

No	Course	Lecturer's Name	Qualification
40	Surveying	Jasni Md Zain	Bach. Degree (Land Administration)
41		Syurina Samsudin	Diploma (Civil Engineering)
42		Aminullah Mat Ali	Diploma (Land Surveying)
43		Mohd Salleh Muhammad	Diploma (Land Surveying)
44		Che Mat Noor B. Che Ibrahim	Diploma (Land Surveying)
45		Mohamad Abdul Rahman	Diploma (Land Survey)
46		Mahatir Sayuddin	Diploma (land Surveying)
47		Mohd Fikri Ismail	Diploma (Land Surveying)
48		Mohamad Idris Ali	Diploma (Land Surveying)

Community College Alor Gajah

No	Course	Lecturer's Name	Qualification
1	Information Technology	Zainab Othman	Bach. Degree (Architecture)
2		Mohd Hatta Zainal	Bach. Degree (Architecture)
3		Abd Aziz Talib	Bach. Degree (Agricultural Science)
4		Mohd Rahim Mahmood	Bach. Degree (Education)
5		Jamaluddin Mohd Ali	Bach. Degree (Science)
6		Fuhaldi Zulfifil	Bach. Degree
7		Khairul Annuar Mohd	Bach. Degree (Electrical Engineering)
8		Jasmi Abu Talib	Bach. Degree
9		Mohd Zufri Yasid	Bach. Degree (Information Technology)
10		Zarina Wahid	Bach. Degree
11		Shuhalla Azmi	Bach. Degree

Community College Bukit Beruang

No	Course	Lecturer's Name	Qualification
1	Automotive	Mohd Sharuddin bin Omak	Diploma (Mechanical Engineering)
2		Mohd Hisitam Mokhtar	Diploma (Mechanical Engineering)
3		Zulaili b Ismail	Diploma (Mechanical Engineering)
4		Mohd Sani Mohd	Diploma (Mechanical Engineering)
5		Shaninan b Saad	Diploma (Mechanical Engineering)
6		Halpman b Omap	Bach. Degree (Mechanical Engineering)
7		Ashairi Hassan	Diploma (Mechanical Engineering)
8		Ikmal Saadon	Diploma (Mechanical Engineering)
9	Electrical Engineering	Fasihah Arshad	Diploma (Electrical Engineering)
10		Mohamad Rizal Mohamad Taib	Diploma (Electrical Engineering)
11		Saharizan Che Mat	Diploma (Electrical Engineering)
12		Aman Zawi Mamat	Diploma (Electrical Engineering)
13		Md Emran B Ssaira	Diploma (Electronics Engineering)
14		Ahmad Fartz Fauzi	n.a.
15		Norasid Majid	Bach. Degree (Electrical Engineering)
16		Siti Jullana Uman	Bach. Degree (Electrical Engineering)
17		Mohd Zulkamain Ahmad	Diploma
18	Fashion & Garments	Noor Azizah Abu	Bach Degree (education)
19		Mariam Abu	Diploma
20		Norfarizah Abd Jalil	Diploma
21		Salbiah Wan Chik	Certificate
22		Nadiyah Mohd	Diploma
23		Zarina Yusof	Diploma
24		Haslinda Mohd Saleh	Diploma
25		Norain Abd Rashid	Diploma
26		Ho Poh Yen	Diploma
27	Hotel & Catering	Mohd Nur Hazly Harun	Bach. Degree (Hotel Management)
28		Sazuan Nazleen	Bach. Degree (Food Service Management)
29		Rohani Mohd Ali	Bach. Degree (Food Service Management)
30		Zurizawati Naim	Bach. Degree (Hotel Management)
31		Azizah Idris	Bach Degree (Education)
32		Zafarul Aswad Talib	Diploma (Culinary Art)
33		Bilquls Zsa Zsa Khassogi B. Mustapah	Certificate
34		Mohd Azmi Khalid	Diploma

