



HUBUNGAN INDUSTRI INDUSTRIAL COLLABORATION



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Pengenalan

Pusat Kerjasama Industri ditubuhkan secara rasmi pada Februari 2004. Penubuhan Pusat ini ditubuhkan untuk menjalankan program dan juga aktiviti yang berorientasikan dunia pengeluaran dan aplikasi kejuruteraan sebenar. Pusat ini juga melambangkan kepelbagaian penawaran program dan aktiviti akademik yang berteraskan penyertaan dan komitmen daripada pihak industri. Semua program dan aktiviti Pusat ini bakal menjadi sebahagian kursus dan aktiviti teras kejuruteraan yang mampu mempertingkatkan daya saing dalam bidang rekabentuk, pemrosesan dan pengeluaran pelbagai produk yang berteraskan kejuruteraan.

Objektif

1. Memperkenalkan UniMAP kepada Industri.
2. Merangka, melaksana dan membantu pelaksanaan pelbagai aktiviti dengan penyertaan industri bagi kakitangan dan pelajar yang melibatkan industri.
3. Mempertingkatkan pandangan umum dan industri terhadap program akademik dan mutu UniMAP dengan penyertaan rapat oleh industri dalam program pengajiannya.
4. Menyokong pelaksanaan konsep 'intensif praktikal' yang diamalkan UniMAP.
5. Menggalak dan menyelaraskan aktiviti kerjasama seperti perundingan, latihan, khidmat teknikal dan penyelidikan.

Fungsi

Antara fungsi-fungsi Pusat Kerjasama Industri adalah:

1. Aktiviti-aktiviti pembelajaran yang berkaitan dengan atau melibatkan industri secara langsung mahupun tidak langsung yang memerlukan penyelarasan yang sistematik.
2. Kerjasama UniMAP dengan pihak industri dan badan-badan swasta lain yang memerlukan pemantauan dan pelaksanaan yang sempurna.
3. Kefahaman pihak industri dan swasta terhadap penubuhan UniMAP perlu sentiasa wujud dan dikendalikan oleh sesuatu badan khas.
4. Aktiviti yang berkaitan dengan latihan staf di industri memerlukan pemantauan yang sempurna.
5. Menjelaskan secara terperinci sebarang aktiviti yang berkaitan dengan kurikulum kepada industri.
6. Bertanggung jawab ke atas aktiviti pengkomersilan produk dan penyelidikan yang dibuat di UniMAP yang berkaitan dengan bidang industri.
7. Menjalankan aktiviti/program Pendidikan Berterusan yang berkaitan dengan pihak industri.
8. Mengadakan aktiviti promosi dan perhubungan dengan pihak industri.
9. Pemantauan dan penyeliaan program perundingan.

Introduction

The Centre for Industrial Collaboration (CIC) was officially established in February 2004. The Centre's aims are primarily to organise programmes and activities which are manufacturing-oriented and have real engineering applications. Through the Centre's activities, the diversity of related programmes and academic activities, and the industry's participation and commitment can be seen. All of the Centre's programmes and activities constitute a part of the courses and activities offered in this University. Cumulatively, the programmes should help boost students' capability in the fields of design, process, application, and manufacturing of diversified engineering-based products.

Objectives

1. To introduce UniMAP to the industry.
2. To plan, implement and assist the execution of activities that have industrial participation for both staff and students.
3. To increase public and industry awareness and understanding of UniMAP's academic programmes and quality by having close participation with the industry.
4. To facilitate UniMAP's "lab-intensive" approach to education delivery.
5. To encourage and coordinate collaboration between UniMAP and the industry in consultancy, training, technical service, and research.

Functions

The functions of the Centre for Industrial Collaboration are:

1. To plan, implement, coordinate, supervise, and monitor activities that directly or indirectly involve the industry.
2. To act as a platform upon which the industry, private bodies, and the University meet to discuss issues of mutual interest.
3. Industry and private bodies understanding toward the creation of UniMAP should always exist and this is handled by a special body.
4. To plan activities that are related to staff on-job-training in the industry.
5. To explain the University's curriculum-related activities to the industry.
6. To coordinate activities related to product commercialisation and research conducted at UniMAP, which are related to the industry.
7. To carry out continuous education programmes and activities which are related to the industry.
8. To organise promotion and communication activities with the industry.
9. To monitor and supervise the University's consultation programmes.

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Program dan Aktiviti Pusat Kerjasama Industri

Program-program dan aktiviti-aktiviti yang dijalankan oleh Pusat Kerjasama Industri, Universiti Malaysia Perlis ialah yang berikut:

1. Pendedahan Industri (IndEx)

Program IndEx merupakan program singkat yang memberikan pendedahan industri kepada pelajar tahun 1 UniMAP. Aktiviti-aktiviti yang dijalankan dalam program ini berbentuk taklimat, dialog dan demonstrasi. Pusat Kerjasama Industri mengadakan aktiviti dengan kerjasama sektor-sektor industri kecil, firma R&D, badan-badan professional dan badan-badan kerajaan. Program ini akan dijadikan penanda aras dalam menentukan sama ada pelajar layak untuk mengikut program IndEnt pada tahun 2 kelak.

Objektif program ini ialah memberikan kefahaman yang lebih mendalam tentang bentuk pekerjaan yang bakal diceburi, membuka minda pelajar-pelajar dengan membina keyakinan diri untuk berjaya dalam bidang yang diceburi, mempertingkatkan pandangan dan menjelaskan peluang-peluang yang disediakan di dalam bidang industri, membantu UniMAP melahirkan jurutera profesional yang terdidik, terlatih dan berkemampuan untuk memenuhi kehendak industri dan memberikan pendedahan kepada pelajar tentang aspek keusahawanan kejuruteraan.

Program ini telah diadakan pada :

(a) 8 - 10 Mei 2006 (IndEx 2006)

- Telah diadakan di Dewan Kapitol UniMAP, Kangar.
- Melibatkan sebanyak 692 orang pelajar Tahun 1
- Syarikat-syarikat yang terlibat ialah:

1. Intel Technology Sdn. Bhd.
2. Avago Technologies (Malaysia) Sdn. Bhd.
3. Altera Corporation (M) Sdn. Bhd.
4. Sony Technology Malaysia Sdn. Bhd.
5. National Semiconductor
6. RMR Engineering Services Sdn. Bhd.
7. Dream Cather Consulty
8. Silterra Malaysia Sdn. Bhd.
9. Ramusa Engineering
10. Jabil Circuit Sdn. Bhd.
11. AIC Semiconductor
12. Information Technology Centre
13. Pentamaster Technology (M) Sdn. Bhd.
14. Cement Industries of Malaysia Bhd.
15. Malaysia Smelting Corporation Berhad
16. Asian Composites Manufacturing Sdn. Bhd.
17. PPSB Power Plant
18. Hicom Honda Manufacturing (Malaysia)
19. Better Scope Sdn. Bhd.
20. Global E-Technic Sdn. Bhd.
21. Kilang Gula Felda Perlis Sdn Bhd

Programmes And Activities Conducted By The Centre For Industrial Collaboration

The following are programmes and activities conducted by the Centre for Industrial Collaboration:

1. Industrial Exposure (IndEx)

The IndEx Programme is a short programme that gives industrial exposure to UniMAP first year students. Activities conducted in this programme are in the forms of briefing, dialogue and demonstration, all done in collaboration with small and medium industry sectors, R&D firms, professional bodies as well as government bodies. This programme determines whether or not students qualify for the IndEnt programme when they are in the following year of their studies in the University.

