation, sound, video, and various multimedia applications in the design, development, and creation of multimedia presentations and publications within an interactive environment. Students will explore the use of multimedia tools in designing and authoring interactive digital media</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : MOBILE APPLICATION DEVELOPMENT, INTEGRATIVE PROGRAMMING TECHNOLOGIES AND JAVA WEB DEVELOPMENT</p>
6.	<p>DFN30373 SWITCHING ESSENTIALS</p> <p>OFFERING TRACK: • NS</p>	<p>This course introduces students to the equipment, applications, and protocols in a small, switched networks. The course provides knowledge on Inter-VLAN dynamic routing protocols which includes VLSM, VLANs and Dynamic Trunking Protocol (DTP). Students also learn about the Spanning Tree Protocol and link aggregation concepts through the introduction of EtherChannel. Students' skills are developed through hands-on exercises in the laboratory on configuration, installation and troubleshooting a network</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : ROUTING ESSENTIALS AND NETWORK SECURITY</p>
7.	<p>DFN30383 OPEN SOURCE OPERATING SYSTEM</p> <p>OFFERING TRACK: • NS</p>	<p>This course is an introductory course in which, students will learn and familiarize with the open source environment. Installation, configuration and management of Linux operating systems are explored. Focus on filesystem management, user and group accounts management, and common administrative tasks. This course is ideal for beginners to learn the Linux command line but it is also recommended for intermediate and advanced users.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : OPEN SOURCE SERVER ADMINISTRATION</p>
8.	<p>DFP40362 BUSINESS INTELLIGENCE</p> <p>OFFERING TRACK: • SAD</p>	<p>This course is designed to emphasize the classification of specific technologies for collecting, storing, analyzing and giving the best option for enterprise users to make better decisions. It consists of Extract, Transform and Load (ETL), data manipulation, data visualization and reporting useful to help enterprise users to make the best decision for their business.</p> <p>CONTACT HOUR : 3 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

DISCIPLINE CORE COURSE

13

COURSES IN THE SYSTEM AND APPLICATION DEVELOPMENT (SAD) TRACK

13

COURSES IN THE ETWORKING SYSTEM (NS) TRACK

NO	CODE & NAME	SYNOPSIS
9.	<p>DFP40343 VISUAL BASIC PROGRAMMING</p> <p>OFFERING TRACK: • SAD</p>	<p>This course provides students with the knowledge and skills needed to develop applications in Microsoft Visual Studio for the IDE platform. The course focuses on Graphical User Interface (GUI), programming structure, language syntax, and integration database with ADO.NET in VB.NET application development. This course introduces computer programming using the VB Programming language with object-oriented programming principles. Emphasis is on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug and secure coding in Visual Basic program.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
10.	<p>DFP40353 MOBILE APPLICATION DEVELOPMENT</p> <p>OFFERING TRACK: • SAD</p>	<p>This course introduces mobile application development for the Android platform. Android is a software stack for mobile devices that includes an operating system, middleware and key applications. The Android SDK provides the tools and APIs necessary to begin developing applications on the Android platform using the Java or Kotlin programming languages. Students will learn how to create Android applications using Android Studio modules and deploy the developed apps appropriately. Topics will include Android Development Environment, user interfaces, audio, graphics, data persistence, local and remote storage and apps deployment.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
11.	<p>DFP40333 FULL STACK WEB DEVELOPMENT</p> <p>OFFERING TRACK: • SAD</p>	<p>This course is designed to equipped students with the essential skills needed to create dynamic, interactive, and responsive websites and web applications. Students will learn the fundamentals of HTML, CSS, JavaScript, MySQL and PHP while harnessing the power of Bootstrap, a popular front-end framework. Throughout the course, they will master the art of crafting modern and visually appealing web interfaces, implementing interactive elements, and seamlessly integrating back-end functionality. By the end of the course, students will have the confidence to design, develop, and deploy feature-rich web projects efficiently, making them proficient in the fast-paced world of web development.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