Community College Darulaman

No	Course	Lecturer's Name	Qualification
1	Architecture	Che Hasnah Bt. Yaakob	Diploma
2		Farawahida Abdullah	Diploma
3		Fazlan Amini Zulkifli	Diploma
4		Hamidah Kamils	Diploma
5		Kalsom Othman	Diploma
6		Mohammad Huzaimi Abdul Rashid	Diploma
7		Mohd Shahrin Abdul	Diploma
8		Ramu Velusamy	Diploma
9		Zu Amali Harun	Diploma
10		Mazuin Hamzah	Diploma
11	Automotive	Kiwamuddin Othman	Bach. Degree (Mechanical Engineering)
12		Radzuan Salih	Bach. Degree (Mechanical Engineering)
13		Abdul Rashid Abd Rahman	Bach. Degree (Mechanical Engineering)
14		Mohd Hazmi Abd Hamid	Bach. Degree (Mechanical Engineering)
15		Muhammad Amirul Abdullah	Bach. Degree (Mechanical Engineering)
16		Mazrul Nizan Mustafa	Diploma (Mechanical Engineering)
17		Ahmad Nazli Md Dawan	Diploma (Mechanical Engineering)
18		Roslan Awang	Diploma (Mechanical Engineering)
19	Computer System	Hj Rosli Mohd Arif	Bach. Degree (Electrical Engineering)
20		Siti Wahidah Aris	Diploma (Electrical Engineering)
21		Hasnorliza Abd Hamid	Diploma (Electrical Engineering)
22		Zulhana Zulkifli	Bach. Degree
23		Mazuin Stapah	Bach. Degree (Electrical Engineering)
24		Aida Faizura Aminuddin	Bach. Degree (Electrical Engineering)
25		Abdul Aziz Nasir	Bach. Degree (Information System)
26		Tan Kok Yang	Bach. Degree (Computer Engineering)
27	Azfariza Azizi	Bach. Degree (Information System)	
28	Electrical Engineering	Asmah Othman	Bach Degree (Electrical & Electronics)
29		Hairun Nani Harun	Bach. Degree (Electronics Engineering)
30		Afzainizam Alias	Diploma
31		Azrul Shuib	Diploma
32		Hasina Hashim	Diploma
33		Nor Azira Mohd Yusof	Diploma
34		Salleh Murshidi Basharuddin	Diploma
35		Suraya Abu Seman	Diploma
36		Turina Tumeran	Diploma
37		Roblah Zakaria	Diploma (Electrical Engineering)
38	Rahim Mohd Ramli	Diploma	

Community College Hulu Selangor

No	Course	Lecturer's Name	Qualification
1	Computer Engineering	Rozima Khalid	Bach. Degree (Electrical Engineering)
2		Jamelalah Mohd Alias	Bach. Degree (Electrical Engineering)
3		Mohd Sapawi Mohdisa	Bach. Degree (Technical Engineering)
4		Seri Wati Said	Bach. Degree (Mechanical Engineering)
5		Ahmad Fadzil Arif	PhD (Computer Engineering)
6		Mazniza Sulaiman	Bach. Degree
7		Wan Khazlina Wan Mohd	Bach. Degree
8		Rosni Hamat	Bach. Degree
9		Siti Noohani Mohd Khardi	Bach. Degree
10		Abdul Hamid Watan	Diploma
11		Mohd Khalry	Diploma
12		Sharifah Ramzan	Diploma

Community College Jelebu

No	Course	Lecturer's Name	Qualification
1	Electrical Engineering	Mohd Jahidi Rosli	Bach Degree (Education)
2		Mohd Asri Hashim	Diploma (Electrical Engineering)
3		Rislan Hasan	Diploma (Electrical Engineering)
4		Mohamed Jamrus Ujang	Diploma (Vocational Teaching)
5		Zaryati Zaini	Diploma (Electronics Engineering)
6		Siti Hazura Zainal	Bach. Degree (Electrical Engineering)
7		Noorashikin Othman	Bach. Degree (Technical Teaching)
8		Mohd Norbi Bahari	Bach. Degree (Technical Teaching)
9		Nooraziah Abd Aziz	Bach. Degree (Technical Teaching)

Community College Kepala Batas

No	Course	Lecturer's Name	Qualification
1	Architecture	Mohd Munawir Abd Majid	Bach. Degree (Applied Science)
2		Khor Meng Keang	Bach. Degree (Civil Engineering)
3		Sazali Saidin	Bach. Degree
4		Siti halda Haris	Diploma (Civil Engineering)
5		Syahilda Ilyas	Diploma (Civil Engineering)
6		Mohd Shuhalu Mohd Shaif	Diploma (Architecture)
7		Ruszitta Darus	Diploma (Architecture)
8		Norlin Ibrahim	Bach. Degree (Architecture)
9		Sharifah Ruznisa	Bach. Degree (Technical Teaching)
10	Automotive	Mohd Zikris Ramli	Diploma (Mechanical Engineering)
11		Meor Hamzah Mohd Zanawi	Diploma (Mechanical Engineering)
12		Kaslia Kasirau	Bach. Degree (Electrical Engineering)
13		Hafizah Raslan	Bach. Degree (Education)
14		Tey Choon Beng	Bach. Degree (Mechanical Engineering)
15		Ahmand Azlan Mohd	Bach. Degree (Mechanical Engineering)
16		Zahrul Zakaria	Bach. Degree (Mechanical Engineering)
17	Integrated Production	Salahuddin Yusof	Bach. Degree (Mechanical Engineering)
18		Alwakir Hamid	Bach Degree (Mechanical Engineering)
19		Sri Rahayu Rahamab	Bach. Degree (CAD/CAM Engineering)
20		Roazam Ahmad	Bach. Degree (Mechanical Engineering)
21		Robert Kerk Swee Tan	Bach. Degree (Mechanical Engineering)
22		Azizor Duralim	Diploma (Mechanical Engineering)
23	Multimedia	Siti Aishah Jaafar	Bach. Degree (Computer Science)
24		Razlan Burhanuddin	Bach. Degree (Industrial Design)
25		Nor Ashikin Abu Bakar	Bach Degree (Graphic Design)
26		Masyanti Noor Rehan	Bach. Degree (Multimedia)
27		Rosmaniza Abd rani	Diploma (Electrical Engineering)
28		Azman Hashim	Bach. Degree (Industrial Design)
29		Salbiah Rumin	Bach. Degree
30		Aziz Tamimi	Diploma
31		Mohd Sukri Abd Rahim	Diploma