The objectives of this programme are to give students a deeper understanding about the variety of jobs to pursue in the industry, to enhance students' self confidence, to increase their understanding and appreciation of the opportunities available in the industry, to mould them to become well-groomed, well-trained and capable of fulfilling the industry's needs, and to give exposure to them on engineering entrepreneurship.

Details of the programme are given below:

(a) 8th - 10th, May 2006 (IndEx 2006)

- Conducted at UniMAP's Dewan Kapitol, Kangar.
- Participation of 692 first (1st) year students
- The companies involved were:

1. Intel Technology Sdn. Bhd.
2. Avago Technologies (Malaysia) Sdn. Bhd.
3. Altera Corporation (M) Sdn. Bhd.
4. Sony Technology Malaysia Sdn. Bhd.
5. National Semiconductor
6. RMR Engineering Services Sdn. Bhd.
7. Dream Cather Consulty
8. Silterra Malaysia Sdn. Bhd.
9. Ramusa Engineering
10. Jabil Circuit Sdn. Bhd.
11. AIC Semiconductor
12. Information Technology Centre
13. Pentamaster Technology (M) Sdn. Bhd.
14. Cement Industries of Malaysia Bhd.
15. Malaysia Smelting Corporation Berhad
16. Asian Composites Manufacturing Sdn. Bhd.
17. PPSB Power Plant
18. Hicom Honda Manufacturing (Malaysia)
19. Better Scope Sdn. Bhd.
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2. Skim InTelect Melibatkan Syarahan Akademik Pakar Dari Industri

Kumpulan sasaran program ini adalah kepada mahasiswa UniMAP mengikut Pusat-pusat Pengajian dan kakitangan akademik yang berkaitan. Pensyarah dan tajuk syarahan yang dipilih hendaklah mempunyai hubungkait dengan maklumat yang telah dipelajari di dalam kelas bagi subjek tersebut. Tujuan ceramah ini diadakan untuk memberikan pendedahan kepada pelajar-pelajar UniMAP untuk mengenali, bersoaljawab dan berkongsi pengalaman dengan pihak industri tentang suasana dan persekitaran alam pekerjaan dalam sektor industri sebelum mereka dapat merasainya dalam program IndEx dan InTra kelak.

Program InTelect telah dijalankan sepanjang tahun 2006 adalah seperti berikut:
InTelect Programmes conducted through out 2006 were as follows:

Bil.	Topik / Topic	Penceramah / Lecturer	Industri / Industry	Tarikh / Date
1.	Material Planning	Mrs.Fatimah Ismail	TWP Sdn Bhd, Johor Bahru	06 th March 2006
2.	ISO 9000	Mr. Azman Yahya	Permintex Industries Sdn Bhd	2 nd - 9 th August 2006
3.	Control Charts	Dr. Zaharah Wahid	SIRIM	23 rd August 2006
4.	ISO 9000	Mr. Azman Yahya	Permintex Industries Sdn Bhd	19 th September 2006
5.	Acceptance Sampling	Dr Ir Chuah Khar Yee	SOLETRON Technology Sdn Bhd	27 th & 28 th September 2006

2. InTelect Scheme -- Talks from Industrial Experts

The target audiences for this programme are students and academic staff. Guest Lecturers are invited, whereby the topics that the Guest Lecturers deliver directly relate to the topics covered in class. The purpose is to provide opportunities for students to get to know, interact and share experiences with industry members about the working environment in the industry before experiencing it in the IndEx and InTra programmes later.

3. Lawatan Industri

Pusat Kerjasama Industri telah menyelaraskan beberapa siri lawatan ke industri.

3. Industrial Visits

The Centre for Industrial Collaboration coordinated a series of visits to the industry, as follows:

Bil	Nama Syarikat / Company Name	Bilangan / Total	PPK Terlibat / School Involved	Tarikh / Date
1.	Avago Technologies Sdn Bhd	40 pelajar / students	PPK Komputer & Perhubungan School of Computer & Comm. Engineering	12/07/2006
2.	AIC Semiconductor Sdn Bhd	40 pelajar / students	PPK Mikroelektronik School of Microelectronic Engineering	12/07/2006
3.	Silterra Malaysia Sdn Bhd	40 pelajar / students	PPK Mikroelektronik School of Microelectronic Engineering	12/07/2006
4.	Techno Centre -KHTP	80 pelajar / students	PPK Mekatronik School of Mechatronic Engineering	12/07/2006
5.	Cement Industries of Malaysia Bhd (CIMA)	40 pelajar / students	PPK Bahan School of Materials Engineering	12/07/2006
6.	Malaysia Smelting Corporation Berhad	40 pelajar / students	PPK Bahan School of Materials Engineering	12/07/2006
7.	Asiam Composite Manufacturing (ACM)	40 pelajar / students	PPK Bahan School of Materials Engineering	12/07/2006
8.	PPSB Power Plant, Prai	40 pelajar / students	PPK Sistem Elektrik School of Electrical System Engineering	12/07/2006
9.	Hicom Honda Manufacturing (M) Sdn Bhd	40 pelajar / students	PPK Pembuatan School of Manufacturing Engineering	12/07/2006
10.	Better Scope Sdn Bhd	40 pelajar / students	PPK Pembuatan School of Manufacturing Engineering	12/07/2006
11.	Jabil Circuit Sdn Bhd	40 pelajar / students	PPK Mikroelektronik School of Microelectronic Engineering	13/07/2006

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4. Program Latihan Industri (InTra)

Latihan Industri (InTra) di UniMAP merupakan kursus yang wajib diduduki oleh semua pelajar Tahun 3 UniMAP untuk memenuhi syarat yang telah ditentukan oleh "Board of Engineers Malaysia". Dalam program Latihan Industri (InTra) ini terdapat prosedur-prosedur tertentu yang perlu diikuti seperti yang terkandung dalam klausa 6.1.2 : "Requirements for Degree Programme". Di dalam klausa ini dinyatakan bahawa :

"Industrial training shall be for a minimum of a two month duration to qualify for consideration under the related subjects. Credit hours allowed are 2 credit hours for the first two months and 2 credit hours per month for the following months, subject to a maximum of 6 credit hours. The training shall be adequately structured, supervised and recorded in logbooks/reports."

Tempoh latihan yang ditetapkan berbeza di antara satu sama lain dan tertakluk pada persetujuan oleh pihak industri dengan pelajar. Pelajar ditempatkan di industri mengikut kesesuaian bidang dalam tempoh selama 4 hingga 6 bulan (*Lampiran 2*). Program ini menyumbangkan unit kredit kepada bagi kursus EIT300.

Senarai penempatan pelajar dan maklumat Latihan Industri yang dijalankan di Universiti Malaysia Perlis bagi sesi 2005/2006. Sila rujuk halaman 112 -115.

5. Program Malam Bersama Industri

Program Malam Bersama Industri ini dicadangkan oleh Y. Bhg. Dato' Naib Canselor untuk meraikan pihak industri dan pelajar yang terlibat dengan Program Latihan Industri (InTra) bagi tahun 2005/2006. Majlis ini telah dilaksanakan oleh Pusat Kerjasama Industri dengan kerjasama Pasukan INTEAM - UniMAP di Eastern & Oriental Hotel, Pulau Pinang pada 19 Mei 2006 dan di Putra World Trade Centre (PWTC), Kuala Lumpur pada 27 Mei 2006. Tempat-tempat ini dipilih adalah berdasarkan tempat pelajar menjalani Latihan Industri dan juga di kawasan industri yang dikenalpasti mempunyai prospek kerjasama pada masa depan.

