



Info UniMAP

Universiti Malaysia Perlis

Jul - Dec 2012

www.unimap.edu.my

Mission

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

Vision

An internationally competitive academic and research institution



For the past ten years (2002-2012), we at Universiti Malaysia Perlis (UniMAP) have been challenged constantly in our pursuit to achieve the world recognition for academic excellence. Everyone has contributed a lot for what we have achieved today. Gaining respect and recognition from other academic communities locally and abroad has not been an easy task. The moment UniMAP became one of the top ten public universities in Malaysia and one among the country's top five star status universities, we realized that we actually have embraced our goals. It is no longer a dream. For the present issue of Info UniMAP, we give our focus on the sweet taste of success of our academic achievements.



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2. QUICK FACTS

UniMAP ACADEMIC AWARDED IN 2012

- 1) **YBhg. BRIG. GEN. DATO' PROFESOR DR. KAMARUDIN HUSSIN**
 - World Inventor Grand Order of Merit Award -Korea
 - Awarded By: World Inventor Award Festival-Korea
- 2) **En. Mohd Mustafa Al-Bakri Abdullah**
 - King Se Jong Inventor Order of Merit Award
 - Awarded By: World Inventor Award Festival-Korea
- 3) **Prof. Dr. Uda Hashim**
 - Laureate Science and Technology ISISCO 2012 Award
 - Awarded By: The Islamic Educational Scientific and Cultural Organization (ISESCO)
- 4) **Zuldhika Mohd Azan**
 - Bright Meritorious Student from Asean Countries
 - Awarded By: Bright Meritorious Student from Asean Countries
- 5) **UniMAP**
 - Award No. 1**
 - Grant Award KACST- ARAMCO Riyal 2.2 Million
 - Awarded By: King Abdulaziz City for Science and Technology (KACST)
 - Award No. 2**
 - Grant Award KACST- Riyal 700 thousand extra.
 - Awarded By: King Abdulaziz City for Science and Technology (KACST)
- 6) **Siti Nur Syafiqah Shamsudin**
 - Anugerah Nadi Negara 2012 Wanita UMNO (Student) (The Nation Strength Award)
 - Awarded By: Wanita UMNO
- 7) **Dr. Ong Hui Lim**
 - Toray Science Grant Award
 - Awarded By: Programme Fellowship L`Oreal
- 8) **Dr. Hakimah Osman**
 - National Fellowship for Women in Science (FWIS) Award
 - Awarded By: Programme Fellowship L`Oreal
- 9) **Dr. Farah Aini Dahalan**
 - Gold Award for the Best Doctoral Thesis (Water Resources and Hydrology) 2011
 - Awarded By: UNESCO-Malaysia International Programme (UNESCO-IHP, Malaysia).



2. QUICK FACTS

SCImago International Ranking WORLD REPORT 2012

Ranking			University	Publishing Output SCImago Documents (2004-2012)
World	Regional	National		
483	104	1	Universiti Sains Malaysia	6755
484	105	2	Universiti Malaya	6754
541	119	3	Universiti Putra Malaysia	6179
566	125	4	Universiti Kebangsaan Malaysia	5911
901	211	5	Universiti Teknologi Malaysia	2585
1454	320	6	Universiti Teknologi Mara	2418
1242	388	7	Universiti Multimedia	1959
1789	475	8	Universiti Islam Antarabangsa Malaysia	1471
2168	587	9	Universiti Teknologi PETRONAS	1112
2832	723	10	Universiti Tenaga Nasional	756
2760	740	11	Universiti Malaysia Sabah	726
2702	758	12	Universiti Monash Malaysia	681
2864	768	13	Universiti Malaysia Perlis	666
3086	775	14	Universiti Malaysia Sarawak	652
2884	794	15	Universiti Nottingham Kampus Malaysia	602
3173	830	16	Universiti Tunku Abdul Rahman	535
2968	859	17	Universiti Malaysia Terengganu	480

Source: http://www.scimagoir.com/pdf/sir_2012_world_report.pdf



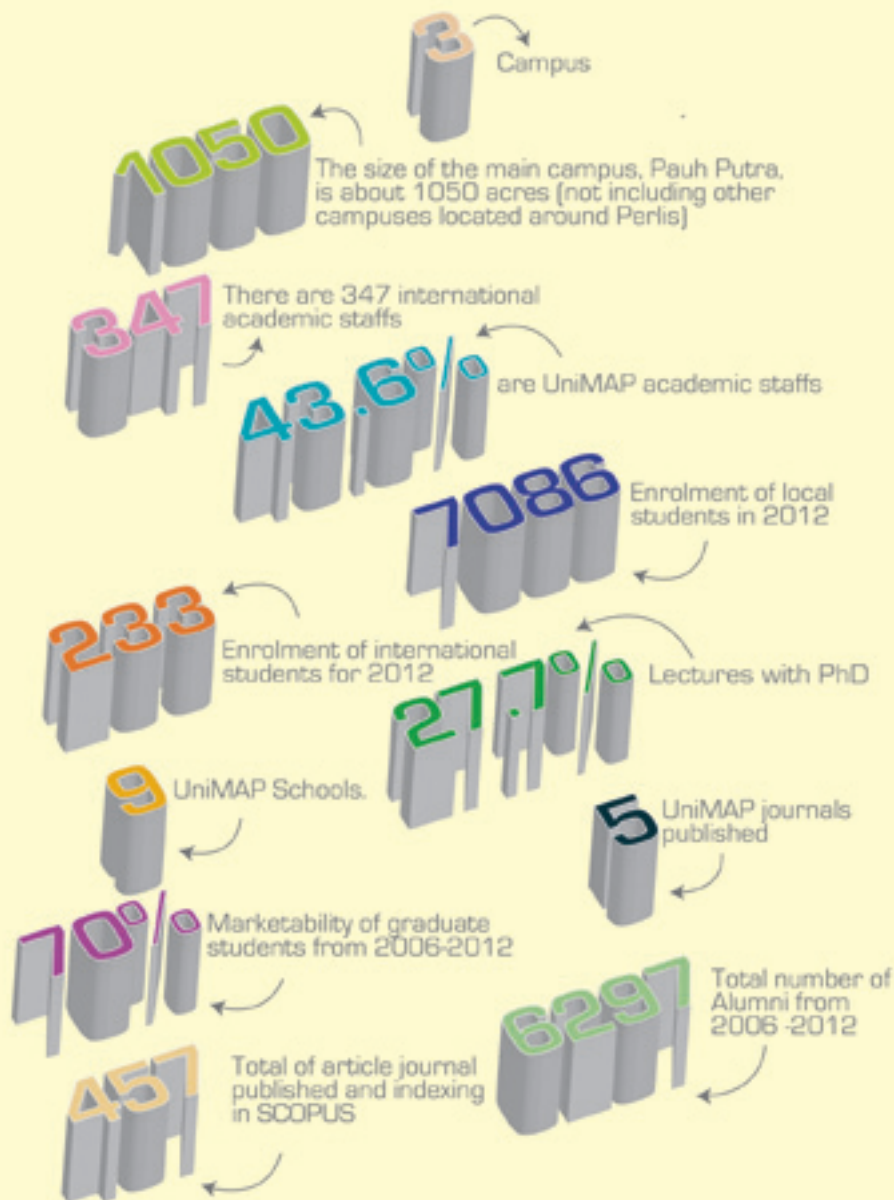
2. QUICK FACTS

STAR RATING

Ministry of Education Malaysia (Kementerian Pendidikan Tinggi -KPT) MyMoheS Compliance System according to the Star Rating for the Semester 2, 2011/2012.

IPTA	OVERAL PERCENTAGE (%)	STAR RATING
UM	98.5%	5 ★★★★★
UPM	97.9%	5 ★★★★★
UTM	92.7%	4.5 ★★★★★
UKM	92.4%	4.5 ★★★★★
USM	88.2%	4 ★★★★★
UniMAP	99.0%	5 ★★★★★
UMP	98.6%	5 ★★★★★
UTHM	97.9%	5 ★★★★★
UTeM	94.0%	4.5 ★★★★★
KTAR	97.8%	5 ★★★★★
UMK	96.4%	5 ★★★★★
UPSI	95.3%	4.5 ★★★★★
UMT	94.7%	4.5 ★★★★★
UPNM	94.7%	4.5 ★★★★★
USIM	94.5%	4.5 ★★★★★
UniSZA	93.2%	4.5 ★★★★★
UUM	87.9%	4 ★★★★★
PPUM	00.0%	-
UMS	94.0%	4.5 ★★★★★
UIAM	91.7%	4.5 ★★★★★
UNIMAS	96.4%	5 ★★★★★
UiTM	85.8%	4 ★★★★★

- Research University
- Technical University of Malaysia
- Focus University, KTAR and PPUM
- Comprehensive University







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4

ADMINISTRATIVE STRUCTURE



4. ADMINISTRATIVE STRUCTURE

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

- ☐ **BOARD OF DIRECTORS**

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JSM, DPSK.
Professor Emeritus, UTM International Campus, Kuala Lumpur.

.....
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Yang Berbahagia Brigedier Jeneral Dato' Professor Dr. Kamarudin Hussin
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Vice Chancellor of UniMAP

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Yang Berhormat Tuan Abdul Rasid Sudin
Perlis State Legal Advisor

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Chief Executive Officer of G&P Professionals Sdn. Bhd.

.....
Yang Berbahagia En. Zamzuri Abdul Aziz
Deputy Director of the Budget (General Services), Ministry of Finance



4. ADMINISTRATIVE STRUCTURE

Yang Berbahagia Datuk Shah Headan Ayoop Hussain Shah

Managing Director of Sheba Resources Sdn. Bhd.

Yang Berbahagia Professor Dr. Ali Yeon Md Shakaff

Chairman of the Council Professor UniMAP

Replacement Member

Yang Berbahagia Mr. Yahaya Abd. Aziz

Assistant to the Senior Director

Division of Industrial Relation and Commercialization

Secretary

Yang Berusaha Mr. Zuber Hj. Mohamad

Acting Registrar UniMAP

☐ PRINCIPAL OFFICERS

Brigedier Jeneral Dato' Professor Dr. Kamarudin Hussin

Vice Chancellor

Professor Dr. Zul Azhar Zahid Jamal

Deputy Vice Chancellor (Academic and International)

Professor Dr. Ismail Daut

Deputy Vice Chancellor (Research and Innovation)

Mr. Zuber Hj. Mohamad

Acting Registrar

Madam Saodah Hassan

Bursar

-not yet appointed-

Chief Librarian

☐ HEAD OF DEPARTMENT (ADMINISTRATIVE)

Professor Dr. Zuraidah Mohd Zain

Assistant Vice Chancellor (Corporate Communication)

Associate Professor Abdul Aziz Mahmuddin

Assistant Vice Chancellor (Quality Management and Corporate Development)



4. ADMINISTRATIVE STRUCTURE

Mr. Razli Ahmad

Assistant Vice Chancellor (Student Affairs and Alumni)

Professor Ir. Dr. Rezuwan Kamaruddin

Dean, Academic Management

Professor Dr. Syed Alwee Aljunid Syed Junid

Dean, Research Management and Innovation Centre

Professor Datuk Wira Dr. Mohd Salleh Hj. Din

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

Professor Dr. Rosnah Ismail

Director, Counselling Centre

Professor Dr. Uda Hashim

Director, Institute of Nano Electronic Engineering

Professor Dr. Asiah Sarji

Director, Publication Unit

Associate Professor Dr. Kong Wah@Syaharom Abdullah

Dean, Centre for International Affairs

Associate Professor Dr. Mahmad Nor Jaafar

Director, Agrotechnology Development Unit

Associate Professor Dr. Zainab Hamzah

Director, Media Unit

Associate Professor Dr. Othman Hashim

Director, Multimedia Unit

Associate Professor Lt. Kol. (B) Azuddin Bahari

Director, Occupational Safety and Health Unit

Associate Professor Ir. Shuib Sahudin

Director, Accreditation and Qualification Unit

Associate Professor Dr. Ye Htut@Mohammad Iqbal Omar

Director, Health Centre

Associate Professor Mazelan Abdul Hamid

Director, Development Department

Dr. Mohd Mizan Mohammad Aslam

Director, Sustainable Development Unit

Dr. Ku Mohd Nabil Ku Hamid@Ku Ismail

Director, Teaching and Learning Unit



4. ADMINISTRATIVE STRUCTURE

Ustaz Hassan Hj. Arshad

Director, Islamic Centre

Mr. Afzal Abu Othman

Director, Sport Centre / Principal, Residential College

Mr. Nasrudin Abd Shukor

Director, Information and Communication Technology Centre

Mr. Nor Azmi Hj. Johari

Director, Security Department

Madam Husna 'Afifi Mohd Yusoff@Mat Jusoh

Director, UniMAPfm

Mr. Noor Hasnizam Hanafi

Director, Diploma Programme

-not yet appointed-

Director, Cultural and Recreation Unit

-not yet appointed-

Director, Strategic Studies Unit

Associate Professor Dr. Idris Md. Noor

Principal, Residential College

Associate Professor Shamshul Bahar Yaakob

Principal, Residential College

Madam Umami Noor Nazahiah Abdullah

Principal, Residential College

☐ DEANS/HEAD OF DEPARTMENT (ACADEMIC AFFAIRS)

Professor Dr. Mohd Yusoff Mashor

Dean, Centre for Graduate Studies

Professor Dr. R. Badlishah Ahmad

Dean, School of Computer and Communication Engineering

Professor Dr. Abdul Hamid Adom

Dean, School of Mechatronic Engineering

Professor Dr. Salleh Abd Rashid

Dean, Centre for Communication Technology and Human Development



4. ADMINISTRATIVE STRUCTURE

Associate Professor Dr. Johari Adnan
Dean, School of Microelectronic Engineering

Associate Professor Dr. Khairul Nizar Ismail
Dean, School of Environmental Engineering

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

Associate Professor Dr. Abd Wahab Jusoh
Dean, Institute of Engineering Mathematics

Associate Professor Che Mohd Ruzaidi Ghazali
Dean, Engineering Centre

Dr. Khairul Azwan Ismail
Dean, School of Manufacturing Engineering

Dr. Mohd Fareq Abd Malek
Dean, School of Electrical System Engineering

Dr. Khairul Rafezi Ahmad
Dean, School of Material Engineering

Dr. Muhammad Syarhabil Ahmad
Dean, School of Bioprocess Engineering

Dr. Yufridin Wahab
Director, Centre for Industrial Collaboration

Mr. Ahmad Fahmi Mahamood
Director, Co-Curriculum Centre

Updated : 30 November 2012
Source : Recruitment Unit



5

CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES





5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

Table 5.1: Academic Programmes by Schools

Academic Programmes				
SCHOOL	Degree Courses in Engineering (with Honours)	Diploma Courses in Engineering	Post-Graduate Courses (by Research)	Post-Graduate Courses (by Mixed Mode)
Microelectronic Engineering	Microelectronic Engineering	Microelectronic Engineering	Ph.D M.Sc. (Microelectronic Engineering)	-
	Electronic Engineering			
	Photonic Engineering			
Computer and Communication Engineering	Computer Engineering	Computer Engineering	Ph.D M.Sc. (Computer Engineering) M.Sc. (Communication Engineering)	-
	Communication Engineering			
	Computer Network Engineering			
Mechatronic Engineering	Mechatronic Engineering	Mechatronic Engineering	Ph.D M.Sc. (Mechatronic Engineering) M.Sc. (Mechanical Engineering) M.Sc. (Biomedical Electronic Engineering)	-
	Mechanical Engineering			
	Biomedical Electronic Engineering			
Electrical System Engineering	Electrical System Engineering	Electrical Engineering	Ph.D M.Sc. (Electrical Systems Engineering)	-
	Industrial Electronic Engineering			
	Electrical Energy Systems Engineering			
Manufacturing Engineering	Manufacturing Engineering	Manufacturing Engineering	Ph.D M.Sc. (Manufacturing Engineering) M.Sc. (Product Design Engineering)	-
	Product Design Engineering			



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

Academic Programmes				
SCHOOL	Degree Courses in Engineering (with Honours)	Diploma Courses in Engineering	Post-Graduate Courses (by Research)	Post-Graduate Courses (by Mixed Mode)
Material Engineering	Material Engineering	Metallurgical Engineering	Ph.D M.Sc. (Material Engineering)	M.Sc. (Polymer Engineering)
	Metallurgical Engineering			
	Polymer Engineering			
Bioprocess Engineering	Bioprocess Engineering		Ph.D M.Sc. (Materials Engineering)	
	Bio-system Engineering			
	Bachelor of Chemical Engineering (with Honours) Biotechnology Process			
Environmental Engineering	Environmental Engineering		Ph.D M.Sc. (Environmental Engineering)	
	Building Engineering			
Business Innovation and Technopreneurship	Bachelor of Business (Hons.) (Entrepreneurship Engineering)		Ph.D M.Sc - Accounting - Finance - Economics - Management - Entrepreneurship and Technopreneurship - Marketing	MBA (Engineering Management Coursework)
	Bachelor of Business (Hons) (International Business)			
Institute of Nano Electronic Engineering			Ph.D M.Sc (Nano Electronic Engineering) M.Sc (Nano Material Engineering) M.Sc Nano Biotechnology Engineering)	



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

Academic Programmes				
SCHOOL	Degree Courses in Engineering (with Honours)	Diploma Courses in Engineering	Post-Graduate Courses (by Research)	Post-Graduate Courses (by Mixed Mode)
Institute Engineering Mathematics		-	Ph.D M.Sc -Applied Mathematics -Pure Mathematics -Statistics -Operational Research -Theoretical Physics	-
Communication Technology & Human Development Centre		-	Ph.D M.Sc - Communication and Information Technology - Education and Sport Science - Social Entrepreneurship - Psychology and Counselling - Language Studies and Translation	-

Table 5.2: New Post-Graduate Programmes Offered

School	Research Mode	Coursework
Computer and Communication Engineering	-	M.Sc (Embedded System Design Engineering)
Electrical System Engineering	-	M.Sc (Electrical Power Engineering)
Institute Engineering Mathematics	-	M.Sc (Engineering Mathematics)
Manufacturing Engineering	-	M.Sc (Manufacturing Systems Engineering)



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

Table 5.3: New Academic Programme Offered for 2012/2013 Academic Session

Schools	Academic Programmes
Manufacturing	Bachelor of Mechanical Engineering(Honours) (Machinery)
Electrical System	Bachelor of Electrical Engineering (Honours) (Industrial Power)
Computer & Communication	Bachelor of Electronic Engineering Technology (Honours) (Electronic Network Design)
Bioprocess Engineering	Bachelor of Chemical Technology Engineering (Honours) (Biotechnology Industry)

Updated : 4 December 2012

Source : Centre for Graduate Studies



DR. NAZUHUSNA KHALID

FIELD

Microelectronic Engineering (SoME)

HIGHER EDUCATION

PhD at La Trobe University
Melbourne, Australia.