Community College Mentakab

No	Course	Lecturer's Name	Qualification
1	Information Technology	Ahmad Nor Annuar	Bach. Degree (Computer Science)
2		Rosnawi Abu Bakar	Bach. Degree
3		Synfizwan Nizam	Masters Degree (Vocational Teaching)
4		Sujana Mohd	Masters Degree (Education)
5		Ahmad Muzaffar Che Lah	Bach. Degree (Technical Teaching)
6		Sokim Nolina Anuar	Bach. Degree (Technical Teaching)
7		Baharul Nizam	Diploma
8		Siti Faridah	Diploma
9		Rohim Zainol	Diploma
10		Noraniza Rahim Ngah	Diploma

Community College Paya Besar

No	Course	Lecturer's Name	Qualification
1	Information Technology	Nonazica Hashim	Bach. Degree (Computer Science)
2		Hamidah Hamdan	Bach. Degree (Computer Science)
3		Bazuru Ghani	Bach. Degree (Information Technology)
4		Sharifuddin Zulkifli	Bach. Degree (Information Technology)
5		Zaitun Ismail	Masters Degree (Education)
6	Multimedia	Khairul Nizam Khairuddin	Diploma (Design)
7		Farid Azam Zuhilmi	Diploma (Electrical Engineering)
8		Norshuhadah Mahadi	Diploma (Graphic Design)
9		Wan Nor Syazwanlbt Wan Omar	Bach. Degree (Computer Science)
10		Mohd Nazi Mohd Latip	Bach. Degree (Graphics)

Community College Sungai Siput

No	Course	Lecturer's Name	Qualification
1	Information Technology	M. E. Chandra	Bach. Degree (Information Technology)
2		Rabial Ismail	Bach. Degree (Information Technology)
3		Roshidah Ismail	Bach. Degree (Information Technology)
4		Mahammad Hatta Ibrahim	Bach Degree (Information Technology)
5		Akma Che Ome	Diploma (Information Technology)
6		Nor Salasiah Mohd Rashid	Diploma (Information Technology)

IKM Alor Setar

No	Course	Lecturer's Name	Qualification
1	Civil Engineering	Tojiman Kasir	Advanced Diploma
2		Azizun Jamian	Diploma
3		Wan Ghazali Wan Muda	Higher National Diploma
4		Mohd Izham Zainal	Certificate
5		Wan Mohd Wan Yahya	Certificate
6		Zuralna Ismail	Certificate

IKM Besut

No	Course	Lecturer's Name	Qualification
1	Electronic Engineering	Zamadi Abdul Ghani	Bach. Degree (Electrical & Electronics)
2		Mohd Khairun Naim	Bach. Degree (Electrical & Electronics)
3		Rohaidah Ruzail	Diploma (Electrical & Electronics Engineering)
4		Mohd Ubaidullah Yunus	Higher National Diploma (Electronics)
5		Nik Lukman Hj Nik Soh	Higher National Diploma (Electronics)
6		Roslan Salleh	Higher National Diploma (Electronics)
7		Wan Yusof Wan Mohamad	Higher National Diploma (Electronics)
8		Zalhasra Abd Murad	Higher National Diploma (Electronics)

IKM Jasin

No	Course	Lecturer's Name	Qualification
1	Automotive	Mohd Zin Embok	Advanced Diploma
2		Wan Nordin Wan Hasan	Advanced Diploma (Education), USA
3		Mohd Nazif Mohd Baharudin	Bach. Degree (Mechanical Engineering)
4		Mohd Hazien Ramli	Bach. Degree (Mechanical Engineering)
5		Md Najib Ismail	Certificate
6		Md Zaidee Layani	Diploma (Automotive Mechanics)
7		Hamzah Johari	n.a.
8		Othman Rofil	n.a.
9		Madzlan Mohd Nor	n.a.
10		Mazelan Abdullah	n.a.
11		Mohd Nor Jilis	n.a.
12		Ahmad Lukman Hitam	Bach. Degree (Mechanical Engineering)