DISCIPLINE CORE COURSE

13

COURSES IN THE SYSTEM AND APPLICATION DEVELOPMENT (SAD) TRACK

13

COURSES IN THE ETWORKING SYSTEM (NS) TRACK

NO	CODE & NAME	SYNOPSIS
12.	<p>DFP40373 DATABASE ADMINISTRATION</p> <p>OFFERING TRACK: • SAD</p>	<p>This course offers a comprehensive introduction to Oracle Database management. It equips students with essential skills for efficiently managing and safeguarding data within Oracle Database environments. Throughout the course, students will engage in practical exercises and hands-on labs to reinforce theoretical concepts. Upon completion, students will be well-prepared to embark on careers as capable Oracle Database administrators, possessing the knowledge and skills needed to effectively manage, secure, and maintain these critical data platforms.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
13.	<p>DFN40393 ROUTING ESSENTIALS</p> <p>OFFERING TRACK: • NS</p>	<p>This course introduces students to the architecture, components, and operations of routers in larger and more complex networks. Students learn how to configure routers for advanced functionality. By the end of this course, students will be able to configure, troubleshoot and demonstrate routers and resolve common issues with DHCP, FHRP, routing concepts, static route and OSPF in both IPv4 and IPv6 networks.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
14.	<p>DFN40403 WINDOWS SERVER ADMINISTRATION</p> <p>OFFERING TRACK: • NS</p>	<p>This course designed to provide students with valuable skills on configuring and managing Windows Server network. Students will acquire knowledge in Windows Server networking, including DNS configuration, DHCP configuration, remote access and distributed network solutions in Windows Server environment.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
15.	<p>DFN40413 NETWORK SECURITY</p> <p>OFFERING TRACK: • NS</p>	<p>This course is designed to helps students develop the skills needed for entry-level network security career opportunities. It provides a theoretically rich, hands-on introduction to network security, in a logical sequence driven by technologies. It also provide an in-depth, theoretical understanding of network security, provide knowledge and skills necessary to design and support network security, provide an experience-oriented course that employs industry-relevant instructional approaches to prepare for entry-level jobs in the industry, and to have significant hands-on interaction with IT equipment to prepare for exams and career opportunities.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

DISCIPLINE CORE COURSE

13

COURSES IN THE SYSTEM AND APPLICATION DEVELOPMENT (SAD) TRACK

13

COURSES IN THE ETWORKING SYSTEM (NS) TRACK

NO	CODE & NAME	SYNOPSIS
16.	<p>DFN40422 EMBEDDED INTERNET OF THINGS (IoT)</p> <p>OFFERING TRACK: • NS</p>	<p>This course provides students with a comprehensive understanding of the Internet of Things (IoT). It develops foundational skills using hands-on lab activities that stimulate the students in applying creative problem-solving and rapid prototyping in the interdisciplinary domain of electronics, networking, security, and business. The student-centric approach translates into the student being able to ideate, design, prototype and present an IoT solution for an identified business or society need.</p> <p>CONTACT HOUR : 4 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
17.	<p>DFN40433 STRUCTURED CABLING IN NETWORKING</p> <p>OFFERING TRACK: • NS</p>	<p>This course provides a comprehensive understanding of network structured cabling systems, including the design, installation, and maintenance of cabling infrastructure for data, voice, and video communication networks. This includes different cabling standards, cable types, installation techniques, and best practices for creating efficient and reliable network connections.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
18.	<p>DFP50383 INTEGRATIVE PROGRAMMING TECHNOLOGIES</p> <p>OFFERING TRACK: • SAD</p>	<p>This course introduces students to the knowledge of Graphical User Interface (GUI) programming in Java. This course addresses the creation of interactive GUIs through standalone front-end applications. This course primarily focuses on the Swing and Abstract Window Toolkit (AWT) library with addition of Java Database Connectivity (JDBC) API. The application of the libraries will equips students with knowledge in the development of database applications solutions.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
19.	<p>DFP503393 PYTHON PROGRAMMING</p> <p>OFFERING TRACK: • SAD</p>	<p>This course introduces with the knowledge and skills needed to develop applications using Python with structured and Object Oriented Programming technique. Upon completion, students should be able to design and code a program, understand file and directory handling, design Graphical User Interface (GUI) which integrate with database using Python Programming.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