Selain daripada itu objektif majlis ini adalah untuk :

- 1) Mempromosikan UniMAP kepada pihak industri di Malaysia.
- 2) Memberikan penghargaan kepada pihak industri yang banyak memberikan sumbangan dan kerjasama untuk mempertingkatkan program akademik dan pembangunan UniMAP.
- 3) Menjalinkan hubungan rapat antara UniMAP dengan pihak industri bagi memudahkan pelaksanaan aktiviti bersama seperti penempatan pelajar untuk latihan industri, lawatan akademik pelajar, latihan kepada staf akademik dan sebagainya pada masa depan.
- 4) Sebagai suatu platform perjumpaan antara pelajar yang sedang menjalani Latihan Industri di industri dengan kakitangan akademik.
- 5) Membantu menyediakan peluang-peluang pekerjaan kepada bakal siswazah UniMAP selepas tamat pengajian kelak.

4. Industrial Training Programme (InTra)

Industrial Training (InTra) at Universiti Malaysia Perlis is a compulsory course (course coded EIT 300) to be taken by all UniMAP 3rd year students in fulfilling the condition set by the Board of Engineers Malaysia, as stated in clause 6.1.2 ("Requirements for Degree Programme") of the Manual:

"Industrial training shall be for a minimum of a two month duration to qualify for consideration under the related subjects. Credit hours allowed are 2 credit hours for the first two months and 2 credit hours per month for the following months, subject to a maximum of 6 credit hours. The training shall be adequately structured, supervised and recorded in logbooks/reports."

Students are sent to suitable organisations, according to their specific study areas for the duration of 4 - 6 months (Appendix 2). The exact training duration is upon the agreement of the student and the organisation she/he is attached to.

Below is a list of organisations that took in UniMAP students for the Industrial Training programme during the 2005/2006 session. Please refer page 112 -115.

5. 'Night with the Industry' Programme

The 'Night with the Industry' programme was proposed by the Vice-Chancellor to welcome the industry and students who were involved in the Industrial Training Programme (InTra) for the year 2005/2006. It was organised by the Centre for Industrial Collaboration together with the UniMAP INTEAM team at the Eastern & Oriental Hotel, Pulau Pinang on May 19th 2006 and at the Putra World Trade Centre (PWTC), KL on May 27th 2006. The choice of places were based on the locations where most students were undergoing Industrial Training, as well as that of the locations having high prospects for future University-industry collaboration.

In addition, the objectives of the occasion were :

- 1) To promote UniMAP to the industry throughout Malaysia.
- 2) To honour the organisations that have made much contribution and collaboration to improve the academic programmes and development of UniMAP.
- 3) To forge a close relationship between UniMAP and the industry so as to ease future collaboration programmes between both parties.
- 4) To set a meeting place where students undergoing Industrial Training meet with the academic staff.
- 5) To start the process of providing job opportunities to graduates of UniMAP after they have completed their studies later.

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Memorandum Persefahaman (MoU) / Memorandum Perjanjian (MoA) Antara UniMAP Dengan Pihak Industri / Pusat Pengajian Tinggi Tempatan Dan Antara Bangsa.

Terdapat sebanyak 17 Memorandum Persefahaman (MoU) dan 4 Memorandum Perjanjian (MoA) ditandatangani oleh UniMAP dengan industri dan juga Pusat Pengajian Tinggi didalam dan luar negara pada tahun 2006.

Objektif

- Memperluas hubungan dengan industri dalam negara
- Memperluas hubungan kerjasama dengan pusat pengajian tinggi dalam negara dan juga luar negara
- Mempertingkatkan aktiviti UniMAP dengan industri
- Memperkuatkan kerjasama dengan industri
- Membantu memperkembangkan SMI di Malaysia

Antara Industri dan Pusat Pengajian Tinggi Dalam Negara dan Luar Negara yang menandatangani MoU / MoA dengan Universiti Malaysia Perlis ialah:

1) INSTITUT PERTANIAN BOGOR

Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)

Tarikh: 19 Januari 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- Masih dalam proses perbincangan bidang kerjasama yang akan dijalankan

2) TRISAKTI UNIVERSITY

Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)

Tarikh: 19 Januari 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- Program pertukaran pelajar antara UniMAP dengan TRISAKTI telah dilaksana. Seramai 5 orang pelajar dari UniMAP telah dihantar ke Trisakti dan UniMAP telah menerima 4 orang pelajar dari Trisakti.

3) TECHNICAL UNIVERSITY COLLEGES NETWORK OF MALAYSIA (TUCN MALAYSIA)

Penglibatan : Pejabat Naib Canselor

Tarikh: 3 Mac 2006 (Tempoh 5 Tahun)

4) UNIVERSIDAD POLITECNICA DE MADRID

Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)

Tarikh: 4 April 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- Masih dalam proses perbincangan bidang kerjasama yang akan dijalankan

Memorandum of Understanding (MoU) / Memorandum of Agreement (MoA) between UniMAP and Its Industrial Counterparts, and National & International Higher Learning Institutions.

There are 17 Memorandum of Understanding (MoUs) and 4 Memorandum of Agreement (MoAs) conducted by UniMAP and its industrial counterparts as well as national and international higher learning institutions in 2006.

Objectives

- To forge and widen links and collaborations with members of the industry
- To forge and widen links and collaborations with national and international higher learning institutions
- To help Small & Medium Scale Industries (SMIs) in Malaysia

Below is a list of organisations that have signed MoUs and MoAs with UniMAP:

1) INSTITUT PERTANIAN BOGOR

Involved : Deputy Vice-Chancellor's Office (Academic & International)

Date Signed : 19th January 2006 (Duration 5 years)

Status of Collaboration Conducted :

- Organisation of seminar

2) TRISAKTI UNIVERSITY

Involved : Deputy Vice-Chancellor's Office (Academic & International)

Date Signed : 19th January 2006 (Duration 5 Years)

Status of Collaboration Conducted :

- Students exchange programme between UniMAP and TRISAKTI. A total of 5 students from UniMAP were sent to Trisakti and UniMAP received 4 students from TRISAKTI.

