ABOUT KPTM

Kolej Poly-Tech MARA is a private higher educational institution which is wholly owned by Majlis Amanah Rakyat (MARA). KPTM offers a wide range of educational opportunities in the field of Information Technology, Computer Science, Accounting, Business Management, Sciences, Engineering and Health Science.

VISION

To become an institution that provide high quality education to produce credible

MISSION

Leading academic and personality excellence towards the optimum individual potential

SHARED VALUE

Trustworthy, Synergistic, Caring

SLOGAN

Developing Potential, Driving Achievement

TABLE OF CONTENT

1.0   MESSAGE FROM THE CHIEF EXECUTIVE OFFICER

A warm welcome to Kolej Poly-Tech MARA

First and foremost, I would like to congratulate you for succeeding in your study and now able to pursue it to a higher level at KPTM.

To ensure that all our students meet their educational goals, we go all-out to provide a conducive learning environment that facilities effective learning.

We have experienced lecturers who could guide and motivate the students to meet their life goals. Our lecturers are very committed in making sure their students finish their studies on time and are able to get the right job within short duration of time after that. We also take pride of the fact that our lecturers are not only academic references but also excellent advisors and mentors for students.

It is hoped that this handbook will serve as a useful reference to students about their chosen programme specifications and guidelines.

I wish you all the best in your studies at KPTM.

CHIEF EXECUTIVE OFFICER
KOLEJ POLY-TECH MARA

2.0 MESSAGE FROM DEAN OF FACULTY OF COMPUTER SCIENCE AND INFORMATION TEHCNOLOGY

A warm welcome to Kolej Poly-Tech MARA.

A college experience is not only about making the right decision about what you wanted to be when you finished your secondary education. It is about a series of adjustments before venturing into a more challenging life.

I truly hope that his handbook will be helpful in guiding you throughout your course of studies and throughout your adjustment processes as a college student.

You will find that this handbook provides you with the necessary reference and information regarding the study programme as well as the support system, and services that the college provides.

The procedures are carefully designed to ensure that you are equipped with the relevant information about Diploma in Information Technology.

I hope you have an enjoyable learning experience and a rewarding student life.

DEAN
FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
KOLEJ POLY-TECH MARA

3.0 PROGRAM BRIEF

Kolej Poly-Tech MARA (KPTM) is a center of educational excellence for academic, professional and continuous learning programs. KPTM has grown and developed approximately 20,000 graduates with a wide choice of careers and opportunities in government, industry, the professions, or to further study.

Information Technology is one the world's great growth industries, and among the few industries to have become truly global across its workforce. Information Technology courses at Kolej Poly-Tech MARA are structured to give students more choice and opportunity. Study opportunities include entry level training across a range of technical programs, to complex specializations in fields such as software development and networking.

Courses offered are industry recognized, and designed with the student's development in mind. Using qualified teachers and trainers, our course programs develop and enhance the individual's personal and professional skills, with the aim of preparing them for a career within the IT industry. With a focus on learning outcomes and personal development, each course can enhance your resume, or help you progress your career aspirations within the work place.

Graduates are well equipped for the IT challenge at hand, and they can be confident that their recognized qualification and relevant experience gained through study will have them in high demand within the workforce.

The main purpose of the Information Technology diploma at Kolej Poly-Tech MARA is to generate graduates with the knowledge, skills, and attitudes to be effective and responsible IT practitioners within a rapidly changing IT environment.

Our proud history and solid foundation will drive continuous educational growth into the future. In recent times, we have extended our quality programs to all individuals and populations. It is our absolute commitment to provide opportunities for individuals to gain easy access and holistic approach to education and training towards the establishment of knowledge-based society.

4.0   PROGRAM INFORMATION

1. **ProgrammeTitle**   :   **Diploma in Information Technology**
2. **Programme Code**   :   **CT103**
3. **Duration**   :   **2 years 4 months**
4. **Total Credit Hours**   :   **93 credits**
5. **Medium of Instruction**   :   **English**
6. **Entry Requirement**   :   **PASS SPM** or equivalent with:

THREE (3) credits in any subjects, including Mathematics

OR

Pass a Pre-Diploma or other certificate in a related field from any public / private

institutions recognized by the government of Malaysia with at least CGPA of 2.50

OR

Pass the Malaysian Skills Certificate (SKM)/MLVK Level 3 in a related field

7. **Programme Description:**

The Diploma in Information Technology is designed to challenge and inspire students wherein the study program will prepare them vital IT skills and develop their readiness for the workplace. The students should be able to develop knowledge, understanding and skills in their chosen subject areas such as programming, multimedia, networking and security, whereby these are among the prescribed courses in order to graduate. The study program in the Diploma in Information Technology would give the graduates the opportunity for employment as semi-professional in industries like software houses, systems management, multimedia development and other related employments. The graduates are also able to further their studies in IT and IS related disciplines.