No	Course	Lecturer's Name	Qualification
13		Othman Abd Malik	Certificate
14		Mohd KH	Certificate
15		Abdullah Seman	Certificate
16		Iti Zahrullait	Diploma
17		Mohamad Ismail	Diploma
18		Zahasia Mat Saman	Diploma
19		Zaifullizan Mohd Yusoff	Certificate
20		Mohamad Md. Said	Certificate
21		Muhammad Ismail	Certificate
22		Roslan Talib	Certificate
23		Tg Ahmad Shukri	Certificate
24		Mohd Asmadi Iduiwan	Certificate
25		Mohd Sabri Mohd Din	Certificate
26		Nor Aminuddin Tarmuji	Certificate
27		Umar Ahmad	Certificate
28		Zahasia Sulaiman	Certificate
29		Azizan Man	Certificate
30		Kemaruzaman Yusop	Certificate
31		Mohd Khir Abdullah	Certificate
32		Mokhtar Bashir	Certificate
33		Mokhtar Tahir	Diploma (Auto Electrical Engineering)
34		Mohd Hashim Mohd Zain	n.a.
35	Electrical Engineering	Ismail Hassan	n.a.
36		Salyidlla Hamat	Diploma (Electrical Power)
37		Zalnal Abidin Abu	A4 Chargeman, PW2 Wireman Certificate
38		Aspi Abd Moln	PW2 Wireman Certificate
39		Saidin Jusoh	PW4 Wireman Certificate
40		Zalfapuddin Ali	PW4 Wireman Certificate
41	Electrician	Ami Azman Hamid	Higher National Diploma
42		Mazliya Mohd Badaron	Higher National Diploma
43		Mali Tambi	Wireman Certificate
44		Mohd Anis Mokhtar	Wireman Certificate
45		Hisham Sollah	Wireman Certificate
46		Othman Mohamad	Wireman Certificate
47	Mechanical Engineering	Mohamad Khairudin Hassan	Diploma (Mechanical Engineering)
48		Mohd Azilm Mat Sharif	Diploma (Mechanical Engineering)
49		Mustafar Muhammad	Diploma (Mechanical Engineering)
50		Affandy Zakaria	Diploma (Administration)
51		Omar Johari	Diploma
52		Mohd Suhaimi Sbu Hassan	Diploma (Mechanical Engineering)
53		Marlah Kandong	Certificate
54		Azizah Ujang	Certificate
55		Rashidin Salleh	Certificate
56		Ismail Labu Sari	Certificate
57		Zulkifli Sayuti	Diploma
58		Mohd Humalzee Misman	Diploma
59		Jaafar Yahya	Certificate
60		Muhammad Jaafar	Certificate
61		Khairul Izhah Ahmad Rasldi	Certificate
62		Mohridz Mazlan	Certificate
63		Johanbin Mat Nayan	Certificate
64		Abu Chaim Abd Rahman	Certificate
65		Abdullah Yayha	Certificate
66		Mohd Yusoff Mohd Sharif	Diploma
67		Roslan Abd Jalil	Certificate
68		Mustapha Murad	Diploma
69		Norhanisah Mustakim	Diploma
70		Mohd Latif Mastan	Diploma

No	Course	Lecturer's Name	Qualification
71	Welding & Fabrication	Rosman Mohd	Diploma (NITP)
72		Derus Hussin	Diploma
73		Jumabl Gimam	Diploma
74		Hamid Asri	Higher National Diploma
75		Mayzan Mansor	Higher National Diploma
76		Ibrahim Kamsan	Certificate (Technical Teaching)
77		Osman Jalani	Diploma

IKM Johor Bahru

No	Course	Lecturer's Name	Qualification
1	Electrical Engineering	Zainal Abdin Alimi	Bach Degree (Telecommunication)
2		Mohd Hazedl Hussein	A4 (Chargeman) Certificate
3		Norazhar Hj Mohd Anuar	Certificate (Electrical & Electronics)
4		Azlihan Abd Aziz	Certificate (Electrical Engineering)
5		Hanafi Che Halim	Certificate (Electrical Engineering)
6		Khamelrun Shah Mat Jamil	Certificate (Electrical Engineering)
7		Zulisham Abd Hamid	Certificate (Electrical Engineering)
8		Bisman bin Wagiman	Certificate (Electrical Engineering)
9		Sitaram Karuplah	Certificate
10		Jamil Bahrin	Diploma (Electrical Engineering)
11	Electronics Engineering	Ja'aris Samsudin	Bach Degree (Electrical Engineering)
12		Hamimi Omar	Certificate (Pedagogy)
13		Imi Yuzniza Harun	Higher National Diploma (Electronics)
14		Jaafar Mat dahlan	Higher National Diploma (Electronics)
15		Norman Mohd Noh	Higher National Diploma (Electronics)
16		Sharis Miskan	Higher National Diploma (Electronics)
17		Syed Hilmi Syed Abd Rahman	Higher National Diploma (Electronics)
18		Asmawi Mispan	Certificate (Technical Teaching)
19		Nor Rizam Che Ngah	Certificate (Technical Teaching)
20		Rohana Sahara	Certificate (Technical Teaching)
21		Johari Desa	Certificate (Technical Teaching)
22	Marine Engineering	Asdian Hazree Aladin	Diploma (Mechanical Engineering)
23		Mohd Said Jaffar	Higher National Diploma
24		Abd Aziz B. Man	Certificate
25		Sabri Muhammad	Certificate
26		Zazah Jahari	Certificate
27		Razali Abu Bakar	SPM (Form 5)
28	Mechanical Engineering	Manap Abd Razak	Advanced Diploma
29		Zamari Ambia	Advanced Diploma
30		Zabhin Mohd Arbal	Bach. Degree (Chemical Engineering)
31		Abd Athar B. Ibrahim	Bach. Degree (Electric Engineering)
32		Wan Jazlan Zhuhairi	Bach. Degree (Electric Engineering)
33		Mohamad Zaki Mohamad	Bach Degree (Gas & Chemical)
34		Khir Annuar Mokhtar	Diploma (Electrical Engineering)
35		Abd Hadl Moro	Diploma (Electrical Engineering)
36		Abd Halim Nizam B. Hj. Abdullah	Diploma (Machinne Maintenance)
37		Hindan Omar	Certificate
38		Norhaslim Eskan	Certificate
39		Zamlri mat Plah	Advanced Diploma
40		Ahmad Halim Bahari	Certificate
41		Mohd Irwan Ismail	Certificate
42		Norhamizah Hamzah	Certificate
43		Norazni Samiran	Certificate (Mechanical Engineering)
44		Muhammad Nizam Saruman	Certificate (Mechanical Engineering)
45	Mechatronics	Saiful Azmin Tumin	Bach Degree (Electrical Engineering)
46		Zafrina Abdullah	Higher National Diploma (Mechatronics)
47		Hafidah Mohd noor	Diploma (Electronics Engineering)
48		Mohamad Faisal Zainal Abdin	Diploma (Mechanical Engineering)