THE IMPACT OF UniMAP ON ME

"Successful in providing a marketability student and industry"



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

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)	153	1. Lecturers 45	Expatriate 1	Overall 1:17
2. Bachelor of Engineering (Microelectronic)	269	2. PLV 11	Local 44	Overall (Lecturer) 1:21
3. Bachelor of Engineering (Electronic)	302	3. Technicians 12		Diploma 1:2
4. Bachelor of Engineering (Photonic)	198	4. Admin / Support Staff 6		Bachelor 1:17
5. Master of Science (Microelectronic)	28	5. Study Leave (SLAB / SLAI) : • MSc - • Ph.D 15		Master/Ph.D 1:1
6. Doctor of Philosophy	8	6. Fellow 6		
TOTAL	958	TOTAL 95	TOTAL 45	
• Diploma	153		MSc 23	
• Bachelor	769		PhD 22	
• Master of Science (Microelectronic)	28			
• Doctor of Philosophy	8			

Updated : 5 December 2012

Source : School of Microelectronic Engineering



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

SCHOOL OF COMPUTER AND COMMUNICATION ENGINEERING

Table 5.5: School of Computer and Communication Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students
1. Diploma of Engineering (Computer)	167	1. Lecturers 54	Expatriate 9	Overall 1:13
2. Bachelor of Engineering (Computer)	309	2. PLV 16	Local 45	Overall (Lecturer)
3. Bachelor of Engineering (Communication)	230	3. Tech. Assistant 1		Diploma 1:10
4. Bachelor of Engineering (Computer Network)	200	4. Technicians 13		Bachelor 1:14
5. Bachelor of Engineering (Technology)	27	5. Admin/ Support Staff 6		
6. Master of Science (Computer Eng.)	13	6. Study Leave (SLAB / SLAI) : 20		
7. Master of Science (Communication Eng.)	16	7. Fellow 2		
8. Doctor of Philosophy (Computer Eng.)	39			
9. Doctor of Philosophy (Communication Eng.)	30			
TOTAL	1031	TOTAL 112	TOTAL 54	
• Diploma	167		MSc	34
• Bachelor	766		PhD	20
• Master of Science	29			
• Doctor of Philosophy	69			

Updated : 5 December 2012

Source : School of Computer and Communication Engineering



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

SCHOOL OF MECHATRONIC ENGINEERING

Table 5.6: School of Mechatronic Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students
1. Diploma of Engineering (Mechatronic)	164	1. Lecturers 61	Expatriate 10	Overall 1:12
2. Bachelor of Engineering (Mechatronic)	427	2. PLV 24	Local 51	Overall (Lecturer) 1:15
3. Bachelor of Engineering (Mechanical)	392	3. Tech. Assistant 1		Diploma Bachelor 1:3
4. Bachelor of Engineering (Biomedical Electronic)	373	4. Technician 17		Master 1:18
5. Master of Science (Mechatronic Eng.)	38	5. Admin/ Support Staff 5		PhD 1:2
6. Doctor of Philosophy	61	6. Carpenter K1 4		
		7. Study Leave (SLAB /LAI):		
		• MSc 4		
		• PhD 29		
		8. Fellow 3		
TOTAL	1455	TOTAL 148	TOTAL 61	
• Diploma	164		MSc 28	
• Bachelor	1192		PhD 33	
• Master Science	38			
• Doctor of Philosophy	61			

Updated : 5 December 2012

Source : School of Mechatronic Engineering



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

SCHOOL OF ELECTRICAL SYSTEM ENGINEERING

Table 5.7: School of Electrical System Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students			
1. Diploma of Engineering (Electrical)	186	1. Lecturers	69	Expatriate	11	Overall	1:13
2. Bachelor of Engineering (Electrical System)	363	2. PLV	15	Local	58	Overall (Lecturer)	1:16
		3. Tech. Assistant	1			Diploma	1:2
3. Bachelor of Engineering (Electronic Industry)	335	4. Technician	21			Bachelor	1:10
		5. Chargeman	2				
4. Bachelor of Engineering (Electrical Energy System)	187	6. Admin/ Support Staff	7				
5. Bachelor of Engineering Technology (Industrial Power)	35	7. Study Leave (SLAB / SLAI):					
		• MSc	-				
		• PhD	12				
6. Master of Science (Electrical System)	18	8. Fellow	19				
7. Doctor of Philosophy	19						
TOTAL	1143	TOTAL	146	TOTAL	69		
• Diploma	186			MSc	58		
• Bachelor	920			PhD	11		
• Master Science	18						
• Doctor of Philosophy	19						

Updated : 5 December 2012

Source : School of Electrical System Engineering



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

SCHOOL OF MANUFACTURING ENGINEERING

Table 5.8: School of Manufacturing Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students
1. Diploma of Engineering (Manufacturing)	174	1. Lecturers 40 2. PLV 15	Expatriate 3 Local 37	Overall 1:11 Overall (Lecturer) 1:21
2. Bachelor of Engineering (Manufacturing)	344	3. Tutor - 4. Assitant Engineer 1		Diploma 1:3 Bachelor 1:11
3. Bachelor of Engineering (Product Design)	219	5. Technician 13		Master 1:1
4. Bachelor of Mechanical Engineering Technology (Machining)	47	6. Admin/ Support Staff 6 7. Carpenter K1 1		
5. Master of Science (Manufacturing)	13	8. Study Leave (SLAB / SLAI): • MSc 1 • PhD 23		
6. Master of Science (Product Design)	4	9. Fellow 8		
7. Doctor of Philosophy	14			
TOTAL	815	TOTAL 108	TOTAL 40	
• Diploma	174		MSc 29	
• Bachelor	610		PhD 11	
• Master of Science	17			
• Doctor of Philosophy	14			

Updated : 5 December 2012

Source : School of Manufacturing Engineering



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

SCHOOL OF MATERIAL ENGINEERING

Table 5.9: School of Material Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students			
1. Diploma of Engineering (Metallurgical)	151	1.Lecturers	69	Expatriate	7	Overall (Lecturer)	1:12
2. Bachelor of Engineering (Materials)	280	2. PLV	17	Local	62	Diploma	1:2
3. Bachelor of Engineering (Metallurgical)	181	3. Tech. Assistant	1			Bachelor	1:9
4. Bachelor of Engineering (Polymer)	174	4. Technician	9				
5. Master of Science (Material)	35	5. Carpenter K1	1				
6. Master of Science (Polymer Engineering)	6	6. Admin/ Support Staff	6				
7. Doctor of Philosophy	36	7. Study Leave (SLAB / SLAI) : • PhD	13				
		8. Fellow	1				
TOTAL	863	TOTAL	117	TOTAL	69		
• Diploma	151			MSc	37		
• Bachelor	635			PhD	32		
• Master of Science	41						
• Doctor of Philosophy	36						

Updated : 5 December 2012

Source : School of Material Engineering



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

SCHOOL OF BIOPROCESS ENGINEERING

Table 5.10: School of Bioprocess Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students
1. Bachelor of Engineering (Bioprocess)	231	1. Lecturers 46	Expatriate 4	Overall 1:11
		2. PLV 9	Local 42	Overall (Lecturer) 1:13
2. Bachelor of Engineering (Biosystem)	175	3. Technician 7		Bachelor 1:10
		4. Admin/Support Staff 7		Master of Science/Doctor of Philosophy 2:1
3. Bachelor of Engineering Technology (Industrial Biotechnology)	152	5. Study Leave (SLAB / SLAI):		
		• MSc 1		
		• PhD 10		
4. Bachelor of Engineering Technology (Agriculture System)	38	6. Fellow 6		
5. Master of Science (Bioprocess Engineering)	18			
6. Doctor of Philosophy	8			
TOTAL	622	TOTAL 86	TOTAL 46	
• Bachelor	596		MSc 23	
• Master of Science	18		PhD 23	
• Doctor of Philosophy	8			

Updated : 5 December 2012

Source : School of Bioprocess Engineering



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

SCHOOL OF ENVIRONMENTAL ENGINEERING

Table 5.11: School of Environmental Engineering

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students
1. Bachelor of Engineering (Environmental)	281	1. Lecturers 29	Expatriate 1	Overall 1:14
	263	2. PLV 10	Local 28	Overall (Lecturer) 1:19
2. Bachelor of Engineering (Building Engineering)		3. Technician 4		Bachelor 1:14
		4. Admin/Support Staff 4		Doctor of Philosophy 1:2
3. Master of Science (Environmental)	11	5. Study Leave (SLAB / SLAI) • PhD 25		
4. Doctor of Philosophy	8	6. Fellow 2		
TOTAL	563	TOTAL 74	TOTAL 29	
• Bachelor	544		MSc	21
• Master of Science	11		PhD	8
• Doctor of Philosophy	8			

Updated : 5 December 2012

Source : School of Environmental Engineering



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

SCHOOL OF BUSINESS INNOVATION AND TECHNOPRENEURSHIP

Table 5.12: School of Business Innovation and Technopreneurship

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students			
1. Bachelor of Business (International Business)	544	1. Lecturers	48	Expatriate	6	Overall (Lecturer)	1:23
2. Bachelor of Business (Engineering Technopreneurship)	471	2. Admin/ Support Staff	6	Local	42	Bachelor	1:21
3. Master of Business Administration (Engineering Management)	77	3. Study Leave (SLAB / SLAI) : • PhD	6			Doctor of Philosophy	1:6
		4. Fellow	6				
TOTAL	1092	TOTAL	66	TOTAL	48		
• Bachelor	1015				33		
• Master of Management	77				13		

Updated : 5 December 2012

Source : School of Business Innovation and Technopreneurship



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

INSTITUTE OF NANO ELECTRONIC ENGINEERING (INEE)

Table 5.13: Institute of Nano Electronic (INEE)

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students			
1. Master of Science	10	1. Academic	8	Expatriate	1	-	-
2. Doctor of Philosophy	13	2. Admin/ Support Staff	5	Local	7	-	-
		3. Study Leave (SLAB/SLAI)	4			-	-
		4. Technical	3				
TOTAL	23	TOTAL	67	TOTAL	8		

Updated : 5 December 2012

Source : Institute of Nano Electronic Engineering (INEE)



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

CENTRE FOR COMMUNICATION TECHNOLOGY AND HUMAN DEVELOPMENT

Table 5.14: Centre for Communication Technology and Human Development

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students
1. Master of Science	-	1. Academic 69	Expatriate 9	- -
2. Doctor of Philosophy	1	2. Admin/ Support Staff 11	Local 60	- -
		3. Study Leave (SLAB/SLAI) 4		
TOTAL	1	TOTAL 84	TOTAL 69	

Updated : 5 December 2012

Source : Centre for Communication Technology and Human Development



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

INSTITUTE OF ENGINEERING MATHEMATICS

Table 5.15: Institute of Engineering Mathematics

Programmes	Enrolment (Total)	Staff (Total)	Lectures (Total)	Ratio Staff & Students			
1. Master of Science	3	Academic	31	Expatriate	3	-	-
2. Doctor of Philosophy	-	Admin/ Support Staff	2	Local	30	-	-
		Study Leave (SLAB/SLAI)	5				
		Technical	11				
		Fellow	6				
TOTAL	3	TOTAL	55	TOTAL	33		

Updated : 5 December 2012

Source : Institute of Engineering Mathematics



5. CENTRES RESPONSIBLE FOR ACADEMIC PROGRAMMES

☐ INSTITUTES

- Institute of Engineering Mathematics
 - Institute of Nano Electronic Engineering
-

☐ ACADEMIC SUPPORT CENTRE

- Centre for Communication Skills and Entrepreneurship
 - Centre for Industrial Collaboration
 - Centre for Engineering
 - Centre for Co-Curriculum
 - Centre for International Affairs
 - Centre for Information and Communication Technology
 - Library
 - Teaching and Learning Unit
-

☐ CENTER OF EXCELLENCE (CoE)

- Centre of Excellence for Advanced Sensor Technology (CEASTech)
 - Centre of Excellence for Geopolymer and Green Technology (CEGeoETech)
 - Centre of Excellence Renewable Energy (CERE)
 - Centre of Excellence Advanced Communication Engineering Centre
-



6

QUALITY
CONTROL



6. QUALITY CONTROL

QUALIFICATION OF BACHELOR'S DEGREE PROGRAMMES

Table 6.1: Qualification of Accreditation of Bachelor Programmes by Boards of Engineers Malaysia (BEM)

No.	Programme	Accreditation (Year of Accredate)	EAC Reference No.	Cert. No.
1.	Bachelor of Engineering (Honour) (Computer Engineering)	2002-2006 2011-2012	BEM/041/0461/M/2005/2002 (0540) BEM/041/0460/M (002)	185 424
2.	Bachelor of Engineering (Honour) (Microelectronic Engineering)	2002-2006 2011-2012	BEM/041/0471/M/2005/2002 (0539) BEM/041/0400/M (002)	184 425
3.	Bachelor of Engineering (Honour) (Product Design Engineering)	2010-2011 2012-2013	BEM/041/0620/M (003) BEM/041//0620/M (004)	426 607
4.	Bachelor of Engineering (Honour) (Mechanical Engineering)	2010-2011 2012-2013	BEM/041/0620/M (003) BEM/041/0620/M (004)	427 605
5.	Bachelor of Engineering (Honour) (Biomedical Electronic Engineering)	2010-2011 2012-2013	BEM/041/0721/M (001) BEM/041/0721/M (002)	428 621
6.	Bachelor of Engineering (Honour) (Bioprocess Engineering)	2010-2011 2012-2013	BEM/041/0700/M (001) BEM/041/0700/M (002)	431 603
7.	Bachelor of Engineering (Honour) (Environmental Engineering)	2010-2011 2012-2013	BEM/041/0111/M (001) BEM/041/0111/M (002)	454 604
8.	Bachelor of Engineering (Honour) (Manufacturing Engineering)	2010-2011 2012-2013	BEM/041/0630/M (002) BEM/041/0630/M (003)	455 606
9.	Bachelor of Engineering (Honour) (Materials Engineering)	2010-2011 2012-2013	BEM/041/0740/M (002) BEM/041/0740/M (003)	432 610
10.	Bachelor of Engineering (Honour) (Mechatronic Engineering)	2010-2011 2012-2013	BEM/041/0520/M (002) BEM/041/0520/M (003)	433 608



6. QUALITY CONTROL

No.	Programme	Accreditation (Year of Accredate)	EAC Reference No.	Cert. No.
11.	Bachelor of Engineering (Honour) (Metallurgical Engineering)	2010-2011 2012-2013	BEM/041/0730/M (002) BEM/041/0730/M (003)	434 609
12.	Bachelor of Engineering (Honour) (Communication Engineering)	2010-2011 2012-2013	BEM/041/0440/M (002) BEM/041/0440/M (003)	435 602
13.	Bachelor of Engineering (Honour) (Electrical System Engineering)	2010-2011 2012-2013	BEM/041/0300/M (002) BEM/041/0300/M (003)	436 598
14.	Bachelor of Engineering (Honour) (Electronic Engineering)	2010-2011 2012-2013	BEM/041/0400/M (002) BEM/041/0400/M (003)	429 599
15.	Bachelor of Engineering (Honour) (Industrial Electronic Engineering)	2010-2011 2012-2013	BEM/041/0640/M (002) BEM/041/0640/M (003)	430 600
16.	Bachelor of Engineering (Honour) (Polymer Engineering)	2011-2012	BEM/041/0750/M (001)	526

Updated : 5 Disember 2012

Source : Qualification of Accreditation Unit



6. QUALITY CONTROL

Table 6.2: Qualification of Bachelor of Engineering Programmes by Malaysian Qualifications Agency (MQA)

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



6. QUALITY CONTROL

QUALIFICATION OF DIPLOMA OF ENGINEERING PROGRAMMES

Table 6.3: Qualifications of Diploma Programmes by Malaysian Qualifications Agency (MQA) and Jabatan Perkhidmatan Awam (JPA)

No.	Programmes	Qualification (Year)	Registration No.
1.	Diploma in Engineering (Electrical Engineering)	2009	11141
2.	Diploma in Engineering (Computer Engineering)	2009	11139
3.	Diploma in Engineering (Mechatronic Engineering)	2009	11140
4.	Diploma in Engineering (Metallurgy Engineering)	2009	11143
5.	Diploma in Engineering (Microelectronic Engineering)	2009	11138
6.	Diploma in Engineering (Manufacturing Engineering)	2009	11142

CONTINUING ACCREDITATION PROCESS BY BOARD OF ENGINEERS MALAYSIA (BEM) FOR BACHELOR OF ENGINEERING (HONOURS). UniMAP

- Product Design Engineering
- Mechanical Engineering
- Biomedical Electronic Engineering
- Bioprocess Engineering
- Environmental Engineering
- Manufacturing Engineering
- Material Engineering
- Mechatronic Engineering
- Metallurgical Engineering
- Communication Engineering
- Electrical System Engineering
- Electronic Engineering
- Industrial Electronic Engineering





7

**ACADEMIC
INFRASTRUCTURE**

7. ACADEMIC INFRASTRUCTURE

■ Table 7.1: Types of Infrastructure Provided

No.	Types of Infrastructure Provided	Total
1.	Teaching and Research Lab	156
2.	Engineering Centre	1
3.	Teaching Factory	1
4.	Semiconductor Clean Room	1
5.	Agro Technology Research Station	1
6.	Lecture Halls/Classrooms	84