DISCIPLINE CORE COURSE

13

COURSES IN THE SYSTEM AND APPLICATION DEVELOPMENT (SAD) TRACK

13

COURSES IN THE ETWORKING SYSTEM (NS) TRACK

NO	CODE & NAME	SYNOPSIS
20.	<p>DFP50403 JAVA WEB DEVELOPMENT</p> <p>OFFERING TRACK: • SAD</p>	<p>This course explores web technologies, Java EE, and fundamental web application principles. Students will gain skills in creating dynamic web pages using Java Server Pages (JSP), establishing database connections through JDBC and ensuring secure web application deployment. Upon completion, they will be proficient in developing powerful Java-based web applications.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
21.	<p>DFN50443 ENTERPRISE NETWORK</p> <p>OFFERING TRACK: • NS</p>	<p>This course introduces students to the operation of enterprise WAN technology protocols in a large and complex network. The course enables students to understand the selection criteria of WAN Technologies to meet network requirements. Students learn how to configure and troubleshoot routers for advanced enterprise networking and resolve common issues in global multi-area network.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
22.	<p>DFN50453 OPEN SOURCE SERVER ADMINISTRATION</p> <p>OFFERING TRACK: • NS</p>	<p>This course is designed to provide students with skills on managing servers used to administer Campus Area Network (CAN) and network services needed. Students will acquire knowledge and skills in using Linux to configure services for Campus Area Network (CAN) environment.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>
23.	<p>DFN50463 NETWORK ADMINISTRATION MANAGEMENT</p> <p>OFFERING TRACK: • NS</p>	<p>This course introduces students to the principles of managing network infrastructure. Student will explore the fusion of network management, automation, and risk mitigation in modern IT environments. Students will gain hands-on skills in managing networks infrastructure systematically, automating routine tasks, and evaluating and mitigating risks associated with network operations. Student will be equipped with the skills needed to monitor network performance, manage configurations, troubleshoot issues, and start automating routine tasks using scripting and automation frameworks.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

FINAL YEAR PROJECT

NO	CODE & NAME	SYNOPSIS
1	DFT50194 INTEGRATED PROJECT OFFERING TRACK: <ul style="list-style-type: none"> • SAD • NS 	<p>This course will give students the practical and design experience of carrying out an independent application software or technical project from project requirements, implementation, testing to delivery and presentation of the project. The course requires students to learn new technologies and encourages students to develop their generic skills such as developing teamwork, project management, communication skills, problem solving skills and technical writing skills. This will inculcate independent and life-long learning.</p> <p>CONTACT HOUR : 5 HOURS/WEEK PRE-REQUISITE COURSE FOR : NONE</p>

INDUSTRIAL TRAINING

NO	CODE & NAME	SYNOPSIS
1	DUT60019 INDUSTRIAL TRAINING OFFERING TRACK: <ul style="list-style-type: none"> • SAD • NS 	<p>Prepares students with employability skills and current industrial technologies in actual working environment. This course allows students to experience the work culture of the workplace as well as provides a platform for students to put into practice the skills and knowledge learnt. The desired attributes include organizational orientation and professional ethics, effective communication, leadership and teamwork, continuous learning and information management, as well as self-management and entrepreneurial mind at the workplace.</p> <p>CONTACT HOUR : 20 WEEKS PRE-REQUISITE COURSE FOR : NONE</p>

COURSE REGISTRATION PROCEDURE

1 REGISTER COURSE

Should be done within SEVEN(7) days immediately after academic session started

2 ADD COURSE

Student is allowed to register/add course between WEEK 3 – WEEK 6

3 DROP COURSE

Student is allowed to drop/remove any courses if necessary between WEEK 3 – WEEK 6

4 CARRY MODULE

Student is allowed to repeat failed course up to TWO(2) times. C1 & C2

5 REVIEW GRADE

Student is allowed to review and improve (upon second check) if score grade is C-, D+ and D (*terms & condition applied)

6 TOTAL CREDIT HOUR

Minimum total credit hours students allowed to carry is 12 and maximum is 20. Higher authority is needed to carry more than that

7 CTCE

Student is allowed to apply for credit transfer and course exemption (CTCE) before WEEK 3

8 TRACK SELECTION

Students is offered to choose preferable track by the end of Semester 2

All these processes should be first consulted by student's Academic Advisor and subjected to the higher authority approval.