8. **Programme Objectives:**

The program educational objectives are for the graduates to:

PEO1   Knowledgeable and competent in solving problem in the field of IT specializing in system/application development relevant to the industrial requirements.

PEO2   Effective communication in both verbal and non-verbal as well as demonstrate good quality in leadership and team work in the workplace and society.

PEO3   Technically, digitally and numerically competent IT professionals.

PEO4   Demonstrate entrepreneurship skills, life-long learning skills and good ethics as professionals in society.

9. Programme Learning Outcomes:

The outcomes of this program are to:

PLO1   Describe a broad range of complex technical and theoretical knowledge in Information Technology specializing in system/application development.

PLO2   Solve computing problems using appropriate tools, techniques and technologies.

PLO3   Perform a limited range of practical skills, essential tools and methods to perform required tasks/work related to routine and non-routine tasks in Information Technology.

PLO4   Interact effectively, individually or as a member of a team with supervisors, peers and subordinate.

PLO5   Communicate ideas, information, problems and solutions clearly, both in spoken and written.

PLO6   Use a broad range of information, media and technology application to support study and/or task.

PLO7   Combine numerical and graphical/ visual data for study and/or task.

PLO8   Work autonomously, and demonstrate decision making capabilities, accountabilities, leadership and professionalism.

PLO9   Integrate effectively in self-directed life-long learning and professional pathways.

PLO10   Employ managerial and entrepreneural skills.

PLO11   Demonstrate professional values, ethics and attitudes in IT profession.

10. Career Opportunities:

At the completion of the course graduates will have vocational pathways that can lead to employment or further study:

- Working with clients/ customers
- Marketing and selling IT products and services
- Supporting and managing the IT business
- IT systems support and administration
- Systems development and integration
- Computer Technician
- Desktop Support Technician
  - Hardware/Software Installer

- Help Desk Technician
- Programmer
- Analyst Programmer
- Web Site Developer
- Web Page Designer
- IT Executive
- Assistant Software Engineer
- Web Programmer
- Software Developer and Application Developer

11. Awarding Body   :   Kolej Poly-Tech MARA

5.0   ACADEMIC PLANNER

ACTIVITY	DAY / WEEK
Registration (New Students)	Day 1
Orientation	Day 2
Lectures	Week 1 – 14
Revision Week	2 Days
Final Examination	2 Weeks
Semester Break	2 Weeks

Note: Actual calendar will be distributed during registration.

The Academic Calendar for KPTM has the following features:

- The first semester of the academic year normally begins in July.
- The second semester of the academic year normally begins in November.
- The 2 weeks of final exam period, with 2 days for exam preparation between the end of instruction and the beginning of finals.
- The College reserves the right to make any changes to the academic calendar when necessary. You are advised to read notices at all times.

6.0   ACADEMIC REGULATIONS

- All KPTM students are subjected to the Academic Rules and Regulations as outlined in the **Buku Peraturan Akademik KPTM 2022.** A copy of this booklet will be given to every student upon registration.

- All KPTM students pursuing academic programmes in collaboration with local or foreign partner institutions are also subjected to the rules and regulations of the partner institutions. A copy of this booklet will be given to students of the respective program during the Academic Briefing within the Induction Week.