8

**CENTER FOR
INFORMATION AND
COMMUNICATION
(ICT)**



8. CENTER FOR INFORMATION AND COMMUNICATION (ICT)

Table 8.1: Facilities Provided

No.	Facilities	Speed/ Total
1.	Access to internet from Data Centre, Kubang Gajah Campus	100 Mbps
2.	Number of location connected internet to Data Centre, Kubang Gajah Campus	28 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	6 premises
5.	Access internet from Data Centre School of Mechatronic, Pauh Putra Campus	100 Mbps
6.	Number of location connected internet to Data Centre School of Mechatronic Engineering, Pauh Putra Campus	7 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/ Data Centre Mechatronic, Pauh Putra Campus	1.5 Mbps = 2 premises 2 Mbps = 14 premises 4 Mbps = 6 premises 6 Mbps = 3 premises 8 Mbps = 2 premises 10 Mbps = 1 premises 16 Mbps = 1 premises
9.	Number of users	7858 students 1964 staffs
10.	Number of UTP data source	10,990 units
11.	Number of Wireless Access Point	80 units
12.	Storage attached network capacity	6 Terabyte
13.	Number of staffs email accounts– Zimbra Mail	1964 users
14.	Number of students email accounts – Zimbra Mail	7858 users
15.	Number of Smart Card and Biometric Readers for Access Control System/Time Management System	140 units 80 locations
16.	Number of locations for IP cameras	80 locations



8. CENTER FOR INFORMATION AND COMMUNICATION (ICT)

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>

Human Resources Management System:

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

Financial Management System:

<http://ius-finance.unimap.edu.my>

Library Management System:

<http://mylib.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>

Updated : 4 Dec 2012

*Source : Centre for Information & Communication
Technology*





9

LIBRARY



9. LIBRARY

Table 9.1: Seating Capacity

No.	Facilities	Total
1.	Reading Area	624 seats
2.	Info Access Lab	82 seats
3.	Public Access Computers	130 seats
4.	Leisure Area	202 seats
5.	Wired Carrels	160 seats
6.	Laptop Zone	39 seats
7.	Discussion Rooms	86 seats
8.	Auditorium	184 seats
9.	Postgraduate Lounge	32 seats
10.	Carrel Rooms	12 seats
TOTAL		1,551

Table 9.2: Library Facilities

No.	Facilities	Total
1.	Public Access Computers	130 units
2.	Selfcheck Stations	10 units
3.	Book Drop Stations	3 units
4.	Photocopying Machine and Network Printing Stations	5 units
5.	Cubical Storage Unit	588 units
6.	Wireless Internet Access	Available
7.	Wired Carrels	160 units

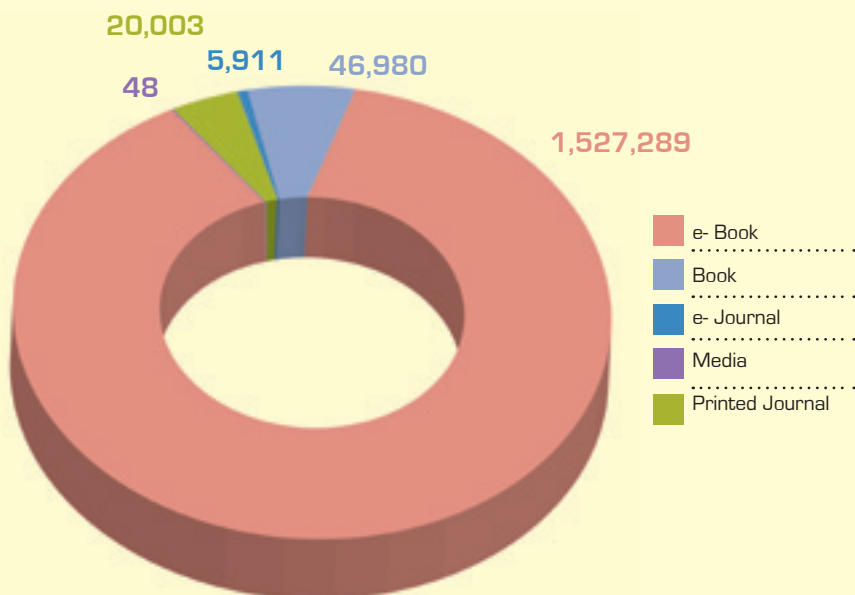


9. LIBRARY

Table 9.3: Library Collections

No.	Facilities	Total
1.	Books and Bound Journals	44,980 copies
2.	Electronic Books (e-Books)	1,527,289 titles
3.	Electronic Journal (e-Journals)	20,003 titles
4.	Printed Journals	48 titles
5.	Media Items	5,911 item
TOTAL		1,598,231 copies

Library Collections



● Figure 9.1: Library Collections



9. LIBRARY

Table 9.4: Electronic Resources

No.	Facilities	Areas
1.	ACM Digital Library	Information Technology
2.	ASME (Association of Mechanical Engineers) Digital Library	Engineering
3.	ASTM Digital Library	Engineering
4.	ASTM Standards Online	Engineering
5.	BERNAMA Library & Infotlink Service	General
6.	Britannica Online	General
7.	CLJ Law	Law
8.	Datamonitor-Marketline	Statistics
9.	Ebrary Academic Complete	General
10.	EBSCOhost Business Source Complete (BSC) & Academic Source Premier (ASP)	Science and Technology, Social Science and Humanities, Business
11.	EBSCOHost e-Book	General
12.	Emerald eBook	Business, Management and Economy
13.	Emerald eJournal	Engineering and Management
14.	EngNetBASE	Engineering
15.	Gale Virtual Reference Library	Asian Studies
16.	IEEE Xplore	Engineering
17.	International Journal of Industrial Engineering : Theory, Application and Practice	Engineering
18.	IOP Science	Pyhsics
19.	Journal Citation Reports	Publication
20.	Journal of Micro/Nanolitography, MEMS and MOEMS	Engineering
21.	JSTOR	Business
22.	Knovel	Engineering
23.	Malaysian Standards Online	General
24.	McGraw Hill : Access Engineering	Engineering
25.	McGraw Hill : Access Science	Technology and Engineering
26.	MyiLibrary	General
27.	Oxford Reference Online Premium	General



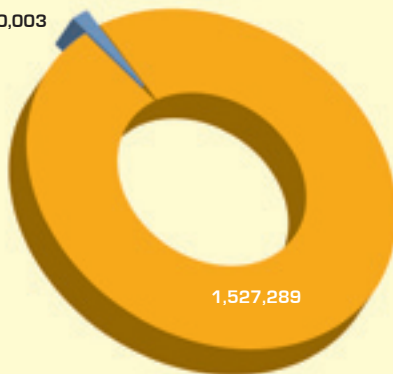
9. LIBRARY

Bil.	Kemudahan	Bidang
28.	Proquest Dissertation & Thesis	Science and Engineering
29.	SAE Journal • SAE International Journal of Engines • SAE International Journal of Fuels and Lubricants	Engineering
30.	Science Direct	Science and Technology
31.	Scopus	Citation Database
32.	Sensor Letters	Engineering
33.	SIAM Locus	Mathematic
34.	SpringerLink	Science and Technology, Social Science and Humanities
35.	Times Higher Education	Education
36.	Wiley Online Library	Engineering and Mathematics
37.	Worldcat Local	Search Engine

Table 9.5: Electronic Resources by Categories

No.	Category	Total
1.	e-Journal	20,003
2.	e-Book	1,527,289
TOTAL		1,547,292

20,003



ELECTRONIC RESOURCES BY CATEGORIES

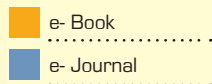


Figure 9.2: Electronic Resources by Categories



9. LIBRARY

Table 9.6: Basic Circulations by Year (2003-2012)

No.	Year	Total
1.	2003	6,771
2.	2004	13,867
3.	2005	15,358
4.	2006	23,118
5.	2007	30,417
6.	2008	43,859
7.	2009	31,130
8.	2010	42,075
9.	2011	27,286
10.	2012	35,362
TOTAL		269,243

BASIC CIRCULATIONS BY YEAR (2003-2012)

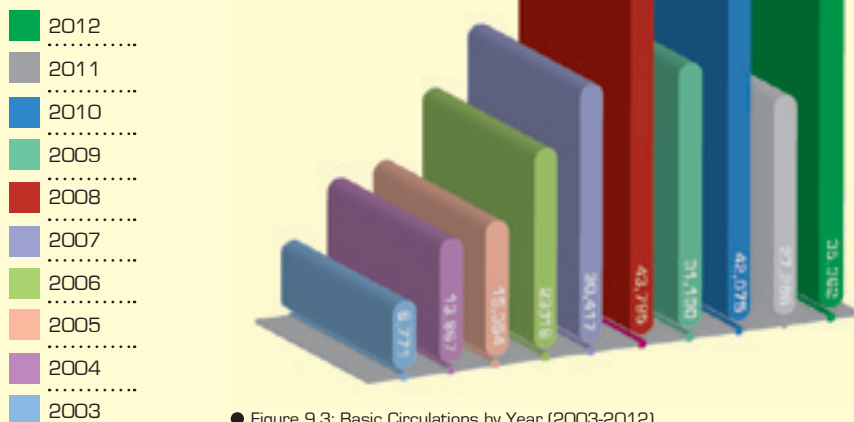


Figure 9.3: Basic Circulations by Year (2003-2012)



9. LIBRARY

Table 9.7: Access to E-Resources by Year (2004-2012)

Bil.	Year	Number Of Searches	Number Of Downloads
1.	2004	663	8,366
2.	2005	16,252	15,863
3.	2006	52,233	125,733
4.	2007	66,955	308,758
5.	2008	84,416	250,967
6.	2009	115,689	266,695
7.	2010	131,798	332,515
8.	2011	260,406	507,523
9.	2012 (Until November)	277,622	514,708
TOTAL		1,006,034	2,331,128

ACCESS TO ELECTRONIC RESOURCES BY YEAR (2004-2012)

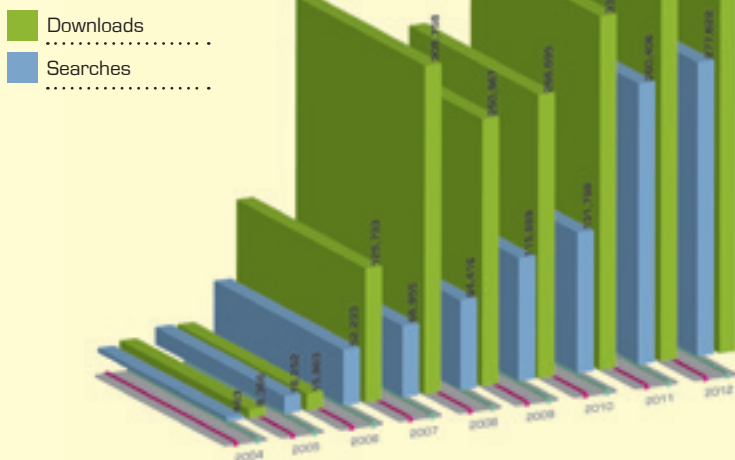


Figure 9.4: Access to Electronic Resources by Year (2004-2012)



9. LIBRARY

Table 9.8: Number of Digital Items (Institutional Repository and Fingertips)

No.	Collections	Total
1.	Final Year Project Report	646
2.	Journal Article	654
3.	Monograph And Chapter In Book	4
4.	Research And Innovations	257
5.	Thesis	86
6.	Conference Papers	2037
7.	Digital Images	189
8.	Document Delivery Items	22
9.	News Paper Articles	13,336
10.	Pass Year Exam Papers	1896
11.	References Bank	1
12.	Library Conference	10
13.	Malaysia Collection	2,531
Total		21,669

Table 9.9: UniMAP Library in Ranking of World Repositories 2012

No.	Year	World Ranking	Malaysia Ranking
1.	December 2010	239	4
2.	July 2011	141	4
3.	July 2012	219	3
4.	December 2012	202	3

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.opendoar.org/>
6. Worldcat (OCLC) : <http://www.oclc.org/worldcat/>



10

ACADEMIC
STAFF



10. ACADEMIC STAFF

Table 10.1: Total Number of Academic Staff

Lecturers (686)		Language Instructor, Tutor and Teaching Engineer (PLV)
Ph.D	Master	Bachelor
190 (21.9%)	496 (57.3%)	180 (20.8%)

Table 10.2: Designation & Number of Academic Staff*

Designation	Total (per Person)
Professors	31
Visiting Professors	11
Associate Professors	42
Visiting Associate Professors	6
Senior Lecturers	157
Lecturers	2
Senior Visiting Lecturers	436
Visiting Lecturers	1
Language Instructors	28
Tutors	6
Teaching Engineers	146

**Overall total of Academic Staff 866 or 43.6% from all UniMAP Staff*

Adjunct Professors (11) Certified Engineers (13)

Table 10.3: Designation and Number of Non-Academic Staff *

Designation	Total
Officers (Grade 41 and above)	217
Technical Staff (in Learning Centres)	128
Technical Staff (other department)	62
Other	714

** Total of Non-Academic Staff is 1,121 or 56.4% from overall Staff*



10. ACADEMIC STAFF

Table 10.4: Number of Staff According to Post

Designation	Total
Staff (Permanent)	1,178
Staff (Contractual)	768
Staff (Part-Time)	21
Staff (Visiting)	20
Total	1,987

Table 10.5: Lecturers Qualification by School and Departments

No.	Schools/Departments	Ph.D	Master	Total	% Ph.D
1.	School of Environmental Engineering	10	34	44	22.7
2.	School of Material Engineering	33	39	72	45.8
3.	School of Bioprocess Engineering	23	32	55	41.8
4.	School of Computer and Communication Engineering	21	50	71	29.6
5.	School of Mechatronic Engineering	29	61	90	32.2
6.	School of Microelectronic Engineering	20	34	54	37.0
7.	School of Manufacturing Engineering	12	49	61	19.7
8.	School of Electrical System Engineering	11	70	81	13.6
9.	School of Business Innovation and Technopreneurship	8	44	52	15.4
10.	Centre for Communication Technology and Human Development	14	42	56	25.0
11.	Institute of Engineering Mathematics	4	38	42	9.5
12.	Institute Nano Electronic Engineering	4	2	6	66.7
13.	Anjung UniMAP KL	1	0	1	100.0
14.	Publication Unit	0	1	1	0.0
Total		190	496	686	27.7%



Far East University
遠東科技大學

多模態協力車

Multi-Mode Tandem Bicycle

ing
花盆

2011
20

FEATU



11

EXTERNAL EXAMINERS AND ACADEMIC ADVISORS



11. 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	<input checked="" type="checkbox"/>		Prof. Jugdutt (Jack) Singh – La Trobe University Melbourne, Australia
	<input checked="" type="checkbox"/>		Dato' Prof. Dr. Zainul Abidin Md. Shariff – Universiti Tenaga Nasional Malaysia
	<input checked="" type="checkbox"/>		Prof. Dr. Hj Mohamed Khalil Mohd Hani – Universiti Teknologi Malaysia
	<input checked="" type="checkbox"/>		Prof. Dr. Abu Bakar Mohammad – Universiti Teknologi Malaysia
	<input checked="" type="checkbox"/>		Prof. Cornelis Hendrik de Groot – University Of Southampton
	<input checked="" type="checkbox"/>		Prof. Darren M. Bagnall – University Of Southampton
	<input checked="" type="checkbox"/>		Prof. Dr. Razali Ismail – Universiti Teknologi Malaysia
	<input checked="" type="checkbox"/>		Prof. Dr. Salwani Mohd. Daud
	<input checked="" type="checkbox"/>		Prof. Dr. Mohd Alauddin Mohd Ali
School of Computer and Communications Engineering		<input checked="" type="checkbox"/>	Dato' Prof. Dr. Ir. Zainul Abidin Md Shariff – Universiti Tenaga Nasional
	<input checked="" type="checkbox"/>		Prof. Ir. Dr. Marzuki Mustafa – Universiti Kebangsaan Malaysia
	<input checked="" type="checkbox"/>		Prof. Lakhmi Jain – Universiti of South Australia
	<input checked="" type="checkbox"/>		Prof. Dr. Mohd. Adzir Mahdi – Universiti Putra Malaysia
	<input checked="" type="checkbox"/>		Prof. Peter Hall – University of Birmingham
	<input checked="" type="checkbox"/>		Prof. Dr. Kasmiran Jumari – Universiti Kebangsaan Malaysia
	<input checked="" type="checkbox"/>		Prof. Dr. Mansoor Alam – University of Toledo



11. EXTERNAL EXAMINERS AND ACADEMIC ADVISORS

Schools/Bachelor of Engineering (Hons)	EE	AA	Name/Organization
School of Material Engineering	✓		Prof. Dr. Hj. Zainal Ariffin Hj. Ahmad – Universiti Sains Malaysia
	✓		Prof. Dr. Azman Hassan – Universiti Teknologi Malaysia
	✓		Prof. Dr. Esah Hamzah – Universiti Teknologi Malaysia
School of Mechatronic Engineering	✓		Prof. Dr. Ir Sheikh Hussain Sheikh Salleh
	✓		Prof. Dr. Mohd Nasir Tamin – Universiti Teknologi Malaysia
	✓		Assoc. Prof. Dr. Rosbi Mamat – Universiti Teknologi Malaysia
	✓		Prof. Dr. Momoh Jimoh-Eyiomika Salami
School of Manufacturing Engineering		✓	Prof. Dr. William John ION – University of Strathclyde Scotland, United Kingdom
	✓		Dr. Ahmad Majdi Abdul Rani – Universiti Teknologi Petronas
	✓		Assoc. Prof. Dr. Soullis Tavrou
	✓		Prof. Dr. Zahari Taha
	✓		Prof. Datin Dr. Napsiah Ismail
School of Electrical System Engineering	✓		Dr. Ismail Musirin
School of Bioprocess Engineering		✓	Prof. Dr. Dalibor Stys – Institute of Physical Biology, University of South Bohemia.
	✓		Prof. Ir. Dr. Hj. Desa Ahmad – Universiti Putra Malaysia
	✓		Prof. Ir. Dr. Mohd Sobri Takriff – Universiti Kebangsaan Malaysia



11. EXTERNAL EXAMINERS AND ACADEMIC ADVISORS

Schools/Bachelor of Engineering (Hons)	EE	AA	Name/Organization
School of Environmental Engineering		✓	Prof. Dr. Md. Ghazaly Shaaban – Universiti Malaya
School of Business Innovation and Technopreneurship	✓		Profesor Dr. John R. Schermerhorn – College Of Business, Ohio University
	✓		Prof Madya Dr. Mohd Hassan Mohd Osman – Universiti Teknologi Malaysia
	✓		Prof Dr. Mohd Khairuddin Hashim – Universiti Utara Malaysia
		✓	Prof. Dr. Ciaran O'Cathain – Athlone Institute of Technology, Ireland
Microelectronic Eng. (Diploma Programme)	✓		Assoc. Prof. Dr. Razali Ismail – Universiti Teknologi Malaysia
Computer Engineering (Diploma Programme)		✓	Prof. Dr. Kamaruzzaman Seman – Universiti Sains Islam Malaysia
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 Microelectronic Engineering			Dr. Watnabe Masahide (Adjunct Profesor)
			Ir. Dr. Hor Poh Jin (Adjunct Profesor)
School of Material			Dr. Clement L. Higginbotham (Adjunct Profesor)
School of Electric System Engineering			Dr. Ahmad Jaafar Abd Hamid (Adjunct Profesor)



