



# Info UniMAP

Universiti Malaysia Perlis  
Jul - Dec 2015



## INDUSTRIAL NETWORKING

This data is valid until  
30 June 2016

# Info

## UniMAP

Universiti Malaysia Perlis

July - Dec 2015

[www.unimap.edu.my](http://www.unimap.edu.my)



### Mission

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To produce a holistic human capital to the nation's development and industrial competitiveness

### Vision

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An internationally competitive academic and research institution



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“ ”

*In order to speed up to the frontline among world renowned universities, we really have to study and understand the nature of the strategy to be use*

*KUKUM Rector  
Keynote Address 2006*



## CIGC- UniMAP A PARTNER TO 41 MULTINATIONAL COMPANIES

Centre of Industrial and Governmental Collaborations (CIGC) have been the frontline for UniMAP in establishing connections with industrial player and governmental agencies. Operating since February 2004, CIGC have been catering industrial and governmental networking, industrial trainings, graduate employability (GE) programs and consultation works. To date, CIGC have collaborated with 229 industries and agencies via signing of 168 MOUs, 42 MOAs and 22 LOIs, with 10 MOUs, 1 MOA and 8 LOIs are signed in 2015 alone. In terms of companies, UniMAP have collaborated with 41 multinational companies (MNC), 30 government-linked companies (GLC), 117 local companies and 44 governmental agencies.

## SO CLOSE THAT INDUSTRIES AND UniMAP ARE INSEPARABLE

Among the closest industries with UniMAP are Silterra (M) Sdn Bhd, Agilent Technologies (M) Sdn Bhd and BBraun Medical Industries Sdn Bhd. UniMAP have been training Silterra fresh engineers via the Silterra-NCIA-UniMAP Centre of Excellence (SNUCOE) programs and Silterra also is directly involved in the establishment of AMBIENCE lab with NCIA; focusing on developing MEMIS technology in UniMAP. UniMAP also trained Agilent staff via the Agilent-UniMAP Development Program (AUDP) for 6 years and Agilent have been co-develop UniMAP syllabus and granted VEE license to UniMAP. UniMAP was the pioneer in training First Solar engineers and technicians under the SETIA01 program. BBraun have involved in GE programs via JobCamps, research on medical devices as well as UniMAP anchor company for ICOE Healthcare.



1 **3** campuses

2 **1050**  
acre campus at PauhPutra (minus the  
scattered campus in Perlis)

3 **47.9%**  
are UniMAP is academic staff

4 **3049**  
enrolments of local students in  
2015/2016

5 **554**  
enrolments of international students  
2015/2016

6 **32.2%**  
Lecturers with PhD holders



7 **12** schools

8 **6**  
UniMAP journals published

9 **71%**  
marketability of graduate students  
2015/2016





# LOI S.A. between GIFT



# 03

## List of Figures and Tables

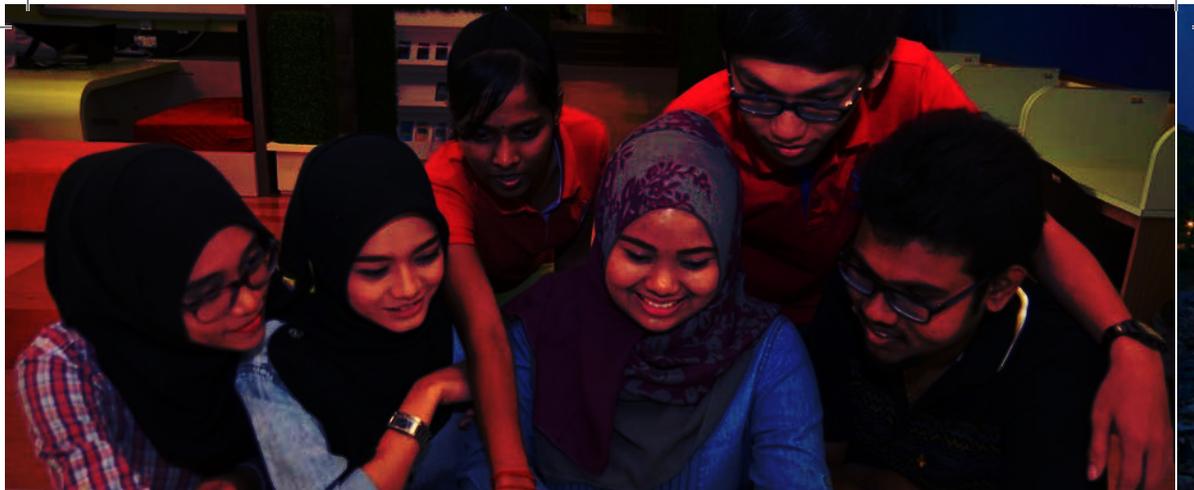


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# 04 Administrative Structure



A hand is holding a vernier caliper over a technical drawing. In the foreground, a depth gauge and a pencil are visible on the drawing. The background shows a blurred technical drawing on a roll of paper.

Dr. Shuhairimi Abdullah and Mohd Adib Abd Muin. Gold medal. Islamic Social Entrepreneurship Model at the UniMAP's Invention Expo 2015.

### **CHANCELLOR UniMAP**

**DYTM Tuanku Syed Faizuddin Putra Ibni Tuanku Syed Sirajuddin Jamalullail**

D.K., S.P.M.P., P.A.T, Doctor of Education (Honoris Causa)  
La Trobe University Melbourne, Australia  
Crown Prince of Perlis

### **PRO-CHANCELLOR UniMAP**

**DYTM Tuanku Hajah Lailatul Shahreen Akashah Khalil**

S.P.M.P Honoris Causa in Health Sciences  
(Universidad Nacional Pedro Henriquez Urena, RD)  
Crown Princess of Perlis

## **BOARD OF DIRECTORS**

### **CHAIRMAN**

**Yang Berbahagia Dato' Prof. Emeritus Ir. Dr. Zainai Mohamed**

J.S.M., D.P.S.K.  
Professor Emeritus, UTM International Campus, Kuala Lumpur.

### **MEMBER (CHIEF EXECUTIVE OFFICER)**

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P.J.N., D.P.M.P., D.P.S.J., P.A.T., K.A.T., A.M.P.  
Vice Chancellor of UniMAP

## ADMINISTRATIVE STRUCTURE

### **MEMBERS**

**Yang Berbahagia Datin Paduka Ir. Dr. Siti Hamisah Tapsir**

D.P.M.S.,  
Deputy Director of General (IPTA)

**Yang Berbahagia Encik Abdul Rasid Sudin**

Senior Director (Enforcement), Companies Commission of Malaysia

**Yang Berbahagia Dato' Dr. Mohd Sofi Osman**

D.S.P.N., P.K.T.  
Vice President Apac Region Worldwide Operations and Engineering, Altera Corporation (M) Sdn. Bhd.

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D.S.D.K.  
President, Kulim Technology Park Corporation

**Yang Berbahagia Dato' Zamzuri Abdul Aziz**

D.P.S.K.  
Deputy Director of the Budget (General Services),  
Ministry of Finance

**Yang Berhormat Encik Mohd Parid Sulaiman**

Director of Engineering, Strategic Program, Malaysia Design Center Intel

**Yang Berbahagia Prof. Dr. Ali Yeon Md Shakaff**

J.M.N., S.M.P., S.S.P.  
Chairman of the Council Professor UniMAP

### **REPLACEMENT MEMBER**

-Empty-

### **SECRETARY**

**Yang Berusaha En. Zuber Hj. Mohamad**

Registrar UniMAP



## PRINCIPAL OFFICERS

01

**Brigedier Jeneral Datuk Professor Emeritus Dr. Kamarudin Hussin**

Vice Chancellor

**Dato' Professor Dr. Zul Azhar Zahid Jamal**

Deputy Vice Chancellor (Academic and International)

**Professor Dr. Abdul Hamid Adom**

Deputy Vice Chancellor (Research and Innovation)

**Associate Professor Dr. Mohd Fo'ad Sakdan**

Deputy Vice Chancellor (Student Affairs and Alumni)

**Mr. Zuber Hj. Mohamad**

Registrar

**Madam Saodah Hassan**

Bursar

**Madam Mazmin Mat Akhir**

Chief Librarian

02

## HEAD OF DEPARTMENT (ADMINISTRATIVE)

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Assistant Vice Chancellor (Corporate Communication)

**Associate Professor Abdul Aziz Mahmuddin**

Assistant Vice Chancellor (Quality Management and Corporate Development)

**Professor Ir. Dr. Rezuwan Kamaruddin**

Dean, Academic Management

**Professor Dr. Syed Alwee Aljunid Syed Junid**

Dean, Research Management and Innovation Centre

**Associate Professor Razli Ahmad**

Dean (Student Affairs and Alumni)

**Associate Professor Dr. Mohd Mustafa Albakri Abdullah**

Dean, School of Diploma Programme

**Professor Dato' Wira Dr. Mohd Salleh Hj. Din**

Director, Centre for Entrepreneurship Development, Commercialization and Intellectual Properties Management

**Professor Datin Paduka Datuk Dr. Ramlah Adam**

Director, Research Centre for Malaysia Royal Institution

**Professor Dr. Harshita Aini Haroon**

Director, Centre for International Language

**Professor Dr. Rosni Bakar**

Director, Centre for International Affairs

**Professor Dr. Asiah Sarji**

Director, UniMAP Press



**Professor Dr. Uda Hashim**

Director, Institute of Nano Electronic Engineering

**Professor Dr. Salleh Abd. Rashid**

Director, Centre for Sustainable Academic Leadership Development

**Associate Professor Dr. Mahmad Nor Jaafar**

Director, Institute of Sustainable Agrotechnology

**Associate Professor Dr. Ye Htut@ Mohammad Iqbal Omar**

Director, Health Centre

**Mr. Nasrudin Abd Shukor**

Director, Information and Communication Technology Centre

**Mr. Suhizaz Sudin**

Director, Sport Centre

**Ustaz Hassan Hj. Arshad**

Director, Islamic Centre

**Mr. Hirwan Jasbir Jaafar**

Director, Institute of Strategic Studies, Leadership & Community- ISleC / Principal, Residential College

**Associate Professor Mazelan Abdul Hamid**

Director, Development Department

**Associate Professor Lt. Kol. (B) Azuddin Bahari**

Director, Occupational Safety and Health Unit

**Dr. Azuwir Mohd Nor**

Director, Multimedia Unit

**Dr. Midhat Nabil Ahmad Salimi**

Director, Student Housing and Accommodation Unit

**Dr. Mohd Hafiz Fazalul Rahiman**

Director, Reputation Unit

**Madam Suhana Abdul Mutalib**

Director, Media Unit



**Associate Professor Nor Azmi Hj. Johari**

Director, Security Department

**Associate Professor Ir. Dr. Anuar Mat Safar**

Director, Accreditation and Qualification Unit

**Associate Professor Dr. Othman Hashim**

Director, Internal Audit





**Dr. Ragnathan A/L Santiago**  
Pengetua Kolej-kolej Kediaman

**Puan Kartini Hj. Alir**  
Pengetua Kolej-kolej Kediaman

**Encik Syed Akhmal Syed Jamalil**  
Pengetua Kolej-kolej Kediaman

**Encik Wong Yee Shian**  
Pengetua Kolej-kolej Kediaman



### 03 DEANS/HEAD OF DEPARTMENT (ACADEMIC AFFAIRS)

**Professor Dr. Mohd Yusoff Mashor**  
Dean, Centre for Graduate Studies

**Professor Dr. R. Badlishah Ahmed**  
Dean, School of Computer and Communication  
Engineering

**Professor Dr. Amran Ahmad**  
Dean, Institute of Engineering Mathematics

**Associate Professor Dr. Che Mohd Ruzaidi  
Ghazali**  
Dean, Faculty of Engineering Technology

**Associate Professor Dr. Hazry Desa**  
Dean, School of Business Innovation and  
Technopreneurship

**Associate Professor Dr. Huzili Hussin**  
Dean, School of Human Development and  
Technocommunication

**Associate Professor Dr. Rizalafande Che Ismail**  
Dean, School of Microelectronic Engineering

**Associate Professor Dr. Khairul Azwan Ismail**  
Dean, School of Manufacturing Engineering

**Associate Professor Dr. Muhammad Syarhabil  
Ahmad**  
Dean, School of Bioprocess Engineering

**Associate Professor Dr. Abu Hassan Abdullah**  
Dean, School of Mechatronic Engineering

**Associate Professor Dr. Zaliman Sauli**  
Director, Co-Curriculum Centre

**Dr. Khairel Rafezi Ahmad**  
Dean, School of Material Engineering

**Dr. Nasrul Hamidin**  
Dean, School of Environmental Engineering

**Dr. Haziah Abdul Hamid**  
Dean, School of Electrical System Engineering

**Dr. Mukhzeer Mohamad Shahimin**  
Director, Centre for Industrial and Government  
Collaboration

Updated: **November 4, 2015**  
Source: **Personnel Unit**



Centres Responsible For  
Academic Programmes



# CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES



Table 5.1: Academic Programmes by Schools

School	Academic Programmes			
	Degree Courses in Engineering (with Honours)	Diploma Courses in Engineering	Postgraduate Programmes	
			Research Mode	Mixed Mode/ Coursework
Microelectronic Engineering	Microelectronic Engineering	Microelectronic Engineering	Ph.D MSc (Microelectronic Engineering) (Electronic Engineering) (Photonic Engineering)	Master of Science (Microelectronic System Design Engineering) -Mixed Mode
	Electronic Engineering			
	Photonic Engineering			
Computer and Communication Engineering	Computer Engineering	Computer Engineering	Ph.D MSc (Computer Engineering) (Communication Engineering)	Master of Science Embedded System Design -Mixed Mode
	Communication Engineering			
	Computer Network Engineering			
Mechatronic Engineering	Mechatronic Engineering	Mechatronic Engineering	Ph.D M.Sc. (Mechatronic Engineering) (Mechanical Engineering) (Biomedical Electronic Engineering)	
	Mechanical Engineering			
	Biomedical Electronic Engineering			
Electrical System Engineering	Electrical System Engineering	Electrical Engineering	Ph.D M.Sc. (Electrical System Engineering)	Master of Science (Electrical Power Engineering) -Mixed Mode
	Industrial Electronic Engineering			
Manufacturing Engineering	Manufacturing Engineering	Manufacturing Engineering	Ph.D M.Sc. (Manufacturing Engineering) (Product Design Engineering)	Master of Science (Manufacturing Systems Engineering) -Mixed Mode
	Product Design Engineering			
Material Engineering	Material Engineering	Metallurgical Engineering	Ph.D M.Sc. (Materials Engineering)	Master of Science (Polymer Engineering) -Mixed mood
	Metallurgical Engineering			
	Polymer Engineering			
Bioprocess Engineering	Bioprocess Engineering		Ph.D M.Sc. (Bioprocess Engineering) (Biosystem Engineering)	
	Bio-system Engineering			

School	Academic Programmes			
	Degree Courses in Engineering (with Honours)	Diploma Courses in Engineering	Postgraduate Programmes	
			Research Mode	Mixed Mode/ Coursework
Environmental Engineering	Environmental Engineering		Ph.D M.Sc. (Environmental Engineering) (Building Engineering) (Civil Engineering)	
	Civil Engineering			
Business Innovation and Technopreneurship	Bachelor of Business (Hons.) (Entrepreneurship Engineering)		Ph.D MSc (Accounting) (Finance) (Economics) (Management) (Entrepreneurship and Technopreneurship) (Marketing)	Master of Business Administration (Engineering Management) -Coursework
	Bachelor of Business (Hons) (International Business)			
Institute of Nanoelectronic Engineering			Ph.D MSc (Nanoelectronic Engineering) (Nanomaterial Engineering) (Nanobiotechnology Engineering)	
Institute Engineering Mathematics			Ph.D M.Sc. (Engineering Mathematics) (Applied Mathematics) (Pure Mathematics) (Statistics) (Operational Research) (Theoretical Physics)	Master of Science (Engineering Mathematics) -Mixed Mode
iKOM	Bachelor of New Media Communication		Ph.D M.Sc. (Communication and Information Technology) (Education and Sport Science) (Social Entrepreneurship) (Psychology and Counselling)	



Faculty Of Engineering Technology	Bachelor of Engineering Technology (Hons) (Industrial Biotechnology)			
	Bachelor of Engineering Technology (Electrical) (Hons) (Industrial Power)			
	Bachelor of Electronic Engineering Technology (Hons) (Electronic Network Design)			
	Bachelor of Mechanical Engineering Technology (Hons) (Machining)			
	Bachelor of Mechanical Engineering Technology (Hons) (Agricultural Systems)			
	Bachelor of Civil Engineering Technology (Hons) (Construction)			
	Bachelor of Mechanical Engineering Technology (Hons) (Product Development)			
	Bachelor of Mechanical Engineering Technology (Hons) (Materials Processing)			
	Bachelor of Electrical Engineering Technology (Hons) (Robotics and Automation Technology)			
	Bachelor of Electronic Engineering Technology (Hons) (Electronic System)			
Bachelor of Electronic Engineering Technology (Hons) (Integrated Electronic)				

	Bachelor of Electronic Engineering Technology (Hons) (Electronic Telecommunication Design)			
	Bachelor of Chemical Engineering Technology (Hons) (Industrial Chemical Process)			
International Language Center			Ph.D M.Sc (Language Studies and Translation)	



Table 5.2: New Postgraduate Academic Programmes Offered For January 2015, 2015/2016 Academic Session

Schools	Academic Programmes	Study Mode
Microelectronic Engineering	Master of Science (Microelectronic System Design Engineering)	Mixed Mode
Centre for Graduate Studies	Doctor of Philosophy by Publication - Ph.D (Pub)	Research Mode

Table 5.3: New Under Graduate Academic Programme Offered For September 2016, 2016/2017 Academic Session

Schools	Academic Programmes
Faculty Of Engineering Technology	Bachelor of Chemical Engineering Technology (Hons) (Food Technology)



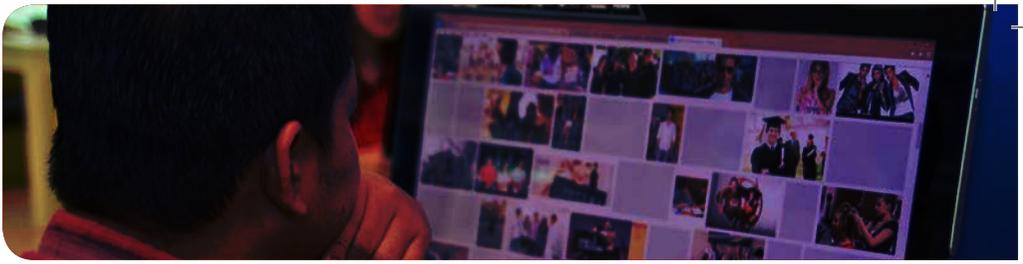
## SCHOOL OF MICROELECTRONIC ENGINEERING

Table 5.4: School of Microelectronic Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students			
1. Diploma of Engineering (Microelectronic)	198	1. Lecturers	47	Expatriate	2	Overall	1:16
		2. PLV	9	Local	45	Overall (Lecturer)	1:20
2. Bachelor of Engineering (Microelectronic)	309	3. Assistant Engineer	6			Diploma	1:20
		4. Technicians	4			Bachelor	1:19
3. Bachelor of Engineering (Electronic)	367	5. Admin / Support Staff	7			Master/Ph.D	1:2
4. Bachelor of Engineering (Photonic)	202	6. Study Leave (SLAB / SLA) :					
5. Master of Science (Microelectronic Engineering) Research Mode	45	• MSc	2				
		• Ph.D	14				
6. Master of Science (Microelectronic System Design Engineering) Mix Mode	10	7. Fellow	-				
7. Doctor of Philosophy	25						
<b>TOTAL</b>	<b>1156</b>	<b>TOTAL</b>	<b>89</b>	<b>TOTAL</b>	<b>47</b>		
• Diploma	198						
• Bachelor	878			MSc	14		
• Master of Science	55			PhD	33		
• Doctor of Philosophy	25						

Updated: December 2015

Source: School of Microelectronic Engineering



## SCHOOL OF COMPUTER AND COMMUNICATION ENGINEERING

Table 5.5: School of Computer and Communication Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lecturer (Total)	Ratio Staff & Student
1. Diploma of Engineering (Computer)	204	1. Lecturer	68 Expatriate	Overall 1:12
2. Bachelor of Engineering (Computer Engineering)	333	2. PLV	8 Local	Overall (Lecturer) 1:20
3. Bachelor of Engineering (Communication Engineering)	321	3. Assistant Engineer	11	Diploma 1:10
4. Bachelor of Engineering (Computer Network Engineering)	312	4. Technician	5	Bachelor of Engineering 1:14
5. Master of Science (Embedded System Design Engineering)	13	5. Admin / Support Staff	6	Doctor of Philosophy/ Master of Science 1:4
6. Master of Science (Computer Engineering)	23	6. Study Leave (SLAB / SLAI) :	14	
7. Master of Science (Communication Engineering)	21	7. Fellow	7	
8. Master of Science (Computer Network Engineering)	31			
9. Doctor of Philosophy	97			
<b>TOTAL</b>	<b>1355</b>	<b>TOTAL</b>	<b>113</b>	<b>TOTAL</b> <b>68</b>
• Diploma	204		MSc	20
• Bachelor of Engineering	966		PhD	48
• Master of Science	88			
• Doctor of Philosophy	97			

Updated: December 2015

Source: School of Computer and Communication Engineering



## SCHOOL OF MECHATRONIC ENGINEERING

Table 5.6: School of Mechatronic Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)	Ratio Staff & Students			
1. Diploma of Engineering (Mechatronic)	211	1. Lecturers	72	Expatriate	8	Overall	1:14
		2. PLV	22	Local	64	Overall (Lecturer)	1:17
2. Bachelor of Engineering (Mechatronic)	399	3. Assistant Engineer	11			Diploma	1:10
		4. Technical Assistant	3			Bachelor	1:17
3. Bachelor of Engineering (Mechanical)	411	5. Admin/ Support Staff	8			Master & PhD	1:3
		6. Carpenter K1	4				
4. Bachelor of Engineering (Biomedical Electronic)	404	7. Study Leave (SLAB / SLAI):					
		• MSc	-				
5. Master Science (Mechatronic Engineering)	106	• PhD	14				
		8. Fellow	7				
6. Doctor of Philosophy	74						
<b>TOTAL</b>	<b>1605</b>	<b>TOTAL</b>	<b>141</b>	<b>TOTAL</b>	<b>72</b>		
• Diploma	211			MSc	23		
• Bachelor	1214			PhD	49		
• Master Science	106						
• Doctor of Philosophy	74						

Updated: December 2015

Source: School of Mechatronic Engineering

## SCHOOL OF ELECTRICAL SYSTEM ENGINEERING

Table 5.7: School of Electrical System Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)	Ratio Staff & Students	
1. Diploma of Engineering (Electrical)	202	1. Lecturers	64	Expatriate 8	Overall 1:18
2. Bachelor of Engineering (Electrical System)	427	2. PLV	6	Local 56	Overall (Lecturer) 1:20
3. Bachelor of Engineering (Electronic Industry)	280	3. Tech. Assistant	7		Diploma 1:3
4. Bachelor of Engineering (Electrical Energy System)	334	4. Technician	9		Bachelor 1:17
5. Master of Science (Electrical System)	27	5. Chargeman	2		
6. Master of Science (Mix-Mode) (Electrical Power)	16	6. Admin/ Support Staff	6		
7. Doctor of Philosophy	32	7. Stud Leave Staff (SLA): • PhD	20		
		Fellow (SLAB): • MSc • PhD	4 5		
<b>TOTAL</b>	<b>1318</b>	<b>TOTAL</b>	<b>123</b>	<b>TOTAL</b>	<b>64</b>
• Diploma	202			MSc	34
• Bachelor	1041			PhD	30
• Master Science	43				
• Doctor of Philosophy	32				