EXAMINATION PROCEDURE



PASSING COURSE REQUIREMENT

Final Examination (FE) means the final assessment by the end of the semester.

There are **TWO(2)** types of FE based on the course's syllabus

Each course is assessed as **PASS/FAIL** based on **TWO(2)** elements

Minimum **PASSING** mark for each course is **40%** for CA and minimum **40%** for FE.

Student **IS BARRED** from sitting for Final Examination if he/she **FAILED** the Continuous Assessment.

Students who **FAILED** to attend FE without appropriate reason will be given **F** grade with **0.00** point value

FE - Final Examination

FA- Final Assessment

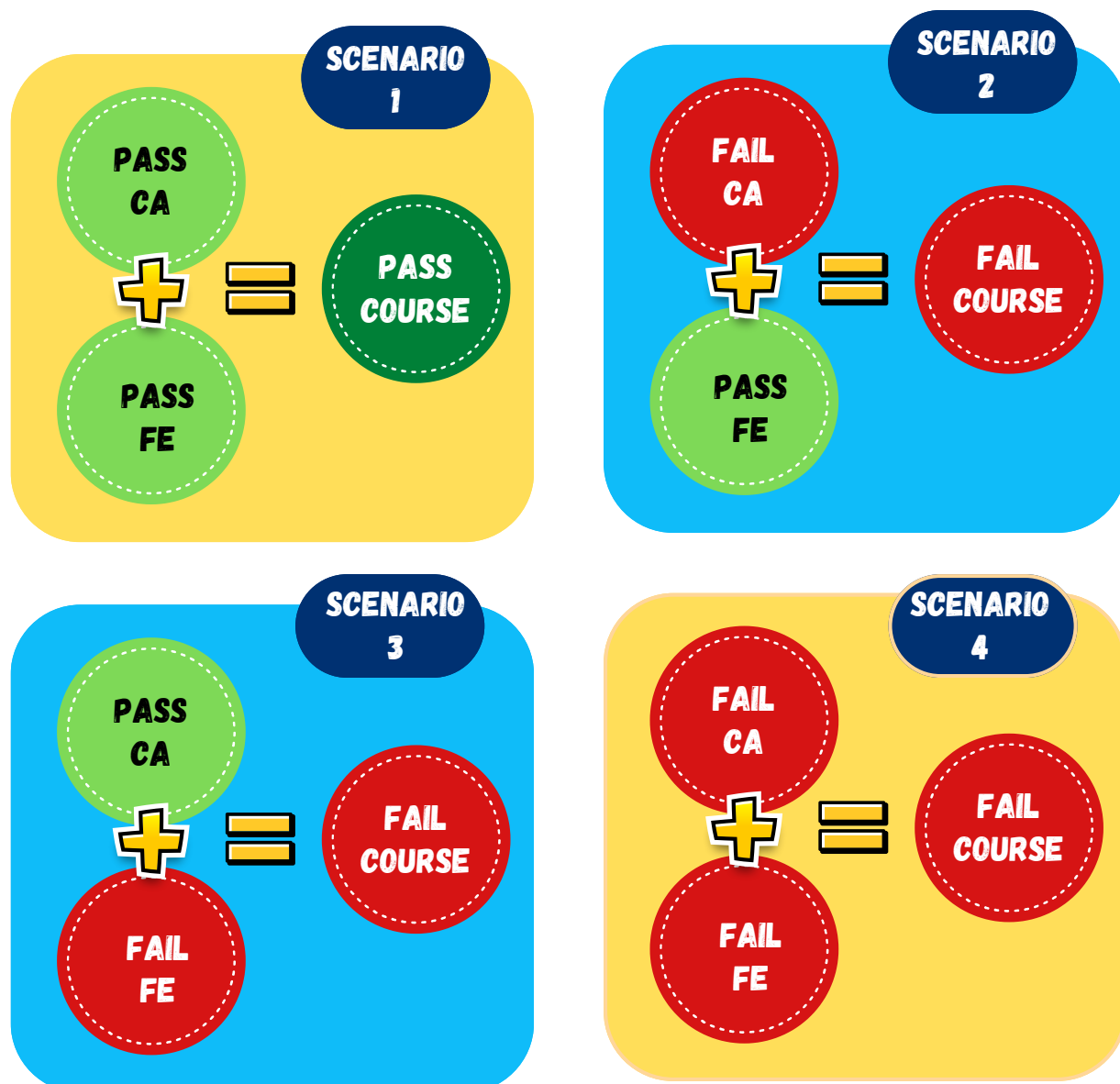
CA - Continous Assessment

FE- Final Examination

It is **COMPULSORY** to **PASS** both CA and FE

EXAMINATION PROCEDURE

PASS AND FAIL SCENARIOS ILLUSTRATION



ORGANIZATION CHART

JTMK MANAGEMENT STAFF

HEAD OF DEPARTMENT



KETUA JABATAN
FAZILAH BINTI ISMAIL
DH48



PEMBANTU TADBIR
(N19/22)
MAZURA BINTI HAMZAH



PEMBANTU MAKMAL
(C19/22)
SAFAWI BIN MD RASID

HEAD OF PROGRAM



KETUA PROGRAM DDT (SAD)
SITI NORHIDAYAH BINTI SAAD
DH44 (M)