11. EXTERNAL EXAMINERS AND ACADEMIC ADVISORS

Schools/Bachelor of Engineering (Hons)	EE	AA	Name/Organization
School of Environmental Engineering			Dr. Ir. Abdul Aziz Arshad (Adjunct Profesor)
Centre of Communication Technology and Human Development			YBhg. Dr. Haji Juanda Haji Jaya (Adjunct Profesor)
			Datuk Dr. Shamsul Amri Baharuddin (Adjunct Profesor)
			Dato' Dr. Ismail Alias (Adjunct Profesor)
School of Business Innovation and Tehnopraneuship			Prof. Datuk Dr. Ramlah Adam (Adjunct Profesor)
			Prof. Dato' Dr. Haji Ahmad Sabirin Dato' Arshad (Adjunct Profesor)
			YBhg. Lt. Jen. Dato' Wira Haji Zulkifli Haji Zaimal Abidin (Adjunct Profesor)
			Professor Dr. Teo – Kee Teo (Adjunct Profesor)



(EE) External Examiners



(AA) Academic Advisors





12

**VISITING
LECTURERS**



12. VISITING LECTURERS

Table 12.1: List of Visiting Lecturers for Semester 1 2012/2013 Academic Session

No.	Name	Organization
1.	Dr. Ilham Mukriz Zainal Abidin	Industrial Technology Division, Malaysian Nuclear Agency
2.	Ir. Ahmad Sharmy Mohammed Jaffar	Innovyze Sdn. Bhd.
3.	Ir. Woo Ah Keong	Master Jaya Engineering Sdn. Bhd.
4.	Ir. Mohd Noh Ahmad	TNB Research Sdn. Bhd.
5.	Ir. Alwi Mahmudin	Design Pro Consult Sdn. Bhd.
6.	Ir. Dr. A Naser Abdul Ghani	Abadini Integrass Engineers Sdn. Bhd.
7.	Ir. Mohamad Adhar Yahaya	Jabatan Pengairan & Saliran Malaysia (JPS)
8.	Ir. Ahmad Shukri Abd Rashid	Jabatan Kerja Raya (Suruhanjaya Pengangkutan Awam Darat - SPAD)
9.	Ir. Telochan Singh	Technical Adviser TSH Plantations
10.	Ir. Jason Ooi Ho Seng	O3 Solution
11.	Ir. Mohd Adnan Mohd Nor	RPM Engineers Sdn. Bhd.
12.	Ir. Kim Kek Seong	Am Sales & Marketing Sdn. Bhd.
13.	Dr. Ing. Narendra Kumar	Motorola Solution



13

ACADEMIC
CALENDAR



13. ACADEMIC CALENDAR

Table 13.1: Academic Calendar 2012/2013 Session for Diploma in Engineering Programmes

1 st Semester 11 June 2012 – 14 October 2012 (18 weeks)				
ACTIVITIES	TIME PERIOD		DURATION	NOTES
Registration/ New Intake	3 June 2012	8 June 2012	6 days	-
Lecture	11 June 2012	17 August 2012	10 weeks	Israk Mikraj 17 June 2012 Nuzul Al-Quran 6 August 2012
Mid Semester Break	18 August 2012	26 August 2012	1 weeks	Hari Raya Aidilfitri 19 & 20 August 2012
Lecture	27 August 2012	23 September 2012	4 weeks	National Day 31 August 2012 Malaysia Day 16 September 2012
Revision Week	24 September 2012	30 September 2012	1 weeks	-
Examination Week	1 October 2012	14 October 2012	2 weeks	-
Semester Break	15 October 2012	18 November 2012	5 weeks	Hari Raya Aidiladha 26 October 2012 Deepavali Festival 13 November 2012 Awal Muharam/Maal Hijrah 1433 15 November 2012



13. ACADEMIC CALENDAR

2nd Semester 19 November 2012 – 9 June 2013 (19 weeks)

ACTIVITIES	TIME PERIOD		DURATION	NOTES
Lecture	19 November 2012	23 December 2012	5 weeks	-
Mid Semester Break	24 December 2012	30 December 2012	1 week	Christmas Day 25 December 2012
Lecture	31 December 2012	8 February 2013	6 weeks	Maulidur Rasul 24 January 2013
Special Break	9 February 2013	17 February 2013	1 week	Chinese New Year 10 & 11 February 2013
Lecture	18 February 2013	10 March 2013	3 weeks	-
Revision Week	11 March 2013	17 March 2013	1 week	-
	18 March 2013	31 March 2013	2 weeks	-
Examination Week *Internship	1 April 2013	9 June 2013	10 weeks	Labour Day 1 May 2013 Hari Keputeraan DYMM Tuanku Raja Perlis 17 May 2013 Hari Keputeraan SPB Yang Di-Pertuan Agung 1 June 2013 Israk Mikraj 6 June 2013



13. VISITING LECTURERS

Table 13.2: Academic Calendar 2012/2013 Session for Degree Programme

1 st Semester 10 September 2012 – 20 January 2013 (19 weeks)				
ACTIVITIES	TIME PERIOD		DURATION	NOTES
Registration/ New Intake	2 September 2012	7 September 2012	6 days	-
Lecture	10 September 2012	25 October 2012	7 weeks	Malaysia Day 16 September 2012
Mid Semester Break	26 October 2012	4 November 2012	1 week	Hari Raya Aidiladha 26 October 2012
Lecture	5 November 2012	23 December 2012	7 weeks	Happy Deepavali 13 November 2012 Awal Muharam/Maal Hijrah 1433 15 November 2012
Revision Week	24 December 2012	30 December 2012	1 week	Christmas Day 25 December 2012
Examination Week	31 December 2012	20 January 2013	3 weeks	-
Semester Break	21 January 2013	17 February 2013	4 weeks	Maulidur Rasul 24 January 2013 Chinese New Year 10 & 11 February 2013



13. VISITING LECTURERS

2 nd Semester 18 February 2013 – 23 June 2013 (18 weeks)				
ACTIVITIES	TIME PERIOD		DURATION	NOTES
Lecture	18 February 2013	7 April 2013	7 weeks	-
Mid Semester Break	8 April 2013	14 April 2013	1 week	-
Lecture	15 April 2013	2 June 2013	7 weeks	Labour Day 1 May 2013 Hari Keputeraan DYMM Tuanku Raja Perlis 17 May 2013 Wesak Day 25 May 2013 Hari Keputeraan SPB Yang Di-Pertuan Agung 1 June 2013
Revision Week	3 June 2013	9 June 2013	1 week	Israk Mikraj 6 June 2013
Examination Week	10 June 2013	23 June 2013	2 weeks	-
Semester Break	24 June 2013	1 September 2013	10 weeks	Nuzul Al-Quran 25 July 2013 Hari Raya Aidilfitri 8 & 9 August 2013

Updated
Source

: December 2012
: Senate Unit



PT



MURoC

UNMAP

MALAYSIA

KARANGAN LAKSANA MERKUR

Collaboration

Exclusive

MURoC

UNMAP

UNMAP

UNMAP

UNMAP

MURoC
BEST ROBOT AWARD
1st RUNNER UP

MURoC
PAINTBALL ROBOT COMPETITION
1st RUNNER UP
ONE THOUSAND SEVEN HUNDRED AND FIFTY ONLY
RM 1,750.00



14

STUDENT ENROLMENT

ROPE CLIMBING ROBOT COMPETITION

2nd RUNNER UP

ONE THOUSAND FIVE HUNDRED ONLY

RM 1,500.00

12376734 35 024027 00007470441014



14. STUDENT ENROLMENT

A) NUMBER OF STUDENTS REGISTERED FOR DEGREE AND DIPLOMA PROGRAMMES 2012/2013 ACADEMIC SESSION

Local

■ 2012

28 Degree Programmes (Total: 2,588 students)

- STPM Holders: **540** students
- Matriculation Holders: **1,070** students
- Diploma Holders: **978** students

6 Diploma Programmes (Total: 432 students)

- SPM Holders: **427** students
- Certificate Holders: **5** students

Total

3,020 students

(Degree and Diploma Programme)

NUMBER OF STUDENTS INTERNATIONAL REGISTERED FOR DEGREE AND PREPARATORY PROGRAMMES 2012/2013 ACADEMIC SESSION

■ 2012

28 Degree Programmes
(Total: **233** students)

1 Preparatory Programme
(Total: **114** students)

Total

347 students

(Degree and Preparatory Programme)



14. STUDENT ENROLMENT

B) STUDENT ENROLMENT

Local Students

ENROLMENT OF DIPLOMA STUDENTS ACCORDING TO SCHOOL (ACADEMIC SESSION 2012/2013)

- Computer & Communication Engineering
- Electrical System Engineering
- Mechatronic Engineering
- Microelectronic Engineering
- Manufacturing Engineering
- Materials Engineering

TOTAL 1003

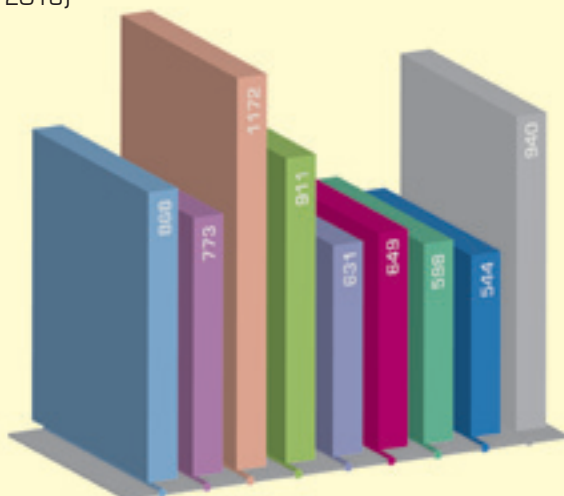


● Figure 14.1: Enrolment of Diploma Students According to School

ENROLMENT OF BACHELOR'S DEGREE STUDENTS ACCORDING TO SCHOOL (ACADEMIC SESSION 2012/2013)

- Microelectronic Engineering
- Computer and Communication Engineering
- Mechatronics Engineering
- Electrical System Engineering
- Manufacturing Engineering
- Materials Engineering
- Bioprocess Engineering
- Environmental Engineering
- Business Innovation and Technopreneurship

TOTAL 7086



● Figure 14.2: Enrolment of Bachelor's Degree Students According to School

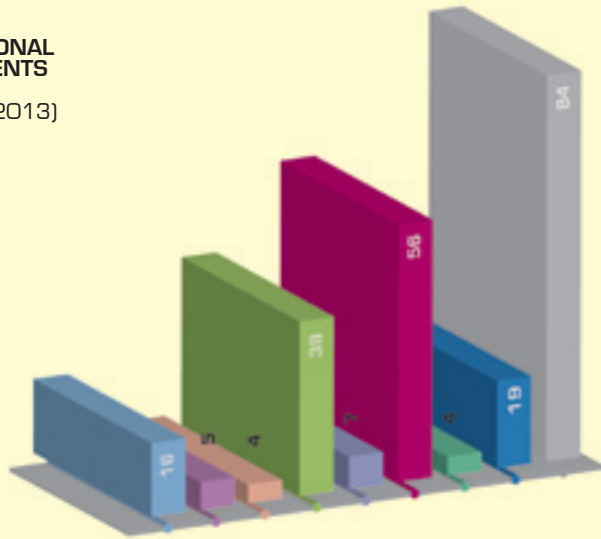


14. STUDENT ENROLMENT

ENROLMENT OF INTERNATIONAL BACHELORS DEGREE STUDENTS ACCORDING TO SCHOOL (ACADEMIC SESSION 2012/2013)

- Environmental Engineering
- Materials Engineering
- Bioprocess Engineering
- Computer and Communication Engineering
- Microelectronic Engineering
- Mechatronic Engineering
- Manufacturing Engineering
- Electrical Systems Engineering
- Business Innovation and Techopreneurship

TOTAL 233

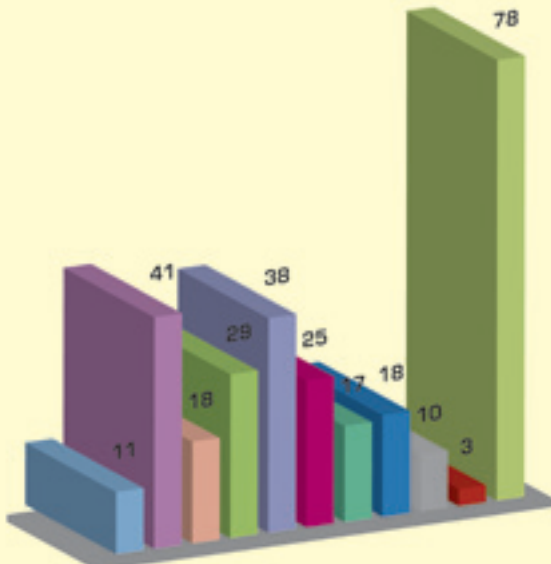


● Figure 14.3: Enrolment of International Bachelor's Degree Students According to Schools

ENROLMENT OF MASTERS DEGREE STUDENTS ACCORDING TO SCHOOL

- Environmental Engineering
- Materials Engineering
- Bioprocess Engineering
- Computer and Communication Engineering
- Mechatronic Engineering
- Microelectronic Engineering
- Manufacturing Engineering
- Electrical Engineering
- INEE
- IMK
- PPIPT

TOTAL 288

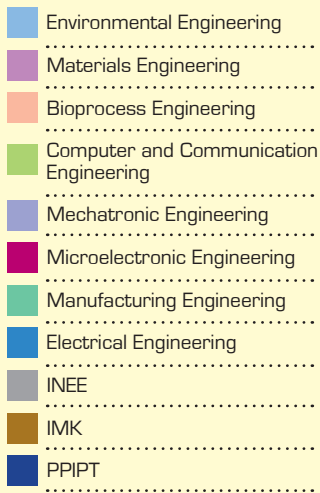


● Figure 14.4: Enrolment of Master's Degree Students According to School

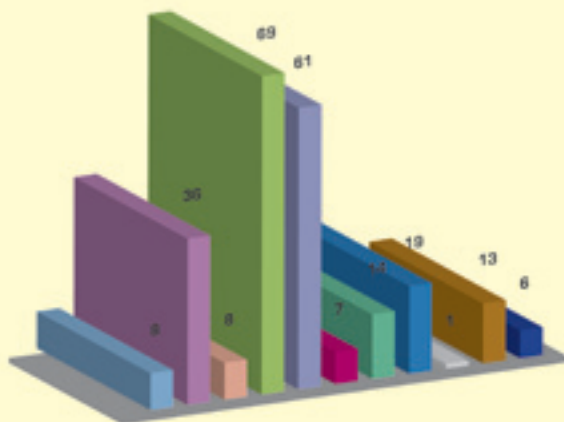


14. STUDENT ENROLMENT

ENROLMENT OF DOCTOR OF PHILOSOPHY (Ph.D) ACCORDING TO SCHOOL



TOTAL 242



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



DR MUHAMMAD MAHYIDDIN RAMLI

Master in Science Engineering (Msc Eng.) at University College Cork, Republic of Ireland and Tyndall Institute, Republic of Ireland. PhD at University of Surrey, United Kingdom.