Updated: December 2015

Source: School of Electrical System Engineering

## SCHOOL OF MANUFACTURING ENGINEERING

Table 5.8: School of Manufacturing Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)	Ratio Staff & Students	
1. Diploma of Engineering (Manufacturing)	204	1. Lecturers	41	Expatriate 2	Overall 1:10
2. Bachelor of Engineering (Manufacturing)	416	2. PLV	10	Local 39	Overall (Lecturer) 1:19
3. Bachelor of Engineering (Product Design)	310	3. Tutor	1		Diploma 1:20
4. Bachelor of Engineering Technology (Machining)	-	4. Assistant Engineer	8		Bachelor 1:18
5. Bachelor of Engineering Technology (Product Development)	-	5. Technician	3		Master 1:2
6. Master of Science (Manufacturing)	18	6. Admin/ Support Staff	6		
7. Master of Science (Product Design)	4	7. Carpenter K1	1		
8. Master of Science Mixed Mode (Manufacturing Systems)	18	8. Study Leave (SLAB / SLAI): • MSc • PhD	21		
9. Doctor of Philosophy (Manufacturing)	14	9. Fellow	8		
10. Doctor of Philosophy (Product Design)	1				
<b>TOTAL</b>	<b>985</b>	<b>TOTAL</b>	<b>99</b>	<b>TOTAL</b>	<b>41</b>
• Diploma	204			MSc	22
• Bachelor	726			PhD	19
• Master of Science	40				
• Doctor of Philosophy	15				

Updated: December 2015

Source: School of Manufacturing Engineering

## SCHOOL OF MATERIAL ENGINEERING

Table 5.9: School of Material Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)	Ratio Staff & Students	
1. Diploma of Engineering (Metallurgical)	194	1. Lecturers	62	Expatriate 6	Overall (Lecturer) 1:13
2. Bachelor of Engineering (Materials)		2. Teaching Engineer	13	Local 56	Diploma 1:15
3. Bachelor of Engineering (Metallurgical)	320	3. Assistant Engineer	7		Bachelor 1:13
4. Bachelor of Engineering (Polymer)	241	4. Technician/ Skills Assistant	2		
5. Master of Science (Material)	237	5. Admin/ Support Staff	6		
6. Master of Science (Polymer Engineering)	74	6. Study Leave (SLAB / SLA) :			
7. Doctor of Philosophy	4	• MSc.	-		
	82	• PhD (Lecturer)	18		
		• PhD (Teach. Eng)	2		
<b>TOTAL</b>	<b>1152</b>	<b>TOTAL</b>	<b>110</b>	<b>TOTAL</b>	<b>62</b>
• Diploma	194			PhD	15
• Bachelor	798			MSc	47
• Master of Science	78				
• Doctor of Philosophy	82				

Updated: December 2015

Source: School of Material Engineering

The School of Bioprocess Engineering (SBE) was first established in October 2005 after approval from the Ministry of Higher Education. SBE currently offers four (2) Bachelor's Degree programmes namely Bachelor of Engineering (Honours) (Bioprocess Engineering), Bachelor of Engineering (Honours) (Biosystems Engineering), Bachelor of Chemical Engineering Technology (Honours)(Industrial Biotechnology) and Bachelor of Mechanical Engineering Technology (Honours) (Agricultural Systems)

## SCHOOL OF BIOPROCESS ENGINEERING

Table 5.10: School of Bioprocess Engineering

Programmes	Enrolment	Staff	Lecturers	Ratio Staff & Students			
1. Bachelor of Engineering (Bioprocess Engineering)	267	1. Pensyarah	31	Expariate	2	Overall	1:13
		2. PLV	7	Local	29	Overall (Lecturers)	1:18
		3. Technician	7			Bachelor	1:15
2. Bachelor of Engineering (Biosystems Engineering)	223	4. Admin/ Support Staff	6			Diploma	-
		5. Study Leave (SLAB / SLA):	-			Master of Science/ Doctor of Philosophy	1:3
3. Master of Science (Bioprocess Engineering)	27	• MSc	11				
4. Master of Science (Biosystems Engineering)	15	• Ph.D	11				
5. Doctor of Philosophy (Bioprocess Engineering)	16	6. Fellow	11				
6. Doctor of Philosophy (Biosystems Engineering)	12						
<b>TOTAL</b>	<b>560</b>	<b>TOTAL</b>	<b>73</b>	<b>TOTAL</b>	<b>31</b>		
• Bachelor	490			MSc	12		
• Master	42			Ph.D	19		
• Doctor of Philosophy	28						

Updated: December 2015

Source: School of Bioprocess Engineering

The School of Environmental Engineering (PPKAS) was established in January 2006 after approval from the Ministry of Higher Education on 27 October 2005. The environmental engineering programme was first offered in the 2006/2007 academic session. A total of 30 students enrolled into this programme at that time. The first cohort from Environmental Engineering graduated in August 2010.

## SCHOOL OF ENVIRONMENTAL ENGINEERING

Jadual 5.11: School of Environmental Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)	Ratio Staff & Students			
1. Bachelor of Engineering (Environmental)	280	1. Lecturers 2. PLV 3. Technician 4. Admin/Support Staff	38 7 4 4	Expatriate Local	1 37	Overall Overall (Lecturer) Bachelor Doctor of Philosophy	1:10 1:18 1:16.7 1:2.6
2. Bachelor of Engineering (Building Engineering)	353						
3. Master of Science (Environmental)	25	5. Study Leave (SLAB / SLA):					
4. Master of Science (Building)	6	• PhD	12				
5. Master of Science (Civil Eng)	6	6. Fellow	5				
6. Philosophy Doctorate (Environmental Engineering)	16						
7. Philosophy Doctorate (Civil Engineering)	1						
8. Philosophy Doctorate (Building Engineering)	3						
<b>TOTAL</b>	<b>690</b>	<b>TOTAL</b>	<b>70</b>	<b>TOTAL</b>	<b>38</b>		
• Bachelor	633						
• Master of Science	37			MSc	16		
• Doctor of Philosophy	20			PhD	22		

Updated: December 2015

Source: School of Environmental Engineering

School of Business Innovation & Technopreneurship (PPIPT) was approved for inception on June 4, 2010. PPIPT was established to serve as a catalyst in disseminating knowledge in management and business not only to all departments at UniMAP, in particular, the engineering schools but also the society at large.

## SCHOOL OF BUSINESS INNOVATION AND TECHNOPRENEURSHIP

Table 5.12: School of Business Innovation and Technopreneurship

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)	Ratio Staff & Students			
1. Bachelor of Business (Hons) (International Business)	816	1. Lecturers	54	Expatriate	3	Overall (Lecturer)	1:35
		2. Admin/ Support Staff	7	Local	51	Bachelor	1:39
2. Bachelor of Business (Hons) (Engineering Entrepreneurship)	747	3. Study Leave (SLAB / SLAI) : • PhD	11			Master	1:15
3. Master of Business Administration (Engineering Management)	177	4. Fellow	8			Doctor of Philosophy	1:7
4. MSc	31						
5. PhD	93						
<b>TOTAL</b>	<b>1864</b>	<b>TOTAL</b>	<b>80</b>	<b>TOTAL</b>	<b>54</b>		
• Bachelor	1563			MSc	40		
• Master of Management	177			PhD	14		
• MSc	31						
• PhD	93						

Updated: December 2015

Source: School Of Business Innovation and Technopreneurship



## INSTITUTE OF NANO ELECTRONIC ENGINEERING (INEE)

Table 5.13: Institute of Nano Electronic

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)	Ratio Staff & Students
1. Master of Science	18	1. Lecturers 10	Expatriate 3	MSc -
2. Doctor of Philosophy	23	2. Admin/ Support Staff 5 3. Study Leave (SLAB / SLAI) 4 4. Technical 6	Local 7	PhD -
<b>TOTAL</b>	<b>41</b>	<b>TOTAL</b> <b>25</b>	<b>TOTAL</b> <b>10</b>	

Updated: December 2015

Source: Institute of Nano Electronic

## SCHOOL OF HUMAN DEVELOPMENT AND TECHNO-COMMUNICATION (iKOM)

Table 5.14: School of Human Development and Techno-communication

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)	Ratio Staff & Students
1. Master of Science	7	1. Academic 41	1. Expatriate 3	-
2. Doctor of Philosophy	28	2. Admin/ Support Staff 17 3. Study Leave (SLAB / SLAI) 8	2. Local 38	-
<b>TOTAL</b>	<b>35</b>	<b>TOTAL</b> <b>66</b>	<b>TOTAL</b> <b>41</b>	<b>-</b>

Updated: December 2015

Source: School of Human Development and Technocommunication



Welcome to all students to our faculty , our aim is to develops the communication skills of UniMAP students in different fields such as language, Social Communication, culture history and information technologies ideas . Then they will be capable to understand and work easily with outside world and get enough communication knowledge to develops the country and be part of the scientist and inventors in the world.

## INSTITUTE OF ENGINEERING MATHEMATICS

Table 5.15: Institute of Engineering Mathematics

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)		Ratio Staff & Students
			Expatriate	Local	
Master of Science (Mixed Mode)	12	Academic	43	1	
Master of Science (Research)	7	Tutor	1		
Doctor of Philosophy	14	Admin/ Support Staff	6		
		Study Leave (SLAB / SLAI)	8		
		Fellow	10		
<b>TOTAL</b>	<b>33</b>	<b>TOTAL</b>	<b>68</b>	<b>TOTAL</b>	<b>51</b>

Updated : December 2015

Source : Institute of Engineering Mathematics



Institute of Engineering Mathematics (IMK) UniMAP is a centre for preliminary planning and monitoring the curriculum of Engineering Mathematics in UniMAP. IMK also serves as a research institute of engineering mathematics as well as referral centres and provide expertise in the field of mathematical research methodology, simulation, statistical and operational research. Moreover, IMK act as a training centre for the campus community and off-campus in the fields related to mathematics.

Faculty of Engineering Technology (Fe-Tech) was established at Universiti Malaysia Perlis (UniMAP) in 2013. Its establishment is in line with the objectives of the Technical University in Malaysia under the Malaysian Technical University Network, (MTUN), which is to educate and train highly talented workforce to contribute to the advanced industrial countries, in addition to being a catalyst for national strategies to achieve high-income nation status.

## FACULTY OF ENGINEERING TECHNOLOGY

Table 5.16: Faculty of Engineering Technology

Programmes	Enrolment (Total)	Staff (Total)	Lecturers (Total)	Ratio Staff & Students
1. Bachelor of Civil Engineering Technology (Hons) (Construction)-	209	1. Lecturers + (Teaching Engineer) 48	113 8 105	Overall (Lecturer) 1:20 Bachelor 1:20
2. Bachelor of Chemical Engineering Technology (Hons) (Industrial Chemical Process)	172	2. Admin/ Support Staff 40		Doctor of Philosophy -
3. Bachelor of Engineering Technology (Hons) (Industrial Biotechnology)	124	3. Study Leave (SLAB / SLA) : 5 4. Fellow 59		
4. Bachelor of Engineering Technology (Electrical) (Hons) (Industrial Power)	189			
5. Bachelor of Electrical Engineering Technology (Hons) (Robotics and Automation Technology)	154			
6. Bachelor of Electronic Engineering Technology (Hons) (Electronic System)	131			
7. Bachelor of Electronic Engineering Technology (Hons) (Electronic Telecommunication Design)	143			
8. Bachelor of Electronic Engineering Technology (Hons) (Electronic Network Design)	157			



9. Bachelor of Electronic Engineering Technology (Hons) (Integrated Electronic)	115					
10. Bachelor of Mechanical Engineering Technology (Hons) (Machining)	214					
11. Bachelor of Mechanical Engineering Technology (Hons) (Agricultural Systems)	177					
12. Bachelor of Mechanical Engineering Technology (Hons) (Product Development)	133					
13. Bachelor of Mechanical Engineering Technology (Hons) (Materials Processing)	149					
<b>TOTAL</b>	<b>2238</b>	<b>TOTAL</b>	<b>201</b>	<b>TOTAL</b>	<b>113</b>	
				MSc	<b>76</b>	
				PhD	<b>37</b>	

Updated: December 2015

Source: Faculty of Engineering Technology



## INSTITUTES

- Institute of Engineering Mathematics
- Institute of Nano Electronic Engineering
- Institute of Sustainable Agrotechnology (INSAT)

## FACULTY

- Faculty of Engineering Technology

## ACADEMIC SUPPORT CENTRE

- Centre for Communication Skills and Entrepreneurship
- Center for Industrial and Governmental Collaboration (CIGC)
- Centre for Engineering
- Centre for Co-Curriculum
- Centre for International Affairs
- Centre for Information and Communication Technology
- Library
- Centre for Sustainable Academic Leadership Development (LEAD)



## CENTER OF EXCELLENCE (CoE)

- Centre of Excellence for Advanced Sensor Technology (CEASTech)
- Centre of Excellence for Geopolymer and Green Technology (CEGeoTech)
- Centre of Excellence for Renewable Energy (CERE)
- Centre of Excellence Advance Communication Engineering Centre
- Centre of Excellence Advanced Multi-Disciplinary MEMS –Based Integrated Electronics NCER (AMBIENCE)
- Centre of Excellence Unmanned Aerial Systems (UAS)
- Industry Centre of Excellence (ICoE) Healthcare Cluster



# 06 Quality Control





## CERTIFICATION FOR BACHELOR OF ENGINEERING PROGRAMMES

Table 6.1: Accreditation Certification for Bachelor of Engineering Programme by the Board of Engineers, Malaysia (BEM)

No.	Programme	Accreditation (Year of Accredited)	EAC Reference No.	Certificate No.
1.	Bachelor of Engineering (Honours) (Computer Engineering)	2002-2006	BEM/041/0461/M/2005/2002 (0540)	185
		2011-2012	BEM/041/0460/M (002)	424
		2013-2015	BEM/041/0460/M (003)	753
2.	Bachelor of Engineering (Honours) (Microelectronic Engineering)	2002-2006	BEM/041/0471/M/2005/2002 (0539)	184
		2011-2012	BEM/041/0400/M (002)	425
		2013	BEM/041/0400/M (003)	658
		2014-2015	BEM/041/0400/M (004)	826
3.	Bachelor of Engineering (Honours) (Product Design Engineering)	2010-2011	BEM/041/0620/M (003)	426
		2012-2013	BEM/041//0620/M (004)	607
		2014-2015	BEM/041//0620/M (005)	800
4.	Bachelor of Engineering (Honours) (Mechanical Engineering)	2010-2011	BEM/041/0620/M (003)	427
		2012-2013	BEM/041/0620/M (004)	605
		2014-2016	BEM/041/0620/M (005)	798
5.	Bachelor of Engineering (Honours) (Biomedical Electronic Engineering)	2010-2011	BEM/041/0721/M (001)	428
		2012-2013	BEM/041/0721/M (002)	621
		2014-2016	BEM/041/0721/M (003)	789
6.	Bachelor of Engineering (Honours) (Bioprocess Engineering)	2010-2011	BEM/041/0700/M (001)	431
		2012-2013	BEM/041/0700/M (002)	603
		2014-2018	BEM/041/0700/M (003)	790
7.	Bachelor of Engineering (Honours) (Environmental Engineering)	2010-2011	BEM/041/0111/M (001)	454
		2012-2013	BEM/041/0111/M (002)	604
		2014-2016	BEM/041/0111/M (003)	792

8.	Bachelor of Engineering (Honours) (Manufacturing Engineering)	2010-2011	BEM/041/0630/M (002)	455
		2012-2013	BEM/041/0630/M (003)	606
		2014-2016	BEM/041/0630/M (004)	796
9.	Bachelor of Engineering (Honours) (Materials Engineering)	2010-2011	BEM/041/0740/M (002)	432
		2012-2013	BEM/041/0740/M (003)	610
		2014-2015	BEM/041/0740/M (004)	797
10.	Bachelor of Engineering (Honours) (Mechatronic Engineering)	2010-2011	BEM/041/0520/M (002)	433
		2012-2013	BEM/041/0520/M (003)	608
		2014-2016	BEM/041/0520/M (004)	799
11.	Bachelor of Engineering (Honours) (Metallurgical Engineering)	2010-2011	BEM/041/0730/M (002)	434
		2012-2013	BEM/041/0730/M (003)	609
		2014-2016	BEM/041/0730/M (004)	801
12.	Bachelor of Engineering (Honours) (Communication Engineering)	2010-2011	BEM/041/0440/M (002)	435
		2012-2013	BEM/041/0440/M (003)	602
		2014-2016	BEM/041/0440/M (004)	791
13.	Bachelor of Engineering (Honours) (Electrical System Engineering)	2010-2011	BEM/041/0300/M (002)	436
		2012-2013	BEM/041/0300/M (003)	598
		2014-2016	BEM/041/0300/M (004)	793
14.	Bachelor of Engineering (Honours) (Electronic Engineering)	2010-2011	BEM/041/0400/M (002)	429
		2012-2013	BEM/041/0400/M (003)	599
		2014-2016	BEM/041/0400/M (004)	794
15.	Bachelor of Engineering (Honours) (Industrial Electronic Engineering)	2010-2011	BEM/041/0640/M (002)	430
		2012-2013	BEM/041/0640/M (003)	600
		2014-2016	BEM/041/0640/M (004)	795



16.	Bachelor of Engineering (Honours) (Polymer Engineering)	2011-2012	BEM/041/0750/M (001)	526
		2013	BEM/041/0750/M (002)	659
		2014-2015	BEM/041/0750/M (003)	825
17.	Bachelor of Engineering (Honours) (Civil Engineering)	2012-2013	BEM/041/0100/M (001)	657
		2014-2016	BEM/041/0100/M (002)	827
18.	Bachelor of Engineering (Honours) (Computer Network Engineering)	2013-2014	BEM/041/0700/M (001)	750
		2015-2017	BEM/041/0700/M (002)	-
19.	Bachelor of Engineering (Honours) (Biosystems Engineering)	2012-2014	BEM/041/0461/M (001)	751
		2015-2016	BEM/041/0461/M (002)	-
20.	Bachelor of Engineering (Honours) (Photonics Engineering)	2012-2013	BEM/041/0400/M (001)	752
		2014-2016	BEM/041/0400/M (002)	828
21	Bachelor of Engineering (Honours) (Electrical Energy System Engineering)	2014-2016	BEM/041/0330/M (001)	913

Updated: **December 2015**

Source: **Qualification and Accreditation Unit**

Table 6.2: Certification for Bachelor of Engineering Programme by the Malaysian Qualifications Agency (MQA)

No.	Programme	Accreditation (Validation)	Certificate Series No.	Registration No.
1.	Bachelor of Engineering (Honours) (Materials Engineering)	2007-2009	04711	AA0010
		2010-2011	04672	AA0362
2.	Bachelor of Engineering (Honours) (Industrial Electronic Engineering)	2007-2009	04710	AA0006
		2010-2011	04670	AA0360
3.	Bachelor of Engineering (Honours) (Electronic Engineering)	2007-2009	04706	AA0005
		2010-2011	04667	AA0357
4.	Bachelor of Engineering (Honours) (Mechanical Engineering)	2007-2009	04714	AA0367
		2010-2011	04675	AA0365
5.	Bachelor of Engineering (Honours) (Mechatronic Engineering)	2007-2009	04707	AA0008
		2010-2011	04668	AA0358
6.	Bachelor of Engineering (Honours) (Metallurgical Engineering)	2007-2009	04730	AA0011
		2010-2011	04673	AA0363
7.	Bachelor of Engineering (Honours) (Manufacturing Engineering)	2007-2009	04709	AA0009
		2010-2011	04671	AA0361
8.	Bachelor of Engineering (Honours) (Communication Engineering)	2007-2009	04705	AA0004
		2010-2011	04666	AA0356
9.	Bachelor of Engineering (Honours) (Product Design Engineering)	2007-2009	04713	AA0366
		2010-2011	04674	AA0364
10.	Bachelor of Engineering (Honours) (Electrical System Engineering)	2007-2009	04708	AA0007
		2010-2011	04669	AA0359
11.	Bachelor of Engineering (Honours) (Microelectronic Engineering)	2010-2011	04742	AA0346
12.	Bachelor of Engineering (Honours) (Bioprocess Engineering)	2010-2011	04737	AA0344
13.	Bachelor of Engineering (Honours) (Environmental Engineering)	2010-2011	04736	AA0343
14.	Bachelor of Engineering (Honours) (Computer Engineering)	2010-2011	04676	AA0347
15.	Bachelor of Engineering (Honours) (Biomedical Electronic Engineering)	2010-2011	04736	AA0345



## CERTIFICATION FOR DIPLOMA OF ENGINEERING PROGRAMMES

Table 6.3: Certification for Diploma in Engineering Programme by the Malaysian Qualifications Agency (MQA) and Public Service Department of Malaysia (JPA)

No.	Programme	Certification (Year)	Reference No.
1.	Diploma in Engineering (Electric Engineering)	2009	11141
2.	Diploma in Engineering (Computer Engineering)	2009	11139
3.	Diploma in Engineering (Mechatronic Engineering)	2009	11140
4.	Diploma in Engineering (Metallurgical Engineering)	2009	11143
5.	Diploma in Engineering (Microelectronic Engineering)	2009	11138
6.	Diploma in Engineering (Manufacturing Engineering)	2009	11142

Recognition of Qualifications recognized as equivalent to Diploma in Engineering by Higher Education Institutions (IPT) for purposes of appointment to the appropriate positions in the Public Service of Malaysia.

## CERTIFICATION FOR BACHELOR OF BUSINESS PROGRAMMES

Table 6.4: Certification for Bachelor of Business Programme by the Malaysian Qualifications Agency (MQA)

No.	Programme	Certificate of Accreditation (Year)	Serial No.	Registration No.
1.	Bachelor of Business (Honours) (International Business)	2012	06935	MQA/FA2217
2.	Bachelor of Business (Honours) (Engineering Entrepreneurship)	2012	06940	MQA/FA2216

Certification of Accreditation has attained the quality assurance standards set by the Agency and is in compliance with the Malaysian Qualifications Framework.

## CERTIFICATION FOR MASTER OF BUSINESS ADMINISTRATION PROGRAMMES

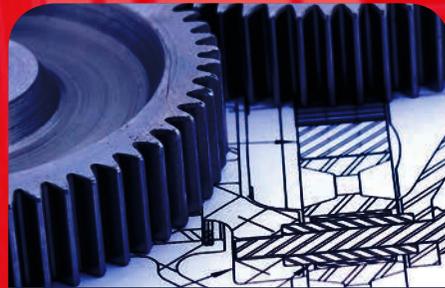
Table 6.5: Certification for Master of Business Administration Programme by the Malaysian Qualifications Agency (MQA)

No.	Programme	Certificate of Accreditation (Year)	Serial No.	Registration No.
1.	Master of Business Administration (Engineering Management)	2013	08318	MQA/FA0514

Certification of Accreditation has attained the quality assurance standards set by the Agency and is in compliance with the Malaysian Qualifications Framework.