7.0 PROGRAM STRUCTURE – DIPLOMA IN INFORMATION TECHNOLOGY (CT103)

YEAR	SEM	COURSE CODE	COURSE NAME	COURSE STATUS	CREDIT HOURS	PRE REQ
YEAR 1	SEMESTER 1	TSE1363	FUNDAMENTALS OF PROGRAMMING	CORE MODULE	3	NONE
		TCS1063	COMPUTER ORGANISATION AND ARCHITECTURE	CORE MODULE	3	NONE
		TTS1363	INTRODUCTION TO INFORMATION TECHNOLOGY	CONCENTRATION	3	NONE
		TSE1433	CRITICAL THINKING AND PROBLEM SOLVING	CORE MODULE	3	NONE
		CIM1063	INTRODUCTION TO MULTIMEDIA	CONCENTRATION	3	NONE
		HES1013	ENGLISH SKILLS 1	IPT MODULE	3	NONE

YEAR	SEM	COURSE CODE	COURSE NAME	COURSE STATUS	CREDIT HOURS	PRE REQ
YEAR 1	SEMESTER 2	TTS1343	INTRODUCTION TO INFORMATION SYSTEM	CONCENTRATION	3	NONE
		TSE2443	OBJECT ORIENTED ROGRAMMING	CORE MODULE	3	NONE
		TNW2213	INTRODUCTION TO NETWORKS	ELECTIVE MODULE	3	NONE
		TSE3533	PROGRAMMING IN PYTHON			NONE
		TDM1023	COMPUTING MATHEMATICS	CORE MODULE	3	NONE
		TTS2213	DATABASE CONCEPTS	CORE MODULE	3	NONE
		HES1023	ENGLISH SKILLS 2	IPT MODULE	3	HES1013

YEAR	SEM	COURSE CODE	COURSE NAME	COURSE STATUS	CREDIT HOURS	PRE REQ
YEAR 1	SEMESTER 3	TCS2073	OPERATING SYSTEMS	CORE MODULE	3	NONE
		TTS2173	HUMAN COMPUTER INTERACTION	CONCENTRATION	3	NONE
		MPU2213	BAHASA KEBANGSAAN A	MPU MODULE	3	NONE
		MPU2223	STUDY SKILLS			NONE
		MPU2273	PUBLIC COMMUNICATION SKILLS			NONE

YEAR	SEM	COURSE CODE	COURSE NAME	COURSE STATUS	CREDIT HOURS	PRE REQ
YEAR 2	SEMESTER 1	TNW3203	CYBERSECURITY ESSENTIALS	CONCENTRATION	3	NONE
		TSE2463	OBJECT ORIENTED SYSTEM ANALYSIS AND DESIGN	CORE MODULE	3	NONE
		MPU2412	KHIDMAT MASYARAKAT 1	MPU MODULE	2	NONE
		MPU2422	PENGURUSAN MASJID			NONE
		MPU2432	SPORTS EVENT MANAGEMENT 1			NONE
		TSE2473	VISUAL PROGRAMMING	CONCENTRATION	3	TTS2213
		TNW2163	SYSTEM ADMINISTRATION 1	ELECTIVE MODULE	3	NONE
		TNW3103	WIRELESS NETWORK			NONE
		TSE2543	WEB PROGRAMMING AND APPLICATION	CONCENTRATION	3	NONE

YEAR	SEM	COURSE CODE	COURSE NAME	COURSE STATUS	CREDIT HOURS	PRE REQ
YEAR 2	SEMESTER 2	PEN2383	DIGITAL ENTREPRENEURSHIP	IPT MODULE	3	NONE
		TTS3353	DATA ANALYTIC	CONCENTRATION	3	NONE
		TTS2303	PC MAINTENANCE	CONCENTRATION	3	NONE
		MPU2183	PENGHAYATAN ETIKA DAN PERADABAN	MPU MODULE	3	NONE
		MPU2133	BAHASA MELAYU KOMUNIKASI 1		3	NONE
		TSE2493	WEB CONTENT MANAGEMENT	ELECTIVE MODULE	3	NONE
		TSE2483	MOBILE APPS DEVELOPMENT		3	NONE
		TTS3293	IT PROJECT	CORE MODULE	3	NONE

YEAR	SEM	COURSE CODE	COURSE NAME	COURSE STATUS	CREDIT HOURS	PRE REQ
YEAR 2	SEMESTER 3	MPU2353	INTEGRITI DAN ANTI RASUAH	MPU MODULE	3	NONE
		TNW2033	DATA COMMUNICATION CONCEPT	CORE MODULE	3	NONE
		TQM1063	INTRODUCTION TO STATISTIC AND DATA ANALYSIS	CONCENTRATION	3	NONE