UniMAP EDUCATION IMPACT

"It gave me the hands-on concept of learning so effectively that I can apply both theory and methodology precisely in my work"





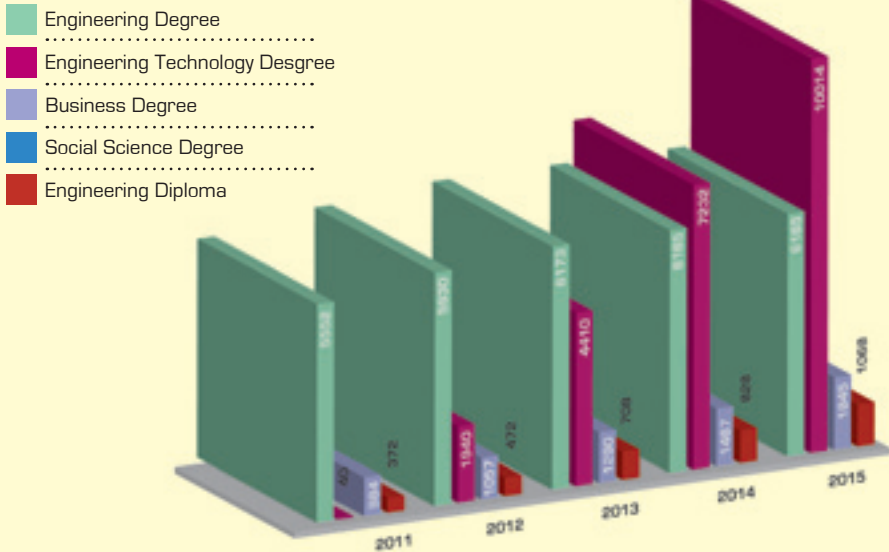
15

**STUDENT
ENROLMENT
PROJECTION**



15. STUDENT ENROLMENT PROJECTION

STUDENT ENROLMENT PROJECTION FOR THE DEGREE AND DIPLOMA PROGRAMMES

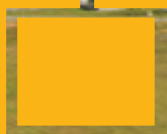


● Figure 15.1: Estimated Projection of Student Enrolment for Bachelor's Degree and Diploma Programmes for the year 2011-2015





16



**UniMAP
CAMPUS**



16. UniMAP CAMPUS

Table 16.1 : UniMAP Distributed Campus Location by Department

Location	Department
KWSP Building, Kangar	Chancellory Department: Vice Chancellor Office , Deputy Vice Chancellor (Academic & International) Office, Deputy Vice Chancellor (Research & Innovation) Office, Registrar Department, Media Unit, Internal Audit Unit, Legal Unit, Library and Seminar Room.
TNB Building, Kangar	Bursary Department
Jalan Bukit Lagi, Kangar	Development Department, Store (Registrar Department)
Taman Kechor Indah Fasa II, Kangar	Centre for International Affairs, Teaching and Learning Unit , Sustainable Development Unit, Senate Meeting Room and Seminar Room
Pengkalan Indah Building, Kangar	Centre for Research Management and Development, Cultural and Recreation Unit and Research Cluster
KIK Building, Kangar	Security Department
Jln. Penjara, Kangar	Kapitol Hall
Jln. Raja Syed Alwi, Kangar	Properties Management Unit (Development Department)
Taman Aman & Wang Ulu, Bintong	International Residential College, Tan Sri Aishah Ghani Residential College (KKG) & Tun Fatimah Residential College (KKH)
Education Centre Complex Jejawi I	Centre for Communication Technology and Human Development
Education Centre Complex Jejawi II	School of Material Engineering, Halls and Lecture Rooms and labs.
Education Centre Complex Jejawi III	School of Bioprocess Engineering, School of Environmental Engineering, Labs, Halls and Lecture Rooms
Kubang Gajah	Centre for Information and Communication Technology, PALAPES, University House, UniMAP Gallery, Corporate Communication Unit, Labs, Halls and Lecture Rooms
Taman Semarak, Kuala Perlis	Diploma Programme Unit, Tun Dr. Ismail Residential College (KKE), Labs, Halls and Lecture Rooms
Taman Bukit Kubu Jaya, Jalan Sarawak, Kuala Perlis	Counselling Centre, Student Affairs and Alumni Department, Alumni, Labs, Halls and Lecture Rooms
Automart, Kuala Perlis	Semiconductor Clean Room, Halls and Lecture Rooms



16. UniMAP CAMPUS

Location	Department
Taman Seberang Jaya, Kg. Wai, Kuala Perlis	Tun Hussein Onn Residential College (KKC), Tun Dr. Mahathir Residential College (KKD), Engineering Laboratory Complex , Multipurpose Hall and Centre for Health
Taman Seberang Ramai, Kg. Wai, Kuala Perlis	Tun Ghafar Baba Residential College (KKF), School of Computer and Communication Engineering, Residential Colleges Head Office, Labs, Halls and Lecture Rooms
Taman Kuala Perlis, Kuala Perlis	Lecturers Rooms
Taman Mewah, Kangar	Store (Development Department) and Pewaris Generasi Nursery UniMAP
Sungai Chuchuh Campus	Agrotechnology Development Office, Labs and Lecture Halls, 14 acres of land for Agrotechnology Station
Floor 26, Menara Dato` Onn (PWTC), Jalan Tun Ismail, 50480 Kuala Lumpur	Anjung UniMAP Kuala Lumpur
Taman Pertiwi Indah, Seriab, Kangar	Multimedia Unit, Centre for Graduate Studies, Occupational Safety and Health Unit, Strategic Studies Unit, Centre for Corporate Development and Quality Management, Institute of Nanoelectronic Engineering, Publication Unit, Research Cluster, Accreditation and Quality Unit (UNIKA) and Seminar Rooms
Pauh Putra Campus, Ulu Pauh	School of Mechatronic Engineering and School of Manufacturing Engineering, School of Microelectronic Engineering, Library, Sports Complex and Lecture Halls Complex, Institute of Mathematic Engineering, Engineering Centre, Teaching Factory Labs, Centre for Industrial Collaboration (CIC), School of Electrical System Engineering and School of Computer and Communication Engineering.
Suite 1.10, 1st Floor KHTP Business Centre Kulim Hi-Tech Park	Anjung UniMAP Kulim
Education Centre Complex Jejawi IV	Centre for Entrepreneurship Development, Commercialisation and Intellectual Properties Management, Centre for Co-curriculum, Lecture Room and Labs
Kuarters Institusi Pendidikan Simpang Empat	Tun Abdullah Ahmad Badawi Residential College (KKI)
Taman Pengkalan Asam, Kangar	Department of International Languages (Centre of Communication Technology & Human Development), Language Lab and Lecture Rooms
Taman Haz Melati, Beseri	School of Bioprocess Engineering



16. UniMAP CAMPUS

Location	Department
No. 30, 32 & 34, Jalan Besar, Kuala Perlis	Islamic Centre
Chalet Mukim Kurong Tengar	Guest House
Pusat Perniagaan Pengkalan Jaya, Kangar	School of Business Innovation and Technopreneurship (PPIPT)
Taman Ira Jaya, Kangar	Tun Abdul Razak Residential College (KKB)
Taman Seri Bahagia, Kangar	Tun Abdul Razak Residential College (KKB)
Workers` Hostels Pauh	Tunku Abdul Rahman Residential College (KKA)

Updated : 5 December 2012

Source : Development Department



SITI SALWA MAT ISA
(GRADUATED 2006)

ACHIEVEMENT

One of many students in Asia offered the Republic of Ireland Scholarship to pursue their education at PhD level.



17

**2006-2012
GRADUATE (ALUMNI)
BY PROGRAMMES**



17. 2006-2012 GRADUATE (ALUMNI) BY PROGRAMMES

Table 17.1: Graduate Marketability By Programmes Within 2006- 2012

Programmes	2006	2007	2008	2009	2010	2011	2012	Total
Mechatronic Engineering	-	51	59	79	72	73	90	424
Mechanical Engineering	-	-	-	63	69	71	73	276
Biomedical Electronic Engineering	-	-	-	-	58	65	78	201
Manufacturing Engineering	-	63	69	74	71	70	64	411
Product Design Engineering	-	-	-	47	64	38	33	182
Bioprocess Engineering	-	-	-	-	31	49	56	136
Biosystem Engineering	-	-	-	-	-	-	34	34
Environment Engineering	-	-	-	-	46	56	69	171
Building Engineering	-	-	-	-	-	-	62	62
Microelectronic Engineering	59	53	71	67	65	62	69	446
Electronic Engineering	-	38	81	70	68	71	84	412
Photonic Engineering	-	-	-	-	-	-	34	34
Computer Engineering	48	42	57	61	53	64	76	401
Communication Engineering	-	65	61	65	66	53	62	372
Electrical System Engineering	-	65	58	64	74	80	84	425
Electronic Industrial Engineering	-	60	67	67	69	66	60	389
Material Engineering	-	64	61	55	62	71	73	386
Matellurgy Engineering	-	53	61	39	42	33	53	281
Polimer Engineering	-	-	-	-	-	31	67	98
International Business	-	-	-	-	-	-	148	148
Entrepreneurship Engineering	-	-	-	-	-	-	136	136
TOTAL	107	554	645	751	910	953	1503	



17. 2006-2012 GRADUATE (ALUMNI) BY PROGRAMMES

Status	2006	2007	2008	2009	2010	2011	2012	Total
MULTINATIONAL COMPANY	43	130	178	170	297	256	452	1526
LOCAL COMPANY & GLC	26	222	228	130	159	250	254	1269
GOVERNMENT AGENCY	8	55	65	24	27	25	10	214
FURTHER STUDY	21	31	42	88	90	92	169	533
TRAINING/SELF-EMPLOYED/OTHERS	9	48	37	99	115	88	158	554
PERCENTAGE OF GRADUATE EMPLOYABILITY (6 MONTHS MEASUREMENT)	100%	88%	85%	68%	76%	75%	70%	



DR. MOHD FAIZAL JAMLOS

One of the first students to graduate from UniMAP

EDUCATION

2008-Master graduate from University of Adelaide, Australia.

ACHIEVEMENT

Completed PhD in 2 years time (2009-2010). Thanks to UniMAP and University of Adelaide, Australia

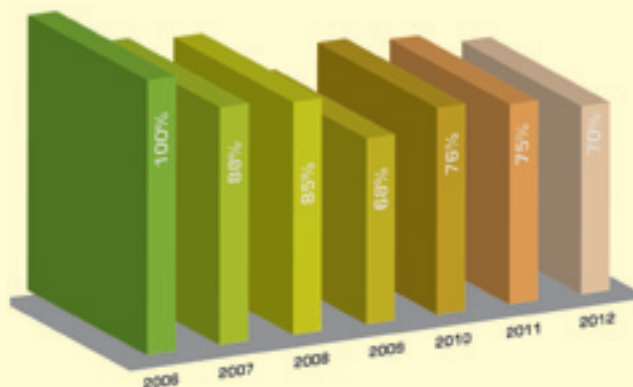
THE IMPACT OF STUDYING IN UNIMAP ON ME

"The amazing thing about UniMAP is that it creates an environment and educates the students to work under pressure and a heavy workload. Therefore, we had no choice but to organize our time and our mental capacity systematically"



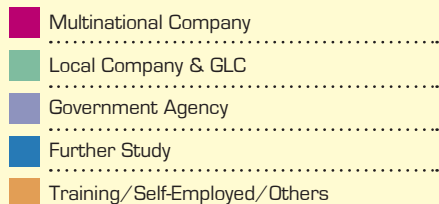
17. 2006-2012 GRADUATE (ALUMNI) BY PROGRAMMES

PERCENTAGE
OF GRADUATE
MARKETIBILITY IN SIX
MONTH PERIOD



● Figure 17.1: Percentage of Graduate Marketability in Six Month Period after Graduation (2006-2012)

GRADUATE EMPLOYMENT STATUS IN SIX
MONTH PERIOD



● Figure 17.2: Graduate Employment Status in Six Month Period after Graduation (2006-2012)

Note:

Data for Percentage of Graduate Employability was measured within 6 month after graduation. For 2012 graduates, Graduate Employability Data was measured from July 2012 until November 2012.

Centre of Industrial Collaboration/CAP Graduate Employability - Nov 2012

Updated : December 2012
Source : Centre of Industrial
Collaboration



18

**RECIPIENTS OF
THE HONORARY
DOCTORATE**



16. RECIPIENTS OF THE HONORARY DOCTORATE

Table 18.1: Recipients of Honorary Doctorate

Ceremony	Names of Recipients	Date of Conferment
Commemorate Convocation	YAB Dato' Seri Dr. Shahidan Kassim Honorary Doctorate of Management (Hon.D.Mgt.)	17 July 2004
First Convocation	YBhg. Tan Sri Dato' Musa Mohamad Honorary Doctorate of Sciences (Hon.D.Sc.)	22 July 2006
Second Convocation	YBhg. Dato' Ramli Abbas Honorary Doctorate of Management (Hon.D.Mgt.)	18 August 2007
Third Convocation	YBhg. Prof. Emeritus Tan Sri Dato' Dr. Syed Jalaludin Syed Salim Honorary Doctorate of Engineering (Hon.D.Eng.)	16 August 2008
Fourth Convocation	YBhg. Dato' Prof. Dr. Hassan Said Honorary Doctorate of Sciences (Hon.D.Sc.)	15 August 2009
	Profesor Karl Kohlhof Honorary Doctorate of Engineering (Hon.D.Eng)	15 August 2009
Fifth Convocation	-	-
Special Convocation	YBhg. Tun Dr. Mahathir Mohamad Distinguished Honorary Doctorate of Engineering (Hon.D.Eng)	17 March 2011
	YBhg. Tun Dr. Siti Hasmah Mohd Ali Distinguished Honorary Doctorate of Sciences (Hon.D.Sc.)	
Sixth Convocation	YBhg. Tan Sri Dr. Zulkefli A. Hassan Honorary Doctorate of Management (Hon.D.Mgt.)	17 September 2011
	Dr. R. Vasant Kumar Honorary Doctorate of Engineering (Hon.D.Eng)	
	Mohd Parid Sulaiman Honorary Master of Engineering (Hon.M.Eng)	



16. RECIPIENTS OF THE HONORARY DOCTORATE

Ceremony	Names of Recipients	Date of Conferment
Seventh Convocation	YBhg. Academician Tan Sri Profesor Emeritus Datuk Dr Augustine Ong Soon Hock Honorary Doctorate of Sciences (Hon.D.Sc.)	29 September 2012
	YBhg. Tun Ahmad Sarji Abdul Hamid Honorary Doctorate of Management (Hon.D.Mgt.)	
	Professor Ciarán Ó Catháin Honorary Doctorate of Management (Hon.D.Mgt.)	
	YBhg. Tuan Haji Annuar Mohd Saffar Honorary Master of Engineering (Hon.M.Eng)	

Updated : December 2012

Source : Senate Unit



DR. ROZANA AINA MAULAT OSMAN

HIGHEST ACHIEVEMENT

PhD at University of Sheffield, United Kingdom.

THE IMPACT OF STUDYING IN UniMAP ON ME

"It's sophisticated and comprehensive facility helped me a lot in pursuing my degree abroad"

UNIVERS

RSITI TUN HUSSEIN ONN
MALAYSIA

HUMAN BRAIN SIGNALS BASED NEURO MARKETING SYSTEM

An Intelligent Communication System for Neurodegenerative Disorder Patients





19

RESEARCH AND
INNOVATION

19. RESEARCH AND INNOVATION

Table 19.1: Source and Type of Research Grants for the Period of 2003 – 2012

	Type of Grant	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
Government	FRGS	421,530	92,038	392,140	1,712,000	4,148,226	1,170,100	722,546	3,861,950	1,903,213	2,975,000 (39)	17,698,723 (852)
	Science Fund									952,200	1,155,935 (17)	1,456,500 (1)
	MCA							1,254,820	202,000			1,456,820 (10)
	MCA-Techno Fund								432,500			1,255,862 (3)
	Geran Khas KPT						350,000	170,000	27,500	160,000		707,300 (4)
	IRPA		2,805,830	253,000								30,588,880 (9)
	PRGS									450,000		450,000 (1)
	ERGS									822,700	6	696,000 (6)
	LRGS				1,405,500	5,248,912	1,655,390	640,106	170,510	610,000	6	957,910 (6)
	Nusfund									418,160	8	10,728,328 (56)
	Research Fund									921,000		1,606,942 (11)
	MYUN COE									150,000		921,000 (2)
	RACE									1,164,500 (13)		1,164,500 (13)
Unimap	SwiftNet COE									271,350 (6)		271,350 (6)
	Suruhanjaya Komunikasi & Multimedia									100,700 (1)		100,700 (1)
	Unisel (MOSTI)						90,000			421,500		421,500 (1)
	Short term Grant						150,000			957,799		957,799 (1)
	Kumpulan Wang Penyelidikan Khas	40,000	208,950	243,000	605,020	30,000	574,462	736,800	1,086,000	1,138,050		150,000 (1)
	Journal of Management and Social Science Research							120,000	189,360	255,236		4,603,302 (435)
	Insentif SLAB/ SLAI								135,000	165,000		584,568 (24)
	SEED Money									20,000		300,000 (93)
	Yayasan FELDA				208,000						59	20,000 (2)
	Astronautic				61,500							885,000 (59)
	PNB											208,000 (1)
	Bionexus						59,980					61,500 (1)
	Siemens						25,000					59,980 (2)
Industrial and Agency	Pusat Zakat Pulau Pinang							399,000				25,000 (1)
	National Instrument									50,000	1	398,000 (1)
	Silang NGIA									2,270,000		2,270,000 (1)
International	UNESCO								25,000			50,000 (1)
	King Abdul Aziz Ctry for Science and Technology Fund										1	50,000 (1)
	Toray Science Foundation								1,500,000			1,500,000 (1)
Total / Year		161,930	3,106,878	888,140	3,994,020	9,428,138	4,014,952	4,043,272	7,629,600	12,445,222	157	55,239,728 (1,067)



19. RESEARCH AND INNOVATION

Table 19.2: UniMAP-Research Centre of Excellence

No.	Name	Head/Director	Advisor	Year Establishment
1.	Sensor Technology and Applications` Cluster	Prof. Dr. Mohd Noor Ahmad	Prof. Dr. Legin Andrey Laboratory of Chemical Sensors Research Institute of Chemistry St. Petersburg University Universitetskaya Russia.	2005
2.	Autonomous Systems and Machine Vision Cluster	Dr. Hazry Desa	Prof. Dr. Keigo Watanabe Department of Advanced Systems Control Engineering, Graduate School of Science and Engineering, Saga University, Japan	2005
3.	Electrical Energy and Industrial Electronic System Cluster	Prof. Dr. Ismail Daut	Prof. Dr. Joachim Holt Chair For Electrical Machines And Drives Wuppertal University Germany.	2005
4.	Intelligent Signal Processing Cluster	Prof. Dr. Sazali Yaacob	Prof. Dr. Stephen John Elliott Institute of Sound and Vibration Research (ISVR), University of Southampton	2005
5.	Embedding Computing Cluster	Prof. Dr. R. Badlishah Ahmad	Prof. Dr. M. Balakrishnan Department of Computer Science & Engineering, Indian Institute of Technology, New Delhi, India	2005
6.	Sustainable Engineering Cluster	Prof. Dr. Shamsul Baharin Jamaludin	Prof. Dr. Veena Sahajwalla School of Materials Science and Engineering, University of New South Wales, Australia	2005
7.	Human-Interface and Business Incubation Cluster	Prof. Dr. Salleh Abd Rashid	-	2010
8.	Institute of Nano Electronic Engineering	Prof. Dr. Uda Hashim	Prof. Dr. Vijay K. Arora School of Electrical Engineering and Engineering Management Wilkes University. US.	2008



19. RESEARCH AND INNOVATION

No.	Name	Head/Director	Advisor	Year Establishment
9.	Centre of Excellence Geopolymer & Green Technology (CEGoeGTech)	Brig. Jen. Dato' Prof Dr. Kamarudin Hussin	-	2011
10.	Centre of Excellence Advanced Sensor Technology (CEASTech)	Prof. Dr. Ali Yeon Md. Shakaff	-	2011
11.	Centre of Excellence Renewable Energy (CERE)	Prof. Dr. Ismail Daut	-	2011
12.	Centre of Excellence Advanced Communication Engineering Centre	Prof. Dr. Syed Alwee Al-Junid	-	2011

Table 19.3: Number of Research Assistants (RA), Research Officers (RO), Graduate Assistants (GA) and Graduate Research Assistants (GRA) 2005 - 2012

No.	Designation	2005	2006	2007	2008	2009	2010	2011	2012
1.	Research Assistant (RA)	4	37	51	69	92	21	61	55
2.	Research Officer (RO)	3	2	3	8	12	5	9	39
3.	Graduate Assistant (GA)	3	2	2	4	18	21	28	40
4.	Graduate Research Assistant (GRA)	-	3	17	3	30	14	10	11
Total		10	44	73	84	152	61	108	145

Table 19.4: Participations Status of National and International Design and Innovation Competition for 2012