### CONTINUING ACCREDITATION PROCESS BY BOARD OF ENGINEERS, MALAYSIA (BEM) FOR BACHELOR OF ENGINEERING PROGRAMMES, UniMAP

- Product Design Engineering
- Manufacturing Engineering
- Mechanical Engineering
- Mechatronic Engineering
- Biomedical Electronic Engineering
- Bioprocess Engineering
- Environmental Engineering
- Building Engineering
- Computer Engineering
- Communication Engineering
- Microelectronic Engineering
- Electronic Engineering
- Electrical System Engineering
- Industrial Electronic Engineering
- Materials Engineering
- Metallurgical Engineering
- Polymer Engineering
- Computer Network Engineering
- Biosystems Engineering
- Photonics Engineering
- Electrical Energy System Engineering



### PROCESS OF QUALITY REVIEW IN PERIODICALLY BY MALAYSIAN QUALIFICATIONS AGENCY (MQA) FOR DIPLOMA IN ENGINEERING PROGRAMMES, UNIMAP

- Electric Engineering
- Computer Engineering
- Mechatronic Engineering
- Metallurgical Engineering
- Microelectronic Engineering
- Manufacturing Engineering

# 07



Academic  
Infrastructure

# ACADEMIC INFRASTRUCTURE



Table 7.1: Types of Facilities Provided

Types of Facilities	Total
Laboratories (Teaching and Research Lab)	160
Engineering Centre	1
Teaching Factory	1
Semiconductor Clean Room	1
Agro Technology Research Station	1
Lecture Halls/Classrooms	117

Updated : December 2015  
Source : Development Department

# 08



Centre for Information and  
Communication (ICT)



Table 8.1: Facilities Provided

No.	Facilities	Speed/ Total
1.	Access to internet from Data Centre, Kubang Gajah Campus	1000 Mbps
2.	Number of location connected internet to Data Centre, Kubang Gajah Campus	29 premises
3.	Access Internet and Internet from Centre for Engineering, Kuala Perlis Data Centre, Kubang Gajah Campus	30 Mbps
4.	Number of location connected internet to Centre of Engineering, Kuala Perlis	5 premises
5.	Access internet from Data Centre School of Mechatronic, Pauh Putra Campus	1000 Mbps
6.	Number of location connected internet to Data Centre School of Mechatronic Engineering, Pauh Putra Campus	14 premises
7.	Access to internet from Data Centre School of Mechatronic Engineering, Pauh Putra Campus to Data Centre, Kubang Gajah Centre	20 Mbps
8.	Access from premises to ICT Centre, Kubang Gajah Campus / Centre for Engineering, Kuala Perlis/ Mechatronic Data Centre, Pauh Putra Campus	1.5 Mbps = 2 premises 2 Mbps = 14 premises 4 Mbps = 5 premises 6 Mbps = 4 premises 8 Mbps = 2 premises 10 Mbps = 1 premis 16 Mbps = 2 premises
9.	Number of users	9,227 students 2,098 staff
10.	Number of UTP data source	11,738 units
11.	Number of Wireless Access Point	180 units
12.	Storage attached network capacity	6 Terabyte
13.	Number of staffs email accounts – Zimbra Mail	2,084 users
14.	Number of students email accounts – Zimbra Mail	9,017 users
15.	Number of Smart Card and Biometric Readers for Access Control System/Time Management System	140 units
16.	Number of locations for IP cameras	106 locations

## UniMAP INFORMATION SYSTEM

### OFFICIAL WEBSITE

<http://www.unimap.edu.my>

### UNIVERSITY PORTAL

<http://portal.unimap.edu.my>

### ACADEMIC MANAGEMENT INFORMATION SYSTEM

<http://amis.unimap.edu.my>

### GRADUATE ACADEMIC MANAGEMENT INFORMATION SYSTEM

<http://gamis.unimap.edu.my>

### HUMAN RESOURCES MANAGEMENT SYSTEM

<http://iushrm.unimap.edu.my>

### FINANCIAL MANAGEMENT SYSTEM

<http://siskewangan.unimap.edu.my>

### LIBRARY MANAGEMENT SYSTEM

<http://lib.unimap.edu.my>

### TIME ATTENDANCE SYSTEM

<http://attendance.unimap.edu.my>

### LEARNING MANAGEMENT SYSTEM

<http://elearning.unimap.edu.my>

### HEALTH CENTRE MANAGEMENT SYSTEM

<http://clinic.unimap.edu.my>

### R&D INFORMATION SYSTEM

<http://rnd.unimap.edu.my>

### ADVANCE LEARNING INFORMATION SYSTEM

<http://spl.unimap.edu.my/>

### HOSTEL MANAGEMENT SYSTEM

<http://homes.unimap.edu.my>

### ONLINE SYSTEM REQUIREMENT SPECIFICATION

<http://espec.unimap.edu.my>

### ONLINE STUDENT INFORMATION

<http://osi.unimap.edu.my>

### ONLINE FINANCIAL INFO SYSTEM

<http://ofis.unimap.edu.my>

### ONLINE OFFER LETTER

<http://offerletter.unimap.edu.my>

### STUDENT'S CONVOCATION INFORMATION SYSTEM

<http://econvo.unimap.edu.my>



### ONLINE COURSE REGISTRATION (DEGREE)

<http://courseregdeg.unimap.edu.my>

### ONLINE COURSE REGISTRATION (DIPLOMA)

<http://courseregdlp.unimap.edu.my>

### STUDENT AFFAIRS INFORMATION SYSTEM

<http://ehepa.unimap.edu.my>

### RELIEF FUND APPLICATION SYSTEM

<http://etabung.unimap.edu.my>

### ALUMNI INFORMATION SYSTEM

<http://ealumni.unimap.edu.my>

### UTILITY INFORMATION SYSTEM

<http://utility.unimap.edu.my>

### CAREER INFORMATION SYSTEM

<http://ecareer.unimap.edu.my>

### HUMAN CAPITAL DEVELOPMENT SYSTEM

<http://sismi.unimap.edu.my>

### ONLINE POSTGRADUATE INFORMATION

<http://opi.unimap.edu.my>

### ONLINE EXTENSION STUDY INFORMATION

<http://opl.unimap.edu.my>

Updated: December 2015

Source : Centre for Information and Communication (ICT)

# 09



Library



Table 9.1: Seating Capacity

No.	Facilities	Total
1.	Auditorium	184 seats
2.	Discussion Rooms	86 seats
3.	Postgraduate Lounge	35 seats
4.	Interactive Learning Rooms	12 seats
5.	Email Express	2 seats
6.	E-Newspaper	3 seats
7.	Game Station	2 seats
8.	Institutional Repository	1 seat
9.	Wired Carrels	237 seats
10.	Carrel Rooms	12 seats
11.	Laptop Zone	45 seats
12.	Infoaccess Lab	82 seats
13.	Massage Machine	4 seats
14.	Multimedia Station	2 seats
15.	Online Public Access Catalog (OPAC) & General Computer	127 seats
16.	Learning Pod	24 seats
17.	Interactive Learning Pod	12 seats
18.	Reading Area	1,251 seats
19.	Leisure Area (Newspaper Reading Area)	145 seats
20.	Leisure Area (Television Area)	41 seats
21.	Male & Female Prayer Room	60 seats
<b>TOTAL</b>		<b>2,367</b>



Table 9.2: Library Facilities

No.	Facilities	Total
1.	Wireless Internet Access	Available
2.	Digital Signage	6 units
3.	Email Express	2 units
4.	E-Newspaper	3 units
5.	Game Station	2 units
6.	Institutional Repository	1 unit
7.	Wired Carrels	237 units
8.	Lockers with Key/lock	262 units
9.	Lockers	236 units
10.	Photocopying Machine and Network Printing Stations	3 units
11.	Vending Machine	4 units
12.	Selfcheck Stations	7 units
13.	Book Drop Stations	3 units
14.	Water Dispenser	3 units
15.	Celcom Value Added Machinery	1 unit
16.	Massage Machine	4 units
17.	Multimedia Digital Kiosk	1 unit
18.	Multimedia Station	2 units
19.	Online Public Access Catalog (OPAC) & General Computer	127 unit

Table 9.3: Library Collections (Until October 2015)

No.	Facilities	Total
1.	Books and Bound Journals (Oct 2015)	50,529 copies
2.	Electronic Books (e-Books)	2,027,392 titles
3.	Electronic Journal (e-Journals)	16,000 titles
4.	Printed Journals	48 titles
5.	Media Items (Oct 2015)	8,045 item
<b>TOTAL</b>		<b>2,102,014</b>

Figure 9.1: Library Collections Chart (Until October 2015)

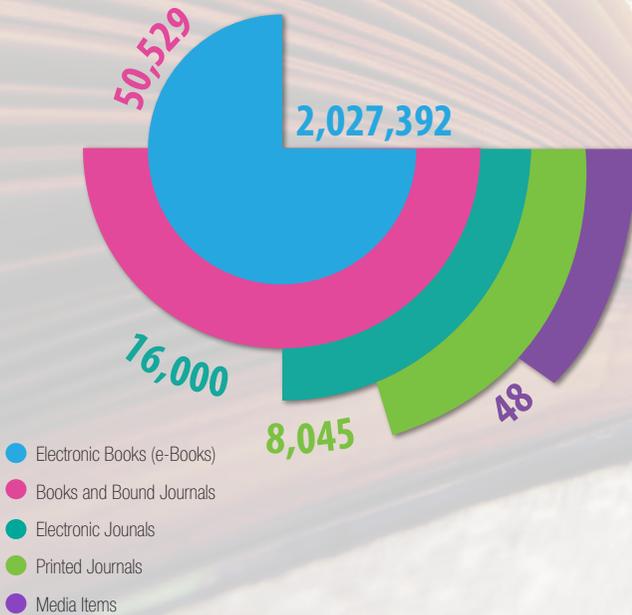


Table 9.4: Electronic Resources

No.	Facilities	Areas
1	ACM Digital Library	Information Technology
2	ASME (Association of Mechanical Engineers) Digital Library	Engineering
3	ASME Scitation	Engineering
4	ASTM Digital Library (Include ASTM Standard)	Engineering
5	BERNAMA Library & Infolink Service	General
6	Britannica Online	General
7	CLJLAW	Law
8	Datamonitor - Marketline	Statistics
9	Ebrary	General
10	EBSCOHost - Business Source Complete Academic Search Premier	Science and Technology, Social Science, Humanities, Business
11	EBSCOHost e-books	General
12	Elsevier e-Books	Engineering
13	Emerald e-books	Business, Management, Economy
14	Emerald Emerging Market Case Studies	Engineering and Management
15	Emerald Management Journal 175	Engineering and Management
16	EndNote	Citation Management
17	e-Newspaper	General
18	EngNetBASE	Engineering
19	Gale Virtual Reference Library	Asian Studies
20	IEEE Xplore	Engineering
21	International Journal of Industrial Engineering : Theory, Application and Practice	Engineering
22	IOP Science	Physics
23	Journal Citation Reports	Publication
24	Journal of Medical Imaging and Health Informatics	Biomedical
25	JSTOR	Business
26	Key to Metal Steel	Engineering
27	Knovel	Engineering
28	Law Net (Malaysian Acts & Regulations)	General
29	Libguides	Online Publication



No.	Facilities	Areas
30	Libstaffer	Scheduling Management
31	Malaysian Standards Online	General
32	McGraw Hill Access Engineering	Engineering
33	MyLibrary	General
34	Oxford Reference Online Premium	General
35	Proquest Dissertation & Theses	Science and Engineering
36	SAE International Journal of Engines	Engineering
37	SAE International Journal of Fuel and Lubricants	Engineering
38	Sage E-Books	Social Science
39	ScienceDirect	Science and Technology
40	Scifinder	Engineering
41	Scival	Bibliometrics
42	Scopus	Citation Database
43	Sensor & Tranducers	Engineering
44	Sensor Letters	Engineering
45	SIAM Locus	Mathematic
46	SPIE Digital Library	Engineering
47	SpringerLink e-books	Science and Technology, Social Science and Humanities
48	SpringerLink e-journals	Science and Technology, Social Science and Humanities
49	Times Higher Education	Education
50	Web of Science	Citation Database
51	Wiley Online Library	Engineering and Mathematics
52	Wizfolio	Citation Management
53	Worldcat Local	Search Engine

Table 9.5: Electronic Resources by Categories  
(Until October 2015)

Category	Total
E-Journals	16,000 titles
E-Books	2,027,392 titles
<b>TOTAL</b>	<b>2,043,392 titles</b>



Figure 9.2: Electronic Resources by Categories  
(Until October 2015)



Table 9.6: Basic Circulations By Year  
(2003-October 2015)

Year	Total
2003	6,771
2004	13,867
2005	15,358
2006	23,118
2007	30,417
2008	43,859
2009	31,130
2010	42,075
2011	27,286
2012	35,994
2013	30,383
2014	34,410
Until Oct 2015	20,021
<b>TOTAL</b>	<b>354,689</b>

Figure 9.3: Basic Circulations by Year (2003-October 2015)

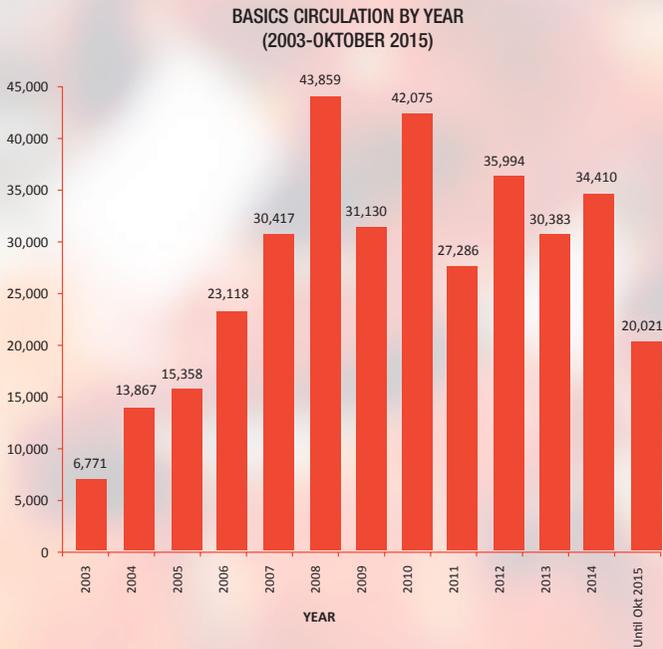


Table 9.7: Access to Electronic Resources by Year (2004-September 2015)

Year	Number of Searches	Number of Downloads
2004	663	8,336
2005	16,252	15,863
2006	52,233	125,733
2007	66,955	308,758
2008	84,416	250,967
2009	115,689	266,695
2010	161,819	431,311
2011	260,406	507,523
2012	277,622	514,708
2013	421,101	697,761
2014	431,016	1,207,625
Until Sept 2015	270,388	797,191
<b>TOTAL</b>	<b>2,158,560</b>	<b>5,132,471</b>

Figure 9.4: Access to E-Resources by Year

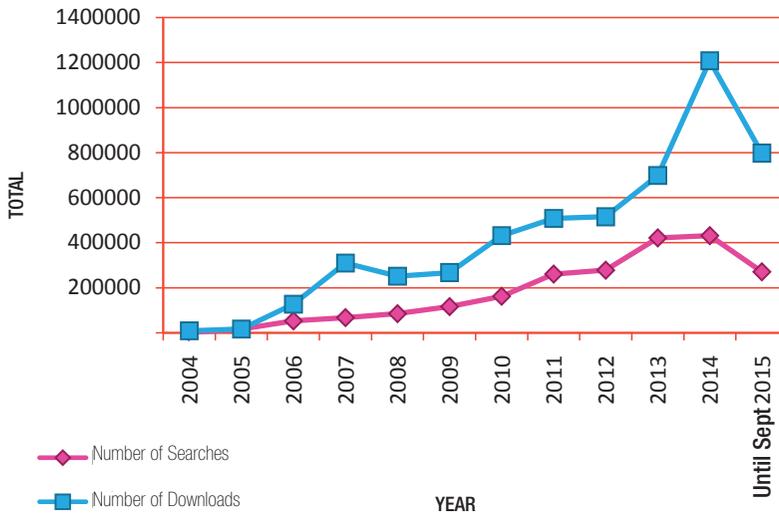


Table 9.8: Number of Digital Items (Institutional Repository and Fingertips Database) (Until October 2015)

No.	Collections	Total
1.	Final Year Project Papers & Reports	1,242
2.	Journal Articles	2,385
3.	Monograph & Chapter In Books	12
4.	Research & Innovations	479
5.	Theses & Dissertations	206
6.	Conference Papers	2,496
7.	Digital Images	168
8.	Document Delivery	22
9.	Newspaper Articles	22,224
10.	Past Year Exam Papers	3,950
11.	References Bank	1
12.	Library Conference	10
13.	Malaysiana Collection	5,803
<b>TOTAL</b>		<b>38,998</b>

Table 9.9: Tuanku Syed Faizuddin Putra Library (PTSFP)  
Universiti Malaysia Perlis in Ranking of World Repositories

Year	World Ranking	Malaysia Ranking
Dec 2010	239	4
Jan 2011	239	4
July 2011	141	4
Jan 2012	219	4
April 2012	219	3
Jan 2013	302	4
July 2013	380	6
Jan 2014	409	6
July 2014	594	13
Jan 2015	306	4
July 2015	269	4



## RESOURCE SHARING AT PERPUN, LOCAL AND INTERNATIONAL

- 1. Malaysian Thesis Online (MyTO)**  
<http://perpun.upm.edu.my/myTO>
- 2. Malaysian Union List Of Serial (MyULIS)**  
<http://perpun.upm.edu.my/myULIS>
- 3. Katalog Induk Kebangsaan (KIK)**  
<http://kik.pnm.my/>
- 4. Registry of Open Access Repositories (ROAR):**  
<http://roar.eprints.org/>
- 5. Directory of Open Access Repositories (DOAR)**  
<http://www.openoar.org/>
- 6. OCLC Open Worldcat**
- 7. Malaysian Online E-Resources Consortium (MOLEC)**

Updated: December 2015

Source: Perpustakaan Tuanku Syed Faizuddin Putra  
(PTSFP)

# 10



Academic  
Staff



Table 10.1: Total Number of Academic Staff

Lecturers (872)		Language Instructors, Tutors & Teaching Engineers (PLV)
Ph.D	Masters	Degree
338 (32.2%)	534 (50.8%)	179 (17.0%)

Table 10.2: Designation and Number of Academic Staff \*

Designation	Total
Professors	31
Visiting Professors	9
Associate Professors	52
Visiting Associate Professors	5
Senior Lecturers	303
Lecturers	464
Visiting Lecturers	5
Karyawan Tamu	3
Language Instructors	29
Tutors	4
Visiting Tutors	1
Teaching Engineers	142
Visiting Teaching Engineers	3

\* Total of Academic Staff is 1,051 or 47.9% from overall Staff

Adjunct Professors (11) Certified Engineers (27)

Table 10.3: Total Number of Non-Academic Staff \*

Level	Total
Officers (Grade 41 and above)	222
Technical Staff (in Learning Centres)	126
Technical Staff (other departments)	57
Others	737

\* Total of Non-Academic Staff is 1,142 or 52.1% from overall Staff

Table 10.4: Number of Staff According to Category

Category	Total
Permanent	1,475
Contract	668
Part-Time	24
Special Schemes University	26
<b>TOTAL</b>	<b>2,193</b>

Table 10.5: Lecturers Qualification by School and Department

No.	SCHOOL/DEPARTMENT	Ph.D	Masters	Total	% Ph.D
1.	School of Environmental Engineering	23	30	53	43.4
2.	School of Material Engineering	46	34	80	57.5
3.	School of Bioprocess Engineering	18	24	42	42.9
4.	School of Computer and Communication Engineering	45	37	82	54.9
5.	School of Mechatronic Engineering	47	47	94	50.0
6.	School of Microelectronic Engineering	30	28	58	51.7
7.	School of Manufacturing Engineering	20	42	62	32.3
8.	School of Electrical System Engineering	23	66	89	25.8
9.	School of Business Innovation and Technopreneurship	14	51	65	21.5
10.	Centre for Communication Technology and Human Development	16	30	46	34.8
11.	Faculty of Engineering Technology	34	79	113	30.1
12.	Institute of Engineering Mathematics	11	40	51	21.6
13.	Institute of Nano Electronic Engineering	6	2	8	75.0
14.	Centre for International Language	3	22	25	12
15.	UniMAP Press	0	1	1	0.0
16.	Student Affairs and Alumni Department	1	0	1	100.0
17.	Institute of Sustainable Agrotechnology	1	0	1	100.0
18.	Vice Chancellor's Office	0	1	1	0.0
<b>TOTAL</b>		<b>338</b>	<b>534</b>	<b>872</b>	<b>38.8%</b>

Updated: December 2015

Source: Personnel Unit



# 11

## External Examiners And Academic Advisors





## EXTERNAL EXAMINERS AND ACADEMIC ADVISORS



Table 11.1: List of Local and Foreign Experts and Academic Advisors by Schools

Schools/ Bachelor of Engineering (Hons)	EE	AA	Name/Organization
School of Microelectronic Engineering	•		Prof. Dr. Razali Ismail – Universiti Teknologi Malaysia
	•		Dato' Prof. Dr. Zainul Abidin Md. Shariff – Universiti Tenaga Malaysia
	•		Prof. Jugdut (Jack) Singh – La Trobe University Melbourne, Australia
	•		Prof. Dr. Hj Mohamed Khalil Mohd Haniff – Universiti Teknologi Malaysia
	•		Prof. Dr. Abu Bakar Mohammad – Universiti Teknologi Malaysia
	•		Prof. Cornelis Hendrik de Groot – University of Southampton, England
	•		Assoc.Prof Dr. Salwani Mohd Daud – Universiti Teknologi Malaysia
	•		Prof. Dr. Mohd Alaudin Mohd Ali – Universiti Kebangsaan Malaysia
	•		Professor Darren M. Bagnal
	•		Dr. Mansoor Alam – The University of Toledo, Ohio, USA
School of Computer and Communications Engineering	•		Prof. Dr. Kazi Mohiuddin Ahmed – Asian Institute of Technology, Thailand
	•		Prof. Dr. Dino Isa – University of Nottingham (Malaysian Campus)
		•	Dato' Prof. Dr. Ir. Zainul Abidin Md Shariff – Universiti Tenaga Nasional
	•		Professor Ir. Dr. Marzuki Mustafa - Universiti Kebangsaan Malaysia
	•		Professor Lakhmi C Jain - University Of South Australia
	•		Professor Dr. Mohd Adzir Mahdi - Universiti Putra Malaysia
	•		Assoc.Prof Dr. Abd Rahman Ramli
	•		Prof Peter S Hall - The University Of Birmingham
	•		Prof. Dr. Kasmiran Jumari – Universiti Kebangsaan Malaysia



<b>School of Material Engineering</b>	•	Prof. Dr. Hj. Zainal Ariffin Hj. Ahmad – Universiti Sains Malaysia
	•	Prof. Dr. Azman Hassan – Universiti Teknologi Malaysia
	•	Prof. Dr. Esah Hamzah – Universiti Teknologi Malaysia
	•	Prof. Ir. Dr. Mohamad Nor Berhan - Universiti Teknologi Malaysia
	•	Prof. Ir. Dr. Mariatti Jaafar @ Mustapha - Universiti Sains Malaysia
	•	Assoc.Prof Rosli Ahmad
<b>School of Mechatronic Engineering</b>	•	Prof. Dr. Garnini Dissanayake – University of Technology Sydney, Australia
	•	Prof. Dr. Mohd Nasir Tamin – Universiti Teknologi Malaysia
	•	Prof. Eiji Tomita – Okayama University, Japan
	•	Professor Dr. Ahmad Kamal Mohd Ihsan - Universiti Kebangsaan Malaysia
	•	Prof. Dr. Ishak Aris
	•	Prof. Ir. Dr. Sheikh Hussain Sheikh Salleh - Universiti Teknologi Malaysia