YEAR	SEM	COURSE CODE	COURSE NAME	COURSE STATUS	CREDIT HOURS	PRE REQ
YEAR 3	SEMESTER 1	TTS3284	INDUSTRIAL TRAINING	INDUSTRIAL TRAINING	4	Pass all courses with minimum CGPA 2.0
				GRAND TOTAL	**93**	
				GRADUATION REQUIREMENT	**93**	

8.0 COURSE INFORMATION

SEMESTER 1 YEAR 1

TSE1363: FUNDAMENTALS OF PROGRAMMING
Pre-requisite: None

This course mainly focuses on the fundamentals of writing computer program, analysing simple computer problems, write the solution in the form of algorithm, and finally transfer the algorithm into executable program codes. In addition, this course also introduced the selected programming language as the basic programming tools to help student understand and experience the input and output activity and the process of producing a simple computer program.

TCS1063: COMPUTER ORGANISATION AND ARCHITECTURE
Pre-requisite: None

This course introduces basic of computer architecture, numbering system, logic circuit design processing unit, computer memory system, input and output, and parallel processing.

TTS1363: INTRODUCTION TO INFORMATION TECHNOLOGY
Pre-requisite: None

This subject covers the use of personal computers in terms of their hardware and software in theory and its usage through hands on. The students will be exposed to the computer hardware, such as input output devices, system unit, secondary storage, communication media and its component, internet technologies and current issues in Information Technology. In the aspect of hands on, student will be exposed to the system and application software such as word processor, spreadsheet and presentation software.

TSE1433: CRITICAL THINKING AND PROBLEM SOLVING
Pre-requisite: None

This course trains students to acquire two concurrent skills namely critical thinking and problem solving. It will develop students' ability to investigate and evaluate thinking from different viewpoints and synthesize their own positions based on the evidence available. Also, students practice techniques that enable them to maximize the results they create in any learning experience, while identifying, analyzing and formulating solutions to problems especially in computing fields.

CIM1063: INTRODUCTION TO MULTIMEDIA
Pre-requisite: None

This course introduces the essential topics in multimedia application development. It includes concepts in creating and integrating media elements such as
audio, video, animation, text and graphics. It also comprises topics for choosing appropriate platform delivery for post production.

HES1013: ENGLISH SKILLS 1
Pre-requisite: None

This course is designed to develop students' basic English vocabulary and communicative ability which is also to prepare their readiness in future English courses. Students are exposed with two main English language skills; Speaking and Writing while Basic grammar skills are integrated inductively throughout the lessons. This course is also aimed to provide students with the opportunity to improve their command of English besides building their confidence in conversing in the language.

SEMESTER 2 YEAR 1

TTS1343: INTRODUCTION TO INFORMATION SYSTEM
Pre-requisite: None

This course will introduce the concept of information systems in aspect of hardware, software, telecomunication and network, business information system, information system in decision making, and security and ethical challenges in manging information system. Besides that, it can help student to identify the type business information system and managing this technology to improve business process, business decision making and gain competitive advantages.

TSE2443: OBJECT ORIENTED PROGRAMMING
Pre-requisite: None

This course aims to introduce students with the basic concepts of object-oriented programming and develop students' algorithmic problem solving skills. It emphasizes a deeper understanding of object-oriented program implementation, advanced features of object-orientation such as inheritance, polymorphism, abstract classes, interface and file input/output.

TNW2213: INTRODUCTION TO NETWORKS
Pre-requisite: None

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. 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.

TSE3533: PROGRAMMING IN PYTHON
Pre-requisite: None

This course introduces computer programming in Python. Students will solve programming problems using procedural programming constructs such as loop, branching structures, and functions. Student will write programs that are testable and maintainable (using good programming style, naming conventions, and comments).

TDM1023: COMPUTING MATHEMATICS
Pre-requisite: None

This course introduces the basic discrete mathematics that is required in the contemporary aspects of computing. The topics covered are set theory, fundamental principles of counting, relation and function, graph, logic, mathematical induction and recursion.

TTS2213: DATABASE CONCEPTS
Pre-requisite: None

This course provides an intermediate level of knowledge into how database concepts are used commercially. It provides an introductory study of database theory, design and management.

HES1023: ENGLISH SKILLS 2
Pre-requisite: HES1013

The course provides students with general capacity to a level that enables them to use English in their social and professional environment. Students are also expected to focus on understanding any kind of reading materials through the listening activities conducted. This course is also to develop students' general capacity to a level that enables them to use English in social and professional situations.