KETUA PROGRAM DDT (NS)
NORHIDAYUWATI BINTI ABU HUSIN
DH44



KETUA PROGRAM DIT (SAD)
SITI ZAHARAH BINTI SIDEK
DH44



KETUA PROGRAM DIT (NS)
RIKI RISWANDI BIN ZULBAHRI
DH41

ORGANIZATION CHART

SOFTWARE AND APPLICATION DEVELOPMENT (SAD) TRACK

HEAD OF PROGRAM

DDT



PENSYARAH DH44
Siti Norhidayah Binti Saad

DIT



PENSYARAH DH44
Siti Zaharah Binti Sidek



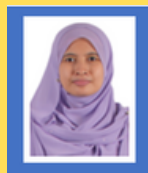
PENSYARAH DH52
Atijah Binti Marsithi



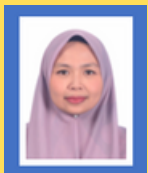
PENSYARAH DH48
Faezah Binti Mohd Sa'ood



PENSYARAH DH48
Noorrohani Binti Ahmad



PENSYARAH DH48
Tengku Diyana Binti Tengku Ibrahim



PENSYARAH DH48
Roziyaliney Binti Muhammad



PENSYARAH DH48
Harzulali Binti Saleh



PENSYARAH DH48
Linawati Binti Razak@Ali



PENSYARAH DH48
Mastura Binti Ramli



PENSYARAH DH48
Azrin Azli Bin Suhaimi



PENSYARAH DH48
Muhammad Azam Bin Jamaluddin



PENSYARAH DH44
Azra Binti Mohammad Amirruddin



PENSYARAH DH44
Mat Sukri Bin Mamat



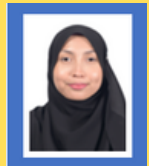
PENSYARAH DH44
Rosuzaini Binti Isa



PENSYARAH DH44
Rosilawati Binti Mohamad



PENSYARAH DH44
Aishah Binti On



PENSYARAH DH44
Nur Dalila Binti Abdullah



PENSYARAH DH44
Nurul Afifah Binti Razali



PENSYARAH DH41
Saiful Bahri Bin Zakaria



PENSYARAH DH41
Muhammad Shukran Iman Bin Shafiee

ORGANIZATION CHART

NETWORKING SYSTEM (NS) TRACK

HEAD OF PROGRAM

DDT



PENSYARAH DH44
Norhidayuwati Binti Abu Husin

DIT



PENSYARAH DH41
Riki Riswandi bin Zulbahri



PENSYARAH DH52
Zaitun Binti Ismail



PENSYARAH DH48
Rafidah Binti Ab Rahman



PENSYARAH DH48
Fatimah Zahra Binti W. Razali



PENSYARAH DH48
Ahmad Zahari Bin Misnan



PENSYARAH DH48
Ab Rashid Bin Atan



PENSYARAH DH48
Asyran Zarizi Bin Abdullah



PENSYARAH DH48
Rafifah Binti Ab Rahman



PENSYARAH DH48
Haris Fadillah Bin Hasan



PENSYARAH DH44
Abdullah Azraai Bin Hasan



PENSYARAH DH44
Nor Syafiqah Binti Abdul Samad



PENSYARAH DH41
Tun Mohd Hatimazwan Bin Tun Mussa



PENSYARAH DH41
Tun Mohd Hatimazwan Bin Tun Mussa

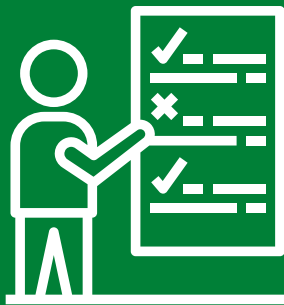


PENSYARAH DH41
Izul Akmal Bin Ahmad Latipi

ACADEMIC ADVISOR

HOW MAY THEY ASSIST YOU?

Also known as Penasihat Akademi (PA) to :