EE) External Examiners  
(AA) Academic Advisors

Schools/ Bachelor of Engineering (Hons)	EE	AA	Name/Organization
<b>School of Manufacturing</b>	•		Associate Professor Dr. Soullis Tavrou - Swinburne University of Technology Melbourne
	•		Prof. Dr. Zahari Taha - Universiti Malaysia Pahang
	•		Professor Datin Dr. Napsiah Ismail - Universiti Putra Malaysia
	•		Prof. Dr. Shamsuddin Sulaiman - Universiti Putra Malaysia
	•		Prof. Norhamidi Muhamad
<b>School of Electrical System Engineering</b>	•		Prof. Ir. Dr. Norman Mariun – Universiti Putra Malaysia
	•		Prof. Dr. Subhash Bhatia – Universiti Sains Malaysia
		•	Prof. Dr. Dalibor Stys – Institute of Physical Biology, University of South Bohemia
	•		Professor Dr. Hj. Badri Abu Bakar – Universiti Kuala Lumpur (British Malaysia Institute)
	•		Prof. Lalit Kumar Goel - Nanyang Technological University
	•		Prof. Ir. Dr. Abdul Halim Mohamed Yatim - Universiti Kebangsaan Malaysia
<b>School of Bioprocess Engineering</b>		•	Prof. Dr. Md. Ghazaly Shaaban – Universiti Malaya
	•		Prof. Ir. Dr. Mohd Sobri Takriff – Universiti Kebangsaan Malaysia
	•		Prof. Dr. Abdul Aziz Abdul Rahman – Universiti Malaya



School of Environmental Engineering	•	Prof. Dr Mohammed Dahlan Ibrahim – Universiti Malaysia Kelantan
	•	Dr Nur Adiana Hiau Abdullah – Universiti Utara Malaysia
	•	Prof. Dr. John R. Schermerhorn – College Of Business, Ohio University
	•	Associate Prof. Ir. Dr. Marlinda Abdul Malek – Uniten
	•	Prof. Ir. Dr. Hj. Md. Azlin Hj. Md. Said
School of Business Innovation and Technopreneuship	•	Assoc.Prof Dr Mohd Hassan Mohd Osman – Universiti Teknologi Malaysia
	•	Prof. Dr Mohd Khairuddin Hashim – Universiti Utara Malaysia
Microelectronic Engineering (Diploma Programme)	•	Assoc. Prof Dr. Razali Ismail – Universiti Teknologi Malaysia
Institute of Mathematics Engineering	•	Prof. Dr. Ahmad izani Md. Ismail
Faculty of Technology Engineering	•	Prof. Mohd Ali Hassan
		Assoc.Prof Dr. Mohamad Kasim Abdul Jalil
		Assoc.Prof Ir. Adnan Zulkifli
		Prof. Dr. Ahmad Zuhairi Abdullah
		Prof. Dr. Hj Khairul Aidil Azlin Abd Rahman
		Assoc. Prof. Madya Dr. Baharin Azahari
	Prof. Engr. Dr. Ishkandar Baharin	

Schools/ Bachelor of Engineering (Hons)	EE	AA	Name/Organization
Mechatronic Engineering (Diploma Programme)	•		Assoc.Prof Dr. Rosbi Mamat – Universiti Teknologi Malaysia
Manufacturing Engineering (Diploma Programme)	•		Dr. Ahmad Majdi Abdul Rani – Universiti Teknologi Petronas
Electrical Engineering (Diploma Programme)	•		Assoc.Prof Dr. Ismail Musirin – Universiti Teknologi MARA
School of Business Innovation and Technopreneurship		•	Prof. Ciaran O' Cathain Dari – Athlone Institute of Technology Ireland
School of Microelectronic Engineering			Dr. Watnabe Masahide (Adjunct Prof) Ir. Dr. Hor Por Jin (Adjunct Prof)
School of Electrical System Engineering			Dr. Ahmad Jaafar Abd Hamid (Adjunct Prof)
School of Material Engineering			Dr. Clement L. Higginbotham (Adjunct Prof)
School of Environmental Engineering			Dr. Ir. Abdul Aziz Arshad (Prof. Adjung) Tan Sri Jamilus Md. Husin (Prof. Adjung)



**School of Human Development and Technocommunication**

- Y.Bhg. Dr. Haji Juanda Haji Jaya (Adjunct Prof)
- Datuk Dr. Shamsul Amri Baharuddin (Adjunct Prof)
- Dato' Dr. Ismail Alias (Adjunct Prof)
- Y.Bhg. Dato' Mohamad Zabidi Zainal (Adjunct Prof)
- Prof. Dato' Dr. Haji Ahmad Sabirin Dato' Arshad (Adjunct Prof)
- Y.Bhg. Dato' Mohd Noor Abdullah (Adjunct Prof)
- Y.Bhg. Lt.Jen. Dato' Wira Haji Zulkifli Haji Zainal Abidin (Adjunct Prof)
- Y.Bhg. Drs. Sulaiman Abda (Adjunct Prof)

**School of Business Innovation and Technopreneuship**

- Professor Dr. Teng –Kee Tan (Adjunct Prof)
- Y.Bhg. Dato Ismail Bakar (Adjunct Prof)
- Y.Bhg. Dato Yusof Jusoh (Adjunct Prof)
- Prof. Dato' Dr. Sheikh Omar Abdul Rahman (Adjunct Prof)
- En. Baharudin Abd. Majid (Adjunct Prof)
- Mr. Helmut Batton (Adjunct Prof)
- Professor Dr. Li Choy Chong (Adjunct Prof)
- TYT Prof. Madya Dato' Syed Omar Al-Saggaff (Prof Adjung)
- Tan Sri Dr. Mohd Shukor Hj Mahfar (Adjunct Prof)

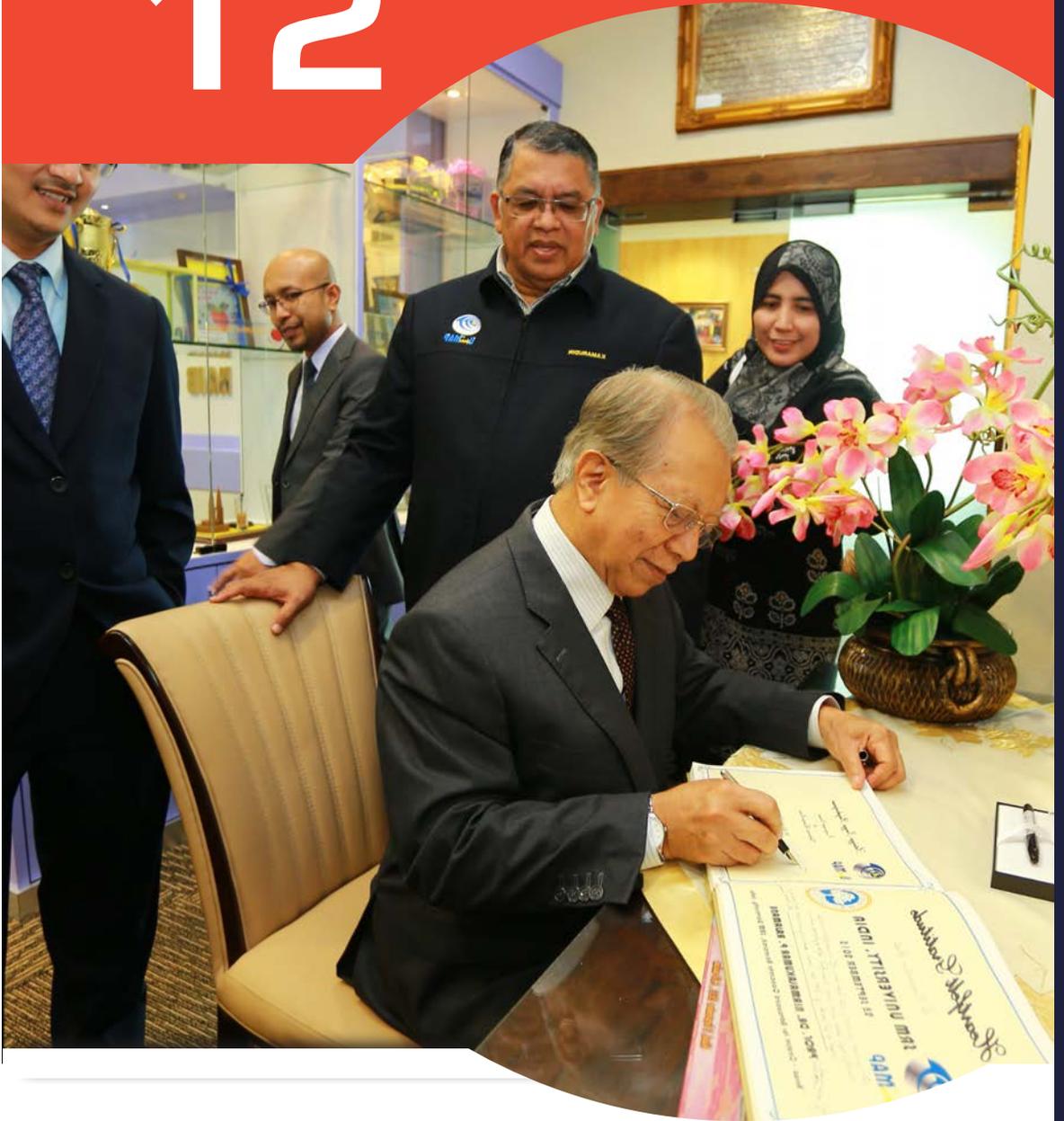
**Institute of Strategies Studies, Leadership and Community**

- YM Dato' Raja Arif Raja Ali (Adjunct Prof)
- Y.Bhg. Dato' Fuad Tan Sri Hassan (Adjunct Prof)

EE) External Examiners  
 (AA) Academic Advisors



# 12



Visiting  
Lecturers



Table 12.1: List of Visiting Lecturer for Semester 1 2015/2016 Academic Session

No.	Name	Organization
1	En. Mohd Subheynizam Saad	Aeropase Composites Malaysia Sdn. Bhd
2.	Thong Sze Yee	Flextronics Malaysia
3.	Ir. Dr. Hj. Kamsani Abdul Majid	Unipower Interlligent Sdn. Bhd
4.	En. Sarly Adly Sarkum	Honda Manufacturing Sdn. Bhd
5.	En. Zainuddin Md Zain	Aeropase Composites Malaysia Sdn. Bhd
6.	Pn. Rabinah Abu Bakar	TNB
7.	Ir. Abdul Rashid Haron	Transafe Consult Sdn. Bhd
8.	En. Yusmanizam Mohd Yusof	TNB
9.	Ir. Fazi Che Amat	Jurutera Nusantara Bersekutu Sdn. Bhd
10.	Pn. Azah Ahmad	SEDA Malaysia Cyberjaya
11	Lt. Kdr. (B) TLDM Ir. Nor Azizi Shairan	Perunding Iza'd Sdn. Bhd
12.	Ir. Baharin Hashim	Malakoff Power Berhad
13.	En. Mohd Noor Azimmi Redzuan	TNB
14.	Ir. Awang @ Abdul Hamid Taib	Perunding Sdn. Bhd
15.	En Jamal Abdul Nasser	JMobile Sdn. Bhd
16.	Ir. Muhd Aiman Afiq Abu Bakar	Shell Refining Company (Federation of Malaya) Berhad
17.	Encik Sreedharan Baskara Dass	Consultant, Intelligent Circuit Engineering
18.	Ir Muhammad Nazri Shafie	ABS Civil Consultant
19.	Ir Suhaimi Abd Aziz	OPUS Management Sdn Bhd
20.	Ibrahim bin Mohd. Don @ Dun	TECHNO CERAMIC
21.	Dr. Rosdi Ibrahim	SIRIM Berhad
22.	Ir. Arman Mokhtar	Jabatan Pengairan dan Saliran Malaysia
23.	En. Muhamad Izuan Mat Noor	Huawei Technologies Sdn. Bhd
24.	En. Mohd Khairolden Ghani	Construction Research Institute of Malaysia (CREAM)
25.	En. Mohd Ali Sulaiman	SIRIM Bhd
26.	Ir. Lee Chang Quan	PETRONAS Gas Berhad
27.	Ir. Mohd Rafael Mohd Shamsudin	Integrated Process Solution Sdn. Bhd

Updated : **December 2015**

Source : **Academic Management Unit**

# 13



Academic  
Calendar



**ACADEMIC CALENDAR 2015/2016 SESSION  
(ENGINEERING DIPLOMA PROGRAMME)**

Table 13.1: Academic Calendar 2015/2016 Session (Engineering Diploma Programme) 1st Semester

1 <sup>st</sup> SEMESTER 8 <sup>th</sup> June 2015 – 11 <sup>th</sup> October 2015 (18 Weeks)			
ACTIVITIES	DATE	PERIOD	NOTES
Registration New Intake / Orientation	1 <sup>st</sup> June 2015	7 <sup>th</sup> June 2015	<b>Hari Gawai</b> 1 <sup>st</sup> & 2 <sup>nd</sup> June 2015 Sarawak Only
			<b>Pesta Keamatan</b> 30 <sup>th</sup> & 31 <sup>st</sup> May 2015 Sabah only
			<b>Birthday of SPB Yang Di-Pertuan Agung</b> 6 <sup>th</sup> June 2015
Lecture	8 <sup>th</sup> June 2015	12 <sup>th</sup> July 2015	5 Weeks <b>Nuzul Al-Quran</b> 4 <sup>th</sup> July 2015
Mid Semester Break	13 <sup>th</sup> July 2015	19 <sup>th</sup> July 2015	1 Week <b>Hari Raya Aidilfitri</b> 17 <sup>th</sup> & 18 <sup>th</sup> July 2015
Lecture	20 <sup>th</sup> July 2015	20 <sup>th</sup> September 2015	<b>Independence Day</b> 31 <sup>st</sup> August 2015
			<b>Malaysia Day</b> 16 September 2015
Revision Week	21 <sup>st</sup> September 2015	27 <sup>th</sup> September 2015	1 Week <b>Hari Raya Aidiladha</b> 24 <sup>th</sup> & 25 <sup>th</sup> September 2015
Examination Week	28 <sup>th</sup> September 2015	16 <sup>th</sup> October 2015	3 Weeks -
Semester Break	17 <sup>th</sup> October 2015	15 <sup>th</sup> November 2015	<b>Awal Muharam</b> 14 <sup>th</sup> October 2015
			<b>Deepavali</b> 10 <sup>th</sup> November 2015

## ACADEMIC CALENDAR 2015/2016 SESSION ENGINEERING DIPLOMA PROGRAMME

Table 13.2: Academic Calendar 2015/2016 Session (Engineering Diploma Programme) 2nd Semester

2 <sup>nd</sup> SEMESTER				
16 <sup>th</sup> November 2015 – 20 <sup>th</sup> March 2016 (18 Weeks)				
ACTIVITIES	DATE	PERIOD	NOTE	
Lecture	16 <sup>th</sup> November 2015	03 <sup>th</sup> January 2016	7 Weeks	<b>Maulidur Rasul</b> 24 <sup>th</sup> December 2015  <b>Christmas</b> 25 <sup>th</sup> December 2015
Mid Semester Break	04 <sup>th</sup> January 2016	10 <sup>th</sup> January 2016	1 Week	
Lecture	11 <sup>th</sup> January 2016	28 <sup>th</sup> February 2016	7 Weeks	<b>Chinese New Year</b> 8 <sup>th</sup> & 9 <sup>th</sup> February 2016
Revision Week	29 February 2016	6 March 2016	1 week	-
Examination Week	7 Mac 2016	25 March 2016	3 weeks	-
Semester Break	26 <sup>th</sup> March 2016	5 <sup>th</sup> June 2016	10 Weeks	<b>Labour Day</b> 1 <sup>st</sup> May 2016  <b>Israk Mikraj</b> 5 <sup>th</sup> May 2016  <b>Birthday of DYMM Tuanku Raja Perlis</b> 17 <sup>th</sup> May 2016  <b>Wesak Day</b> 21 <sup>st</sup> May 2016  <b>Birthday of SPB Yang Di-Pertuan Agung</b> 4 <sup>th</sup> June 2016

## ACADEMIC CALENDAR 2015/2016 SESSION ENGINEERING DEGREE PROGRAMME 2015/2016

Table 13.3: Academic Calendar 2015/2016 Session (Engineering Degree Programme) 1st Semester

1 <sup>ST</sup> SEMESTER 8 September 2015 - 17 January 2016 (19 weeks)				
ACTIVITIES	DATE	DATE	PERIOD	NOTE
Registration New Intake / Orientation	1 September 2015	6 September 2015	6 days	<b>Independence Day</b> 31 <sup>st</sup> August 2015
Lecture	7 September 2015	8 November 2015	9 weeks	<b>Malaysia Day</b> 16 September 2015 <b>Hari Raya Aidiladha</b> 24 <sup>th</sup> & 25 <sup>th</sup> September 2015 <b>Awal Muharam</b> 14 <sup>th</sup> October 2015
Mid Semester Break	9 November 2015	15 November 2015	1 week	<b>Deepavali</b> 10 <sup>th</sup> November 2015
Lecture	16 November 2015	20 December 2015	5 weeks	-
Revision Week	21 December 2015	27 December 2015	1 week	<b>Maulidur Rasul</b> 24 <sup>th</sup> December 2015 <b>Christmas</b> 25 <sup>th</sup> December 2015
Examination Week	28 December 2015	17 January 2016	3 weeks	
Semester Break	18 January 2016	14 February 2016	4 weeks	<b>Chinese New Year</b> 8 <sup>th</sup> & 9 <sup>th</sup> February 2016



## ACADEMIC CALENDAR 2015/2016 SESSION ENGINEERING DEGREE PROGRAMME 2015/2016

Table 13.4 : Academic Calendar 2015/2016 Session (Engineering Degree Programme) 2nd Semester

2 <sup>nd</sup> SEMESTER 15 February - 26 June 2016 (19 weeks)				
ACTIVITIES	DATE		PERIOD	NOTE
Lecture	15 February 2016	10 April 2016	8 weeks	-
Mid Semester Break	11 April 2016	17 April 2016	1 week	-
Lecture	18 April 2016	29 May 2016	6 weeks	<b>Labour Day</b> 1 <sup>st</sup> May 2016  <b>Israk Mikraj</b> 5 <sup>th</sup> May 2016  <b>Birthday of DYMM Tuanku Raja Perlis</b> 17 <sup>th</sup> May 2016  <b>Wesak Day</b> 21 <sup>st</sup> May 2016
Revision Week	30 May 2016	5 June 2016	1 week	<b>Birthday of SPB Yang Di-Pertuan Agung</b> 4 <sup>th</sup> June 2016
Examination Week	6 June 2016	26 June 2016	3 weeks	<b>Nuzul Al-Quran</b> 22 <sup>th</sup> July 2016
Semester Break	27 June 2016	4 September 2016	10 weeks* Practicum session	<b>Hari Raya Aidilfitri</b> 6 <sup>th</sup> & 7 <sup>th</sup> July 2016  <b>Independence Day</b> 31 <sup>st</sup> August 2016

# 14

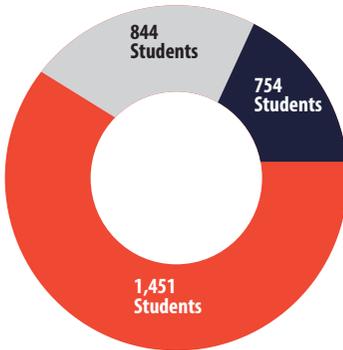


Student  
Enrolment

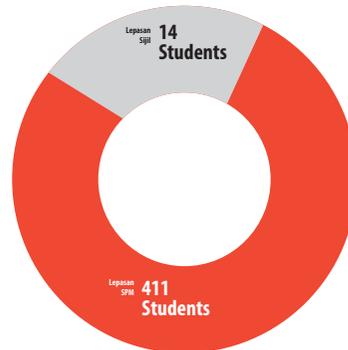


A. NUMBER OF STUDENTS REGISTERED FOR DEGREE AND DIPLOMA PROGRAMME 2015/2016 ACADEMIC SESSION

LOCAL STUDENTS



**37** Degree Programmes  
Total: 3,049 students



**06** Diploma Programmes  
Total: 425 students

Total  
3,474 students (Degree and Diploma Programme)

INTERNATIONAL STUDENTS

Number of Students Registered For Degree and Preparatory Programmes 2015/2016 Academic Session



**37** Degree Programmes  
Total: 554 students

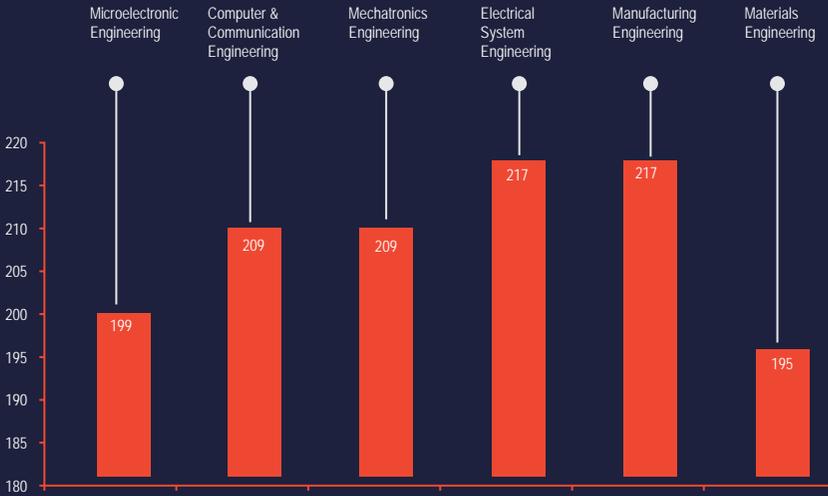
**1** Preparatory Programmes – English Courses  
Total: 37 students

Total  
591 students  
Degree and Preparatory Programme

B) STUDENT ENROLMENT

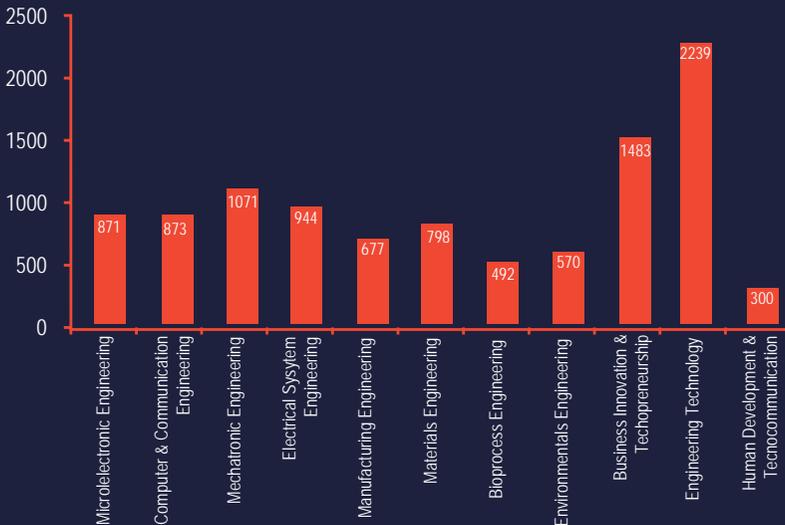
## ENROLMENT OF UNDERGRADUATE STUDENTS (DIPLOMA) ACCORDING TO SCHOOLS ACADEMIC SESSION 2015/2016: 1,246 STUDENT

Figure 14.1 : Enrolment of Undergraduated Students (Diploma) according to Schools Academic Session 2015/2016