SEMESTER 3 YEAR 1

TCS2073: OPERATING SYSTEMS
Pre-requisite: None

This module is intended to provide students with the concepts of design and implementation of computer systems. It explains what operating systems are and what they do. It also introduces to the students the issues and techniques of resources management and protection, and shows how computer system manages processor, memory and secondary storage to be used by the process in an efficient manner.

TTS2173: HUMAN COMPUTER INTERACTION
Pre-requisite: None

This course introduces the basic building blocks of Human Computer Interaction, a discipline involved with the way people interact with computers and their applications. The content of the course includes the study of human psychology, the technology and the design technique, method and evaluation. Topics include a review of HCI and history, input devices and interaction techniques and more.

MPU2213: BAHASA KEBANGSAAN A
Pre-requisite: None

Kursus ini mencakupi pengenalan kepada bahasa Melayu, prinsip sebutan dan intonasi, sistem ejaan dan tatabahasa Melayu, prinsip pengucapan awam, kepelbagaian teks, prosa, puisi dan penulisan teks atau wacana sama ada berformat atau tidak berformat.

MPU2223: STUDY SKILLS
Pre-requisite: None

Study Skills is designed to help students improve their study skills and develop their ability to use it. This subject is also geared to provide the students with the awareness on the knowledge and tools that the students need in order to build the skills for lifelong learning. In addition, it will guide the students in understanding what they can do to be a more efficient and effective learner. The learning strategies taught in this course are meant to be used for learning tasks in class, work and in their personal lives.

MPU2273: PUBLIC COMMUNICATION SKILLS
Pre-requisite: None

This course is designed to help the students to enhance communication skills which can be applied to the real world. In addition, the course will help the students to boost their confidence level to speak in public and learn on how to inform and persuade effectively.

SEMESTER 1 YEAR 2

TNW3203: CYBERSECURITY ESSENTIALS
Pre-requisite: None

This course develops foundational understanding of cybersecurity and how it relates to information and network security. The course also introduces students to the concepts and characteristics of cyber crime, security principles, technologies, and procedures to defend networks. Students will able to build technical and professional skills to pursue careers in cybersecurity.

TSE2463: OBJECT ORIENTED SYSTEMS ANALYSIS AND DESIGN
Pre-requisite: None

This course provides student with the concept and skills of system analysis and design methods, techniques and tools that used in organizing information which include the use of UML Diagrams in structuring the system requirement. Student were also introduced on managing the project, analyze, develop and document the project, design prototype, implement and maintain the information system.

MPU2412: KHIDMAT MASYARAKAT 1
Pre-requisite: None

Modul ini memberi peluang kepada pelajar untuk memahami kursus khidmat masyarakat berdasarkan pengalaman praktikal bersama masyarakat setempat dengan melibatkan bersama agensi sukarelawan. Di akhir kursus ini pelajar memperolehi kecekapan dalam mengurus sesuatu program kemasyarakatan melalui kemahiran insaniah seperti menyelesaikan masalah dan kerjasama dalam kumpulan.

MPU2422: PENGURUSAN MASJID
Pre-requisite: None

Kursus ini memberi peluang kepada pelajar memahami secara mendalam peranan dan fungsi institusi masjid di samping memberi pendedahan kepada pelajar tentang peranan dan etika kerjaya pentadbiran institusi tersebut melalui aktiviti yang dijalankan.

MPU2432: SPORTS EVENT MANAGEMENT
Pre-requisite: None

The course introduces students to sports event management and focuses on the details required when planning a specific sports event. Emphasis is placed on the planning of events, beginning with research into selecting the right event , event themes, site selection, task and responsibility checklists, organizational committee structures, budgeting, advertising and promotion, and event administration.

TSE2473: VISUAL PROGRAMMING
Pre-requisite: TTS2213

This course covers the topics of form design, common form tool controls, arithmetic operations and assignment statements, predefined/ user-defined object methods & functions, control structures, array and database. The assignment and group project tasks are also designed to expose student a basis of problem solving experience in computing.

TNW2163: SYSTEM ADMINISTRATION 1
Pre-requisite: None

This course will introduce Linux commands commonly used by entry level Linux system administrator or end users to achieve their day-to-day work in a Linux environement. It will use Debian Distro as the teaching tools.