3) TECHNICAL UNIVERSITY COLLEGES NETWORK OF MALAYSIA (TUCN MALAYSIA)

Involved : Vice-Chancellor's Office

Date Signed : 3rd March 2006 (Duration 5 Years)

Status of Collaboration Conducted :

- Series of discussions on issues of mutual interest

4) UNIVERSIDAD POLITECNICA DE MADRID

Involved : Deputy Vice-Chancellor Office (Academic & International)

Date Signed : 4th April 2006 (Duration 5 Years)

Status of Collaboration Conducted :

- Still under discussion

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- 5) **TECHNOLOGICAL EDUCATION INSTITUTE OF ATHENS**
Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)
Tarikh: 6 April 2006 (Tempoh 5 Tahun)
Status Kerjasama Yang Telah Dijalankan :
 1) Masih dalam proses perbincangan bidang kerjasama yang akan dijalankan
- 6) **TECHNOLOGICAL EDUCATION INSTITUTE OF PIRAEUS**
Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)
Tarikh: 6 April 2006 (Tempoh 5 Tahun)
Status Kerjasama Yang Telah Dijalankan :
 1) Masih dalam proses perbincangan bidang kerjasama yang akan dijalankan
- 7) **UNIVERSITI UTARA MALAYSIA (UUM) - (MoA)**
Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)
Tarikh: 5 Jun 2006 (Tempoh 5 Tahun)
Status Kerjasama Yang Telah Dijalankan :
 1) Menjalankan kerjasama melalui menyediakan tenaga pengajar untuk pelajar MSc. dalam bidang Pengurusan Teknologi
- 8) **AGILENT TECHNOLOGIES SDN BHD**
Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)
Tarikh: 21 Julai 2006 (Tempoh 5 Tahun)
Status Kerjasama Yang Telah Dijalankan :
 1) Mengadakan MoA untuk Agilent – UniMAP Development Program. Program ini merupakan program yang menjadi Pensyarah dan PLV UniMAP mengajar para juruteknik Agilent dalam beberapa Subjek.
 2) Program AKDP 1 sudah tamat dan disambungkan dengan AKDP 2.
 3) Memberikan 50 lesen untuk VEE
- 9) **INSTITUT KAJIAN PEMBANGUNAN (SABAH) (IDS)**
Penglibatan : PPK Bioproses
Tarikh: 21 Julai 2006 (Tempoh 5 Tahun)
Status Kerjasama Yang Telah Dijalankan :
 1) Menunggu permohonan kelulusan geran RM1.6 Juta untuk kerjasama penyelidikan
- 10) **ACMS RESOURCES SDN.BHD**
Penglibatan : PPK Mekatronik
Tarikh: 21 Julai 2006 (Tempoh 5 Tahun)
Status Kerjasama Yang Telah Dijalankan :
 1) Masih dalam proses perbincangan bidang kerjasama yang akan dijalankan
- 11) **UNIVERSITY OF NEW SOUTH WALES (UNSW)**
Penglibatan : PPK Bahan
Tarikh: 21 Julai 2006 (Tempoh 5 Tahun)
Status Kerjasama Yang Telah Dijalankan :
 1) Prof. Dr. Veena Sahajwalla (Director of Sustainable Materials Processing Research, UNSW) telah dilantik menjadi Penasihat Luar bagi Penyelidikan dan Inovasi untuk PPK Bahan.
- 5) **TECHNOLOGICAL EDUCATION INSTITUTE OF ATHENS**
Involved : Deputy Vice-Chancellor Office (Academic & International)
Date Signed : 6th April 2006 (Duration 5 Years)
Status of Collaboration Conducted :
 1) Still under discussion
- 6) **TECHNOLOGICAL EDUCATION INSTITUTE OF PIRAEUS**
Involved : Deputy Vice-Chancellor Office (Academic & International)
Date Signed : 6th April 2006 (Duration 5 Years)
Status of Collaboration Conducted :
 1) Still under discussion
- 7) **UNIVERSITI UTARA MALAYSIA (UUM) - (MoA)**
Involved : Deputy Vice-Chancellor Office (Academic & International)
Date Signed : 5th June 2006 (Duration 5 Years)
Status of Collaboration Conducted :
 1) UniMAP's Master of Science students to study Technology Management in UUM
- 8) **AGILENT TECHNOLOGIES SDN BHD**
Involved : Deputy Vice-Chancellor Office (Academic & International)
Date Signed : 21st July 2006 (Duration 5 Years)
Status of Collaboration Conducted :
 1) MoA between Agilent – UniMAP on Development Programme (a programme whereby UniMAP lecturers and vocational training officers teach Agilent's technicians in several subject areas)
 2) The AKDP 1 programme was completed and now continued with the AKDP 2.
 3) Giving out 50 licenses for VEE
- 9) **INSTITUT KAJIAN PEMBANGUNAN (SABAH) (IDS)**
Involved : School of Bioprocess Engineering
Date Signed : 21st July 2006 (Duration 5 Years)
Status of Collaboration Conducted :
 1) Awaiting RM1.6 million grant approval for research collaboration.
- 10) **ACMS RESOURCES SDN. BHD**
Involved : School of Mechatronic Engineering
Date Signed : 21st July 2006 (Duration 5 Years)
Status of Collaboration Conducted :
 1) Still under discussion
- 11) **UNIVERSITY OF NEW SOUTH WALES (UNSW)**
Involved : School of Materials Engineering
Date Signed : 21st July 2006 (Duration 5 Years)
Status of Collaboration Conducted :
 1) Prof. Dr. Veena Sahajwalla (Director of Sustainable Materials Processing Research, UNSW) was appointed as Research Advisor for Sustainable Engineering Cluster.

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- 2) Seorang calon SLAB PPK Bahan telah dihantar ke UNSW untuk menyambung pengajian pada peringkat doktor falsafah.
- 3) Program pertukaran pelajar antara UniMAP dengan UNSW akan dilaksanakan.
- 4) Beberapa orang kakitangan akademik PPK Bahan akan dihantar menyambung pengajian ke UNSW.

12) ADVANCED MICRO DEVICES EXPORT SDN. BHD (AMD)

Penglibatan : PPK Komputer & Perhubungan

Tarikh: 21 Julai 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- 1) Banyak terlibat dalam program yang dijalankan oleh UniMAP seperti Karnival Kerjaya 2006
- 2) Menjadi seorang daripada Ahli Lembaga Pengarah Universiti

13) INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA (FRIM)

Penglibatan : PPK Bioproses

Tarikh: 24 Julai 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- 1) Kerjasama dua hala dalam bidang penyelidikan herba, bertukar idea tentang penyelidikan, mewujudkan penempatan latihan industri dan staf
- 2) Cadangan mengadakan Program 'Bioprospecting' dengan kerjasama antara UniMAP dengan FRIM bertempat di Wang Kelian, Perlis pada Mac 2007. Beberapa universiti seperti UKM, UPM, USM dijangka akan terlibat (Perbincangan awal dengan universiti berkenaan telah diadakan)
- 3) Cadangan mengadakan seminar antarabangsa 'Malaysian International Conference On Essential Oil and Fragrance (MICEOFF)' kali kelima dengan kerjasama FRIM dengan UniMAP pada pertengahan tahun 2007 di Kuala Lumpur.
- 4) Pada masa kini penyelidikan secara kerjasama antara UniMAP dengan FRIM sedang dijalankan iaitu berkaitan dengan pengawalan mutu beberapa herba menggunakan teknologi sensor.

14) HTW AALEN UNIVERSITY

Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)

Tarikh: 5 September 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- 1) Berkerjasama membangunkan hubungan akademik antara kedua-dua pihak
- 2) Program pertukaran pelajar antara UniMAP dengan HTW AALEN dilaksanakan.

15) PRINCE OF SONGKHLA UNIVERSITY

Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)

Tarikh: 13 September 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- 1) Kerjasama dalam membangunkan hubungan akademik antara dua pihak
- 2) Program pertukaran pelajar antara UniMAP dan PSU akan dilaksanakan.

2) A SLAB candidate from the School of Materials Engineering was sent to UNSW for PhD.

3) Students Exchange Programme between UniMAP and UNSW will be conducted.

4) Several academic staff from the School of Materials Engineering will be sent for further studies at UNSW.

12) ADVANCED MICRO DEVICES EXPORT SDN. BHD (AMD)

Involved : School of Computer & Communication Engineering

Date Signed : 21st July 2006 (Duration 5 Years)

Status of Collaboration Conducted :

- 1) 2006 Career Carnival.
- 2) A member of AMD appointed a member of the University Board of Directors.

13) INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA (FRIM)

Involved : School of Bioprocess Engineering

Date Signed : 24th July 2006 (Duration 5 Years)

Status of Collaboration Conducted :

- 1) Two way collaboration in the field of herbal research, exchange of ideas regarding research, industrial training of staff.
- 2) Proposal to conduct 'Bioprospecting' programme in collaboration between UniMAP and FRIM at Wang Kelian, Perlis on March 2007. Several universities such as UKM, UPM, USM are expected to take part. (Earlier discussion with the universities concerned already held)
- 3) Proposal to conduct an international seminar 'Malaysian International Conference On Essential Oil and Fragrance (MICEOFF)' collaboration between FRIM and UniMAP in 2007.
- 4) Research collaboration between UniMAP and FRIM on quality control of several herbs using sensor technology.

14) HTW AALEN UNIVERSITY

Involved : Deputy Vice-Chancellor Office (Academic & International)

Date Signed : 5th September 2006 (Duration 5 Years)

Status of Collaboration Conducted :

- 1) Students Exchange Programme between UniMAP and HTW AALEN

15) PRINCE OF SONGKHLA UNIVERSITY

Involved : Deputy Vice Chancellor Office (Academic & Internationalisation)

Date Signed : 13th September 2006 (Duration 5 Years)

Status of Collaboration Conducted :

- 1) Collaboration in building academic relationship on both sides.
- 2) Students Exchange Programme between UniMAP and PSU

HUBUNGAN INDUSTRI INDUSTRIAL COLLABORATION

16) QUANTUM MATRIX SDN. BHD - (MoA)

Penglibatan : PPK Mikroelektronik

Tarikh: 15 September 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- 1) Kerjasama dua hala untuk menghasilkan produk yang dapat dikomersilkan. Kerjasama yang diketuai oleh PPK Mikroelektronik dengan bantuan PPK Bahan, Pembuatan, Mekatronik, Kilang Mengajar akan menjalankan projek berdasarkan Microelectromechanical System (MEMS)

17) TECHNICAL UNIVERSITY OF CATALUNYA, BARCELONA

Penglibatan : Pejabat Timbalan Naib Canselor (Akademik & Antarabangsa)

Tarikh: 7 November 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- 1) Memulakan projek "Life Long Learning" dengan kerjasama Prince of Songkhla University, Thailand.

18) UNIVERSITY OF YAMANASHI (FACULTY OF ENGINEERING), JEPUN

Penglibatan : PPK Mekatronik

Tarikh: 11 Disember 2006 (Tempoh 5 Tahun)

Status Kerjasama Yang Telah Dijalankan :

- 1) Menjalankan kerjasama penyelidikan IP telephone antara PPK Komputer dengan Yamanashi Universiti
- 2) Penyediaan program MSc dalam bidang Embedded System
- 3) Penghantaran staf UniMAP melanjutkan pengajian peringkat MSc/PhD

19) SELANGOR HUMANCES REOURCES DEVELOPMENT CENTRE (SHRDC) - (MoA)

Penglibatan : PPK Mikroelektronik/CIC

Tarikh: 20 Disember 2006

Status Kerjasama Yang Telah Dijalankan :

- 1) Merupakan kerjasama yang dijalankan antara UniMAP-SHRDC-INFINEON Industrial Skills Enhancement Program (INSEP) 2006. Seramai 18 Peserta mengikuti program yang diadakan. Program ini diadakan mulai 4 Disember 2006 hingga 22 Disember 2006 dan melibatkan kos sebanyak RM 142,840.00

20) PENANG SKILLS DEVELOPMENT CENTRE (PSDC) - (MoA)

Penglibatan : PPK Mikroelektronik/CIC

Tarikh: 20 Disember 2006

Status Kerjasama Yang Telah Dijalankan :

- 1) Merupakan kerjasama yang dijalankan antara UniMAP-PSDC-SILTEA Industrial Skills Enhancement Program (INSEP) 2006. Seramai 20 Peserta akan mengikuti program yang diadakan. Program ini diadakan mulai 2 April 2007 dan ianya melibatkan kos sebanyak RM 171,560.00

16) QUANTUM MATRIX SDN. BHD - (MoA)

Involved : School of Microelectronic Engineering

Date Signed : 15th September 2006 (Duration 5 Years)

Status of Collaboration Conducted :

- 1) Two way collaboration in yielding products for commercialisation. This collaboration is headed by School of Microelectronic Engineering and supported by Schools of Materials Engineering, Manufacturing Engineering, Mechatronic Engineering. The Teaching Factory will conduct the project based on Microelectromechanical System (MEMS)

17) TECHNICAL UNIVERSITY OF CATALUNYA, BARCELONA

Involved : Deputy Vice Chancellor Office (Academic & International)

Date Signed : 7th November 2006 (Duration 5 Years)

Status of Collaboration Conducted :

1. "Life Long Learning" with collaboration also with Prince of Songkhla University, Thailand.

18) UNIVERSITY OF YAMANASHI (FACULTY OF ENGINEERING) JAPAN

Involved : School of Mechatronic Engineering

Date Signed : 11th December 2006 (Duration 5 Years)

Status of Collaboration Conducted :

- 1) Research collaboration on IP telephone between School of Computer Engineering and Yamanashi University
- 2) MSc programme preparation in the field of Embedded System
- 3) Sending of UniMAP staff to further MSc/PhD study.

19) SELANGOR HUMANCES REOURCES DEVELOPMENT CENTRE (SHRDC) - (MoA)

Involved : School of Microelectronic Engineering/CIC

Date Signed : 20th December 2006

Status of Collaboration Conducted :

- 1) Collaboration between UniMAP-SHRDC-INFINEON Industrial Skills Enhancement Program (INSEP) 2006. A total of 18 participants participated in this programme. The programme started on December 4th 2006 until December 22nd 2006 and incurred a cost of RM 142,840.00

20) PENANG SKILLS DEVELOPMENT CENTRE (PSDC) - (MoA)

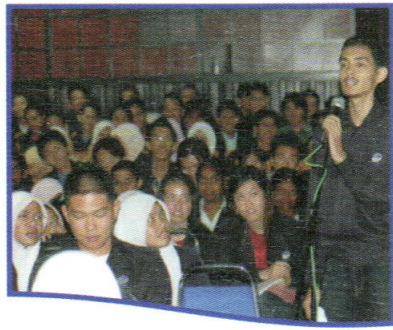
Involved : School of Microelectronic Engineering/CIC

Date Signed : 20th December 2006

Status of Collaboration Conducted :

- 1) Collaboration between UniMAP-PSDC-SILTEA Industrial Skills Enhancement Programme (INSEP) 2006. Twenty participants. The programme will start on April 2nd 2007 and incurring a cost of RM171,560.00

HUBUNGAN INDUSTRI INDUSTRIAL COLLABORATION



IndEx 2006



Techno Centre KHTP



Global E-Technic Sdn Bhd



Starton Industrial

LAWATAN INDUSTRI / INDUSTRIAL VISIT



Majlis Malam Bersama Industri (2005/2006) Eastern & Oriental Hotel, Pulau Pinang
A Night With Industry Occassion (2005/2006) Eastern & Oriental Hotel, Pulau Pinang