No	Course	Lecturer's Name	Qualification
49		Zaidi Mat Zainuddin	Diploma (Mechatronics Engineering)
50		Noranizah Bujal	Diploma (Maintenance Technology)
51		Zakaria Pahdil	Diploma (Electrical Engineering)
52	Production Engineering	Jamaluddin Md Dan	Advanced Diploma
53		Selkardin Ismail	Diploma
54		Jamaludin Inmat	Higher National Diploma
55		Othman Jalal	Higher National Diploma
56		Azmar Ahmad	Diploma
57		Fazal Iskani	Certificate
58		Jamaluddin Bang	Diploma
59		Refrigerator & Air Condition	Marzuki Mohd Radzi
60	Azman Ali		Bach. Degree (Mechanical Engineering)
61	Nuradzura Ahmad		Diploma (Electrical Engineering)
62	Mohd Hatta Mohd Hassan		Higher National Diploma
63	Zainon bin Zakaria		Higher National Diploma
64	Mohd Hatta Abdul Razak		Diploma (Electrical Engineering)
65	Razali Hamzah		Diploma (Electrical Engineering)
66	Surianawati Abdullah		Diploma (Electrical Engineering)
67	Telecommunication Engineering		Siti Khamawati Mohd Noor
68		Zahemi Azul Islami	Diploma (Electrical Engineering)
69		Nazillah Zainuddin	Higher National Diploma (Electronics)
70		Choiril Anwar	Higher National Diploma (Electronics)
71	Welding & Fabrication	Zolkafli Othman	Advance Diploma
72		Ibrahim Sulaiman	Higher National Diploma
73		Roslee Khamis	Certificate
74		Hasnan Hamzah	Certificate
75		Nordin Mohd	Certificate
76		Ahmad Nizam Omar	Certificate
77		Alamshah Dol Suhaifi	Certificate
78		Mansor Ibrahim	Certificate
79		Ayub Sanl	SPVM

IKM Sungai Petani

No	Course	Lecturer's Name	Qualification
1	Building Engineering	Mahazan Abdullah	Diploma
2		Azme Abdul Majeed	Diploma
3		Md Yusof Abu Yaziz	Diploma
4		Abd Wahad B Mohamad	Certificate
5		Abdul Halim Abdul Hamid	Certificate
6		Rosli Arsad	Diploma
7		Azizan Ahmad	Certificate
8		Elais Ibrahim	Certificate
9		Rumli Mat On	Certificate
10	Civil Engineering	Azman Sidek	Diploma (Vocational Teaching)
11		Aznan Osman	Diploma (Vocational Teaching)
12		Hasanah Haron	Diploma (Vocational Teaching)
13		Marina Muhammad	Diploma (Vocational Teaching)
14		Mohamed Rosli Mohd Yusoff	Diploma (Vocational Teaching)
15		Mohd Sufian Abd Rahim	Diploma (Vocational Teaching)
16		Mohd Sham Kamaruddin	Diploma (Vocational Teaching)
17		Norhayati Ramli	Diploma (Vocational Teaching)
18	Construction	Kalsom binti bakar	Higher National Diploma (Design Technology)
19		Mohd Nor Mahmud	Higher National Diploma (Design Technology)
20		Samsury Abd Karim	Higher National Diploma (Design Technology)
21		Azizam Awang	Certificate
22		Juniada Saari	Certificate
23		Norfaezah Mokhtar	Certificate
24		Siti Noreha Rahman	Certificate