TNW3103: WIRELESS NETWORK
Pre-requisite: None

Introduce the students to wireless LAN RF, functions of wireless LAN components in term of knowledge and practical skills. In addition, the students will also identify security issues and solutions involved in wireless LAN.

TSE2543: WEB PROGRAMMING AND APPLICATION
Pre-requisite: None

This course will guide students to use hypertext mark-up language (HTML), Java Script, Cascading Style Sheet (CSS), graphical web authoring tools, HyperText Pre Processor (PHP) language and MySQL database to create a dynamic web page and online database application.

SEMESTER 2 YEAR 2

PEN2383: DIGITAL ENTREPRENEURSHIP
Pre-requisite: None

This course examines the theory and practices of promoting online businesses in new and existing firms. It explores means to gain break through products and services. Students will develop business folios as a useful tool in designing business plan.

TTS3353: DATA ANALYTIC
Pre-requisite: None

This course is an introductory to the concepts of Knowledge Discovery in Database (KDD) as it applies to the database system environment. Serveral data pre-processing techniques and data mining task will be covered. In addition, the practical hand-on will be based on an open source data mining tools and benchmark datasets.

TTS2303: PC MAINTENANCE
Pre-requisite: None

This course will provide the skills to determine the specifications to build and test a Personal Computer, perform component upgrades and preventive maintenance.

MPU2183: PENGHAYATAN ETIKA DAN PERADABAN
Pre-requisite: None

Kursus ini mempersiapkan pelajar untuk menghayati etika dan peradaban yang wujud dalam masyarakat kepelbagaian etnik di Malaysia untuk memperteguhkan pemikiran kritikal dan analitikal mereka bagi menangani kehidupan yang lebih mencabar. Pengisian kursus ini memfokuskan kepada penghayatan etika dan peradaban dalam acuan Malaysia.

MPU2133: BAHASA MELAYU KOMUNIKASI 1
Pre-requisite: None

Kursus ini ditawarkan kepada pelajar luar negara bagi membantu mereka dalam aspek berkomunikasi. Ia lebih menekankan kaedah penggunaan bahasa yang mudah serta dapat membantu dalam aktiviti kehidupan harian mereka. Pelajar juga akan dapat menggunakannya untuk membuat rujukan bahan-bahan akademik dalam bahasa Melayu.

TSE2483: MOBILE APPS DEVELOPMENT
Pre-requisite: None

This course mainly focuses on the fundamental development of mobile application. As a project-oriented course it examines the principles of mobile application design and introduces development tools. Student will understand and experience the structure of mobile application development process and how to publish the application. Students are expected to work on a project that produces a quality mobile application.

TSE2493: WEB CONTENT MANAGEMENT
Pre-requisite: None

This course will guide students in the use of open source web-based content management which is used to create dynamic and flexible web sites, galleries, ecommerce sites, or blogs. Students will be instructed on the fundamentals of planning dynamic websites, Content Management System (CMS) database management, manipulating Cascading Style Sheet (CSS) -controlled site templates, and creating database driven websites through the planning and creation of their own topic-based sites.

TTS3293: IT PROJECT
Pre-requisite: None

This module requires students to develop IT solution for multimedia application, website/mobile application, system, network, Internet of Things (IoT) or any computer based related project. The project solution and final report will be presented and evaluated. It gives an opportunity to demonstrate skills in problem solving, critical thinking and creativity in identifying, creating, designing, testing, implementing and producing documentation of the project.

SEMESTER 3 YEAR 2

MPU2353: INTEGRITI DAN ANTI RASUAH
Pre-requisite: None

This course covers the basic concept of corruption including the value of integrity, anti-corruption, forms of corruption, abuse of power in daily activities and organizations as well as ways to prevent corruption. Cases related to corruption are discussed. Teaching and learning methods are implemented in the form of 'experiential learning' through individual and group activities. At the end of this course, students are able to understand the practice of integrity, the concept of corruption, anti-corruption, abuse of power as well as the prevention of corruption in society and organizations.

TQM1063: INTRODUCTION TO STATISTIC AND DATA ANALYSIS
Pre-requisite: None

A course designed to emphasize the basic concept of statistics and probability. Topics include descriptive statistics, data presentation, correlation, regression, probability, probability distribution, estimation and hypothesis testing.