Majlis Malam Bersama Industri (2005/2006) PWTC Kuala Lumpur
A Night With Industry Occassion (2005/2006) PWTC Kuala Lumpur

HUBUNGAN INDUSTRI INDUSTRIAL COLLABORATION



Majlis Menandatangani Memorandum Persefahaman (MoU) Antara UniMAP Dan University Of Yamanashi (Faculty of Engineering) Pada 11 Disember 2006
The Signing of Memorandum of Understanding (MoU) Ceremony Between UniMAP and University of Yamanashi (Faculty of Engineering) on December 11th 2006



Majlis Menandatangani Memorandum Persefahaman (MoU) Antara UniMAP Dan HTW Aalen University Pada 5 September 2006
The Signing of Memorandum of Understanding (MoU) Ceremony Between UniMAP and HTW Aalen University on September 5th 2006



Majlis Menandatangani Memorandum Persefahaman (MoU) Antara UniMAP Dan FRIM Pada 24 Julai 2006
The Signing of Memorandum of Understanding (MoU) Ceremony Between UniMAP and FRIM on July 24th 2006



Majlis Menandatangani Memorandum Persefahaman (MoU) Sempena Majlis Santapan Sempena Istiadat Konvokesyen Pertama UniMAP
The Signing of Memorandum of Understanding (MoU) Ceremony In Conjunction with the First UniMAP Convocation Dinner

HUBUNGAN INDUSTRI

INDUSTRIAL COLLABORATION

No.	Bilangan Pelajar / Total of Students	
No.	Nama Syarikat / Company Name	
1	SONY EMCS (MALAYSIA) SDN BHD	05
2	PLEXUS MANUFACTURING SDN BHD	15
3	AJV ELECTRONIC DEVICES (M) SDN BHD	09
4	INTEL TECHNOLOGY (M) SDN BHD	06
5	SOLECTRON TECHNOLOGY SDN BHD	04
6	ROBERT BOSCH (M) SDN BHD	03
7	SIRIM BERHAD PENANG BRANCH PERMATANG PAUH	02
8	SIEMENS VDO INSTRUMENTS MY SDN BHD	02
9	VENTURE SDN. BHD.	04
10	ASE MALAYSIA (M) SDN BHD	02
11	MAGNIBRIDGE SDN BHD	07
12	G-TEK ELECTRONICS SDN BHD	04
13	SPANSION (PENANG) SDN. BHD	04
14	QUANTUM STORAGE SOLUTIONS (M) SDN BHD	01
15	ER MEKATRON SDN BHD	01
16	NORTH MALAYA ENGINEERS TRADING CO. SDN BHD	01
17	ALTERA CORPORATION (M) SDN BHD	02
18	SLESTRONIK SDN BHD	02
19	PRECICO ELECTRONICS SDN BHD	01
20	BENQ TECHNOLOGIES SDN BHD	01
21	SST INTEGRATED TECHNOLOGIES SDN BHD	02
22	B. BRAUN MEDICAL INDUSTRIES SDN BHD	01
23	DAXON TECHNOLOGY SDN BHD	01
24	ELNA PCB (M) SDN BHD	01
25	UC TECHNOLOGY SDN BHD	04
26	ARCPLEX TRADING SDN BHD	01
27	EMERALD SYSTEM SDN BHD	02
28	PENANG PORT COMMISSION	01
29	CELCOM NETWORK SERVICES	01
30	FLEX-P INDUSTRIES SDN. BHD	01
31	KNOWLES ELECTRONICS (M) SDN BHD	01
32	FAIRCHILD SEMICONDUCTOR (M) SDN BHD	01
33	KOBE PRECISION (M) SDN BHD	01
34	AVAGO TECHNOLOGIES (M) SDN BHD	03
35	MALAYSIA SMELTING CORPORATION BERHAD	02
36	SOUTHERN STEEL BERHAD	01
37	MAJLIS PERBANDARAN SBRG.PERAI (MPSP)	02
38	UDA LAND (PERUDA) SDN BHD	01
39	DYNACRAFT INDUSTRIES SDN BHD	02
40	UNIVERSITI SAINS MALAYSIA	01
41	RENASAS SEMICONDUCTOR (M) SDN BHD	03
42	UNISEM (M) BERHAD	06
43	CARSEM (M) SDN BHD	03
44	TM NET PERAK	03
45	TRONOMATIC ELECTRONIC SYSTEMS DESIGNER SB	02
46	SANSU ELECTRONICS (M) SDN BHD, KEMUNTING	06
47	FELCRA HOSE & HOSE SDN BHD	04
48	SIRIM BERHAD IPOH	02
49	TEKNIK JANAKUASA SDN BHD	03
50	TENAGA NASIONAL BERHAD, TELUK INTAN	02
51	RUSCH MANUFACTURING SDN BHD	01
52	MARIWASA KRAFTANGAN SDN BHD	02
53	PUSAT ICT UPSI	01
54	IDS PARK, SERI ISKANDAR	02
55	MULTIMEDIA COLLEGE NORTHERN, PERAK	01
56	LETROMOTIVE (M) SDN BHD	01
57	MMC METAL INDUSTRIES SDN BHD	01
58	NORDENIA-THONG FOOK (MALAYSIA) SDN BHD	01

No.	Bilangan Pelajar / Total of Students	
No.	Nama Syarikat / Company Name	
59	JABATAN KERJA RAYA, PERAK	02
60	EPSILON TECHNOLOGY (M) SDN BHD	01
61	SILVER POINT TECHNOLOGY	01
62	BOUSTEAD ESTATES AGENCY SDN BHD	01
63	GEMILANG MAINTENANCE SERVICES SDN BHD	01
64	CHUN KHONG ENGINEERING TRADE SDN BHD	01
65	M.C. ELECTRIC SDN BHD	01
66	MY ROBOTIC & MACHINE TOOL	01
67	TM CO, O&M, PERAK	03
68	ACCESS TAIPING O&M PERAK	01
69	TNB TAIPING	01
70	BALDA-THONG FOOK SOLUTIONS SDN BHD	01
71	Q-FLEX INDUSTRIES (M) SDN BHD	01
72	HENKEL (MALAYSIA) SDN BHD	01
73	ACME FERRITE PRODUCTS SDN BHD	01
74	JABATAN MINERAL GEOSAINS MALAYSIA	02
75	TMCO PERAK	02
76	TENAGA NASIONAL BERHAD	02
77	JABATAN KERJA RAYA KELANTAN	01
78	LEMBAGA KEMAJUAN PERTANIAN KEMUBU (KADA)	01
79	TM CO NEGERI KOTA BHARU KELANTAN	01
80	PEJABAT TELEKOM MALAYSIA BERHAD	01
81	TM NET SDN BHD (TM NET REG. OFFICE KELANTAN)	01
82	IZZCO TECHNOLOGY	01
83	HOSPITAL UNIVERSITI SAINS MALAYSIA KELANTAN	01
84	POLITEKNIK KOTA BHARU	02
85	PRIMADATA S&C (M) SDN BHD	01
86	JABATAN KERJA RAYA (CAV. ELEKTRIK), KELANTAN	01
87	TENAGA NASIONAL BERHAD, KOTA BHARU KELANTAN	07
88	MALAYSIA AIRPORTS SDN BHD KELANTAN	02
89	MIDACO (M) SDN BHD	02
90	PASIR PUTEH AIR CONDITION &TRADING	01
91	USM KAMPUS KUBANG KERIAN	01
92	MSET SHIP BUILDING CORPORATION SDN BHD	04
93	PERWAJA STEEL SDN BHD TERENGGANU	05
94	SIRIM BERHAD TERENGGANU	02
95	DELPHI PACKARD ELECTRIC (M) SDN BHD	06
96	TELEKOM MALAYSIA BERHAD NEGERI TERENGGANU	01
97	KNS CONSULTANT MECHANICAL & ELECTRICAL ENG.	03
98	NORSHAM INDUSTRIES SDN BHD	02
99	ALLIED CALIBRATION ENG. SERV. SDN BHD	01
100	PROMAT ESM SDN BHD	01
101	JKR CAWANGAN ELEKTRIK, K. TERENGGANU	01
102	PETRONAS PENAPISAN TERENGGANU SDN BHD	02
103	AUTOMOTIVE MANUFACTURING SDN BHD	04
104	TM NET PAHANG	02
105	AEROSPACE TECHNOLOGY SYSTEMS CORP SDN BHD	01
106	MALAYSIA AIRPORT HOLDING BERHAD, PAHANG	01
107	BI TECHNOLOGIES CORPORATION SDN BHD	02
108	PASCORP PAPER INDUSTRIES SDN BHD	01
109	VACUUMSCHMELZE (M) SDN. BHD	01
110	SPECIFIC RESOURCES SDN BHD	04
111	BRIDGESTONE COMPOSITE	01
112	MTD PRIME SDN BHD	01
113	PENJOM GOLD MINES KUALA LIPIS	04
114	PANASONIC AVC NETWORKS (J) MALAYSIA SDN BHD	03
115	FLAIRIS SDN BHD	02
116	STMICROELECTRONICS SDN BHD	01