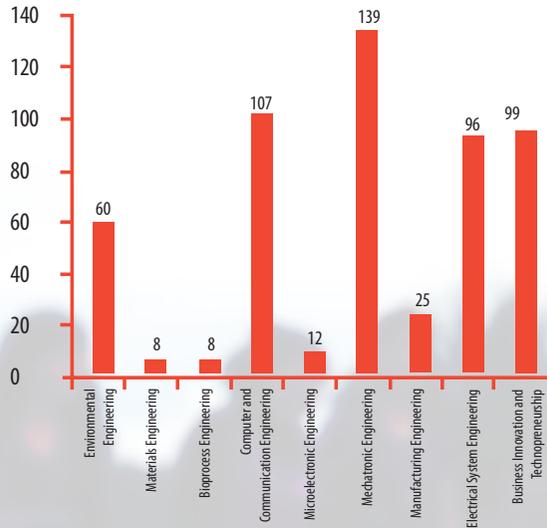
## ENROLMENT OF UNDERGRADUATE STUDENTS - DEGREE ACADEMIC SESSION 2015/2016: 10,318 STUDENT

Figure 14.2 : Enrolment of Undergraduate Students (Degree) according to Schools/Faculty (Academic Session 2015/2016)



## ENROLMENT OF INTERNATIONAL BACHELOR 'S DEGREE STUDENTS ACCORDING TO SCHOOL : 554 STUDENTS

Figure 14.3: Enrolment of International Bachelor's Degree Students According to School



## ENROLMENT OF MASTERS DEGREE STUDENTS ACCORDING TO SCHOOL : 740 STUDENTS

Figure 14.4 : Enrolment of Master Degree Students According to School



**ENROLMENT OF DOCTOR OF PHILOSOPHY (Ph.D)  
ACCORDING TO SCHOOL : 553 STUDENT**

Figure 14.5: Enrolment of Doctor of Philosophy (Ph.D) According to School





# 15 Students Enrolment Projection





Figure 15.1: Estimated Projections of Student's enrolments for Bachelor's Degree and Diploma Programmes for the years 2012-2020

Engineering Degree	5838	5807	6275	7246	7055	7139	7139	7139	7139
Business Degree	937	1092	1279	1605	2212	2762	3587	3862	4687
Science Social Degree	0	0	142	325	545	770	880	990	1100
Engineering Technology Degree	296	932	1585	3223	4195	4779	4999	5220	5440
Engineering Diploma	987	1206	1225	1396	1724	2124	2524	2684	2844



UniMAP  
Campus



Table 16.1: UniMAP Main Campus Location by Department

Location	Department
<b>Pauh Putra Main Campus</b>	Project Management Unit (Development Department), School of Mechatronic Engineering, School of Manufacturing Engineering, School of Microelectronic Engineering, School of Electrical System Engineering, School of Computer and Communication Engineering, TuanKu Syed Faizuddin Putra Library, Syed Sirajuddin Areeb Putra Sports Complex, Lecture Halls Complex, Institute of Mathematic Engineering, Engineering & Innovation Centre, Teaching Factory Labs, Centre for Industrial Collaboration & Governmental Collaboration (CIGC), Store (Development Department), Tunku Abdul Rahman Residential College (KKA), Motorsport Technology Research Unit, UniMAP Circuit (Go-Cart), Health Centre, Ilmu Hall (Exam), ICT Data Centre, Musolla, Security Department, UniMAP FM and Industry Centre of Excellence (ICoE) Healthcare
<b>Sungai Chuchuh Main Campus</b>	Institute of Sustainable Agrotechnology (INSAT) Office, Labs and Lecture Halls, 14 acres of land for Agrotechnology Station

Table 16.2: UniMAP Distributed Campus Location by Department

Location	Department
<b>KWSP Building, Kangar</b>	Chancellor Department: Vice Chancellor Office , Deputy Vice Chancellor (Academic & International) Office, Deputy Vice Chancellor (Research & Innovation) Office, Assistant Vice Chancellor (Corporate Communication) Office, Registrar Department, Media Unit, Internal Audit Unit, Legal Unit, Library, Centre for Research Management & Development, Asset & Inventory Management Unit and Seminar Room
<b>TNB Building, Kangar</b>	Bursary Department
<b>Jalan Bukit Lagi, Kangar</b>	Development Department, Store (Registrar Department)
<b>Taman Kechor Indah Fasa II, Kangar</b>	Centre for International Affairs, Centre For Sustainable Academic Leadership Development, UniMAP Holdings Sdn. Bhd. Office, Senate Meeting Room and Seminar Room
<b>Pengkalan Indah Building, Kangar</b>	Cultural and Recreation Unit and Centre Of Excellence (Research Cluster)
<b>KIK Building, Kangar</b>	Security Department
<b>Jln. Penjara, Kangar</b>	Kapitol Hall
<b>Jln. Raja Syed Alwi, Kangar</b>	Properties Management Unit and Mechanical Unit (Development Department)
<b>Taman Aman</b>	International Residential College
<b>Wang Ulu, Bintong</b>	Tan Sri Aishah Ghani Residential College (KKG) and Clinic
<b>Education Centre Complex Jejawi I</b>	School of Human Development and Techno Communication (iKOM)
<b>Education Centre Complex Jejawi II</b>	School of Material Engineering, Centre of Excellence Geopolymer and Green Technology (CEGeoGTech), Centre of Excellence Advanced Sensor Technology (CEASTech), Halls and Lecture Rooms and labs.
<b>Education Centre Complex Jejawi III</b>	School of Bioprocess Engineering, School of Environmental Engineering, Labs, Halls and Lecture Rooms

<b>Kubang Gajah</b>	Deputy Vice Chancellor (Student Affairs and Alumni) Office, Centre for Information and Communication Technology, University House, UniMAP Gallery, Corporate Communication Unit, PALAPES Office, SUKSIS Office, RELASIS Office, Labs, Halls and Lecture Rooms
<b>Taman Semarak, Kuala Perlis</b>	Tun Dr. Ismail Residential College (KKE)
<b>Taman Bukit Kubu Jaya, Jalan Sarawak, Kuala Perlis</b>	Diploma Programme Complex, Labs, Halls and Lecture Rooms
<b>Automart, Kuala Perlis</b>	Semiconductor Clean Room, AMBIENCE Industry Centre of Excellence, Halls and Lecture Rooms
<b>Taman Seberang Jaya, Kg. Wai, Kuala Perlis</b>	Tun Hussein Onn Residential College (KKC), Tun Dr. Mahathir Residential College (KKD) and Multipurpose Hall
<b>Taman Seberang Ramai, Kg. Wai, Kuala Perlis</b>	Tun Ghafar Baba Residential College (KKF), Student Housing & Accommodation Unit, Halls, Lecture Rooms and Clinic
<b>Taman Mewah, Kangar</b>	Pewaris Generasi Nursery and Kindergarten UniMAP
<b>Floor 26, Menara Dato' Onn (PWTC), Jalan Tun Ismail, 50480 Kuala Lumpur</b>	Anjung UniMAP Kuala Lumpur
<b>Taman Pertiwi Indah, Seriab, Kangar</b>	Multimedia Unit, Centre for Graduate Studies, Occupational Safety and Health Unit, Institute of Strategic, Leadership & Community, Centre for Corporate Development and Quality Management, Institute of Nanoelectronic Engineering, Centre for Publication, Centre Of Excellence, Accreditation and Qualification Unit (UNIKA), Centre for Malaysian Royal Institutional Studies and Seminar Rooms
<b>Suite 1.10, 1<sup>st</sup> Floor KHTP Business Centre Kulim Hi-Tech Park</b>	Anjung UniMAP Kulim
<b>Education Centre Complex Jejawi IV</b>	Centre for Entrepreneurship Development, Commercialisation and Intellectual Properties Management, Centre for Co-curriculum, Professor's Council Office, Lecture Room and Labs
<b>Kuarters Institusi Pendidikan Simpang Empat</b>	Tun Abdullah Ahmad Badawi Residential College (KKI)
<b>Taman Pengkalan Asam, Kangar</b>	Lecture Rooms
<b>Taman Haz Melati, Beseri</b>	School of Bioprocess Engineering
<b>No. 30, 32 &amp; 34, Jalan Besar, Kuala Perlis</b>	Islamic Centre
<b>Chalet Mukim Kurong Tengah</b>	Guest House
<b>Pusat Perniagaan Pengkalan Jaya, Kangar</b>	School of Business Innovation and Technopreneurship (PPIPT), Centre Of Excellence Advanced Communication Engineering Centre (ACE) and Centre Of Excellence Unmanned Aerial System (UAS)
<b>Taman Ira Jaya, Kangar</b>	Tun Abdul Razak Residential College (KKB)
<b>Taman Seri Bahagia, Kangar</b>	Tun Abdul Razak Residential College (KKB)
<b>Workers' Hostels Pauh</b>	Centre for International Languages
<b>UniCITI Alam Campus</b>	Faculty of Engineering Technology, UNICITI Alam Residential College, School of Diploma Programme, Clinic, Labs, Halls and Lecture Rooms
<b>Medan Universiti Apartments, Pauh Putra</b>	Pauh Putra Residential College & Student Affairs and Alumni Department.

Updated: December 2015

Source: Development Department

# 17

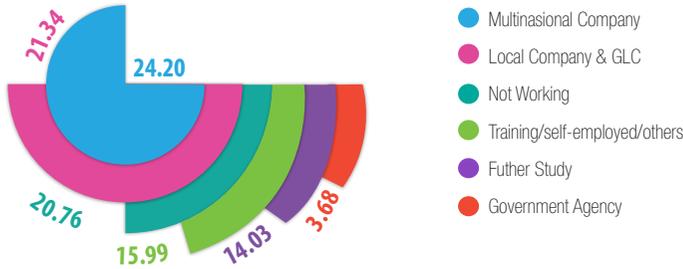


Alumni year's  
2006-2015



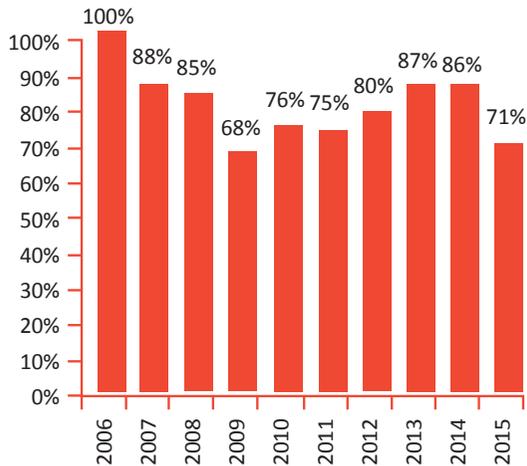
## GRADUATE EMPLOYMENT STATUS WITHIN 6 MONTHS AFTER GRADUATION YEAR (2006-2015)

Chart 17.1: Graduate employment status within 6 months after Graduation Year (2006-2015)



## PERCENTAGE OF GRADUATE EMPLOYABILITY WITHIN 6 MONTH OF GRADUATION (2006-2015)

Chart 17.2: Percentage of graduate Employability within 6 month of graduation (2006 – 2015)



Updated : December 2015  
Source : CIGC

# 18



Recipient of the  
Honorary Doctorate Award

## RECIPIENT OF THE HONORARY DOCTORATE AWARD

Table 18.1 : Recipient of the Honorary Doctorate Award

CONVOCATION CAREMONY	NAMES OF RECIPIENTS	DATE OF CONFERMEN T
Commemorate Convocation	<b>YAB Dato' Seri Dr. Shahidan Kassim</b> Honorary Doctorate of Management (Hon.D.Mgt.)	17 July 2004
First Convocation	<b>YBhg. Tan Sri Dato' Musa Mohamad</b> Honorary Doctorate of Sciences (Hon.D.Sc.)	22 July 2006
Second Convocation	<b>YBhg. Dato' Ramli Abbas</b> Honorary Doctorate of Management (Hon.D.Mgt.)	18 August 2007
Third Convocation	<b>YBhg. Prof. Emeritus Tan Sri Dato' Dr. Syed Jalaludin Syed Salim</b> Honorary Doctorate of Engineering (Hon.D.Eng.)	16 August 2008
Fourth Convocation	<b>YBhg. Dato' Prof. Dr. Hassan Said</b> Honorary Doctorate of Sciences (Hon.D.Sc.)	15 August 2009
	<b>Professor Karl Kohlhof</b> Honorary Doctorate of Engineering (Hon.D.Eng.)	
Fifth Convocation	-	-

CONVOCATION CAREMONY	NAMES OF RECIPIENTS	DATE OF CONFERMEN T
Special Convocation	<b>YABhg. Tun Dr. Mahathir Mohamad</b> Distinguished Honorary Doctorate of Engineering (Hon.D.Eng.)	17 March 2011
	<b>YABhg. Tun Dr. Siti Hasmah Mohd Ali</b> Distinguished Honorary Doctorate of Sciences (Hon.D.Sc.)	
Sixth Convocation	<b>YBhg. Tan Sri Dr. Zulkefli A. Hassan</b> Honorary Doctorate of Management (Hon.D.Mgt.)	17 September 2011
	<b>Dr. R. Vasant Kumar</b> Honorary Doctorate of Engineering (Hon.D.Eng.)	
	<b>YBhg. Mohd Parid Sulaiman</b> Honorary Master of Engineering (Hon.M.Eng.)	
Seventh Convocation	<b>YBhg. Academician Tan Sri Profesor Emeritus Datuk Dr Augustine Ong Soon Hock</b> Honorary Doctorate of Sciences(Hon.D.Sc.)	29 September 2012
	<b>YABhg. Tun Ahmad Sarji Abdul Hamid</b> Honorary Doctorate of Management (Hon.D.Mgt.)	
	<b>Professor Ciarán Ó Catháin</b> Honorary Doctorate of Management (Hon.D.Mgt.)	
	<b>YBhg. Tuan Haji Annuar Mohd Saffar</b> Honorary Master of Engineering (Hon.M.Eng.)	

CONVOCATION CAREMONY	NAMES OF RECIPIENTS	DATE OF CONFERMENT
Special Convocation	<b>Professor Sir Anthony James Leggett</b> Honorary Doctorate of Science (Hon.D.Sc.)	14 January 2013
Eighth Convocation	<b>Tan Sri Dato Haji Zainul Ariff bin Haji Hussain</b> Honorary Doctorate of Management (Hon.D.Mgt.)	21 September 2013
	<b>Dato Yusof Jusoh</b> Honorary Doctorate of Engineering (Hon.D.Eng)	
	<b>Datuk Zakiah Hanum Haji Abdul Hamid</b> Honorary Doctorate of Letters (Hon.D.Litt)	22 September 2013
Special Convocation	<b>Yang Terhormat Bapak Dahlan Iskan</b> Honorary Doctorate of Letters (Hon.D.Litt)	24 April 2014





CONVOCATION CAREMONY	NAMES OF RECIPIENTS	DATE OF CONFERMENT
Ninth Convocation	<b>Tun Daim Zainuddin</b> Honorary Doktorate of Economics (Hon.D.Econ.)	27 September 2014
	<b>Dato Seri Paduka Dr. Haji Shafie Haji Mohd Salleh</b> Honorary Doktorate of Management (Hon.D.Mgt)	
	<b>Prof. Mohammed A Hussain</b> Honorary Doktorate of Science (Hon.D.Sc.)	
	<b>Prof. Dr Ali Hussain Reshak Al-Jaary</b> Honorary Doktorate of Engineering (Hon.D.Eng)	
The Tenth Convocation	<b>Haji Tahiruddin Haji Hamdan</b> Honorary Master of Sciences (Hon.M.Sc)	25 July 2015
	<b>Prof. Dato Dr. Ahmad Sabirin Arshad</b> Honorary Doktorate of Engineering (Hon.D.Eng)	19 September 2015
	<b>Datuk Redza Rafiq Abdul Razak</b> Honorary Doktorate of Economics (Hon.D.Econ)	
	<b>Prof. Dr. Burhanettin Uysal</b> Honorary Doktorate of Management (Hon. D. Mgt)	

Dikemaskini : November 2015

Sumber : Senate Unit



# 19 Research and Innovation



## RESEARCH AND INNOVATION

Table 19.1: Source and Type of Research Grants for the Period of 2003 – November 2015

Year	2003 - 2009											2010	2011	2012	2013	2014	2015	2003 - 2015	
	Type of Grant	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount							Amount	Amount
	FRGS (Fasa 1 & 2)	8,358,580	3,861,930	1,903,213	2,975,000	4,943,505	9,289,806	6,023,015	37,355,049	558									
	ERGS			925,200	1,158,635	992,800			3,076,635	37									
	PRGS			822,700	696,000	912,000	933,000	271,500	3,635,200	22									
	LRGS			450,000				97,500	547,500	2									
	RACE				271,350		975,280.00		1,246,630	26									
	RAGS				1,800,000	1,799,972	528,000		4,127,972	79									
	Sciencefund	8,950,908	170,510	610,000	997,910	1,020,917	908,600	1,754,084	14,412,929	75									
	Nanofund			921,000					921,000	2									
	Short Term Grant	2,379,252	1,086,000	1,138,050	32,200			239,000	4,874,502	518									
	KTP			418,160	1,235,782	939,000	681,318		3,274,260	24									
	MDA	1,254,820	202,000						1,456,820	10									
	IRPA	3,068,890							3,068,890	3									
	PNB	59,980							59,980	2									
	Geran Khaz KPT	520,000	27,300	160,000		1,900,000	150,000	70,000	2,827,300	9									
	Bio Nexus	399,000							399,000	1									
	Yayasan FELDA	209,000							209,000	1									
	Astronautic	61,500							61,500	1									
	Unisel (MOSTI)	90,000							90,000	1									

Year	2003 - 2009		2010		2011		2012		2013		2014		2015		2003 - 2015		No. of Project
	Type of Grant	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount		
	USM-UniMAP (MOSTI)	150,000													150,000		1
	Pusat Zakat P. Pinang	25,000													25,000		1
	Special Research Fund (UniMAP)	120,000	189,360	255,238					215,700		30,000				810,298		25
	Journal Grants Incentive (UniMAP)		135,000	165,000	180,000				445,000		825,000				2,790,000		415
	SLAB/ SLAI Incentive (UniMAP)			20,000					40,000		120,000				260,000		27
	SEED Money (UniMAP)				885,000										885,000		59
	KACST		1,500,000						1,784,420						3,284,420		4
	UNESCO		25,000												25,000		1
	MCA Technofund		432,500	823,362											1,255,862		3
	Cradle Fund			150,000											150,000		1
	L'Oreal			20,000	20,000				20,000		30,000				90,000		4
	MTSF (Toray)			20,000	15,000						18,000				53,000		3
	Sihira NCIJ			2,270,000											2,270,000		1
	Malaysian Communications And multimedia Commission			421,500										358,964	780,464		3
	Chief Minister's Department, Sarawak			951,799											951,799		1
	National Instrument			50,000											50,000		1
	MTUN COE			1,184,600							79,922				1,264,522		14
	Swiftlet COE			100,700											100,700		1
	Victoria University			10,000											10,000		1
	Sports Grant KPT								295,000						295,000		3
	Fundamental (Top Down)								597,000						597,000		4

Year	2003 - 2009	2010	2011	2012	2013	2014	2015	2003 - 2015	No. of Project
Type of Grant	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	
CIMB Foundation					47,500			47,500	1
NGIA					2,900,000			2,900,000	1
Nihon Superior Japan					120,000			120,000	1
Funifek Technology					30,000			30,000	1
I-Zest Technology					35,000			35,000	1
Perlis State Government				500,000				500,000	1
National Service Training Department				44,600				44,600	1
CRESTUSAINS						422,640	51,884	474,424	3
SME Bank					40,000			40,000	1
Special Grant MTUN Showcase					20,000			20,000	2
KOBE Precision					200,000			200,000	1
Aneka, Indonesia						80,000		80,000	1
B. Braun Medical Industries Sdn. Bhd.						121,942		121,942	1
Geran Sanjungan Penyelidikan (GSP)						84,660		84,660	1
FRGS Geran Khas Bajir							251,800	251,800	4
PRGS Geran Khas Bajir							38,500	38,500	1
EU Grant							2,458,525.62	2,458,525.62	1
KSB							15,000	15,000	1
Newton Fund							82,000	82,000	1
PPRN							197,700	197,700	6
<b>Total/Yearly</b>	<b>25,636,930</b>	<b>7,629,600</b>	<b>12,445,222</b>	<b>12,156,777</b>	<b>19,297,814</b>	<b>15,061,867</b>	<b>13,029,472.62</b>	<b>105,473,883.62</b>	<b>1,975</b>

Table 19.2: UniMAP - Research Centre of Excellence

No	Name	Head/ Director	Manager	Year Establishment
1.	Centre of Excellence Geopolymer & Green Technology (CEGoeGTech)*	Brig. Jen. Datuk Prof Dr. Kamarudin Hussin	Assoc.Prof Dr. Mohd Mustapha Al-Bakri Abdullah	2010
2.	Centre of Excellence Renewable Energy (CERE)	Assoc.Prof Dr. Mohd. Fareq Abd Malek	Gomesh Nair A/L Shasidharan	2011
3.	Centre of Excellence Advanced Sensor Technology (CEASTech)	Prof. Dr. Ali Yeon Md. Shakaff	Dr. Ammar Zakaria	2012
4.	Centre of Excellence Advanced Communication Engineering Centre (ACE)	Prof. Dr. Syed Alwee Aljunid Syed Junid	Assoc.Prof Ir. Dr. Dr. Mohd Faizal Jamlos	2012
5.	Centre of Excellence Advanced Multi-Disciplinary MEMS-Based Integrated Electronics NCER (AMBIENCE)	Dato' Prof. Dr. Zul Azhar Zahid Jamal	Assoc.Prof Dr. Yufridin Wahab	2012
6.	Centre of Excellence Unmanned Aerial Systems (UAS)	Assoc.Prof Dr. Hazry Desa	Dr. Zuradzman Mohd Razlan	2013
7.	Centre for Frontier Materials Research (CFMR)	Prof. Dr. Shamsul Baharin Jamaludin	Dr. Mohd Sobri Idris	2015
8.	Centre of Biomass Utilization	Assoc.Prof Dr. Muhammad Syarhabil Ahmad	Dr. Ku Syahidah Ku Ismail	2015

Table 19.3 : Industry Centre of Excellence (ICoE)

No.	Name	Head/ Director	Year Establishment
1.	Industry Centre Of Excellence (ICoE) Healthcare Cluster	Assoc.Prof.Ir Mohabattul Zaman Bukhari	2014

Table 19.4 : UniMAP - Institute of Engineering

No.	Name	Head/director	Year Establishment
1.	Institute Of Nano Electronic Engineering (INEE)	Prof. Dr. Uda Hashim	2008
2.	Institute of Sustainable Agrotechnology (INSAT)	Assoc.Prof Dr. Mahmad Nor Jaafar	2013
3.	Institute of Engineering Mathematics	Prof. Dr. Amran Ahmed	2007



Table 19.5 : Participation Status of National and International Design and Innovation Competition for Period January – November 2015

Level	No	Competition/ Exhibition	Date	Place	Medal				Special Award
					Platinum	Gold	Silver	Bronze	
International	1	Thailand Inventor's Day	1-6 February 2015	Bangkok, Thailand	0	5	4	0	6
	2	European Exhibition of Creativity and Innovation (Euroinvent) 2015	14-16 Mei 2015	PALAS MALL Iasi, Romania	0	9	5	0	4
	3	Korean International Women Inventor Exposition (KIWIE) 2015	15-18 May 2015	Seoul, Korea	0	3	3	0	1
	4	International Fair of Economic and Scientific Innovations (INTARG) 2015	25-26 June 2015	ICE Krakow, Poland	0	2	1	0	0
	5	International WARSAW Inventions Show (IWIS) 2015	12-14 October 2015	University of Warsaw, Poland	1	9	5	0	5
National	1.	Malaysia Technology Expo (MTE) Award 2015	12-14 February 2015	Putra World Trade Centre (PWTC), Kuala Lumpur		10	14	10	3
	2.	International Innovation & Technology Exhibition (ITEX) 2015	20-23 May 2015	Kuala Lumpur Convention Centre (KLCC), Kuala Lumpur		18	31	11	4