Assist students in comprehending the curriculum, semester system, course registration system, program structure, associated regulations, and examination system, which encompasses the Polytechnic Information Management System (SPMP).

It's crucial to provide accurate guidance and effective academic support to students. If required, it's appropriate to refer the matter to relevant parties who can assist.

Identify and refer students who require special attention, such as psychological support, counseling, or guidance, to the appropriate individuals or resources.

The diligent monitoring of student attendance and progress is a critical element in ensuring academic success. This can be accomplished through various appropriate methods.

STUDENT'S WELFARE

FEELING UNWELL AND NEED FOR HOSPITAL RIDE?



OFFICE HOUR (8.00 AM - 5.00 PM)

You may proceed to **Student's Welfare Unit** and they will assign an officer to assist you to the hospital according to the following time slot for **regular/general medical check-up/treatment**:

- MONDAY to FRIDAY (10.30 AM)
- MONDAY to FRIDAY (2.30 PM)
- FRIDAY (3.00 PM)



You may proceed to **Academic Department (Welfare Coordinator/Academic Advisor)** to assist you for any **emergency/critical health issue**.

NON-OFFICE HOUR (After 5.00 PM)

You may proceed to **FELLOWS ON-DUTY** and they will manage and assist you regarding health problem.

- MONDAY to FRIDAY (5.00 PM - 8.00 AM)
- WEEKEND and PUBLIC HOLIDAY (24 hours)
 - FELLOW OFFICE OPERATION TIME (900 PM - 1100 PM)

STUDENT'S WELFARE

FINANCIAL ASSISTANT?



EDUCATIONAL FINANCIAL AID

- PERBADANAN TABUNG PENDIDIKAN TINGGI NASIONAL (PTPTN)
- DERMASISWA BADAN TERLIBAT*

GENERAL FINANCIAL AID

- ONE-OFF SPECIAL FINANCIAL AID
- ZAKAT
- NGO

***Based on offering**

***All these financial is subject to terms and condition**

Students may proceed to Academic Advisor or Student 's Welfare Unit for more details.

CONTACT US



KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI



JABATAN TEKNOLOGI MAKLUMAT & KOMUNIKASI
POLITEKNIK MUADZAM SHAH
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Tel : 09-450 2005 / 2006 / 2007 Faks: 09-450 2009

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