No	Course	Lecturer's Name	Qualification
25	Electrical Engineering	Wong Hung Yew	Certificate
26		Ahmad Fauzi	Diploma
27		Fakrik Arizal	Diploma
28		Ku Rosell	Diploma
29		Mohd Habic	Diploma
30		Mohd Husny	Diploma
31	Electrician	Mohd Yusof Mat Saad	Bach Degree (Electrical & Electronics)
32		Abd Ghani B. Wan Hanafi	PW2 Wireman Certificate
33		Mohd Noor Hussain	AO Chargeman & PW4 Wireman
34		Fidaus Ibrahim	A1 Chargeman & PW4 Wireman
35		Mohd Zhahir Othman	A1 Chargeman & PW4 Wireman
36		Abd Aziz B. Abu Nazir	A4 Chargeman & PW4 Wireman
37		Zaharuddin Johar	A1 Chargeman Certificate
38		Nik Asmadi Nik Hassan	PW2 Wireman Certificate
39		Rohaimi Haron	PW2 Wireman Certificate
40	Electronic Engineering	Shaharom Zainul Abideen	Bach Degree (Electrical Engineering)
41		Azizi Awang	Diploma
42		Anizah Idris	Diploma (Communications)
43		Mohammad Amran Shafie	Diploma
44		Siti Noor Azizah Mansor	Higher National Diploma (Computer)
45		Hasnah Noh	Higher National Diploma (Electronics)
46		Rosnani All	Higher National Diploma (Electronics)
47		Azman Adam	Higher National Diploma (Electronics)
48		See Seng Poh	Certificate
49	Furniture Technology	Wan Ali Marzuki	Certificate
50		Basuki Ahmad	Diploma
51		Muhaldi Shafie	Certificate
52		Ahmad Ali	Certificate
53		Mohd Salleh Malek	Certificate
54		Rosmi Kasim	Certificate
55		Md Shukri Ismail	Certificate
56		Rashid Salleh	Diploma
57		Hassan Muhammad	Certificate
58	Graphic Design	Zulkifli Idris	Advance Diploma (Graphic Design)
59		Fidaus Abu Bakar	Diploma (Graphic Design)
60		Suzana Samad	Diploma (Graphic Design)
61		Azzura bt Awang Selamat	Diploma (Interior Design)
62		Nasharudin Mohd Hashim	Higher National Diploma
63		Nadzri Ahmad	Diploma (Graphic Design)
64		Norsalawati Mohd Ali	Diploma (Graphic Design)
65		Zubir Omar	Diploma (Graphic Design)
66	Interior Design	Suhaimi Harun	Advance Diploma
67		Afaiatun Jamshad	Certificate (Technical Teaching)
68		Mohd Hamid Abu Bakar	Certificate (Technical Teaching)
69		Mohd Zaki Abd Majid	Certificate (Technical Teaching)
70		Radiah Abdullah	Certificate (Technical Teaching)
71		Rokiah Ismail	Certificate (Technical Teaching)
72		Asrul Efende	Certificate (Pedagogy)
73		Noor Hayati Ibrahim	Certificate (Pedagogy)
74		Normawati Salim	Certificate (Pedagogy)
75	Pipe & Sanitation	Zolkifly Jamal	Diploma
76		Shaharan Abd Razak	Certificate
77		Abdul Razak Abdullah	Certificate
78		Ismail Ahmad	Certificate
79		Chee Pi B. Awang	Certificate