Table 19.6 : Number of Published Articles by UniMAP Researchers in Journals Listed in SCOPUS Database (2003 November 2015)

	YEAR										TOTAL
	2003-2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	
SCOPUS	77	70	165	162	264	470	759	998	800	494	4259
Web of Science	12	15	33	40	56	127	255	278	219	338	1373

Table 19.7: List of Products That Are Patented (2009 – November 2015)

No.	Title Of Inventions	Name Of Inventors	School/ Faculty	Filing/ Registration Number	Date Of Filing/ Granted	Status
1.	A Cast Product And Its Method Of Production	Assoc.Prof Dr. Mohd Ichwan Nasution	Faculty Of Engineering Technology	PI 20090633	18 Februari 2009	Patent Pending
2.	Recyclable Construction Materials	Dr. Raguathan a/ Santhiago	School Of Environmental Engineering	PI 20090778	26 Februari 2009	Patent Pending
3.	A Board And Its Production Method	Suhardy Daud	School Of Materials Engineering	PI 20091352	3 April 2009	Patent Pending
4.	The Design Of Dielectric Loaded Helical Antenna For Local Area Network(WLAN) Application	Dr. Soh Ping Jack	School Of Computer & Communication Engineering	PI 20091543	14 April 2009	Patent Pending
5.	A Method of Producing Nanowires & Product Derives Thereof	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 20091646	23 April 2009	Patent Pending
6.	A Compact Planar And Highly Efficient Antenna For WLAN Application	Dr. Azremi Abdullah Al-Hadi	School Of Computer & Communication Engineering	PI 20091675	24 April 2009	Patent Pending
7.	Artificial Marble	Y.Bhg. Brig. Jen Datuk Prof. Dr. Kamarudin Hussin	Faculty Of Engineering Technology	PI 20093237	2 August 2009	Patent Pending
8.	An Array Antenna For Microwave Access Application	Assoc.Prof Dr. Mohd. Fareq Abd. Malek	School Of Electrical Systems Engineering	PI 2010001935	29 April 2010	Patent Pending
9.	A Flying Apparatus For Aerial Agricultural Application	Assoc.Prof Dr. Hazry Desa	School Of Business Innovation & Technopreneurship	PI 2010002587	4 June 2010	Patent Pending
10.	Circular Microstrip Antenna For Wide Bandwidth Applications	Assoc.Prof Dr. Mohd Fareq Abdul Malek	School Of Electrical Systems Engineering	PI 2010003005	24 June 2010	Patent Pending

11.	Solder Composition And Method Of Production Thereof	Mohd Arif Anuar Mohd Salleh	School Of Materials Engineering	PI 2011000849	25 February 2011	Patent Pending
12.	A Method Of Producing A Bacterial Inoculum	Assoc.Prof Dr. Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	PI 2011000970	3 March 2011	Patent Pending
13.	A Vehicle Monitoring System	Hasliza A. Rahim Samsudin	School Of Computer & Communication Engineering	PI 2011001061	9 March 2011	Patent Pending
14.	A Visual Surveillance System	Hasliza A. Rahim Samsudin	School Of Computer & Communication Engineering	PI 2011001692	15 April 2011	Patent Pending
15.	Omni-Directional Antenna	Dr. Soh Ping Jack	School Of Computer & Communication Engineering	PI 2011002482	31 May 2011	Patent Pending
16.	Pomelo Tissue Culture For Antioxidant Enrichment Health Product	Dr. Zarina Zakaria	Faculty Of Engineering Technology	PI 2011002835	17 June 2011	Patent Pending
17.	A Method For Tunnel Barriers And Shrinking A Quantum Dot	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2011003041	24 June 2011	Patent Pending
18.	A Method To Manufacture A Nanowire Biosensor	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2011003054	29 June 2011	Patent Pending
19.	A Method To Fabricate A Nanogap In Between Electronics	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2011003126	4 July 2011	Patent Pending
20.	An Alloy And A Sacrificial Anode Produce Thereform	Assoc.Prof Dr. Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	PI 2011001297	23 March 2011	Patent Pending
21.	A Method Of Detecting Presence Of Suid DNA In A Biological Sample	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2011770163	11 November 2011	Patent Pending
22.	A De-Seeding Apparatus	Shayfull Zamree Abd. Rahim	School Of Manufacturing Technology	PI 2011700184	9 Disember 2011	Patent Pending
23.	A Flying Apparatus For Aerial Agricultural Application	Assoc.Prof Dr. Hazry Desa	School Of Business Innovation & Technopreneurship	PCT/ MY2011/000067	4 June 2011	Patent Pending
24.	A Method Of Producing A Bacterial Inoculum	Assoc.Prof Dr. Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	PI 2011000970	3 March 2011	Patent Pending
25.	A Method Of Coating A Geopolymer Onto An Article	Assoc.Prof Dr. Mohd Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	PI 2012700134	29 March 2012	Patent Pending
26.	A Power Switching Function Generator	Dr. Rosnazri Ali	School Of Electrical Systems Engineering	PI 2012700129	28 March 2012	Patent Pending

27.	An Underwater Vehicle	Assoc.Prof Dr. Hazry Desa	School Of Business Innovation & Technopreneurship	PI 2012700154	4 April 2012	Patent Pending
28.	Transformerless Photovoltaic Inverter System	Dr. Muhammad Irwanto Misrun Irwan Yusoff	School Of Electrical Systems Engineering	PI 2012700152	4 April 2012	Patent Pending
29.	A Container With A Locking Mechanism	Dr. Shahrizan Abu Bakar	School Of Mechatronic Engineering	PI 2012700136	30 March 2012	Patent Pending
30.	Natural And Synthetic Organic Surface Finish For Electronic Metallization Application	Mohd Arif Anuar Mohd Salleh	School Of Materials Engineering	PI 2012001976	4 May 2012	Patent Pending
31.	Solventless Essential Oil Extractor	Assoc.Prof Dr. Muhammad Syarhabil Ahmad	School Of Bioprocess Engineering	PI 2012001977	4 May 2012	Patent Pending
32.	Novel Multi-Purpose Green Composites	Dr. Nik Noriman Zulkepli	Faculty Of Engineering Technology	PI 2012002111	14 May 2012	Patent Pending
33.	Semiconductor Materials Based Nano Devices Of Quantum Dots For High Efficiency Solar Cell Of Renewable Energy And Method Of Manufacture Thereof	Assoc.Prof Dr. Yarub Al-Douri	Institute Of Nano Electronic Engineering	PI 2012002112	14 May 2012	Patent Pending
34.	A Micro Fatigue Testing Machine	Dr. Haffirman	School Of Mechatronic Engineering	PI 2012003208	13 July 2012	Patent Pending
35.	Lateritic Soil Biocoagulant	Dr. Wong Yee Shian	School Of Environmental Engineering	PI 2012003145	11 July 2012	Patent Pending
36.	A Kit For Pregnancy Detection Using A Biosensor	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2012003209	13 July 2012	Patent Pending
37.	A Photovoltaic Uninterruptible Power Supply	Dr. Muhammad Irwanto Misrun	School Of Electrical Systems Engineering	PI 2012003373	26 July 2012	Patent Pending
38.	Three-Level Single Phase Transformerless Photovoltaic Inverter For Running High AC Loads	Gomesh Nair a/I Shashidharan Dr. Muhammad Irwanto Misrun	School Of Electrical Systems Engineering	PI 2012003372	26 July 2012	Patent Pending
39.	Bio Composite Of Titanium Dioxide/Fish Scale	Dr. Ong Soon An	School Of Environmental Engineering	PI 2012003508	3 August 2012	Patent Pending
40.	A Smart Smoke Ventilation And Power Generation System	Gomesh Nair a/I Shashidharan	School Of Electrical Systems Engineering	PI 2012003509	3 August 2012	Patent Pending
41.	A Composition Of A Microwave-Absorbing Material	Assoc.Prof Dr. Mohd. Fareq Abdul Malek	School Of Electrical Systems Engineering	PI 2012700489	23 July 2012	Patent Pending
42.	A Novel Water Filler Friction Composite For Use In Brake Pads	Assoc.Prof Dr. Che Mohd Ruzaidi Ghazali	Faculty Of Engineering Technology	PI 2012004524	10 October 2012	Patent Pending

43.	A New Measurement Method For Human Blood Plasma Separation Precision Based On Ultrasound	Assoc.Prof Dr. Mohd. Fareq Abdul Malek	School Of Electrical Systems Engineering	PI 2012004522	10 October 2012	Patent Pending
44.	A Novel Smart Larvicide	Assoc.Prof Dr. Mohd. Mustafa Albakri Abdullah	Faculty Of Engineering Technology	PI 2012004523	10 October 2012	Patent Pending
45.	System For Detecting And Monitoring Hazardous Volatile Compounds	Assoc.Prof Dr. Abu Hassan Abdullah	School Of Mechatronic Engineering	PI 2012700684	24 September 2012	Patent Pending
46.	A Bench-Top Mask Aligner System For Photolithography	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2012004670	19 October 2012	Patent Pending
47.	Volcano Ash Solid Geopolymer Composite And A Method Of Producing The Same	Assoc.Prof Dr. Mohd. Mustafa Albakri Abdullah	Faculty Of Engineering Technology	PI 2012700984	22 November 2012	Patent Pending
48.	A Novel Oxo-Biodegradable Plastics Using Natural Pro Oxidant	Dr. Nik Noriman Dr. Sam Sung Ting	Faculty Of Engineering Technology	PI 2013000062	9 January 2013	Patent Pending
49.	Natural Latex From Manihot Esculenta	Assoc.Prof Dr. Hakimah Osman	School Of Materials Engineering	PI 2013000350	4 February 2013	Patent Pending
50.	Kenaf Tank As Green And High Performance Composites	Dr. Rozyanty Rahman	School Of Materials Engineering	PI 2013000352	4 February 2013	Patent Pending
51.	A Solar Photovoltaic And Grid Connected Electricity System With Multiple Modes Of Operations	Dr. Rosnazri Ali	School Of Electrical Systems Engineering	PI 2013000808	8 March 2013	Patent Pending
52.	Adaptive Pixel Bit Selection For Low Energy Motion Estimation	Dr. Asral Bahari Jambek	School Of Microelectronic Engineering	PI 2013000351	8 February 2013	Patent Pending
53.	Milk Powder Quality Degradation	Dr. Irwana Nainggolan	School Of Materials Engineering	PI 2013001363	17 April 2013	Patent Pending
54.	An Active Cooling System For Solar Panel	Irwan Yusoff	School Of Electrical Systems Engineering	PI 2013002115	7 June 2013	Patent Pending
55.	Digital Portable Device For Detecting	Prof. Dr. Ali H. Reshak Al Jaary	School Of Materials Engineering	PI 2013701287	23 July 2013	Patent Pending
56.	Portable Device For Detecting Alcohol In Any Liquid	Prof. Dr. Ali H. Reshak Al Jaary	School Of Materials Engineering	PI 2013701288	23 July 2013	Patent Pending
57.	Geopolymerization Method For Soil Stabilization Application	Assoc.Prof Dr. Mohd Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	PI 2013701225	11 July 2013	Patent Pending
58.	Geopolymer Brick Fabrication System	Assoc.Prof Dr. Mohd Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	PI 2013701396	7 August 2013	Patent Pending



59.	Green Glass Powder	Faizul Che Pa	School Of Materials Engineering	PI 2013701444	19 August 2013	Patent Pending
60.	A System And A Method Of Producing Granulated Solder	Assoc.Prof Dr. Mohd Mustafa Al-Bakri Abdullah	Faculty Of Engineering Technology	PI 2013701490	23 August 2013	Patent Pending
61.	An Apparatus For Determining Halal-State Of A Meat Sample With The Aid Of Novel Invasive Method	Prof. Dr. Ali H. Reshak Al Jaary	School Of Materials Engineering	PI 2013701676	17 September 2013	Patent Pending
62.	Method Of Allocating Data To Resources In A Wireless Broadband System	Prof. Dr. R Badlishah Ahmad	School Of Computer & Communication Engineering	PI 20137016969	17 October 2013	Patent Pending
63.	A System Of Detecting Bacteria Species	Assoc.Prof Dr. Muhammad Iqbal Omar	School Of Mechatronic Engineering	PI 2013702076	31 October 2013	Patent Pending
64.	A PH Regulating Particel Composition	Dr. Lee Bong Beng	School Of Bioprocess Engineering	PI 2013701999	23 October 2013	Patent Pending
65.	Network System Having Client Enabled To Locate Hosts And To Acquire Data Thereform	Prof. Dr. R Badlishah Ahmad	School Of Computer & Communication Engineering	PI 2013702157	14 November 2013	Patent Pending
66.	Improvement In LTE-A-Cellular Network	Prof. Dr. R. Badlishah	School Of Computer & Communication Engineering	PI 201470013	03 January 2014	Patent Pending
67.	An Intelligent Natural Indoor Air Purifier And A Monitoring System Thereof	Assoc.Prof Dr. Abu Hassan Abdullah	School Of Mechatronic Engineering	PI 2014700220	30 January 2014	Patent Pending
68.	A Reinforced Sandwich Panel Made From Waste Palm Shells And Empty Fruits Branches	Dr. Du Ngoc Uy Lan	School Of Materials Engineering	PI 2014700124	20 January 2014	Patent Pending
69.	Electrochemical Fabrication Of Nanoporous Alumina	Dr. Nazree Deraman	School Of Materials Engineering	PI 2014700178	24 January 2014	Patent Pending
70.	A Photoelectrochemical Cell	Dr. Dewi Suryani Che Halin	School Of Materials Engineering	PI 2014700315	12 February 2014	Patent Pending

71.	A System And Method For Fabricating Nano Channel Solution Gate Field Effect Transistor (SGFET) Type Biosensor That Operates In Electrolyte Solution	Dr. Ruslinda A. Rahim	Institute Of Nano Electronic Engineering	PI 2014700486	28 February 2014	Patent Pending
72.	Bioplastic Fil From Chitosan And Corn Cobs	Assoc.Prof Ir Dr. Salmah Husseinsyah	School Of Materials Engineering	PI 2014400312	14 February 2014	Patent Pending
73.	Watercraft	Assoc.Prof Dr. Hazry Desa	School Of Business Innovation & Technopreneurship	PI 2014700946	17 April 2014	Patent Pending
74.	A Glass Fiber Reinforced Composite Pipe	Assoc.Prof Dr. Mohd Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	PI 2014401034	25 April 2014	Patent Pending
75.	An Automatic Visual Printed Circuit Board (PCB) System	Dr. Wan Khairunizam Wan Ahmad	School Of Mechatronic Engineering	PI 2014702500	5 September 2014	Patent Pending
76.	Edible Bird Nest Shape Quality Assessment Using Machine Vision System	En. Fathinul Syahir Ahmad Saad	School Of Mechatronic Engineering	PI 2014702505	5 September 2014	Patent Pending
77.	Design And Fabrication Of Nanogap Electrodes Using Size Reduction Technique For DNA Detection	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2014702512	5 September 2014	Patent Pending
78.	A Method For Producing Hydroxyapatite Nanoparticles	Dr. Midhat Nabil Ahmad Salimi	School Of Bioprocess Engineering	PI 2014702579	11 September 2014	Patent Pending
79.	An Aerated Up-Flow Constructed Wetland	Dr. Ong Soon An	School Of Environmental Engineering	PI 2014702678	19 September 2014	Patent Pending
80.	Cellulose Methacrylate As New Binder For Water Hyacinth Paper	Dr. Supri A. Ghani	Faculty Of Engineering Technology	PI 2014702743	24 September 2014	Patent Pending
81.	Nanocomposites With Thermoplastic Material And Fillers And Method Of Preparation Thereof	Azlin Fazlina Osman	School Of Materials Engineering	PI 2014702066	25 July 2014	Patent Pending
82.	Fibre-Reinforced Polymer Nanocomposites And Method Of Preparation Thereof	Azlin Fazlina Osman	School Of Materials Engineering	PI 2014702062	25 July 2014	Patent Pending
83.	A Geopolymer Composition For Coating Application	Assoc.Prof Dr. Mohd Mustafa Al Bakri Abdullah	School Of Materials Engineering	PI 2014702295	18 August 2014	Patent Pending

84.	A Cathodic Protection System Comprising An Electrochemical Cell Connected To An Anode Buried In The Ground And A Metal Structure To Be Protected	Shaiful Rizam Shamsudin	School Of Materials Engineering	PI 2014701894	10 July 2014	Patent Pending
85.	Design and Specifications Of Single Array And Multiple Array Gap Electrode Lab-On-Chip Sensor	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2014701121	2 May 2014	Patent Pending
86.	A Lab-On-Chip System and Method For Detection Of Biomolecules	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2014701132	5 May 2014	Patent Pending
87.	Eco-Activated Carbon Fiber Sheet For Purification	Aimi Noorliyana	School Of Materials Engineering	PI 2014701142	6 May 2014	Patent Pending
88.	Fertigation Plantation Micro-Climate Monitoring System	Jeffry Affendi	School Of Mechatronic Engineering	PI 2014701140	5 May 2014	Patent Pending
89.	Eco-Cement Composition And Method And Material For Making Same	Aimi Noorliyana	School Of Materials Engineering	PI 2014701162	6 May 2014	Patent Pending
90.	Wireless Automated Fertigation Control And Remote Monitoring System	Jeffry Affendi	School Of Mechatronic Engineering	PI 2014701193	8 May 2014	Patent Pending
91.	Intelligent Channel Selection In INEE 802.15.4 WSN 2.4 Ghz ISM Spectrum For Coexistence Mitigation	Dr. Latifah Munirah Kamarudin	School Of Computer & Communication Engineering	PI 2014701328	22 May 2014	Patent Pending
92.	An Optical Flow Based Emotion Revealing For Real Time Home Applications	Dr. M. Murugappan	School Of Mechatronic Engineering	PI 2014701982	21 July 2014	Patent Pending
93.	System And Method For Malodour Detection To Diagnose Disease In Farm Birds	Assoc.Prof Dr. Abu Hassan Abdullah	School Of Mechatronic Engineering	PI 2014702294	18 August 2014	Patent Pending
94.	A Polystyrene Adhesive	Dr. Mohd Afendi Rojan	School Of Mechatronic Engineering	PI 2014702338	21 August 2014	Patent Pending
95.	Systems And Methods For Pairwise Biological Sequence Alignment	Dr. Nazrin Md Isa	School Of Microelectronic Engineering	PI 2014702437	28 August os 2014	Patent Pending
96.	Fabrication Of Dye Sensitized Solar Cell With An Organic Dye From Keriang Dot	Gomesh Nair A/L Shashidaran	School Of Electrical Systems Engineering	PI 20144702577	11 September 2014	Patent Pending



97.	A Natural Dye Sensitized Solar Cell Using Erioglossum Rubiginosum Fruit As Source For Dye-Sensitiser	Dr. Nor Azura Maini Ahmad Hambali	School Of Microelectronic Engineering	PI 2014702842	29 September 2014	Patent Pending
98.	Nano-Sensors And Methods For Manufacturing Thereof	En. Muhammad Mahyiddin Ramli	School Of Microelectronic Engineering	PI 2014702865	29 September 2014	Patent Pending
99.	Three-Phase Multilevel Inverter With Variable Frequency	En. Baharudin Ismail	School Of Electrical Systems Engineering	PI 2014703429	17 November 2014	Patent Pending
100.	Smart Surveillance System	Assoc.Prof Dr. Mohd Fareq Abd. Malek	School Of Electrical Systems Engineering	PI2014702458	27 August 2014	Patent Pending
101.	A Detachable Power Driven Unit For Instantly Transforming Manual Wheel Chair Into Motorized Unit	Dr. Shahrman Abu Bakar	School Of Mechatronic Engineering	PI 2014703170	27 October 2014	Patent Pending
102.	A Method To Extract Dietary Fiber From Mango Fruit	Pn. Noor Shazilana Aizee Abidin	School Of Bioprocess Engineering	PI 2015700176	22 January 2015	Patent Pending
103.	Asymmetrical Double Gate Ultra Thin SOI MOSFETs	Dr. Mohd Khairuddin Md Arshad	Institute Of Nano Electronic Engineering	PI 2015700349	5 Februari 2015	Patent Pending
104.	A Method Of Producing A Silicon Nanowires	Prof. Dr. Uda Hashim	Institute Of Nano Electronic Engineering	PI 2014703284	5 November 2014	Patent Pending
105.	Environment Friendly Composite Construction Materials	Assoc.Prof Dr. Mohd. Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	US 008337612B2	25 Disember 2012	Patent Granted
106.	Cement Composition and A Method Of Producing An Environmentally Friendly Concrete	Assoc.Prof Dr. Mohd Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	MY-148054-A	28 February 2013	Patent Granted
107.	Reduction Of Carbon Dioxide In The Manufacturing Of Composites Construction Materials	Assoc.Prof Dr. Mohd Mustafa Al Bakri Abdullah	Faculty Of Engineering Technology	US 8580029B2	12 November 2013	Patent Granted
108.	Automated Hygienic Hand Wash System	Dr. Zol Bahri Razali	School of Mechatronic Engineering	PI 2015701254	20 April 2015	Patent Pending
109.	Method For Efficient Production Of Biofuel	Dr. Midhat Nabil Ahmad Salimi	School of Bioprocess Engineering	PI 2015701258	21 April 2015	Patent Pending

110.	Low Speed Wind Energy Harvesting Methods And Systems Thereof	Nor Hanisah Baharudin	School of Electrical Systems Engineering	PI 2015001678	29 June 2015	Patent Pending
111.	A Graphene Sensors And Methods For Manufacturing Thereof	Muhammad Mahyiddin Ramli	School of Microelectronic Engineering	PI 2015001679	29 June 2015	Patent Pending
112.	A High Dietary Fiber Food Product And Methods For Making Thereof	Noor Shazliana Aizee Abidin	School of Bioprocess Engineering	PI 2015001680	29 June 2015	Patent Pending
113.	A Multiple Port Antenna Array Of A Mobile Terminal	Dr. Azremi Abdullah Al-Hadi	School of Computer & Communication Engineering	PI 2015001683	29 June 2015	Patent Pending
114.	A High Linearity Radio Frequency Mixer	Dr. Sohifil Anuar Zainol Murad	School of Microelectronic Engineering	PI 2015702344	20 July 2015	Patent Pending



Table 19.8 : List of Commercialized Products (2009-November 2015)

Bil.	Title Of Invention	Name Of Inventors	Commercialisation Model
1.	Artificial Marble	<ul style="list-style-type: none"> <li>• Assoc.Prof Dr. Che Mohd Ruzaidi Ghazali</li> <li>• YBhg. Brig. Jen. Datuk Prof. Kamarudin Hussin</li> <li>• Prof. Shamsul Baharin Jamaludin</li> <li>• Dr. Khairul Nizar Ismail</li> <li>• Mohd Sobri Idris,</li> <li>• Mohd Nazry Salleh</li> </ul>	Direct Sale
2.	Dr. Soh's Repellent	Professor. Dr. Awang Soh @ Yusoff Mamat	Direct Sale
3.	MeeGo	Noor Shazliana Aizee Abidin	Direct Sale