No.	Competition/Exhibition	No. of Participation	Medal			Winning Percentage
			Gold	Silver	Bronze	
1.	Malaysian Technology Expo (MTE) 2010, Kuala Lumpur	35	5	14	16	100%
2.	Geneva 40 th International Exhibition of Inventions of New Techniques and Products	4	1	3	-	100%
3.	23 rd International Invention, innovation, Industrial Design & Technology Exhibition 2012 (ITEX)	60	19	30	9	97%



19. RESEARCH AND INNOVATION

Bil.	Competition/Exhibition	No. of Participation	Medal			Winning Percentage
			Gold	Silver	Bronze	
4.	European Exhibition of Creativity and Innovation (EUROINVENT)	4	4	-	-	100%
5.	British Invention Show	1	1	-	-	100%
6.	International Exhibition Of Ideas, Invention & Innovation Trade Fair (EINA)	3	2	1	-	100%
7.	Bio Malaysia	25	3	9	-	100%
8.	37th International Invention Show (Inova 2012)	3	3	-	-	100%
9.	37th International Inventions (Kunshan), New Techniques and Products	4	2	2	-	100%
10.	Seoul International Invention Fair	4	3	1	-	100%

Table 19.5: Number of Published Articles by UniMAP Researchers in Journals Listed in SCOPUS Database (2002 - 2012)

	Year										Total
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
No. of Articles	6	6	12	40	88	167	161	254	445	457	1634



19. RESEARCH AND INNOVATION

Table 19.6: List of Products That Are Patented (2009 - 2012)

No.	Researcher	Title of Invention	Status/Patent Number
1.	Y.Bhg. Dato` Prof. Dr. Kamaruddin Hussin	Artificial Marble	Filed (PI 20093237)
2.	Prof. Madya Mohd Ichwan Nasution	A Cast Production And Its Method Of Production	Filed (PI 20090633)
3.	Ragunathan A/L Santhiagoo	Recyclable Construction Materials	Filed (PI 20090778)
4.	Suhardy Daud	A Board And Its Production Method	Filed (PI 20091352)
5.	Soh Ping Jack	The Design Of Dielectric Loaded Helical Antenna For Local Area Network(WLAN) Application	Filed (PI 20091543)
6.	Prof. Dr. Uda Hashim	A Method of Producing Nanowires & Product Derives Thereof	Filed (PI 20091646)
7.	Azremi Abdullah Al-Hadi	A Compact Planar And Highly Efficient Antenna For WLAN Application	Filed (PI 20091675)
8.	Dr. Mohd. Fareq Abd. Malek	An Array Antenna For Microwave Access Application	Filed (PI 2010001935)
9.	Prof. Madya. Dr. Hazry Desa	A Flying Apparatus For Aerial Agricultural Application	Filed (PI 2010002587)
10.	Dr. Mohd Fareq Abdul Malek	Circular Microstrip Antenna For Wide Bandwidth Applications	Filed (PI 2010003005)
11.	Mohd Mustafa Al-Bakri Abdullah	A Method Of Producing Concrete	Filed (PI 2010006250)
12.	Mohd Arif Anuar Mohd Salleh	Solder Composition And Method Of Production Thereof	Filed (PI 2011000849)
13.	Mustafa Al Bakri Abdullah	A Method Of Producing A Bacterial Inoculum	Filed (PI 2011000970)
14.	Shaiful Rizam Shamsudin	An Alloy And A Sacrificial Anode Produced Thereform	Filed (PI 2011001297)
15.	Hasliza A. Rahim Samsudin	A Vehicle Monitoring System	Filed (PI 2011001061)
16.	Hasliza A. Rahim Samsudin	A Visual Surveillance System	Filed (PI 2011001692)



19. RESEARCH AND INNOVATION

No.	Researcher	Title of Invention	Status/Patent Number
17.	Soh Ping Jack	Omni-Directional Antenna	Filed (PI 2011002482)
18.	Dr. Zarina Zakaria	Pomelo Tissue Culture For Antioxidant Enrichment Health Product	Filed (PI 2011002835)
19.	Prof. Dr. Uda Hashim	A Method For Tunnel Barriers And Shrinking A Quantum Dot	Filed (PI 2011003041)
20.	Prof. Dr. Uda Hashim	A Method To Manufacture A Nanowire Biosensor	Filed (PI 2011003054)
21.	Prof. Dr. Uda Hashim	A Method To Fabricate A Nanogap In Between Electronics	Filed (PI 2011003126)
22.	Prof. Dr. Uda Hashim	A Method Detecting Presence Of Suid DNA In A Biological Sample	Filed (PI 2011700163)
23.	Shayfull Zamree Abd Rahim	A De-Seeding Apparatus	Filed (PI 2011700184)
24.	Rosnazri Ali	A Power Switching Function Generator	Filed (PI 2012700129)
25.	Mustafa Al-Bakri Abdullah	A Method Of Coating A Geopolymer Onto An Article	Filed (PI 2012700134)
26.	Dr. Shahrman Abu Bakar	A Container With A Locking Mechanism	Filed (PI 2012700136)
27.	Prof. Dr. Ismail Daut	Transformerless Photovoltaic Inverter System	Filed (PI 2012700152)
28.	Prof. Madya. Dr. Hazry Desa	An Underwater Vehicle	Filed (PI 2012700154)
29.	Mohd Arif Anuar Mohd Salleh	Natural And Synthetic Organic Surface Finish For Electronic Metallization Application	Filed (PI 2012001976)
30.	Dr. Muhammad Syarhabil Ahmad	Solventless Essential Oil Extractor	Filed (PI 2012001977)
31.	Dr. Nik Noriman Zulkepli	Novel Multipurpose Green Composites	Filed (PI 2012002111)
32.	Prof. Madya. Dr. Yarub Al-Douri	Semiconductor Materials Based Nano Devices Of Quantum Dots For High Efficiency Solar Cell Of Renewable Energy And Method Of Manufacture Thereof	Filed (PI 2012002112)



19. RESEARCH AND INNOVATION

No.	Researcher	Title of Invention	Status/Patent Number
33.	Dr. Haftirman	A Micro Fatigue Testing Machine	Filed (PI 2012003208)
34.	Wong Yee Shian	Lateritic Soil Biocoagulant	Filed (PI 2012003145)
35.	Prof. Dr. Uda Hashim	A Kit For Pregnancy Detection Using A Biosensor	Filed (PI 2012003209)
36.	Prof. Dr. Ismail Daut	A Photovoltaic Uninterruptible Power Supply	Filed (PI 2012003373)
37.	Prof. Dr. Ismail Daut	Three-Level Single Phase Transformerless Photovoltaic Inverter For Running High AC Loads	Filed (PI 2012003372)
38.	Dr. Ong Soon An	Bio Composite Of Titanium Dioxide/Fish Scale	Filed (PI 2012003508)
39.	Prof. Dr. Ismail Daut	A Smart Smoke Ventilation And Power Generation System	Filed (PI 2012003509)
40.	Dr. Mohd. Fareq Abdul Malek	A Composition Of A Microwave-Absorbing Material	Filed (PI 2012700489)
41.	Prof. Madya Che Mohd Ruzaidi Ghazali	A Novel Water Filler Friction Composite For Use In Brake Pads	Filed (PI 2012004524)
42.	Mohd. Mustafa Albakri Abdullah	A Novel Smart Larvicide	Filed (PI 2012004523)

Table 19.7: List of Copyright Product Registered (2009- 2012)

No.	Researcher	Title of Invention
1.	Mohd Hafiz Fazalul Rahiman	Computed Tomography Simulation Software
2.	Nasrudin Abd Shukor	Integrated Campus Management System (ICMS).
3.	Prof. Dr. Kenneth Sundaraj	Eye – Sim
4.	Prof. Dr. Kenneth Sundaraj	MyCoach
5.	Prof. Dr. Syed Alwee Aljunid Syed Junid	New Code For Spectral Amplitude Coding Optical Code Division Multiple Access Namely Dynamic Cyclic Shift Code
6.	Ir. Anuar Mat Safar	A Novel Zero Cross Correlation Code For Optical Code Division Multiple Access System



19. RESEARCH AND INNOVATION

No.	Researcher	Title of Invention
7.	Dr. Hilal Adnan Fadhill	FIWI Based On Optical CDMA Technology For Future Broadband Access Networks
8.	Prof. Dr. Syed Alwee Aljunid Syed Junid	Modified-AND Detection Technique Based On Spectrum Division For Optical Code Division Multiple Access Systems
9.	Nasrudin Abd Shukor	Integrated Campus Management System (ICMS).

Table 19.8 : List of Commercialized Product

No.	Products	Researcher	Company	Status
1.	Buck and Boost Converter Teaching Module	Zainuddin Md Isa Baharudin Ismail Mohamad Faridun Naim Tajuddin Mohd Fayzul Mohammed	Maxlane Sdn. Bhd.	MoA was signed between UniMAP-Maxlane Sdn. Bhd. on January 2010.
2.	Single Phase Inverter Training Kit	Zainuddin Md Isa Baharudin Ismail Mohamad Faridun Naim Tajuddin Mohd Fayzul Mohammed	Maxlane Sdn. Bhd.	MoA was signed between UniMAP-Maxlane Sdn. Bhd. on January 2010.
3.	Artificial Marble	Prof. Madya Che Mohd Ruzaidi Ghazali Brig. Jen. Dato` Prof. Kamarudin Hussin Prof. Dr. Shamsul Baharin Jamaludin Dr. Khairul Nizar Ismail Mohd Sobri Idris, Mohd Nazry Salleh	Smart Pilot Plant, UniMAP	Product such as souvenirs and gifts have been produced for sale to the UniMAP and the outsider. Operating in 'Smart Pilot Plant', Kubang Gajah, Arau.
4.	Oil Palm FBB Ripeness Sensor	Zulkifli bin Hussin Abdul Hallis Abdul Aziz Prof. Madya. Dr. R. Badlishah Ahmad	Sime Darby Research Sdn. Bhd.	MoA was signed between UniMAP- Sime Darby Research Sdn. Bhd. on October 2010.
5.	Rice Husk Micro Absorber	Dr. Mohd. Fareq Abd Malek	Visionile Sdn. Bhd.	MoA was signed between UniMAP- Visionile Sdn. Bhd. pada November 2010.
6.	Solar Uninterruptable Power Supply (Solar UPS)	Prof. Dr. Ismail Daut Muhammad Irwanto Misrun	AKTY Technologies Sdn. Bhd	MoA was signed between UniMAP- AKTY Technologies Sdn. Bhd. pada January 2012.



19. RESEARCH AND INNOVATION

Table 19.9: Financial Statement for Consultation Activities 2008 - 2012

No.	Department	2008	2009	2010	2011	2012	Total
1.	Centre of Industrial Collaboration	138,306.00	138,306.00	138,306.00		153,672.00	568,590.00
2.	School of Microelectronic Engineering	16,920.00		226,498.00	125,537.00	92,970.00	461,925.00
3.	Centre of Information and Communication Technology		200,000.00			50,000.00	250,000.00
4.	School of Material Engineering		148,492.00	11,800.00	16,680.00	176,972.00	
5.	UniMAP Library			120,000.00		52,000.00	172,000.00
6.	Teaching Factory	6,100.00	56,176.00	3,780.98			66,056.00
7.	Engineering Centre	3,837.70	14,400.00	32,821.00			51,058.00
8.	School of Environmental Engineering			50,580.00			50,580.00
9.	School of Bioprocess Engineering			47,214.00			47,214.00
10.	School of Computer and Communication		14,022.00	28,000.00	21,200.00	44,955.00	108,177.00
11.	Anjung UniMAP			29,909.00	4,500.00	19,745.00	54,154.00
12.	Agrotechnology Unit			22,382.50	6,352.50		28,735.00
13.	Centre for Comm. Skills & Entrepreneurship	10,500.00	9,640.00				20,140.00
14.	Institute of Nano Electronic Engineering		19,920.00				19,920.00
15.	Institute of Engineering Mathematics			17,858.50		16,680.00	34,538.00
16.	School of Manufacturing			6,000.00			6,000.00
17.	School of Mechatronics		2,000.00			24,000.00	26,000.00
18.	School of Business Innovation and Technopreneurship					1,247,370.00	1,247,370.00
19.	Others	350,000.00	2,700.00	7,836.00			360,536.00
TOTAL		525,663.70	457,164.00	879,677.98	169,389.00	1,718,072.00	3,749,967.00



19. RESEARCH AND INNOVATION

Table 19.10: Number of Scholarly Publishing by UniMAP Press 2003 - December 2012

Type of Publications	Year				
	2003	2004	2005	2006	2007
Book	-	-	2	7	6
Journal	-	1	1	1	1
Teaching Module	-	-	3	2	1
Laboratory Module	-	-	3	35	28
Others	6	-	33	18	24
Total	6	1	42	63	60

Type of Publications	Year					Total
	2008	2009	2010	2011	2012	
Book	4	12	10	20	21	82
Journal	2	2	2	5	8	23
Teaching Module	3	4	3	1	3	20
Laboratory Module	28	16	18	8	-	136
Others	5	6	7	10	36	145
Total	42	40	40	44	68	406

RECOGNITION IN OCCUPATIONAL SAFETY AND HEALTH

1. UniMAP is the first northern IPT in Malaysia to receive recognition with MS 1722:2005 and OHSAS 18001:2008 (2009) Certificate

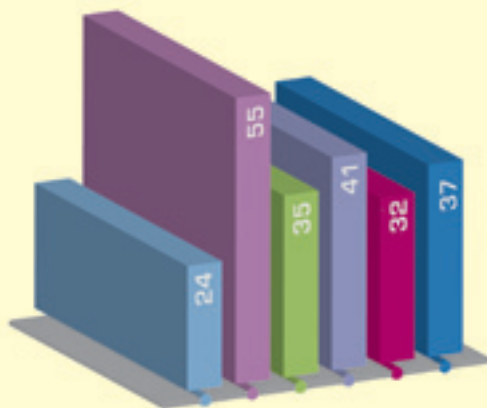
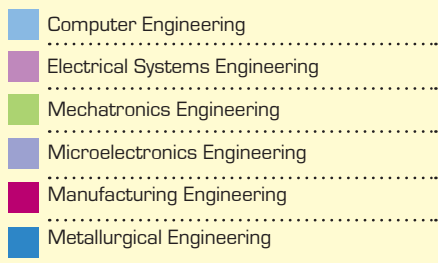




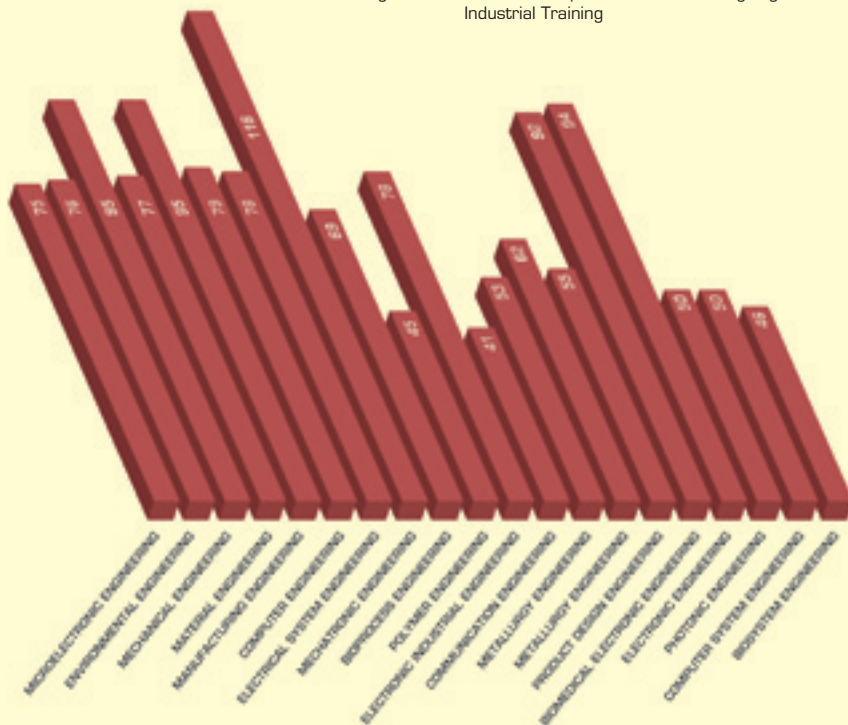
20 INDUSTRIAL NETWORK



20. INDUSTRIAL NETWORK



● Figure 20.1: Number of Diploma Student Undergoing Industrial Training



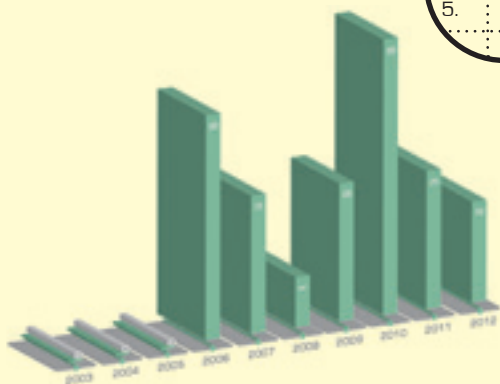
● Figure 20.2: Number of Bachelor's Degree Students Undergoing Industrial Training



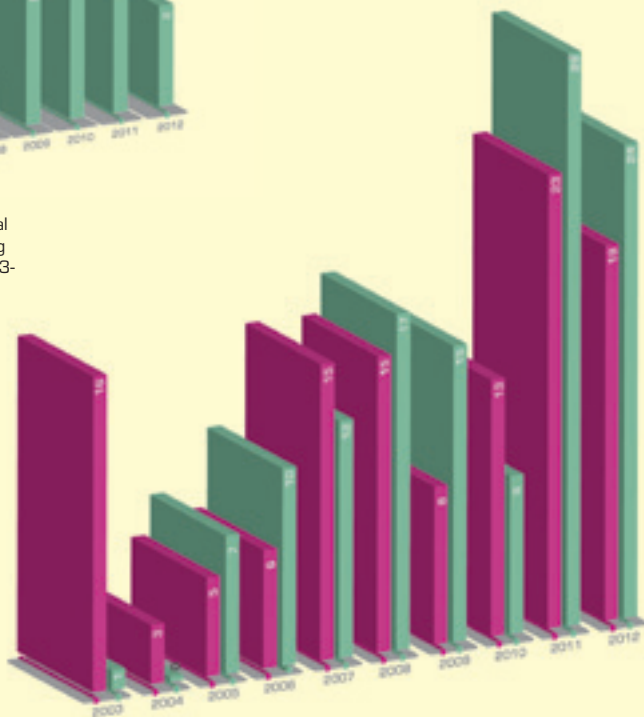
20. INDUSTRIAL NETWORK

Table 20.1: List of "Job-Camp" Industry

No.	Company
1.	Philips Lumileds Lighting Company
2.	B. Braun Medical Industries Sdn Bhd
3.	Worldbay Solution Sdn. Bhd
4.	Kobe Precision Technology Sdn Bhd
5.	Sri Jentayu Sdn Bhd



● Figure 20.3: MoA between UniMAP and Local and International Industries/Higher Learning Institute for the Year 2003-2012



● Figure 20.4: MoU between UniMAP and Local and International Industries/Higher Learning Institute for the Year 2003-2012



Contact Details:

MODIFIED DOUBLE WEIGHT (MDW) CODE FOR WCDMA-FTTH NETWORK USING FPGA



PROPOSED SYSTEM

- 1. The proposed system is designed to improve the performance of the WCDMA-FTTH network by using the Modified Double Weight (MDW) code.
- 2. The system is implemented using an FPGA (Field Programmable Gate Array) device.
- 3. The system is designed to be scalable and flexible, allowing for future upgrades and modifications.