HUBUNGAN INDUSTRI

INDUSTRIAL COLLABORATION

No.	Bilangan Pelajar / Total of Students	Nama Syarikat / Company Name	
117		INTAN, KAMPUS WILAYAH SELATAN, JOHOR	01
118		TM CO JOHOR	02
119		PEJABAT PENGARAH KERJARAYA JOHOR	01
120		JK WIRE HARNESS SDN BHD	01
121		SPARKLE PRECISION SDN BHD	01
122		POSSEHL ELECTRONIC (M) SDN BHD	01
123		SB SERVICES SDN BHD	02
124		EXQUISITE PRODUCTS MANUFACTURING (M) SB	01
125		VENTURE TECHNOLOGY SDN BHD	01
126		PANASONIC COMMUNICATION (M) SDN BHD	02
127		TM KLUANG	01
128		PERUSAHAAN SADUR TIMAH (PERSTIMA) BHD	02
129		PETRONAS GAS BERHAD, JOHOR	01
130		TECHNOCOM SYSTEM SDN BHD	01
131		ON SEMICONDUCTOR (SCG INDUSTRIES M SDN BHD)	03
132		SAMSUNG CORNING (M) SDN BHD	02
133		ALPS ELECTRIC (M) SDN BHD	01
134		TOYODEMPA (M) SDN. BHD	01
135		XYRATEX (M) SDN BHD	01
136		TELEKOM SEREMBAN	01
137		JOHAN CERAMICS BERHAD	01
138		JKR CWGN MEKANIKAL, NEGERI SEMBILAN	01
139		TEXAS INSTRUMENTS INCORPORATED	01
140		TELEKOM, SABAH	01
141		SABAH FOREST INDUSTRIES SDN BHD	01
142		JABATAN PERKHIDMATAN KOMPUTER NEGERI SABAH	02
143		IRAMAHIR SDN BHD	01
144		SABAH ELECTRICITY SDN BHD	03
145		GUOCERA TILE INDUSTRIES SDN BHD.	01
146		JKR KOTA KINABALU	02
147		PEMBINAAN SOUTHERN JADI SDN BHD	01
148		TELEKOM MALAYSIA BERHAD, O&M, TAWAU	01
149		SIRIM BERHAD, SARAWAK	02
150		1ST SILICON (MALAYSIA) SDN. BHD.	01
151		CMS CEMENT SDN BHD	02
152		SANMINA-SCI CORPORATION (M) SDN. BHD	01
153		CYBERTECH INFORMATION SYSTEMS, SARAWAK	03
154		JKR KUCHING	02
155		KKB ENGINEERING BERHAD	01
156		CELCOM TIMUR (SARAWAK) SDN BHD, KUCHING	01
157		CELCOM TIMUR (SARAWAK) SDN BHD, MIRI	01
158		MMC OIL & GAS ENGINEERING SDN. BHD	03
159		PLUS EXPRESSWAYS BERHAD	02
160		ABL SECURITY SDN BHD [MALAYSIA]	05
161		STATS CHIPPAK MALAYSIA SDN BHD	04
162		APEX COMMUNICATIONS GROUP	07
163		VANGUARD ELECTRONICS SDN BHD	03
164		MALAYSIAN CENTRE FOR REMOTE SENSING	03
165		PETRONAS CARIGALI SDN BHD	01
166		KUALA LUMPUR RAPID TRANSIT SYSTEM (RAPIDKL)	05
167		TM NET SDN BHD, KL	03
168		LGD HITECH CORPORATION SDN BHD	01
169		SAPURA DEFENCE SDN BHD	01
170		FELDA ENGINEERING SERVICES SDN BHD	01
171		UEM CONSTRUCTION SDN BHD	01
172		GHD PERUNDING (M) SDN BHD	01
173		TNB, KUALA LUMPUR	01
174		PROJEK PENYELENGGARAAN LEBUHRAYA BERHAD	04

No.	Bilangan Pelajar / Total of Students	Nama Syarikat / Company Name	
175		GOLDEN HOPE PLANTATIONS BERHAD (PENINSULAR)	01
176		JABATAN KERJA RAYA WILAYAH PERSEKUTUAN, KL	01
177		RENTAK JITU PROJECT MANAGEMENT SDN BHD	01
178		ANTARA ELEKTRIK SDN BHD	02
179		EDICT ELECTRONIC SDN BHD	01
180		TECHNIP GEOPRODUCTION (M) SDN BHD	01
181		JALINAN RAKYAT SDN BHD	01
182		CAIRO, UTM JALAN SEMARAK	01
183		AMPANG PRESS SDN BHD	01
184		MIMOS SEMICON. MAINTEN.	01
185		TRANS- DIST ENGINEERING SDN BHD	03
186		SYMMID CORPORATION SDN BHD	01
187		PERUNDING PADUREKA SDN BHD	01
188		NUVO DINAMIK SDN BHD	01
189		MIMOS BERHAD	09
190		SONY EMCS (MALAYSIA) SDN. BHD	09
191		FREESCALE SEMICONDUCTOR (M) SDN BHD	11
192		PERNEC CORPORATION BERHAD	04
193		TELEKOM RESEARCH & DEV. SDN BHD, SELANGOR	07
194		SIRIM BERHAD SHAH ALAM	02
195		UCHIDA MK SDN BHD	03
196		MPOB	05
197		UTUSAN PRINTCORP SDN BHD	05
198		AUTOVISOR PLASTICS SDN BHD	01
199		PRESS METAL BERHAD	02
200		T & K AUTOPARTS SDN BHD	02
201		POLYMATECH (M) SDN BHD	01
202		DELLOYD INDUSTRIES (M) SDN BHD	01
203		AUTOJACK SDN BHD	02
204		ALUMAC INDUSTRIES SDN BHD	03
205		CONTINENTAL SIME TYRE PJ SDN BHD	01
206		NEO DEPARTMENT, MAXIS MOBILE	01
207		PANASONIC AVC NETWORKS KL MALAYSIA SDN. BHD	01
208		AXIOMATIC SOLUTIONS SDN BHD	02
209		AKN MESSAGING TECHNOLOGIES BHD	01
210		HEITECH PADU BHD	01
211		COFRETH (M) SDN BHD	02
212		SATANG JAYA SDN BHD	01
213		INTEGRATED WAREHOUSE SDN BHD	01
214		TELEKOM MALAYSIA, O&M SELANGOR	01
215		MAMPU, PUTRAJAYA	05
216		INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA	01
217		SOLUTION ENGINEERING SDN BHD	01
218		MAHKOTA TECHNOLOGIES SDN BHD	01
219		SME ORDNANCE SDN BHD	01
220		BQE ENGINEERING SDN BHD	01
221		ZANWA SDN BHD	02
222		MAHIR BIDARA SDN BHD	02
223		TERACHI ELECTRICAL SERVICES SDN BHD	02
224		TURBINS TECHNIQUE (M) SDN BHD	01
225		RAMUSA ENGINEERING SDN BHD	01
226		DENSO (M) SDN BHD	01
227		HITACHI ELECTRONICS PRODUCTS (M) SDN BHD	01
228		HITACHI AIR CONDITIONING PRODUCTS (M) SDN BHD	01
229		DIGISTAR HOLDINGS SDN BHD	01
230		CONTROLLER AREA NETWORK SOLUTION	02
231		VEPRO GROUP SDN BHD	01
232		PRO-E AUTOMATION SDN BHD	01