Table 19.9: Financial Statement for Consultation Activities 2008 – November 2015

No.	Department	2008 - 2009	2010	2011	2012	2013	2014	2015	Jumlah
1	The Centre for Industrial and Government Collaboration	276,612.00	138,306.00	69,153.00	153,672.00	153,672.00	1,563,672.00	60,716.40	2,405,803.40
2	School of Microelectronic Engineering	18,920.00	226,498.00	603,969.00	116,970.00	43,080.00		20,000.00	1,029,437.00
3	Center of Information and Communications Technology	200,000.00		19,040.00	50,000.00		570,000.00	300,000.00	1,139,040.00
4	School of Material Engineering		148,492.00	63,174.00	18,720.00	50,800.00	61,978.96	3,983.00	347,147.96
5	UniMAP library		120,000.00		52,000.00	20,000.00			192,000.00
6	Teaching Factory	62,276.00	3,780.98						66,056.98
7	Engineering Center	18,237.70	32,821.00	31,051.56		24,000.00			106,110.26
8	School of Environment Engineering		50,580.00	6,335.00					56,915.00
9	School of Bioprocess Engineering		47,214.00	7,965.60		4,500.00		2,598.76	62,278.36
10	School of Computer and Communications Engineering	14,022.00	28,000.00	21,200.00	22,455.00		30,000.00		115,677.00
11	Anjung UniMAP		29,909.00	89,520.00	58,925.00	21,998.00	8,502.00		208,854.00
12	Agrotechnology Unit		22,382.50	6,352.50					28,735.00
13	School of Human Development and Technocommunication	20,140.00							20,140.00
14	Institute of Nano Electronic Engineering	19,920.00							19,920.00
15	Engineering Mathematics Institute		17,858.50			5,400.00			23,258.50

16	School Of Manufacturing Engineering	6,000.00									13,000.00	19,000.00
17	School of Electrical System Engineering		67,300.00		8,864.00							76,164.00
18	School of Business Innovation and Technopreneurship			1,247,370.00								1,247,370.00
19	AMBIENCE				5,000.00					124,500.00		129,500.00
20	Other	352,700.00	7,836.00		2,233,016.96					22,000.00 49,000.00 106,227.90		2,770,780.86
<b>TOTAL</b>		<b>982,827.70</b>	<b>879,677.98</b>	<b>1,720,112.00</b>	<b>4,471,033.92</b>	<b>323,450.00</b>	<b>702,026.06</b>	<b>10,064,188.32</b>				

Table 19.10: Number of Scholarly Publishing by Unimap Press 2003 – November 2015

No	Type of Publications	2009	2010	2011	2012	2013	2014	2015	JUMLAH
1	Book	12	10	20	21	17	22	20	122
2	Electronic Book (E-Book)	-	-	-	-	-	-	8	8
3	Journal	2	2	5	8	3	6	6	32
4	Teaching Module	4	3	1	3	2	2	6	21
5	Laboratory Module	16	18	8	-	-	-	-	42
6	Others	6	7	10	36	37	19	15	130
<b>TOTAL</b>		<b>40</b>	<b>40</b>	<b>44</b>	<b>68</b>	<b>59</b>	<b>49</b>	<b>55</b>	<b>355</b>



# 20 Industrial Network





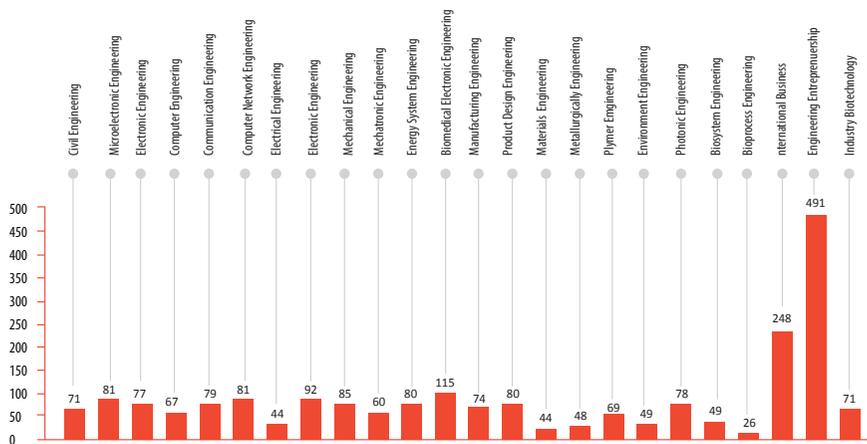
## TOTAL OF STUDENTS DIPLOMA INDUSTRIAL TRAINING BY PROGRAMME SEMESTER 2 2014/2015

Figure 20.1: Total of Students Diploma Industrial Training by Programme Semester 2 2014/2015



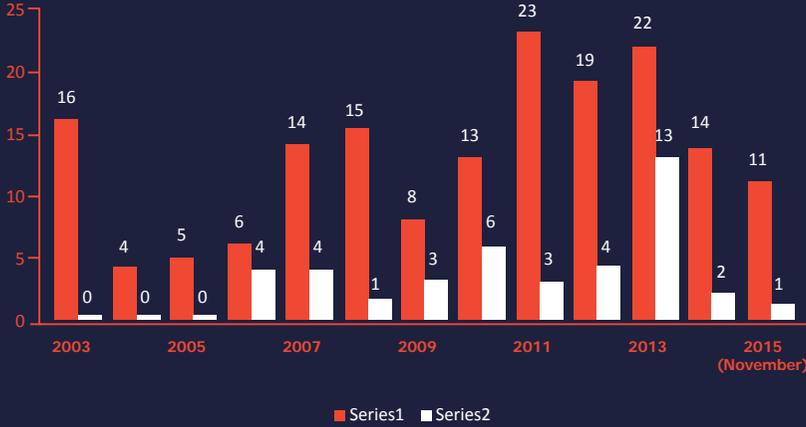
## TOTAL OF STUDENTS DEGREE INDUSTRIAL TRAINING BY PROGRAMME SEMESTER 2 2014/2015

Figure 20.2: Total of Students Degree Industrial Training by Programme Semester 2 2014/2015



## MoU/MoA BETWEEN UniMAP- LOCAL AND INTERNATIONAL INDUSTRIES/ HIGHER LEARNING INSTITUTE FOR THE YEAR 2003-2015

Figure 20.3: MoU/MoA Between UniMAP-Local and International Industries/Higher Learning Institute for the Year 2003-2015



Updated : December 2015  
Source : CIGC





# 21

International  
Network





Table 21.1: Number of MoU According to Nations within the Period of 2010-2015

No.	Country	Total
1.	Australia	2
2.	Bangladesh	2
3.	Bosnia	2
4.	Bulgaria	1
5.	Cambodia	1
6.	China	1
7.	Czech Republic	4
8.	Egypt	4
9.	France	3
10.	India	22
11.	Indonesia	1
12.	Iraq	1
13.	Iran	2
14.	Ireland	2
15.	Japan	3
16.	Lithuania	4
17.	Myanmar	1
18.	Mongolia	3
19.	Pakistan	1
20.	Philippines	1
21.	Poland	2
22.	Russia	1
23.	Romania	3
24.	Sudan	4
25.	Saudi Arabia	1
26.	Singapore	2
27.	Sri Lanka	1
28.	South Africa	1
29.	South Korea	1
30.	Thailand	13
31.	Turkey	1
32.	Ukraine	1
33.	United Kingdom	2

34.	USA	2
35.	Yemen	1
36.	Zambia	1

Table 21.2: Details of International MoU According to Nation and Continent in the Period of 2010-2015

## ASIA

No.	University/Institute	Country
1.	Daffodil International	Bangladesh
2.	Norton University	Cambodia
3.	Cambodian University of Specialist	Cambodia
4.	Cambodia International University	Cambodia
5.	Yunan Agricultural University	China
6.	University of Electronic Science & Technology of China	China
7.	Yangzhou University	China
8.	Anhui University	China
9.	Josai University Educational Cooperation	Japan
10.	University of Osaka	Japan
11.	Vellore Institute of Technology University	India
12.	Vels University Chennai	India
13.	University of Karpagam	India
14.	Institut Teknologi Medan (ITM)	Indonesia
15.	Universitas Sumatera Utara (USU)	Indonesia
16.	Universitas Padjajaran	Indonesia
17.	Universitas Muhammadiyah Sumatera Utara	Indonesia
18.	Universitas Dharmawangsa	Indonesia
19.	Universitas Quality	Indonesia
20.	Universitas Sisigamangaria XII Tapanuli	Indonesia
21.	Universitas Setia Budi Mandiri	Indonesia
22.	Universitas Amir Hamzah	Indonesia
23.	Universitas Medan Area	Indonesia

24.	Sekolah Tinggi Ilmu Ekonomi Harapan	Indonesia
25.	Sekolah Tinggi Teknologi Immanuel	Indonesia
26.	Sekolah Tinggi Teknik Harapan	Indonesia
27.	Sekolah Tinggi Manajemen Informatika dan Komputer Ubudiyah (STMIK)	Indonesia
28.	Politeknik Unggul LP3M	Indonesia
29.	Akademi Perawat Imelda	Indonesia
30.	Petra Christian University	Indonesia
31.	Universitas Surabaya	Indonesia
32.	Universitas Islam Sumatera Utara	Indonesia
33.	Universitas Muhammadiyah Surabaya	Indonesia
34.	Universitas Jabal Ghafur	Indonesia
35.	Ubudiyah Foundation Aceh	Indonesia
36.	Sharif University Of Technology	Iran
37.	University of Anbar	Iraq
38.	Mongolian URS Labour Institute	Mongolia
39.	Yangon Technological University	Myanmar
40.	Greenwich University Karachi	Pakistan
41.	Norton University	Cambodia
42.	Cambodian University of Specialist	Cambodia
43.	Cambodia International University	Cambodia
44.	Inha University	South Korea
45.	Dongseo University	South Korea
46.	King Abdul Aziz City for Science and Technology Saudi Arabia (KACSTS)	Saudi Arabia
47.	Buraydah Private College Al-Qassim	Saudi Arabia
48.	QS Asia Quacquarelli Symonds	Singapore
49.	Inha University	South Korea
50.	Dongseo University	South Korea
51.	Korea Invention Academy & Korea Invention News (KINEW)	South Korea
52.	Andong National University Gyeongbuk	South Korea
53.	Wayamba University	Sri Lanka

54.	Prince of Songkhla University(PSU)	Thailand
55.	Thaksin University	Thailand
56.	Hatyai University	Thailand
57.	Walailak University	Thailand
58.	Maejo University Chiang Mai (MJU)	Thailand
59.	Rajamangala University of Technology Srivijaya (RMUTSV)	Thailand
60.	Nakhom Pathom Rajabhat University	Thailand
61.	King Mongkut University North Bangkok	Thailand
62.	Bangkok University	Thailand
63.	Srinakharinwirot University	Thailand
64.	Siam University	Thailand
65.	Maharakham University	Thailand
66.	Christian University	Thailand
67.	Benevolent Fund of Outstanding Students (BFOS)	Yemen

## OCEANIA

No.	University/Institute	Country
1.	La Trobe University	Australia
2.	University of Queensland	Australia

## EUROPE

No.	University/Institute	Country
1.	University of Sarajevo	Bosnia
2.	University of Chemical Technology and Metallurgy	Bulgaria
3.	Czech Technical University in Prague	Czech Republic
4.	University of South Bohemia Ceske Bodejovice, Prague	Czech Republic
5.	Institute of Chemical Technology (ICT) Prague	Czech Republic
6.	University of West Bohemia	Czech Republic
7.	Ecole Nationale Supérieure D'Ingenieurs De Caen	France
8.	Athlone Institute of Technology	Ireland
9.	Institute of Technology Ireland	Ireland
10.	Mykolas Romeris University	Lithuania
11.	Moscow Aviation Institute (MAI)	Russia
12.	Leon Kozminski University	Poland
13.	Warsaw University of Technology	Poland
14.	National Defence University in Warsaw	Poland
15.	Romanian Inventor Forum (RIF)	Romania
16.	Transilvania University of Brasov	Romania
17.	Karabuk University	Turkey
18.	KYIV Polytechnic Institute	Ukraine
19.	Department of Materials Science & Metallurgy University of Cambridge	United Kingdom
20.	The Oxford Centre Islamic Studies	United Kingdom

## AFRICA

No.	University/Institute	Country
1.	Al-Faalah College Durban	South Africa
2.	Darul Ihsan Islamic Service Centre	South Africa
3.	Nahda University	Egypt
4.	Cairo University	Egypt
5.	The Egyptian Society For Women & Youth Inventor	Egypt
6.	Omdurman Islamic University	Sudan
7.	Livingstone International University of Tourism Excellence and Business Managment	Zambia

## NORTH AMERICA

No.	University/Institute	Country
1.	Ohio University	USA
2.	University of Missouri, Kansas City	USA

Number of MoU: **98**

Country: **36**



## INTERNATIONAL STUDENT

Table 21.3 : Number of International Students According to Nation and Study

Bil.	Country	Study Level				Total By Country
		PhD	Master	Degree	IEC*	
1.	Algeria	3		1		4
2.	Saudi Arabia			1		1
3.	Bangladesh	21	8	2		31
4.	Bosnia		1	4		5
5.	Burkina Faso			1		1
6.	Cameron			1		1
7.	Canada		1			1
8.	Chad			15		15
9.	China		1	3		4
10.	Djibouti			1	1	2
11.	Egypt			6	1	7
12.	Eritrea			8		8
13.	Ethiopia			2		2
14.	India	5		1		6
15.	Indonesia	22	4	20	1	47
16.	Iraq	48	32	15		95
17.	Jordan	42	9	6	1	58
18.	Kenya			1	1	2
19.	Mali			1		1
20.	Libya	8	7	1		16
21.	Mauritius			1		1
22.	Morocco	1				1
23.	Myanmar	1		19		20
24.	Nigeria	11	5	4		20
25.	Pakistan	4	3	2		9
26.	Palestine	1		8		9
27.	Somalia			104	10	114
28.	Sudan	2		67	2	71
29.	Syria	5	4	14	2	25
30.	Thailand	1	1	3		5
31.	United States of America		1	1		2
32.	Uzbekistan	2	1	44		47
33.	Vietnam				1	1
34.	Yemen	8	10	197	14	229
<b>TOTAL</b>		<b>185</b>	<b>88</b>	<b>554</b>	<b>37</b>	<b>861</b>



## STUDENT EXCHANGE PROGRAMME

Table 21.4: International Student Exchange Programmes to UniMAP According to Universities

No.	Year	University/ Country	Total
1.	2006	Tampere University of Technology (TUT), Finland	2
2.	2007	Tampere University of Technology (TUT), Finland	2
		Trisakti University, Indonesia	4
3.	2008	Cologne University of Applied Science	2
		Hatyai University	1
		Trisakti University, Indonesia	5
		Cologne University of Applied Science	2
		Walailak University	2
		Universitas Diponegoro	6
		Cologne University of Applied Science	1
Institut Teknologi Medan	4		
4.	2009	Tampere University of Technology (TUT), Finland	5
		Prince of Songkla, Thailand	3
		Xinjiang Polytechnic College, China	3
5.	2010	Prince of Songkla, Thailand	1
		Xinjiang Polytechnic College, China	2
		Trisakti University, Indonesia	3
		Maejo University, Thailand	3
		Institut Pertanian Bogor, Indonesia	4
6.	2011	Walailak University	3
		Cologne University Applied Sciences, Germany	1
7.	2012	Walailak University	5
		Athlone Institute of Technology, Ireland	1
8.	2013	Universitas Tanjungpura, Indonesia	15
		Walailak University	2
9.	2014	Walailak University, Thailand	6
		Universitas Tanjungpura, Indonesia	7
10.	2015	Walailak University, Thailand	14
		Nahda University, Egypt	13
<b>TOTAL</b>			<b>117</b>

Table 21.5: UniMAP Exchange Programme to Overseas According to Universities

No	Year	University / Country	Figure
1.	2007	Trisakti University, Indonesia	5
		Tampere University of Technology (TUT), Finland	3
2.	2008	Buskerus University College, HIBU, Norway	1
		Tampere University of Technology (TUT), Finland	2
		University of New South Wales (UNSW), Australia	2
		HTW Aalen University, Jerman	2
		Trisakti University, Indonesia	2
		Prince of Songkla, Thailand	1
3.	2009	Xinjiang Polytechnic College, China	4
		Buskerus University College, HIBU, Norway	2
		Tampere University of Technology (TUT), Finland	2
		University of New South Wales (UNSW), Australia	1
		HTW Aalen University, Germany	2
		Trisakti University, Indonesia	4
4.	2010	Prince of Songkla, Thailand	3
		Trisakti University, Indonesia	3
		Prince of Songkla, Thailand	1
		Buskerus University College, HIBU, Norway	2
5.	2011	HTW Aalen University, Germany	2
		Phuket Rajabhat University, Thailand	3
		Walailak University, Thailand	4
		Maejo University, Thailand	1
		Rajamangala University of Technology, Srivijaya, Thailand	3
6.	2012	Walailak University, Thailand	3
		Rajamangala University of Technology, Srivijaya, Thailand	2
7.	2013	Universitas Tanjungpura, Indonesia	13
8.	2014	Japan –East Asia Network Of Exchange For Student And Youth (Jenesys 2.0) Batch 11	8
		Peking University, Beijing China	3
		Inha University South Korea	4
		Universitas Sepuluh Nopember. Indonesia	2
9.	2015	Petra Christian University, Indonesia	2
		Dongseo University, Japan	1
		Inha University South Korea	3
		Universitas Sepuluh Nopember. Indonesia	4
<b>TOTAL</b>			<b>103</b>

Table 21.6: UniMAP Overseas Visits (Official Visit/Conference/Seminar/Research) in the period 2006- November 2015

Year	Visit/Guest	Total
1.	Thailand	56
2.	Indonesia	43
3.	United Kingdom	18
4.	China, Singapore	13
5.	USA	11
6.	Japan	11
7.	India	9
8.	Vietnam	9
9.	Singapore	6
10.	Australia	8
11.	Germany	5
12.	Vietnam, Middle East, Brunei Darussalam, South Korea, New Zealand, Ireland, New Zealand	4
13.	Uzbekistan	3
14.	France, Spain, Netherland, Switzerland, Taiwan, Italy, Jordan, Philippines, Saudi Arabia, Cambodia	4
15.	Bangladesh, Finland, Portugal, Austria, Turkey, Belgium, Czech Republic, Arab Saudi, Hong Kong, Yemen, Sudan, Uzbekistan, Istanbul, Mauritius, Libya, Cuba, Laos, Croatia, Iran, Egypt, Hong Kong, South Africa, Romania	1
16.	Myanmar	1
17.	Turkey	2

No. of Visit: **189**

No. of Country: **50**

Table 21.7: Oversea Visitors to UniMAP from 2006-November 2015

Year	Visit/Guest	Total
2015	<b>Thailand:</b> Walailak University,Thaksin University,Hatyai University	56
	<b>Turkey :</b> Karabuk University	5
	<b>India :</b> Vels University	14
2014	<b>Indonesia:</b> Universitas Muhammadiyah Surabaya, Universitas Djuanda Bogor	2
	<b>Republik Czech:</b> Institute of Chemical Technology	1
	<b>Poland:</b> National Defence University, Jagiellonian University Krakow, Warsaw University	3
	<b>Thailand:</b> Christian University, Price of Songkhla University, Walailak University, Thaksin University, Phuket Rajabhat University	6
	<b>Japan:</b> Kyoto University	1
	<b>KSA:</b> Babaker Trading & Contracting	1
	<b>Egypt :</b> Nahda University	2
	<b>Gambia :</b> Islamic Online University	1
	<b>Bangladesh :</b> Daffodil University	1
	<b>South Korea :</b> Pukyong National University	1
	<b>Turkey :</b> Karabuk University	1
	2013	<b>Indonesia:</b> Universitas Islam Sumatera Utara, (UISU), University Cenderawasih, Petra Christian University
<b>Thailand:</b> Maejo University, Chiangmai, Thailand, Rajamangala Universiti of Srivijaya, Bangkok University, Mahasarakham University,Naresuan University, Walailak University, Christian University		7
<b>Poland:</b> AGH University Sciences & Technology, University of Information & Technology, University of Lodz, Warsaw University of Technology,		4
<b>Bangladesh:</b> International Islamic University of Chitaggong, Daffodil International University		2
<b>South Korea:</b> Inha University, Korea Selatan, Dongseo University,		2
<b>China:</b> Anhui University, Guangdong University of Foreign Studies, Chaoshan College, Yangzhou University		4
<b>Lithuania:</b> Mykolas Romeris University		1
<b>Philippines:</b> Philippines Normal University, Bicol University		2
<b>Japan:</b> Josai International University		1
<b>Iran:</b> Sharif University of Technology		1
<b>Mongolia:</b> Mongolia Uvs Labour Institute		1
<b>Zambia:</b> Livingstone International University of Tourism Excellence & Business Management, Zambia		1

2012	<b>Indonesia:</b> Universitas Islam Sumatera Utara (UISU), Madrasah Aliyah Negeri,	2
	<b>Thailand:</b> Pathon Rajabhat Thailand, Rajamangala University of Srivijaya, Prince of Songkla (PSU), Walailak University, King Mongkut University North Bangkok	5
	<b>Uzbekistan:</b> Tashkent Financial Institute, Tashkent State Technical University & Uzbek State World Language University	3
	<b>Sudan:</b> Omdurman Islamic University	1
	<b>New Zealand:</b> University of Canterbury	1
	<b>Japan:</b> Embassy of Japan	1
	<b>Australia:</b> Australian High Council	1
	<b>Sri Lanka:</b> Wayamba University of Sri Lanka	1
	<b>South Korea:</b> Inha University,	1
	<b>Peru:</b> Peru Ambassador	1
	<b>Ecuador:</b> Ecuador Ambassador	1
<b>Ireland:</b> Athlone Institute of Technology	1	
2011	<b>Indonesia:</b> Universitas Sumatera Utara (USU), Medan, Kopertis Sumatera Utara & Aceh, Yogyakarta School of Environment Engineering (YSEE)	3
	<b>Thailand:</b> Thayaiwittaya School, Hadyai, Islamic Private School Association, Songkhla, Walailak University, Prince of Songkla, Pattani Campus	4
	<b>Bangladesh:</b> Heritage Consultant Ltd	1
	<b>Czech Republic:</b> University of South Bohemia	1
	<b>Germany:</b> Cologne University of Applied Sciences (CUAS)	1
	<b>South Korea:</b> Hanbat National University	1
	<b>Australia:</b> Macquarie University, Sydney	1
	<b>China:</b> Beijing Normal University	1
<b>Vietnam:</b> Petro-Vietnam University	1	
2010	<b>Yemen:</b> Al-Jaziera College	1
	<b>Thailand:</b> Rajamangala University of Thailand	1
	<b>Bangladesh:</b> Heritage Consultant Ltd	1
	<b>China:</b> University of Yunnan Agricultural	1
	<b>New Zealand:</b> Prof Krzysztof, University of Canterbury	1
	<b>Uzbekistan:</b> Tashkent Automobile & Road Construction Institute (TARCI)	1
	<b>Saudi Arabia:</b> College of Applied Medical Sciences, King Saud University	1
	<b>Mauritius:</b> Prof Ameenah Gurib Fakem, University of Mauritius	1
2009	<b>Indonesia:</b> Sekolah Menengah Kejuruan (SMK), Yayasan Pendidikan Tunas Pelita, Medan, Universitas Jenderal Soedirman (UNSOED), Universitas Trisakti, Indonesia	3
	<b>United Kingdom:</b> Prof. Barry Wayne Williams (External Examiner)	1
	<b>New Zealand:</b> Auckland International, The University Auckland	1
	<b>Japan:</b> Yamanashi University	1
	<b>Uzbekistan:</b> Uzbekistan's Cultural Troupe	1
	<b>Thailand:</b> Walailak University	1
	<b>China:</b> Xinjiang Polytechnic College	1