IKM Kuching

No	Course	Lecturer's Name	Qualification
1	Automotive	Ab Rahman B. Maidin	Certificate
2		Hamizanbin Samson	Diploma (Pedagogy)
3		Salim Taha	Diploma (Pedagogy)
4		Khairil Jaffri	Certificate
5		Murad Mahmood	Certificate
6		Norfarizah Jallani	Certificate
7		Siti Zakiah	Certificate
8		Hasnan Salahudin	Certificate
9		Rosle Mat	Certificate (Pedagogy)
10		Allas Hamzah	Certificate
11		Jamil Sell	Certificate
12		Mohamad Nizam Jawawi	Certificate
13		Osman Ojek	Certificate
14		Joseph Beron	Certificate
15		Hasbullah Binismail	Diploma
16		Mohamad Khusyary Sedek	Diploma
17		Zaidi Samsu	Diploma
18	Civil Engineering	Azmi Mohd Noor	Certificate
19		Zainal Abidin Ibrahim	Certificate
20		Mohamad Bakri Ismail	Advanced Diploma
21		Imelda Saif	Certificate (Computer Design)
22		Abdullah Ismail	Certificate
23		Hj Sulaiman Abd Ghani	Certificate
24		Mohamad Bahari	Certificate
25		Muhd Ishak Sharif	Certificate
26		Shafie Othman	Certificate
27	Electrical Engineering	Ramin Muslin	Certificate (Pedagogy)
28		Ahmad Hamimi Che Ani	Certificate (Pedagogy)
29		Jamaluddin Ibrahim	Certificate (Pedagogy)
30		Mohd Nasir Osman	Certificate (Pedagogy)
31		Nor Edlr Abd Muin	Certificate (Pedagogy)
32		Aisah Imat	Certificate (Pedagogy)
33	Electronic Engineering	Abdul Azim Bin Abdul Wahad	Certificate (Pedagogy)
34		Noor Kharizan Abu Ramli	Certificate (Pedagogy)
35		Syaifulbahari Sardoni	Certificate (Pedagogy)
36		Asmawy Afandi Abu Seman	Certificate (Pedagogy)
37		Abu Samah Mohd Amin	Diploma
38	Furniture Technology	zakaria bin ahmad	Certificate
39		Mohamad Derman Sawaon	Certificate (Technical Teaching)
40		Mohamad Rosdi Rahaman	Certificate (Technical Teaching)
41		All Taib	Certificate (Technical Teaching)
42		Mohd Azmi Salim	Certificate (Technical Teaching)
43		Kibree Hussin	Certificate (Technical Teaching)
44		Nasran Yaacob	Certificate (Technical Teaching)
45	Marine Engineering	Shahril Latif	Certificate
46		Ahmad Rofizan	Certificate
47		Kamaruzaman Abd Rahman	Certificate
48		Zulkifil Ali	Certificate
49		Rosli Wan Chik	Certificate
50		Wan Ahmad Lockman	Diploma
51	Pipe & Sanitation	Ismail Mt Daud	Certificate (Vocational Teaching)
52		Abd Hakim Sarih	Certificate (Vocational Teaching)
53		Abdul Malek B. Abdul Hakim	Certificate (Vocational Teaching)
54		Abdul Rahim Saidin	Certificate (Pedagogy)
55		Zulkamain Mohd Yunus	Certificate
56		Abdul Rahman Noordin	Certificate (Technical Teaching)
57		Mohd Abdullah Sadik	Certificate (Technical Teaching)

No	Course	Lecturer's Name	Qualification
58	Welding & Fabrication	Abdul Rahman Sulaiman	Certificate (Pedagogy)
59		Oris Maderis	Certificate (Pedagogy)
60		Rosli Mohd Nasir	Certificate (Pedagogy)
61		Azmi Kassim	Certificate (Pedagogy)
62		Mohd Nizam Mahamod	Certificate (Technical Teaching)
63		Hasan Md Kaus	Diploma

IKM Petaling Jaya

No	Course	Lecturer's Name	Qualification
1	Electronic Engineering	Norma Mahmood	Advanced Diploma (Statistics)
2		Siti Adillah Mohd Yatim	Bach. Degree (Industrial Mathematics)
3		Norhayati Abd Rahman	Bach. Degree (Statistics)
4		Rozita Zainal Ariffin	Bach. Degree (Geography)
5		Akitaniti Mas Ayu	Bach. Degree (English Literature)
6		Zuliana Mohd Zebdi	Bach. Degree (English Literature)
7		Irma Wahyuni	Bach. Degree (Linguistics)
8		Vanaja Thambyappa	Bach. Degree (Education)
9		Rose Badariah Abd Ghani	Bach Degree (Mathematics)

IKBN Bukit Mertajam

No	Course	Lecturer's Name	Qualification
1	Electrician	Mohamed Nizam Mohamed Salleh	Bach Degree (Electrical Engineering)
2		Azri yunus	Diploma (Electrical Engineering)
3		Md Fauzi Musa	Diploma (Electrical Engineering)
4		Hisham Taja Ariffin	Diploma (Electronics Engineering)
5		Ahmad Nodzri Che Zan	Diploma (Electronics Engineering)
6		Rosrizal Johari	Diploma (Mechatronics Engineering)
7		Nor Sharfuddin Yeop Sabah	Diploma (Telecommunications)
8		Ainon Abdullah	Diploma (Electronics Engineering)
9		Hafizah Raslan	Diploma (Electronics Engineering)
10		Nurhafizah Wan Yaakub	Diploma (Electronics Engineering)
11		Mohd Hafiz Omar	PW4 Wireman Certificate
12		Roshani Ismail	Certificate (Communications)
13		Norizan Razail	Certificate (Electrical Engineering)
14		Azari Abas	Certificate (Electronics Engineering)
15		Rosli Abd Rhani	Certificate
16		Azab Mohamed	Certificate (Electrical Engineering)
17		Abd Ghani	Diploma
18	Electronics Engineering	Naslina Nasir	Certificate
19		Norazirah Wahad	Certificate
20		Serigati Mamat	Certificate
21		Norhalzun Ishak	Certificate
22		Sabarina Ismail	Certificate
23	General Machining	Ahmad Syukri	Diploma
24		Hamizi Rahim	Diploma
25		Mad Ayob Ali	SPM (Form 5)
26		Mohd Farid Hassan	SPM (Form 5)
27		Mohd Syamsuddin	SPM (Form 5)
28		Nordin Ahmad	Diploma
29		Rizal Bakri	Diploma
30		Md Hisyam Nor	Diploma
31	Industrial Mechanics	Mohd Fardzly Mustafa	Diploma
32		Mohd Ghazali Mohd Daud	Diploma
33		Mohd Farid Awi	Certificate
34		Fadzilla Hassan	Certificate