TNW2033: DATA COMMUNICATION CONCEPT
Pre-requisite: None

This course exposes fundamental concepts in a manner that discusses the components of data communication, the hardware and distributed processing/computer networking. The subject also covers widen technologies available in data communication, mechanism underlying telecommunications and networking.

SEMESTER 1 YEAR 3

TTS3284: INDUSTRIAL TRAINING
Pre-requisite: Passes all courses with minimum CGPA 2.0

The purpose of this module is to expose students to the real working environment. Student will be placed in appropriate local industry or Government Corporation in the final semester and will be exposed to the real working environment relevant to their field of study. Student must produce a report and present on the industrial training that they have undergone. Each student will be supervised by an academic supervisor and an industrial supervisor.

9.0   KPTM TOP MANAGEMENT GROUP

En Mohd Sahidi Bin Yaakob
*Deputy President of Academic and
Acting as Chief Executive Officer*

En Ramli Bin Mohd Jawi
Deputy President of Student Affairs

Prof. Dr. Abdul Rahim Bin Abdul Rahman
*President
University Poly-Tech Malaysia*

En Mohamed Saifuddin Bin Hussin
*Senior Director
Corporate Planning Department*

En Mohd Yusoff Bin Mat Ali
*Senior Director
Human Resources Department*

Pn Azlina Bt Yusof
*Senior Director
Finance Department*

En Mohd Zaidi Bin Zakaria
*Senior Director
Logistic and Asset Department*

En Mohd Asri Bin Mohammad
*Director
Information Technology Department*

En Saifulkahar Bin Shariff
*Director
Department For Continuing Education*

10.0   STUDY PATH

11.0   KPTM SONG

KPTM GEMILANG

Kepada negara, kita curahkan bakti setia
Putra putrinya tekad menjunjung obor ilmu
Taat agama, kaya bangsanya yang berdaulat
MARA ke arah matlamat negara yang maju

Sehati dan sejiwa
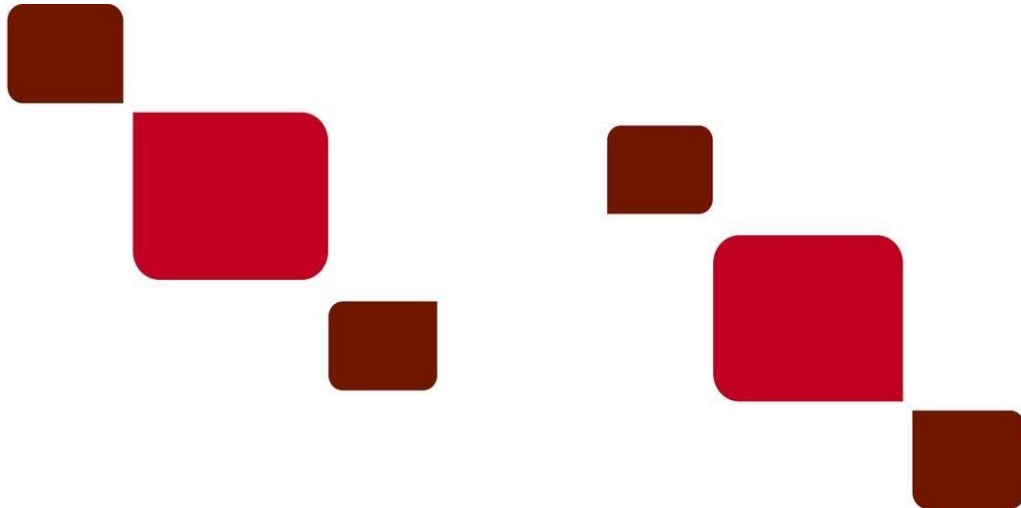*Menuju puncak jayanya*
Bangsaku gemilang

Di mana ku berada
Namamukan tersemat dijiwa
Penuh rasa bangga

Kepada negara, kita curahkan bakti setia
Putra putrinya tekad menjunjung obor ilmu

Semangat nan membara
Obor ilmu dinyala
untuk menyuluh dunia

Di mana ku berada
Namamukan tersemat dijiwa
Penuh rasa bangga

Dengan cogan kata
Amanah, Teguh dan Dirahmati
Seia sekata
KOLEJ POLY-TECH MARA
Capai segala wawasan!

KOLEJ UNIVERSITI POLY-TECH MARA
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