ADVANTAGES

- Improved performance of the WCDMA-FTTH network.
- Reduced power consumption.
- Increased flexibility and scalability.

NOVELTY

- The use of the Modified Double Weight (MDW) code.
- The implementation of the system using an FPGA.

COMMERCIALISATION

The system is designed to be commercially viable, allowing for widespread adoption.

PUBLICATIONS

The system has been published in the following journals and conferences:



21 INTERNATIONAL NETWORK



21. INTERNATIONAL NETWORK

Table 21.1: Number of MoU According to Nations within the Period of 2005-2012

No.	Country	Total
1.	Thailand	10
2.	Australia	3
3.	Japan	2
4.	Indonesia	28
5.	Spain	2
6.	Athens, Greece	2
7.	German	2
8.	Czech Republic	2
9.	India	2
10.	Slovenia	1
11.	Ireland	2
12.	Norway	1
13.	China	7
14.	Jordan	4
15.	Switzerland	1
16.	Yemen	2
17.	Uzbekistan	5
18.	Kyrgyzstan	1
19.	Mauritius	3
20.	Cambodia	4
21.	Dubai	1
22.	Pakistan	1
23.	Sudan	2
24.	Saudi Arabia	1
25.	Russia	1
26.	France	2
27.	Taiwan	1
28.	Romania	1
29.	Egypt	2
30.	New Zealand	1
31.	South Africa	2
32.	United Kingdom	2
33.	South Korea	2
34.	Sri Lanka	1
35.	Iraq	1
36.	Philippines	1



21. INTERNATIONAL NETWORK

Table 21.2: Details of International MoU According to Nation and Continent in the Period of 2005 - 2012

No.	University / Institute	Country
1.	Institut Pertanian Bogor(IPB)	Indonesia
2.	Trisakti University	Indonesia
3.	Institut Teknologi Bandung (ITB)	Indonesia
4.	Universitas Jenderal Soedirman (UNSOED)	Indonesia
5.	Institut Teknologi Medan (ITM)	Indonesia
6.	Universitas Diponegoro (UNDIP)	Indonesia
7.	Universitas Negeri Semarang (UNNES)	Indonesia
8.	Universitas Gadjah Mada (UGM)	Indonesia
9.	Universitas Sebelas Maret	Indonesia
10.	Universitas Sumatera Utara (USU)	Indonesia
11.	Universitas Padjajaran (UNPAD)	Indonesia
12.	Universitas Muhammadiyah Sumatera Utara	Indonesia
13.	Universitas Pembangunan Pasca Budi	Indonesia
14.	Universitas Dharmawangsa	Indonesia
15.	Universitas Quality	Indonesia
16.	Universitas Sisigamangaria XII Tapanuli	Indonesia
17.	Universitas Setia Budi Mandiri	Indonesia
18.	Universitas Amir Hamzah	Indonesia
19.	Universitas Medan Area	Indonesia
20.	Sekolah Tinggi Ilmu Ekonomi Harapan	Indonesia
21.	Sekolah Tinggi Teknologi Immanuel	Indonesia
22.	Sekolah Tinggi Teknik Harapan	Indonesia
23.	Sekolah Tinggi Manajemen Informatika dan Komputer Ubudiyah	Indonesia
24.	Politeknik Unggul LP3M	Indonesia
25.	Akademi Perawat Imelda	Indonesia
26.	Sekolah Tinggi Ilmu Kesehatan Mutiara Indonesia	Indonesia



21. INTERNATIONAL NETWORK

ASIA

No.	University / Institute	Country
27.	Petra Christian University, Surabaya, Indonesia	Indonesia
28.	Universitas Surabaya	Indonesia
29.	Prince of Songkla (PSU)	Thailand
30.	Thaksin University	Thailand
31.	Hatyai University	Thailand
32.	King Mongkut's University of Technology Thonburi	Thailand
33.	Phuket Rajabhat University	Thailand
34.	Walailak University	Thailand
35.	Maejo University Chiang Mai (MJU)	Thailand
36.	Rajamangala University of Technology Srivijaya (RMUTSV)	Thailand
37.	Norton University	Cambodia
38.	Cambodia Mekong University	Cambodia
39.	Cambodia International University	Cambodia
40.	University of Shanghai for Science & Technology (USST)	China
41.	Xinjiang Polytechnic College	China
42.	Xinjiang Agricultural University	China
43.	Xian Peihua University of China	China
44.	Kunming University of Science & Technology	China
45.	Yunan Agricultural University	China
46.	University of Electronic Sciences & Technology of China	China
47.	University of Yamanashi	Japan
48.	Jamia Hamdard University	India
49.	Interscience Institute Management & Technology Bhubaneswar	India
50.	Greenwich University Karachi	Pakistan



21. INTERNATIONAL NETWORK

■ ASIA

No.	University / Institute	Country
51.	University of Jordan	Jordan
52.	Prince Sumaya University of Technology	Jordan
53.	Jordan University of Science and Technology (JUST)	Jordan
54.	Mu'taah University	Jordan
55.	Higher Council of Community College	Yemen
56.	Aljazeera Community College	Yemen
57.	The University of Sharjah	UAE
58.	King Abdul Aziz City for Science and Technology Saudi Arabia (KACSTS)	Saudi Arabia
59.	Uzbekistan State University of World Language	Uzbekistan
60.	Tashkent State Technical University	Uzbekistan
61.	Samarkand State Architectural & Civil Engineering	Uzbekistan
62.	Tashkent Automobile and Road Construction Institute	Uzbekistan
63.	Tashkent Financial Institute	Uzbekistan
64.	KYRGYZ State Technical University	Kyrgyzstan
65.	Innovation & Creativity Center Far east University, Taiwan	Taiwan
66.	Inha University	South Korea
67.	Dongseo University	South Korea
68.	Wayamba University,	Sri Lanka
69.	Josai University Educational Cooperation	Japan
70.	Nakhom Pathom Rajabhat University	Thailand
71.	King Mongkut University North Bangkok	Thailand
72.	University of Albar	Iraq
73.	Combodian Universities for Specialist	Combodia
74.	Bicol University	Philippines



21. INTERNATIONAL NETWORK

OCEANIA

No.	University / Institute	Country
1.	University of New South Wales (UNSW)	Australia
2.	La Trobe University	Australia
3.	University of Canterbury	New Zealand
4.	University of Queensland	Australia

EUROPE

No.	University / Institute	Country
1.	Universidad Politecnica De Madrid	Spain
2.	Technical University of Catalonia	Spain
3.	Technological Education Institute of Athens	Greece
4.	Technological Education Institute (T.E.I) of Piraeus	Greece
5.	HTW Aalen University	Germany
6.	Cologne University of Applied Sciences (CUAS)	Germany
7.	Czech Technical University in Prague	Czech Republic
8.	University of South Bohemia Ceske Bodejovice, Prague	Czech Republic
9.	Athlone Institute of Technology	Ireland
10.	Institute of Technology Ireland	Ireland
11.	University of Ljubljana	Slovenia
12.	Buskerud University College, HIBU, Norway	Norway
13.	Swiss Asean Technical Institute (SATi)	Switzerland
14.	Moscow Aviation Institute (MAI)	Russia
15.	Geo-polymer Institute, State-Quentin, France	France
16.	Romanian Inventor Forum (RIF)	Romania
17.	Department of Materials Science & Metallurgy, University of Cambridge	United Kingdom
18.	The Oxford Centre Islamic Studies	United Kingdom
19.	Universities of Lille	France



21. INTERNATIONAL NETWORK

■ AFRICA

No.	University / Institute	Country
1.	Universidad Politecnica De Madrid	Spain
2.	Technical University of Catalonia	Spain
3.	Technological Education Institute of Athens	Greece
4.	Technological Education Institute (T.E.I) of Piraeus	Greece
5.	HTW Aalen University	Germany
6.	Cologne University of Applied Sciences (CUAS)	Germany
7.	Czech Technical University in Prague	Czech Republic
8.	University of South Bohemia Ceske Bodejovice, Prague	Czech Republic
9.	Athlone Institute of Technology	Ireland
10.	Institute of Technology Ireland	Ireland
11.	University of Ljubljana	Slovenia
12.	Buskerud University College, HIBU, Norway	Norway
13.	Swiss Asean Technical Institute (SATI)	Switzerland
14.	Moscow Aviation Institute (MAI)	Russia
15.	Geo-polymer Institute, State-Quentin, France	France
16.	Romanian Inventor Forum (RIF)	Romania
17.	Department of Materials Science & Metallurgy, University of Cambridge	United Kingdom
18.	The Oxford Centre Islamic Studies	United Kingdom

Number of MoU : 106

Number of Country : 36



21. INTERNATIONAL NETWORK

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

No.	Country	Study Level				Total by Country
		Ph.D	Master	Degree	IEC*	
1.	Bangladesh	9	4	3	-	16
2.	Burkina Faso	-	-	1	-	1
3.	Chad	-	-	3	3	6
4.	China	-	-	20	4	24
5.	Eritrea	-	-	2	5	7
6.	India	9	2	1	-	12
7.	Indonesia	19	3	31	2	55
8.	Iraq	38	10	8	2	58
9.	Kenya	-	-	1	-	1
10.	Mauritius	-	-	2	-	2
11.	Myanmar	1	-	4	-	5
12.	Palestine	-	-	1	3	4
13.	Somalia	-	1	35	20	56
14.	Sudan	-	1	29	13	43
15.	Thailand	-	1	4	1	6
16.	Uzbekistan	-	2	23	4	29
17.	Yemen	2	2	64	51	119
18.	Algeria	1	-	-	-	1
19.	Nigeria	2	-	-	1	3
20.	Syria	4	1	-	2	7
21.	Jordan	1	-	1	1	3
22.	Pakistan	3	-	-	-	3
23.	Libya	2	7	-	-	9
24.	Egypt	-	-	-	2	2
25.	Ethiopia	1	-	-	-	1
TOTAL		92	34	233	114	473
Overall Total						473

International Academic Staff at UniMAP
 Number of Staff : 62
 Number of Country : 25

* International English Course (IEC)



21. INTERNATIONAL NETWORK

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
		Cologne University of Applied Science	2
		Hatyai University	1
3.	2008	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
Total			66



21. INTERNATIONAL NETWORK

Table 21.5: UniMAP Exchange Programme to Overseas According to Universities

No.	Year	University/Country	Total
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, Germany	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
		Prince of Songkla, Thailand	3
4.	2010	HTW Aalen University, Germany	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
Total			63



21. INTERNATIONAL NETWORK

Table 21.6: UniMAP Overseas Visits (Official Visit/Conference/Seminar/Research) in the Period 2006-December 2012

No.	Country	Number of Visits
1.	Thailand	5 visits
2.	Indonesia	42 visits
3.	United Kingdom	18 visits
4.	China, Singapore	Each Country, 13 visits
5.	USA	11 visits
6.	Japan	10 visits
7.	India	9 visits
8.	Vietnam	8 visits
9.	Australia	5 visits
10.	Germany	6 visits
11.	Brunei Darussalam, South Korea, New Zealand, Ireland	Each Country, 4 visits
12.	Uzbekistan	3 visits
13.	France, Spain, Holland, Switzerland, Taiwan, Italy, Jordan, Philippines, Saudi Arabia, Cambodia	Each Country, 2 visits
14.	Bangladesh, Finland, Portugal, Austria, Turkey, Belgium, Czech Republic, Saudi Arabia, Hong Kong, Yemen, Sudan, Istanbul, Mauritius, Libya, Cuba, Laos, Croatia, Iran, Egypt, Hong Kong, South Africa, Romania	Each Country, 1 visits

Number of Visit: 281

Number of Country: 50



21. INTERNATIONAL NETWORK

Table 21.7: Overseas Visitor to UniMAP from 2006 - Dec 2012

No.	Year	Visit/Guest	Total Visits to UniMAP
1.	2012	Indonesia: Universitas Islam Sumatera Utara (UISU), Madrasah Aliyah Negeri,	2
		Thailand: Pathon Rajabhat Thailand, Rajamangala University of Srivijaya, Prince of Songkla (PSU), Walailak University, King Mongkut University North Bangkok	5
		Uzbekistan: Tashkent Financial Institute, Tashkent State Technical University & Uzbek State World Language University	3
		Sudan: Omdurman Islamic University	1
		New Zealand: University of Canterbury	1
		Japan: Japan Embassy in Malaysia	1
		Australia: Australia's High Commissioner in Malaysia	1
		Sri Lanka: Wayamba University of Sri Lanka	1
		South Korea: Inha University	1
		Peru: Peru Ambassador to Malaysia	1
		Ecuador: Ecuador Ambassador to Malaysia	1
		Ireland: Athlone Institute of Technology	1
2.	2011	Indonesia : Universitas Sumatera Utara (USU), Medan, Kopertis Sumatera utara & Aceh, Yogyakarta School of Environment Engineering (YSEE)	3
		Thailand : Thayaiwittaya School, Hadyai, Islamic Private School Association, Songkhla, Walailak University, Prince of Songkla, Pattani Campus	4
		Bangladesh : Heritage Consultant Ltd	1
		Republik Czech : University of South Bohemia	1
		German: Cologne University of Applied Sciences (CUAS)	1
		South Korea: Hanbat National University	1
		Australia: Macquarie University, Sydney	1
		China: Beijing Normal University	1
		Vietnam: Petro-Vietnam University	1



21. INTERNATIONAL NETWORK

No.	Year	Visit/Guest	Total Visits to UniMAP
3.	2010	Yemen : Al-Jaziera College	1
		Thailand : Rajamangala University of Thailand	1
		Bangladesh : Heritage Consultant Ltd	1
		China : University of Yunnan Agricultural	1
		New Zealand : Prof. Krzystof, University of Canterbury	1
		Uzbekistan : Tashkent Automobile & Road Construction Institute (TARCI)	1
		Saudi Arabia : College of Applied Medical Sciences, King Saud University	1
		Mauritius : Prof Ameenah Gurib Fakem, University of Mauritius	1
4.	2009	Indonesia : Sekolah Menengah Kejuruan (SMK), Yayasan Pendidikan Tunas Pelita, Medan, Universitas Jenderal Soedirman (UNSOED), Universitas Trisakti, Indonesia	3
		United Kingdom : Prof. Barry Wayne Williams (School of Electrical Systems External Examiner)	1
		New Zealand : Auckland International, The University Auckland	1
		Japan : Yamanashi University	1
		Uzbekistan : Uzbekistan`s Cultural Troupe	1
		Thailand : Walailak University	1
		China : Xinjiang Polytechnic College	1
5.	2008	Indonesia : Yayasan Sriwijaya, Universitas Sumatera Utara (USU), Institut Teknologi Medan (ITM), Universitas Negeri Semarang (UNNES), Universitas Syiah Kuala (Unsyiah)	5
		China : University of Shanghai for Science and Technology, Dr. Wong & Ma Gang (University of Shanghai for Science & Technology (USST)	2
		Iraq : Al-Akhyat Group	1



21. INTERNATIONAL NETWORK

No.	Year	Visit/Guest	Total Visits to UniMAP
	2008	Thailand : Hatyai University, Prince of Songkla University (PSU) { 2 Times }, Computer Engineering & Microelectronic Engineering, Prince of Songkhla University (PSU), Walailak University, King Mongkut`s University of Technology Thonburi (KMUTT) { 3 Times }, Didyasarin International College, Hatyai University, Maejo University Language Centre	11
		United Kingdom : Dr. Terry Jeyes, Deputy Chief Executive and Academic Director, Nothern Consortium United Kingdom (NCUK), Ms Paremila, Director for Regional Office, University of Leeds, Prof. David Barton, University of Leeds	3
		Switzerland: Swiss Asean Technical Institute (SATi) and Swiss Embassy	1
6.	2007	Nigeria : Gabenor of Nigeria	1
		Japan : His Excellency Ambassador of Japan, & Spouse, visit to Perlis and UniMAP, Muroran Institute of Technology	2
		Sudan : University of Medical Sciences & Technology (UMST)	1
		Ireland : Athlone Institute Technology (AIT)	1
		Thailand : Prince of Songkla University (PSU) { 4 Times }, College of Islamic Studies (CIS), PSU	5
		New Zealand : Unitec Business School, UNITEC Auckland	2
		Australia : University of Melbourne { 2 Times }, Prof. Karl Kohlhof	3
		United Kingdom : Loughborough University	1
		Saudi Arabia : University of Yemen	1



21. INTERNATIONAL NETWORK

No.	Year	Visit/Guest	Total Visits to UniMAP
	2007	Japan : Muroran Institute of Technology	1
		Germany : Visit from the Embassy	1
		Ireland : Athlone Institute of Technology (AIT)	1
		China : University of Shanghai for Science and Technology	1
7.	2006	Thailand : Hatyai University, Prince of Songkla University (PSU) { 2 Times }, Thaksin University	4
		Australia : Prof. Veena Sahajwalla, University of Adelaide, University of Tasmania & JMECC, Crystal Clear Pty. Ltd.	4
		Spain : Datuk Manuel Condeminas, Hon. Consul General of Malaysia (Barcelona), University of Barcelona	2
		Malaysia : Western Digital Asia, Kuala Lumpur, Malaysian British Educational Cooperation Services (MABECS), Kuala Lumpur	2
		Japan : Yamanashi University	1
		Czechoslovakia	1
		Germany : Aalen University	1
		USA : Prof. Takeo Kanade, Carnegie Mellon University (CMU)	1
		United Kingdom : Sheffield University	1

Number of Visit : 111

Number of Country : 22





2. Provide direction
3. Reduce the impact
4. Minimize waste

22

**TUITION
FEES**



22. TUITION FEES

■ TUITION FEES FOR ENGINEERING PROGRAMME

Regulations for the Payment of Tuition Fees

1. TUITION FEES

Tuition fees and other related 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 & X-Ray	-	RM	70.00

TOTAL		RM	470.00
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B. Recurrent Fees (Per Semester)

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 Charge	-	RM	30.00
6.	Hostel Activities	-	RM	20.00
7.	IFamily Takaful Insurance (Per Year)	-	RM	28.00

TOTAL		RM	1,398.00
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TOTAL OVERALL		RM	1,868.00
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- C. For the first beginning session, students are required to pay **RM 1,868.00** (total Non-Recurrent Fees and Recurrent Fees). Students only need to pay Recurrent Fee amounted **RM 1,398.00** at first semester for each academic session. However, the total Recurrent Fee amounted to **RM 1,370.00** are chargeable at second semester for each academic session.