2008	<b>Indonesia</b> : Yayasan Sriwijaya, Universitas Sumatera Utara (USU), Institut Teknologi Medan (ITM), Universitas Negeri Semarang (UNNES), Universitas Syiah Kuala (Unsyiah)	5
	<b>China</b> : University of Shanghai for Science and Technology, Dr. Wong & Ma Gang (University of Shanghai for Science & Technology (USST)	2
	<b>Iraq</b> : Al-Akhyat Group	1
	<b>Thailand</b> : Hatyai University, Prince of Songkla University (PSU) (2 kali), Computer Engineering & Microelectronic Engineering, Prince of Songkhla University (PSU), Walailak University, King Mongkut's University of Technology Thonburi (KMUTT) (3 kali), Didyasarin International College, Hatyai University, Maejo University Language Centre	11
	<b>United Kingdom</b> : Dr. Terry Jevess, Deputy Chief Executive and Academic Director, Nothern Consortium United Kingdom (NCKU), Ms Paremila, Director for Regional Office, University of Leeds, Prof. David Barton, University of Leeds	3
	<b>Switzerland</b> : Swiss Asean Technical Institute (SATI) and Swiss Embassy	1
2007	<b>Nigeria</b> : Gabenor of Nigeria	1
	<b>Japan</b> : Muroran Institute of Technology	2
	<b>Sudan</b> : University of Medical Sciences & Technology (UMST)	1
	<b>Ireland</b> : Athlone Institute Technology (AIT)	1
	<b>Thailand</b> : Prince of Songkla University (PSU) ( 4 times), College of Islamic Studies (CIS), PSU	5
	<b>New Zealand</b> : Unitec Business School, UNITEC Auckland	2
	<b>Australia</b> : University of Melbourne (2 times), Prof. Karl Kohlhof	3
	<b>United Kingdom</b> : Loughborough University	1
	<b>Saudi Arabia</b> : University of Yemen	1
	<b>Japan</b> : Muroran Institute of Technology	1
	<b>Germany</b> : Lawatan dari Kedutaan	1
	<b>Ireland</b> : Athlone Institute of Technology (AIT)	1
	<b>China</b> : University of Shanghai for Science and Technology	1
2006	<b>Thailand</b> : Hatyai University, Prince of Songkla University (PSU) (2 times), Thaksin University	4
	<b>Australia</b> : Prof. Veena Sahajwalla, University of Adelaide, University of Tasmania & JMECC, Crystal Clear Pty. Ltd.	4
	<b>Spain</b> : Datuk Manuel Condeminas, Hon. Consul General of Malaysia (Barcelona), University of Barcelona	2
	<b>Malaysia</b> : Western Digital Asia, Kuala Lumpur, Malaysian British Educational Cooperation Services (MABECS), Kuala Lumpur	2
	<b>Japan</b> : Yamanashi University	1
	<b>Czechoslovakia</b>	1
	<b>Germany</b> : Aalen University	1
	<b>USA</b> : Prof. Takeo Kanade, Carnegie Mellon University (CMU)	1
<b>United Kingdom</b> : Sheffield University	1	

No. of Visit : 141  
No. of Country: 27



# 22 Tuition Fees





## TUITION FEES FOR ENGINEERING PROGRAMMES

Regulation of Fees

### Tuition Fees

Tuition fees and other related fees:

#### A.Non-Recurrent Fees

1.Orientation	RM 175.00
2.Student Development	RM 150.00
3.Student Registration	RM 30.00
4.Student Card	RM 70.00
5.Medical Check-Up Fees	RM 70.00
6.Family Takaful Insurance	RM 60.00
7.Co-Curriculum Fees	RM 200.00
<b>TOTAL NON-RECURRENT FEES</b>	<b>RM 755.00</b>

#### B.Recurrent Fees

1.Study Fees	RM 800.00
2.Accommodation Provident Fund	RM 450.00
3.Health Provident Fund	RM 40.00
4.Student Welfare Provident Fund	RM 30.00
5.Transportation Charges	RM 30.00
6.Hostel(Desasiswa) Activities	RM 20.00
<b>TOTAL RECURRENT FEES</b>	<b>RM 1,370.00</b>
<b>TOTAL</b>	<b>RM 2,125.00</b>

C. Students are required to pay **RM 2,125.00** (total Non-Recurrent Fees and Recurrent Fees). However, the total of Recurrent Fee amounted to **RM 1,370.00** are chargeable for every semester.

D. All fees and other charges are liable to review and change without prior notice and subjected to the University.



## TUITION FEES FOR BUSINESS PROGRAMMES

Regulation of Fees

### Tuition Fees

Tuition fees and other related fees:

#### A. Non-Recurrent Fees:

1. Orientation	RM 175.00
2. Student Development	RM 150.00
3. Student Registration	RM 30.00
4. Student Card	RM 70.00
5. Medical Check-Up Fees	RM 70.00
6. Family Takaful Insurance	RM 45.00
7. Co-Curriculum Fees	RM 200.00

**TOTAL NON-RECURRENT FEES** **RM 740.00**

#### B. Recurrent Fees

1. Study Fees	RM 650.00
2. Accommodation Provident Fund	RM 450.00
3. Health Provident Fund	RM 40.00
4. Student Welfare Provident Fund	RM 30.00
5. Transportation Charges	RM 30.00
6. Hostel(Desasiswa) Activities	RM 20.00

**TOTAL RECURRENT FEES** **RM 1,220.00**

**TOTAL** **RM 1,960.00**

C. Students are required to pay **RM 1,960.00** (total Non-Recurrent Fees and Recurrent Fees). However, the total of Recurrent Fee amounted to **RM 1,220.00** are chargeable for every semester.

D. All fees and other charges are liable to review and change without prior notice and subjected to the University.



## TUITION FEES FOR ENGINEERING TECHNOLOGY PROGRAMMES

Regulation of Fees

### Tuition Fees

Tuition fees and other related fees:

#### A.Non-Recurent Fees:

1.Orientation	RM 175.00
2.Student Development	RM 150.00
3.Student Registration	RM 30.00
4.Student Card	RM 70.00
5.Medical Check-Up Fees	RM 70.00
6.Family Takaful Insurance	RM 60.00
7.Co-Curriculum fee	RM 200.00

**TOTAL NON-RECURRENT FEES** **RM 755.00**

#### B.Recurrent Fees

1.Study Fees	RM 800.00
2.Accommodation Provident Fund	RM 450.00
3.Health Provident Fund	RM 40.00
4.Student Welfare Provident Fund	RM 30.00
5.Transportation Charges	RM 30.00
6.Hostel(Desasiswa) Activities	RM 20.00

**TOTAL RECURRENT FEES** **RM 1,370.00**

**TOTAL** **RM 2,125.00**

- C. Students are required to pay **RM 2,125.00** (total Non-Recurent Fees and Recurrent Fees). However, the total of Recurrent Fee amounted to **RM 1,370.00** are chargeable for every semester.
- D. All fees and other charges are liable to review and change without prior notice and subjected to the University.



## TUITION FEES FOR NEW MEDIA COMMUNICATION PROGRAMMES

Regulation of Fees

### Tuition Fees

Tuition fees and other related fees:

#### A. Non-Recurrent Fees

1.	Orientation	RM 175.00
2.	Student Development	RM 150.00
3.	Student Registration	RM 30.00
4.	Student Card	RM 70.00
5.	Medical Check-Up Fees	RM 70.00
6.	Family Takaful Insurance	RM 45.00
7.	Co-Curriculum Fees	RM 200.00

**TOTAL NON-RECURRENT FEES** **RM 740.00**

#### B. Recurrent Fees

1.	Study Fees	RM 650.00
2.	Accommodation Provident Fund	RM 450.00
3.	Health Provident Fund	RM 40.00
4.	Student Welfare Provident Fund	RM 30.00
5.	Transportation Charges	RM 30.00
6.	Hostel (Desasiswa) Activities	RM 20.00

**TOTAL RECURRENT FEES** **RM 1,220.00**

**TOTAL** **RM 1,960.00**

- C. Students are required to pay **RM 1,960.00** (total Non-Recurrent Fees and Recurrent Fees). However, the total of Recurrent Fee amounted to **RM 1,220.00** are chargeable for every semester.
- D. All fees and other charges are liable to review and change without prior notice and subjected to the University.

## TUITION FEES FOR DIPLOMA PROGRAMMES

Regulation of Fees

Tuition fees and other related fees:

### Tuition Fees

#### A.Non-Recurrent Fees:

1. Orientation	RM 150.00
2. Student Development	RM 150.00
3. Student Registration	RM 30.00
4. Student Card	RM 70.00
5. Medical Check-Up Fees	RM 70.00
6. Family Takaful Insurance	RM 45.00
7. Co-Curriculum Fees	RM 200.00

**TOTAL NON-RECURRENT FEES RM 715.00**

#### B.Recurrent Fees

1. Study Fees	RM 400.00
2. Accomodation Provident Fund	RM 450.00
3. Health Provident Fund	RM 40.00
4. Student Welfare Provident Fund	RM 30.00
5. Transportation Charges	RM 30.00
6. Hostel(Desasiswa) Activities	RM 20.00

**TOTAL RECURRENT FEES RM 970.00**

**TOTAL RM 1,685.00**



- C. Students are required to pay **RM 1,685.00** (total Non-Recurrent Fees and Recurrent Fees). However, the total of Recurrent Fee amounted to **RM 970.00** are chargeable for every semester.
- D. All fees and other charges are liable to review and change without prior notice and subjected to the University

## HOSTEL FEE FOR UNDERGRADUATE PROGRAMME (INTERNATIONAL STUDENT)

Category	Type Of Resident	Student	Semester	Rate/Day	Day /Semester	Total
Without Sponsor	UniCITI ALAM	New Student	Sem 1 2015/2016	RM6.70	139	RM931.30
			Sem 2 2015/2016	RM6.70	133	RM891.10
	Others	New Student	Sem 1 2015/2016	RM4.50	139	RM625.50
			Sem 2 2015/2016	RM4.50	133	RM598.50
	UniCITI ALAM	Student Year 2 - 4	Sem 1 2015/2016	RM6.70	139	RM931.30
			Sem 2 2015/2016	RM6.70	133	RM891.10
	Others	Student Year 2 - 5	Sem 1 2015/2016	RM4.50	139	RM625.50
			Sem 2 2015/2016	RM4.50	133	RM598.50

Category	Type Of Resident	Student	Duration	Rate/Day	Day /Year	Total
Tajaan	UniCITI ALAM	New Student	1/9/2015 - 4/9/2016	RM6.70	370	RM2,479.00
			1/9/2015 - 4/9/2016	RM4.50	370	RM1,665.00
	UniCITI ALAM	Student Year 2 - 4	7/9/2015 - 4/9/2016	RM6.70	364	RM2,438.80
			7/9/2015 - 4/9/2016	RM4.50	364	RM1,638.00

**Note:**

1. At the beginning of every session, students are required to pay for the accommodation fee.
2. Sharing room will be occupied maximum with three students
3. All fees and other charges are liable to review and change without prior notice and subjected to the University.

## TUITION FEES FOR POST GRADUATE PROGRAMME

### RESEARCH MODE

#### (I) TUITION FEES (PER SEMESTER)

	Malaysia Students	
	Full-Time	Part-Time
Doctor of Philosophy	RM 1500.00	RM 1250.00
Master of Science	RM 1250.00	RM 1100.00
	International Students	
Doctor of Philosophy	RM 3000.00	
Master of Science	RM 2500.00	

#### (II) NON-RECURRENT FEES\*

	Malaysian	International
Registration	RM 30.00	RM 30.00
Student Card	RM 70.00	RM 70.00
Orientation	RM 150.00	RM 150.00
Alumni	RM 100.00	RM 100.00
Personal Bond	-	RM 2000.00
Medical check-up	-	RM 250.00
	<b>RM 350.00</b>	<b>RM 2500.00</b>

\* Students need to pay the fees only once throughout their study in UniMAP.

#### (III) RECURRENT FEES (PER SEMESTER)

Health	RM 40.00
Insurance (for international only)	RM 270.00 (yearly)
Library	RM 100.00
Laboratory	RM 150.00

#### (IV) THESIS EVALUATION FEE (END OF PROGRAMME)\*

Doctor of Philosophy	RM 1500.00
Master of Science	RM 1000.00
Re-examination (if must)	
Doctor of Philosophy	RM 1000.00
Master of Science	RM 750.00

\* Thesis Examination Fee is paid separately by the end of the semester of the student study before sending the thesis for examination.

## MIXED MODE

### (I) TUITION FEES

	Malaysian	International
Tuition Fees	RM 150.00 x 20 units	RM 200.00 x 20 units
Project Fees /Dissertation (20 units)	RM1000.00	RM 1500.00
<b>TOTAL</b>	<b>RM 4000.00</b>	<b>RM 5500.00</b>

### (II) NON-RECURRENT FEES\*

	Malaysian	International
Registration	RM 30.00	RM 30.00
Student Card	RM 70.00	RM 70.00
Orientation	RM 150.00	RM 150.00
Alumni	RM 100.00	RM 100.00
Personal Bond	-	RM 2000.00
Medical check-up	-	RM 250.00
<b>TOTAL</b>	<b>RM 350.00</b>	<b>RM 2500.00</b>

\* Students need to pay the fees only once throughout their study in UniMAP.

### (III) RECURRENT FEES (PER SEMESTER)

Health	RM 40.00
Insurance (for international only)	RM 270.00 (yearly)
Library	RM 100.00
Laboratory	RM 150.00

### (IV) DISSERTATION EVALUATION FEE (END OF PROGRAMME)

Dissertation Evaluation	RM 750.00
Re-Examination (if required)	RM 300.00



## COURSEWORK

### (I) TUITION FEES

	Local	International
Tuition Fees	RM 300.00x 42 units	RM 400.00 x 42 units
<b>TOTAL</b>	<b>RM 12600.00</b>	<b>RM 16800.00</b>

### (II) NON-RECURRENT FEES\*

	Local	International
Registration	RM 30.00	RM 30.00
Student Card	RM 70.00	RM 70.00
Orientation	RM 150.00	RM 150.00
Alumni	RM 100.00	RM 100.00
Personal Bond	-	RM 2000.00
Medical check-up	-	RM 250.00
<b>TOTAL</b>	<b>RM 350.00</b>	<b>RM 2500.00</b>

*\*\* Students need to pay the fees only once throughout their study in UniMAP.*

### (III) RECURRENT FEES (PER SEMESTER)

Health	RM 40.00
Insurance (for international only)	RM 270.00 (yearly)
Library	RM 100.00
Laboratory	RM 150.00

### (IV) DISSERTATION EVALUATION FEE (END OF PROGRAMME)

	Local	International
Dissertation Evaluation	RM 500.00	RM 750.00
Dissertation Re-examination (if required)	RM 300.00	RM 300.00

Updated: December 2015

Source: Treasury and Centre for Graduate Studies

## INTENSIVE ENGLISH COURSE (INTERNATIONAL STUDENT)

Fees:

No.	Type Of Fees	Total (Ringgit Malaysia/RM)
1	English Course Fees	5,000.00
2	Orientation	170.00
3	Student's Registration	30.00
4	Student Card	70.00
5	Health Insurance	3000.00
6	Library	100.00
7	Transportation Charges	30.00
8	Medical Checkups	250.00
9	Student Health Provident Fund	40.00
10	Personal Bond *	2,000.00
11	Accommodation Provident Fund - October Intake 2014	1,920.00
12	Text Books & IEC Module	500.00
<b>TOTAL (INCLUDING ACCOMMODATION)</b>		<b>10,415.00</b>

## BACHELOR OF BUSINESS (INTERNATIONAL STUDENT)

Non Recurrent Fees:

No.	Type of Fees	Total (Ringgit Malaysia/RM)
1	Orientation	175.00
2	Student Development	150.00
3	Students Registration	30.00
4	Student Card	70.00
5	Personal Bond *	2,000.00
6	International Student Association	30.00
7	Medical Checkup	250.00
8	Alumni	100.00
9	Convocation	137.80
10	Curriculum	200.00
<b>TOTAL NON RECURRENT FEE</b>		<b>3,142.80</b>

Recurrent Fees:

No.	Type of Fees	Total (Ringgit Malaysia/RM)
1	Study Fee	3,000.00 per year
2	Accommodation Provident Fund	depends on the types of room, please refer Appendix 1, Table 1
3	Health Provident Fund	80.00
4	Student Welfare Provident Fund	60.00
5	Transportation Charges	60.00
6	Hostel (Desasiswa) Activities	40.00
7	Health Insurance - once a year	300.00
8	Library	200.00
	Total Recurrent Fee	3,740.00
<b>TOTAL (RM 3,142.80 + RM 3,740.00) (EXCLUDING ACCOMMODATION)</b>		<b>6,882.80</b>

Students only need to pay once for this Non Recurrent Fee of RM 3,142.80 for the whole semester at UniMAP. This fee MUST be paid before or upon registration.

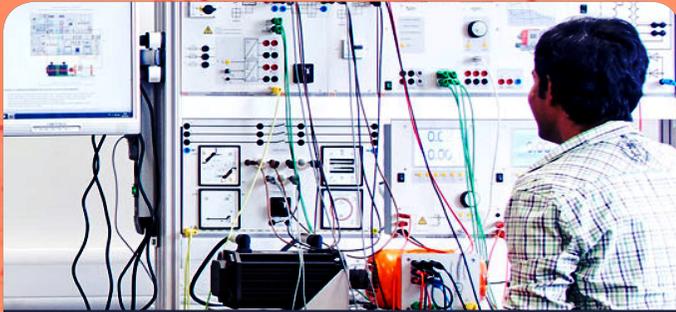
For the first year beginning session, students are required to pay RM 6,882.80 (Total Non Recurrent Fees and Recurrent Fees, excluding accommodation fees).

For the next following years, students only need to pay total of Recurrent Fees RM 3,740.00 (excluding accommodation fees).

## BACHELOR OF ENGINEERING (INTERNATIONAL STUDENT)

Non Recurrent Fees :

No.	Type of Fees	Total (Ringgit Malaysia/RM)
1	Orientation	175.00
2	Student Development	150.00
3	Students Registration	30.00
4	Student Card	70.00
5	Personal Bond *	2,000.00
6	International Student Association	30.00
7	Medical Checkup	250.00
8	Alumni	100.00
9	Convocation	137.80
10	Curriculum	200.00
<b>TOTAL NON RECURRENT FEE</b>		<b>3,142.80</b>



Recurrent Fees:

No.	Type of Fees	Total (Ringgit Malaysia/RM)
1	Study Fee	RM 4,000.00 per year
2	Accommodation Provident Fund	depends on the types of room, please refer Appendix 1, Table 1
3	Health Provident Fund	80.00
4	Student Welfare Provident Fund	60.00
5	Transportation Charges	60.00
6	Hostel (Desasiswa) Activities	40.00
7	Health Insurance - once a year	300.00
8	Library	200.00
	Total Recurrent Fee	4,740.00
	<b>TOTAL (RM 3,142.80 + RM 4,740.00) (EXCLUDING ACCOMMODATION)</b>	<b>7,882.80</b>

Students only need to pay once for this Non Recurrent Fee of RM 3,142.80 for the whole semester at UniMAP. This fee MUST be paid before or upon registration. For the first year beginning session, students are required to pay RM 7,882.80 (Total Non Recurrent Fees and Recurrent Fees, excluding accommodation fees). For the next following years, students only need to pay total of Recurrent Fees RM 4,740.00 (excluding accommodation fees).



# 23 Financial Assistance/ Scholarship





Table 23.1: Financial Assistance / Scholarship

No.	Source	No. of Holder	Total(RM)	Government/Non Government
1	Benevolent Fund for Outstanding Student	81	336,640.00	Government
2	Biasiswa Kementerian Pengajian Tinggi	272	499,205.00	Government
3	Biasiswa Kerajaan Negeri Pulau Pinang	9	26,000.00	Government
4	Biasiswa Kerajaan Negeri Sabah	53	232,140.00	Government
5	Biasiswa Pelajar OKU (BOKU)	5	6,700.00	Government
6	Biasiswa Permodalan Nasional Berhad	7	6,440.00	Non - Government
7	Embassy of The Republic of Yemen Cultural Attache	9	90,166.31	Government
8	Honda Malaysia Sdn. Bhd	4	5,523.00	Non- Government
9	Institut Penyelidikan dan Kemajuan Pertanian Malaysia (MARDI)	1	6,660.00	Government
10	Koperasi Kebangsaan Permodalan Tanah Berhad (KKPTB)	1	4,000.00	Non - Government
11	Kumpulan Wang Simpanan Pekerja	85	1,137,056.70	Non - Government
12	Kuok Foundation Berhad	12	66,500.00	Non - Government
13	Lee Foundation States Of Malaya (LFSM)	1	3,238.00	Non - Government
14	Lembaga Zakat Selangor	44	66,521.00	Government
15	Lembaga Wakaf Hindu Negeri Pulau Pinang (LWHPP)	3	4,370.00	Non - Government
16	Libyan People's Of Bureau	7	37,800.00	Non - Government
17	Markas Angkatan Tentera Malaysia	12	66,620.00	Government
18	Perbadanan Tabung Pendidikan Tinggi Nasional	13,872	17,747,344.91	Non - Government
19	Pertubuhan Keselamatan Sosial	2	1,600.00	Non - Government
20	Tabung Amanah Pendidikan Negeri Melaka	31	92,000.00	Government
21	Tan Sri Lee Loy Seng Foundation	4	14,000.00	Non - Government
22	Yayasan Felda	1	6,000.00	Government
23	Yayasan Kelantan Darulnaim	80	238,680.00	Government
24	Yayasan Negeri Sembilan	57	139,300.00	Government
25	Yayasan Pahang	22	84,000.00	Government
26	Yayasan Pelajaran Johor	27	79,000.00	Government
27	Yayasan Peneraju Pendidikan Bumiputera	8	11,020.00	Non- Government
28	Yayasan Telekom Malaysia	1	3,755.00	Non - Government
29	Yayasan Terengganu	14	43,600.00	Government
30	Yayasan Wilayah Persekutuan	2	6,838.00	Government
<b>TOTAL</b>		<b>14,727</b>	<b>21,062,717.92</b>	

Updated: December 2015

Source: Treasury

## ALLOCATION AND EXPENDITURE FROM 2010 – OCTOBER 2015

Table 23.2: Allocation and expenditure from 2010–October 2015

	Administrative Allocation					
	2010	2011	2012	2013	2014	2015
			(31/10/2015)			
Allocation from Government	145,925,089.00	177,000,000.00	196,800,000.00	185,096,852.00	228,352,580.50	219,360,091.00
Internal Funding	18,884,710.00	16,400,820.00	37,907,907.00	52,288,587.00	33,156,080.00	44,501,936.94
Total Allocation	164,809,799.00	193,400,820.00	234,707,907.00	237,385,439.00	261,508,660.50	263,862,027.94
Expenditure	164,590,636.00	193,034,143.00	234,640,544.00	237,385,439.00	261,508,660.00	231,677,444.77
% Expenditure	<b>99.87</b>	<b>99.81</b>	<b>99.97</b>	<b>100.00</b>	<b>100.00</b>	<b>87.80</b>

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# Info UniMAP

OFFICE OF DEPUTY VICE CHANCELLOR  
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