HUBUNGAN INDUSTRI

INDUSTRIAL COLLABORATION

No.	Bilangan Pelajar / Total of Students	
	Nama Syarikat / Company Name	
233	ORIENTAL METAL INDUSTRIES	02
234	ORIENTAL SUMMIT INDUSTRIES SDN BHD	01
235	ASTRONAUTIC TECHNOLOGY (M) SDN BHD	01
236	AJW SWIFT AUTOPARTS	03
237	ISITO TECHNOLOGY SDN BHD	04
238	TOSHIBA ELECTRONICS (M) SDN BHD	03
239	TRANSMILE AIR SERVICES	02
240	AIRGATE (M) SDN BHD	01
241	JAQUES (INTERNATIONAL) SDN BHD	01
242	ADVANCE TECHNOLAB ENGINEERING SDN BHD	01
243	ZYNIX ORIGINAL SDN BHD	01
244	PERODUA ENGINE MANUFACTURING SDN BHD	01
245	INGRESS TECHNOLOGIES SDN BHD	01
246	SME AEROSPACE SDN BHD	01
247	LEMBAGA GETAH MALAYSIA (RRIM)	02
248	POWERCOOL M&E ENGINEERING SDN BHD	02
249	SIRIM BERHAD RAWANG	01
250	TOP GLOVE SDN BHD	01
251	HICOM ENGINEERING SDN BHD	03
252	MYCRON STEEL CRC SDN BHD	03
253	ALUMINIUM COMPANY OF MALAYSIA BERHAD	01
254	MOEM HOLDINGS SDN BHD	01
255	BESTARI AIRCOND	01
256	PETRONAS R&D SDN BHD	01
257	MALAYSIAN INSTITUTE FOR NUCLEAR TECHNOLOGY	02
258	GOODYEAR MALAYSIA BERHAD	01
259	SEKSYEN ICT, UNIT PERANCANG EKONOMI, JPM	03
260	SAFF CONSULTANT	02
261	UT GENERATION SDN BHD	01
262	AMPSTON ELECTRIC CORPORATION SDN BHD	01
263	CEMENT INDUSTRIES OF MALAYSIA BHD (CIMA)	03
264	TELEKOM PERLIS	02
265	KILANG GULA FELDA PERLIS SDN BHD	02
266	JABATAN KERJA RAYA PERLIS (JKR)	07
267	MEDIQUIP SDN BHD (59184K)	02
268	HPA INDUSTRIES SDN BHD	02
269	MERANTI SOFTWARE ENGINEERING	01
270	NADI ARA MECHANICAL & ELECTRICAL	01
271	GLOBAL E-TECHNIC SDN BHD	01
272	SHORUBBER (MALAYSIA) SDN BHD	04
273	PENS INDUSTRIAL SDN BHD	02
274	KULIM TECHNOLOGY MANAGEMENT SDN BHD	02
275	PROPERTIME SDN BHD	04
276	CONTINENTAL SIME TYRE	05

No.	Bilangan Pelajar / Total of Students	
	Nama Syarikat / Company Name	
277	SIRIM AMREC	06
278	ASIAN COMPOSITE MANUFACTURING (ACM)	02
279	AIC SEMICONDUCTOR SDN BHD	03
280	SILTERRA MALAYSIA SDN BHD	03
281	ONKYO ELECTRIC (M) SDN BHD	01
282	HOE HENG ENGINEERING SDN BHD	01
283	INOKOM CORPORATION SDN BHD	06
284	BARD SDN BHD	01
285	TELEKOM MALAYSIA KEDAH/PERLIS (ALOR STAR)	01
286	PAN NORTHERN AIR SERVICES SDN BHD	01
287	PUSAT ICT, PEJABAT SUK NEGERI KEDAH	03
288	MARCONI (M) SDN BHD	01
289	MAGNA INSTRUMENTS SDN BHD	01
290	REBAK SENARI ELECTRICAL & ENGINEERING	01
291	WARNA RS SDN BHD, SUNGAI PETANI	01
292	MALAYSIA NPK FERTILIZER SDN BHD	01
293	PERUNDING IZA'D BHD	02
294	BARISAN JURUTERA PERUNDING SDN BHD	02
295	TENAGA NASIONAL BERHAD, ALOR STAR	01
296	JABATAN KERJA RAYA (ELEKTRIK) KEDAH	06
297	SHARP-ROXY CORPORATION (M) SDN BHD	04
298	M.I.T.C RESOURCES SDN BHD	01
299	PERTABINA FUTURE SC&INNOVATIVE SDN BHD	01
300	HICOM-HONDA MANUFACTURING	01
301	DXN MARKETING (M) SDN BHD	01
302	SR TECHNOLOGY SDN BHD	01
303	TT MEGASTAR TRADING	01
304	LD TECHNOLOGIES SDN BHD	02
305	MALAYSIA AIRPORT SDN BHD	01
306	FOREMOST AUDIO SDN. BHD	01
307	LAFARGE MALAYAN CEMENT BERHAD	01
308	MARDI	01
309	JABATAN KERJA RAYA (DAERAH BALING)	01
310	PERWAJA STEEL SDN BHD, GURUN	01
311	MAJOR INTEREST SDN BHD	01
312	LEMBAGA KEMAJUAN PERTANIAN MUDA (MADA)	01
313	INTEL TECHNOLOGY (M) SDN BHD	01
314	PPK TECHNOLOGY SDN BHD	03
315	JABATAN KERJA RAYA (ELEKTRIK), MELAKA	01
316	CENTRAL CABLES BERHAD	01
317	PANASONIC MATSUSHITA PRECISION	01
318	KOA DENKO (M) SDN BHD	01
319	RUBBER LEISURE PRODUCTS SDN.BHD	01