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



22. TUITION FEES

■ TUITION FEES FOR BUSINESS PROGRAMME

Regulations for the Payment of Tuition Fees

1. TUITION FEES

Tuition fees and other related 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 & X-Ray	-	RM	70.00
TOTAL			RM	470.00

B. Recurrent Fees (Per Semester)

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 Charge	-	RM	30.00
6.	Hostel Activities	-	RM	20.00
7.	IFamily Takaful Insurance (Per Year)	-	RM	28.00
TOTAL			RM	1,248.00

TOTAL OVERALL	RM	1,718.00
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- C. For the first beginning session, student is required to pay **RM 1,718.00** (total Non-Recurrent Fees and Recurrent Fees). Students only need to pay Recurrent Fee amounted **RM 1,248.00** at first semester for each academic session. However, the total Recurrent Fee amounted to **RM 1,220.00** are chargeable at second semester for each academic session.

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



22. TUITION FEES

■ TUITION FEES FOR DIPLOMA PROGRAMME

Regulations for the Payment of Tuition Fees

(1) TUITION FEES

Tuition fees and other related 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

TOTAL			RM	400.00
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B. Recurrent Fees (Per Semester)

1.	Study Fees	-	RM	400.00
2.	Accommodation Provident Fund	-	RM	450.00
3.	Health Provident Fund	-	RM	40.00
4.	Student Welfare Provident Fund	-	RM	30.00
5.	Transportation Charge	-	RM	30.00
6.	Hostel Activities	-	RM	20.00
7.	Family Takaful Insurance	-	RM	28.00

TOTAL			RM	998.00
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TOTAL OVERALL			RM	1,398.00
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C.

Students only need to pay once for this Non-recurrent Fees total **RM 400.00** during the whole study at UniMAP. This fee **MUST** be paid before or upon registration day. For the first beginning session, students are required to pay **RM 1,398.00** (total Non-Recurrent Fees and Recurrent Fees). However, the total of Recurrent Fee amounted to **RM 998.00** are chargeable at second semester for each academic session

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



22. TUITION FEES

TUITION FEES FOR POSTGRADUATE 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
	RM	250.00	RM	250.00

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

(III) RECURRENT FEES (PER SEMESTER)

Health	RM	40.00
Library	RM	100.00
Laboratory	RM	150.00

(IV) HEALTH INSURANCE (ANUALLY)

International	RM	270.00
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(V) THESIS EXAMINATION FEES *

Doctor of Philosophy	RM	1500.00
Master of Science	RM	1000.00

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

Re-Examination (if necessary)

Doctor of Philosophy	RM	1000.00
Master of Science	RM	750.00



22. TUITION FEES

■ 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)	RM	1000.00	RM	1500.00
TOTAL	RM	4000.00	RM	5500.00

(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
TOTAL	RM	250.00	RM	250.00

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

(III) RECURRENT FEES (PER SEMESTER)

Health	RM	40.00
Library	RM	100.00
Laboratory	RM	150.00

(IV) HEALTH INSURANCE (ANNUALY)

International Student	RM	270.00
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(V) Dissertation Fees

Master of Science	RM	750.00
Re-Examination (If necessary)	RM	300.00



22. TUITION FEES

COURSEWORK

(I) TUITION FEES

	Malaysian		International	
Tuition Fees	RM	300.00x 42 units	RM	400.00x 42 units
TOTAL	RM	12600.00	RM	16800.00

(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
Dissertation Examination Fees	RM	500.00	RM	750.00
Alumni	RM	100.00	RM	100.00
TOTAL	RM	850.00	RM	1100.00

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

(III) RECURRENT FEES (PER SEMESTER)

Health	RM	40.00
Library	RM	100.00
Laboratory	RM	150.00

(IV) HEALTH INSURANCE (ANNUALY)

International Students	RM	270.00
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22. TUITION FEES

TUITION FEES INTENSIVE ENGLISH COURSE (INTERNATIONAL STUDENT)

Table 22.1: Tuition Fees for Intensive English Course (International Student)

No.	Type of Fees	Total (RM)
1.	Tuition Fees	5,000.00
2.	Orientation	150.00
3.	Registration	30.00
4.	Student Card	70.00
5.	Insurance	270.00
6.	Library	100.00
7.	Transportation Charges	30.00
8.	Medical Check-ups	200.00
9.	Student Health Provident Fund	40.00
10.	Personal Bond	2,000.00
11.	Accommodation Provident Fund	Depends on the types of room
Total (excluding accommodation)		7,890.00

TUITION FEES FOR BUSINESS DEGREE PROGRAMME (INTERNATIONAL STUDENT)

Table 22.2: Tuition Fees For Business Degree Programme (Non-Recurrent Fees)

No.	Type of Fees	Total (RM)
1.	Orientation	150.00
2.	Development Student	150.00
3.	Registration	30.00
4.	Student Card	70.00
5.	Personal Bond	2,000.00
6.	Student Association	30.00
7.	Medical Checkups	200.00
8.	Alumni	100.00
9.	Convocation	130.00
Total Non-Recurring Fees		2,860.00



22. TUITION FEES

Table 22.3: Tuition Fees for Business Degree Programme (Recurrent Fees)

No.	Type of Fees	Total (RM)
1.	Tuition Fees	3,000.00 per year
2.	Accommodation Provident Fund	Depends on the types of room
3.	Health Provident Fund	80.00
4.	Student Welfare Provident Fund	60.00
5.	Transportation Charges	60.00
6.	Hostel Activities	40.00
7.	Health Insurance - once a year	270.00
8.	Library	200.00
Sub Total		3,710.00
Total (RM 2,860.00+ RM 3,710.00) (excluding accommodation)		6,570.00

Note:

- Students only need to pay once for this Non Recurrent Fee of **RM 6,570.00** for the whole semester at UniMAP. This fee **MUST** be paid before or upon registration.
- However recurring fees of **RM 3,710.00** imposed in the second year of study.



22. TUITION FEES

TUITION FEES FOR ENGINEERING DEGREE PROGRAMME (INTERNATIONAL STUDENT)

Table 22.4: Tuition Fees For Engineering Degree Programme (Non-Recurrent Fees)

No.	Type of Fees	Total (RM)
1.	Orientation	150.00
2.	Development Student	150.00
3.	Registration	30.00
4.	Student Card	70.00
5.	Personal Bond	2,000.00
6.	Student Association	30.00
7.	Medical Checkups	200.00
8.	Alumni	100.00
9.	Convocation	130.00
Total Non-Recurring Fees		2,860.00

Table 22.5: Tuition Fees for Engineering Degree Programme (Recurrent Fees)

No.	Type of Fees	Total (RM)
1.	Tuition Fees	RM 4,000.00 per year
2.	Accommodation Provident Fund	Depends on types of room
3.	Health Provident Fund	80.00
4.	Student Welfare Provident Fund	60.00
5.	Transportation Charges	60.00
6.	Hostel Activities	40.00
7.	Health Insurance - once a year	270.00
8.	Library	200.00
Total Recurrent Fees		4,710.00
Total (RM 2,860.00+ RM 4,710.00) (excluding accommodation)		7,570.00

Nota :

1. Student required paying the full fees of RM7, 570.00 before or upon registration
2. However, recurring fees of RM4, 710.00 imposed in the second year of study



22. TUITION FEES

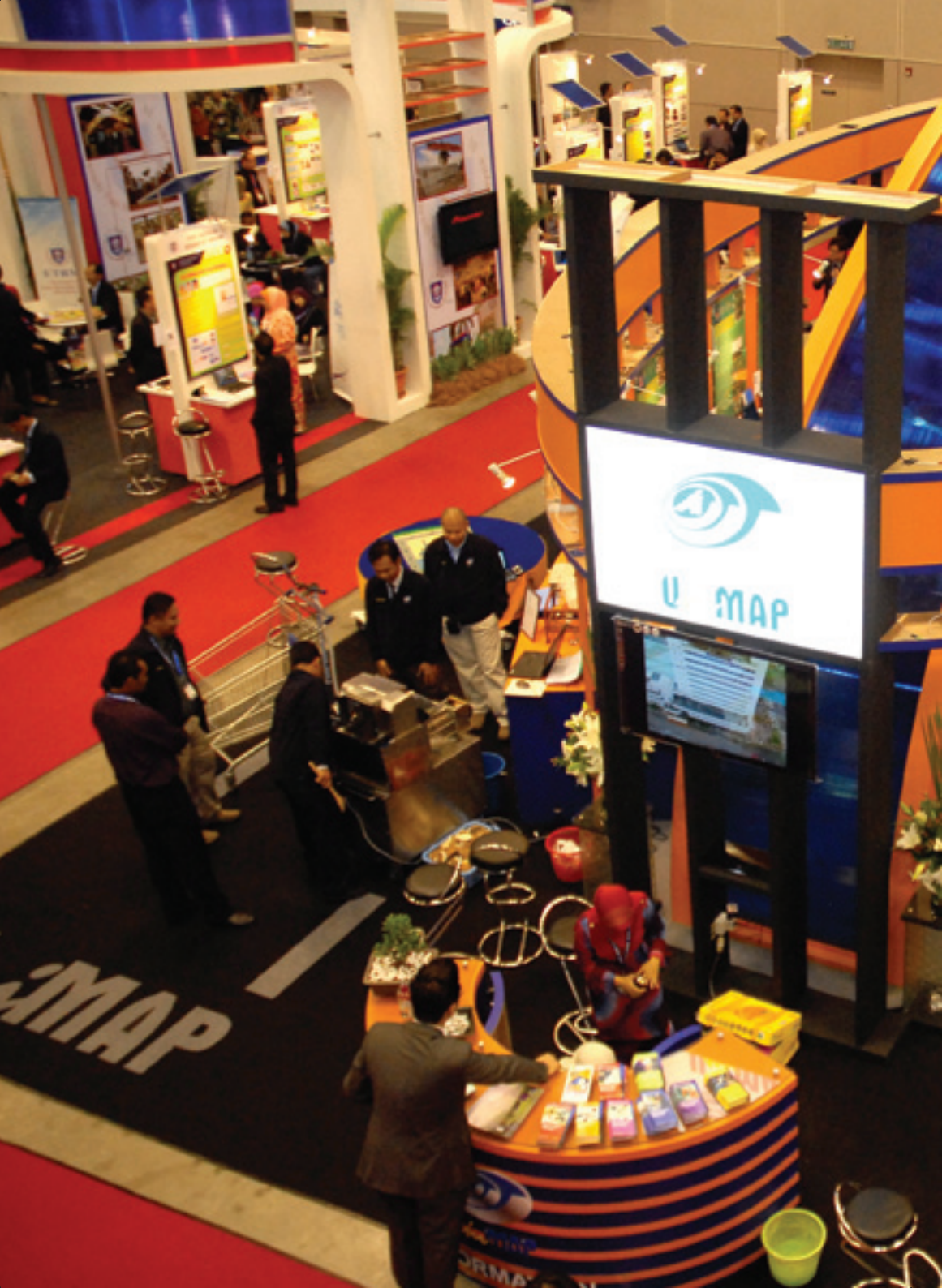
Table 22.6: Monthly Accommodation Fees for International Students (Male) - KKG

Types of Room	Students Category	Single House		
		Room 1 Single	Room 2 Sharing	Room 3 Sharing
Room without Air - Conditioning	International	RM145.00x 6 month = RM 870.00	RM135.00x 6 month = RM 810.00	RM135.00 x 6 month = RM 810.00
Deposit		RM 50.00 per room		
<p>Note:</p> <p>1. At the beginning of every session, students are required to pay for the accommodation fees, subjected to the types of rooms chosen by students.</p> <p>2. All fees and other charges are liable to review and change without prior notice and subjected to the University.</p>				

Table 22.7: Monthly Accommodation Fees For International Students (Female) – KKA

Types of Room	Room 1		Room 2		Room 3		Room 4
	Single	Sharing	Single	Sharing	Single	Sharing	Single
Room without Air-Conditioning	RM 200.00 x 6 month = RM 1,200.00	RM 150.00 x 6 month = RM 900.00	RM 170.00 x 6 month = RM 1,020.00	RM 130.00 x 6 month = RM 780.00	RM 170.00 x 6 month = RM 1,020.00	RM 130.00 x 6 month = RM 780.00	RM 150.00 x 6 month = RM 900.00
Room with Air-Conditioning	RM 330.00 x 6 month = RM 1,980.00	RM 210.00 x 6 month = RM 1,260.00	RM 300.00 x 6 month = RM 1,800.00	RM 190.00 x 6 month = RM 1,140.00	-	-	-
Deposit	RM 50.00 per room						
<p>Nota:</p> <p>1. At the beginning of every session, students are required to pay for the accommodation fees, subjected to the types of rooms chosen by students.</p> <p>2. All fees and other charges are liable to review and change without prior notice and subjected to the University.</p>							

Updated : November 2012
Sources : Bursary Department





23 FINANCIAL





Table 23.1: Financial Assistance/ Scholarship

No.	Source	No Holder	Total (RM)	Government/ Non Government
1.	Kumpulan Wang Simpanan Pekerja	25	47,817.16	Non Government
2.	Biasiswa Kementerian Pengajian Tinggi	111	159,870.00	Government
3.	Yayasan Pelajaran Johor	3	8,250.00	Government
4.	Yayasan Negeri Sembilan	22	51,400.00	Government
5.	Tabung Amanah Pendidikan Negeri Melaka	20	55,400.00	Government
6.	Yayasan Terengganu	1	2,300.00	Government
7.	Biasiswa Permodalan Nasional Berhad	8	6,244.00	Non Government
8.	Yayasan Pahang	5	35,000.00	Government
9.	Embassy Of The Republic Of Yemen Cultural Attache	12	109,862.84	Government
10.	Kuok Foundation Berhad	4	19,000.00	Non Government
11.	Yayasan Kelantan Darulnaim	7	20,000.00	Government
12.	Perbadanan Tabung Pendidikan Tinggi Nasional	5,122	6,516,233.01	Non Government
13.	Kumpulan Wang Biasiswa Negeri Selangor	20	81,761.44	Government
14.	Jabatan Perkhidmatan Awam	1	85000	Government
15.	Pertubuhan Keselamatan Sosial	1	800.00	Non Government
16.	Biasiswa Kerajaan Negeri Sabah	19	73,440.00	Government



23. FINANCIAL

No.	Source	No Holder	Total (RM)	Government/ Non Government
17.	G.A.B Foundation	1	5,000.00	Non Government
18	Yayasan KLK	1	3,500.00	Non Government
19	Lembaga Zakat Selangor	3	3,866.00	Government
20	Majlis Amanah Rakyat	2	4,444.00	Government
21	Majlis Agama Islam Dan Adat Melayu Perak Darul Ridzuan	1	1,800.00	Government
22	Biasiswa Skim Latihan Tenaga Pengajar Teknikal	3	2,400.00	Government
23	Lembaga Pemegang Amanah Kumpulan Wang Negeri Perlis	2	7,000.00	Government
24	Lee Foundation, States Of Malaya	1	750.00	Non Government
25	Majlis Agama Islam Wilayah Persekutuan	1	6,102.50	Government
26	Jabatan Kemajuan Orang Asli Malaysia	5	13,250.00	Government
27	Yayasan Biasiswa Sarawak Tunku Abdul Rahman	1	928.00	Government
28	Majlis Ugama Islam Sabah	2	2,000.00	Government
29	Yayasan Pahang	4	14,000.00	Government
30	Maju Institute Of Educational Development	1	3,000.00	Non Government
31	National Council Of Women's Organisation	1	1,082.12	Non Government
TOTAL		5,410	7,959,657.07	



23. FINANCIAL

Table 23.2 Allocation and Expenditure from 2002 - November 2012

Allocation for Hospitality	2002	2003	2004	2005	2006
Allocation From Government	17,957,300.00	60,000,000.00	71,000,000.00	91,593,500.00	92,036,900.00
Expenditure	-	-	-	-	8,354,000.00
Total Allocation	17,957,300.00	60,000,000.00	71,000,000.00	91,593,500.00	100,390,900.00
Expenditure	16,677,196.00	56,517,190.34	67,970,115.28	89,304,111.57	99,475,187.83
% Expenditure	92.87	94.20	95.73	97.50	99.09

Allocation for Hospitality	2007	2008	2009	2010
Allocation From Government	107,198,000.00	141,113,200.00	176,157,000.00	146,454,500.00
Expenditure	14,998,500.00	-	-	18,355,299.00
Total Allocation	122,196,500.00	141,113,200.00	176,157,000.00	164,809,799.00
Expenditure	119,027,490.25	139,327,566.25	172,326,910.59	164,590,636.14
% Expenditure	97.41	98.73	97.83	99.87

Allocation for Hospitality	2011	2012	Total
Allocation From Government	179,000,000.00	187,000,000.00	1,269,510,400.00
Expenditure	14,400,820.83	37,947,195.00	94,055,814.83
Total Allocation	193,400,820.83	224,947,195.00	1,363,566,214.83
Expenditure	193,034,142.88	211,093,339.03	1,329,343,886.16
% Expenditure	99.81	93.84	97.49

Updated
Sources

: December 2012
: Bursary Department