No	Course	Lecturer's Name	Qualification
35	Refrigeration & Air-conditioning	Noor Saizafani Abu Bakar	Diploma (Computer Technology)
36		Mohammad Farid Mohammad Arif	Certificate
37		Kamarul Azhar	Certificate
38		Marzlah Bahari	Certificate
39		Nor Rani Yahiya	Certificate
40		Radzil Rafiz Razali	Certificate
41		Zuriyani Sanusi	Certificate
42		Abd Halim Abd Rahman	Certificate
43		Mohd Hilman Mahmood	Certificate
44		Tamrin Shaari	Diploma
45	Tool and Die	Mohd Nazle Hashim	Diploma (Mechanical Engineering)
46		Mohamad Nurshah Yahaya	Diploma (Moulding)
47		Abdul Khairunnur Abd Sallm	Certificate (Industrial Engineering)
48		Mohd Arif Shah Bahallil	Certificate

IKBN Jitra

No	Course	Lecturer's Name	Qualification
1	Fashion & Garments	Sofiah Ghazaeli	Bach. Degree (Graphic Design)
2		Siti Hatijah Tahir	Certificate
3		Khairani Shari	Certificate
4		Haripah Musa	SPM (Form 5)
5		Hayati Ghani	SPM (Form 5)
6		Rozana Rahim	SPM (Form 5)
7		Sofiah Ghazali	Bach. Degree
8	Furniture	Shahrudin Nor Mat Han	Certificate
9	Motorcycle	Mohd Shukri Jenal	Certificate (Automotive)
10		Mohd Shamsuddin Ail	Certificate
11		Khairil Anuar	Certificate
12		Hasnawi Jakin	Certificate
13		Mohd Azwan Aziz	Certificate (Automotive)
14		Abd Hamid B. Hussein	Certificate

IKBN Kinarut

No	Course	Lecturer's Name	Qualification
1	Architecture	Collyelene Rotop	Certificate
2		Ahmad Acho	Diploma
3		Jason Stephen	Diploma
4		Maliki Salieh	Diploma
5		Noramlie Muhamad	Diploma
6		Mohd Ghani	Diploma
7	Construction	Haur Labau	Certificate
8		Jawty Saupit	Certificate
9		Mazlan Jair	Certificate
10		Dahyian Mohd Dahlan	Diploma
11		Sophian Kandar	Diploma
12		Othman Saad	Diploma
13	Industrial Electronics	Haiwi Jaffar	Bach. Degree
14		Bahari Hassan	Diploma
15		Kasuadi Bujang	Diploma
16		Mohd Hizam Md Haris	Diploma
17		Nawawi Ismail	Diploma
18		Noor Azman Noor Iskandar	Diploma
19		Wan Jiman Wan Dahman	Diploma
20		Stefen Monjit	Diploma
21		Nor Rahim Nor Mohd	Diploma
22		Refrigeration & Air-conditioning	Azura Mohd
23	Falzal Abdullah		Certificate

No	Course	Lecturer's Name	Qualification
24		Nor Azli Cheputeh	Certificate
25		Nor Faridah Aziz	Certificate
26		Hashim Ahmad	Diploma
27		Yusri Bujang	Diploma
28		Ruslan Ali	Diploma

IKBN Kuala Perlis

No	Course	Lecturer's Name	Qualification
1	Architecture	Noorhayati by Abdullah	Diploma (Civil Engineering)
2		Suriya a/p Chai Boon	Diploma (Civil Engineering)
3		Siti Khatijah bt Hj Abdul Rahim	Certificate
4		Abdul Rahman Abdullah	Certificate
5	Automotive	Mohd Sukri Naharom	Certificate (Mechanical Engineering)
6		Mahadi Saat	Diploma (Automotive)
7		Mohd Azlan Ramlee	Diploma (Mechanical Engineering)
8		Shamsyul Akmal Mohd Saad	Diploma (Aeronautical Engineering)
9		Ahmad Maliki Abu Thalib	Diploma (Computer Engineering)
10		Mohammad Noor Fekri Abu Kari	Diploma (Mechanical Engineering)
11		Mohd Akhtar Imran	Diploma (Mechanical Engineering)
12		Mohd Fadli Razak	Diploma (Mechanical Engineering)
13		Mohd Faizul Mat Rahim	Diploma (Mechanical Engineering)
14		Razak Hamat	Diploma (Mechanical Engineering)
15		Wan Supadil Wan Husain	Diploma (Mechanical Engineering)
16		Rahim Abu Seman	Certificate
17		Halbolah Mahmud	Certificate
18		Mohd Imran Awang Mat	Certificate
19		Mohd Nasrul Ismail	Certificate
20		Shaiful Aziz	Certificate (Mechanical Engineering)
21	Mohd Azhar Abdullah	Certificate (Mechanical Engineering)	
22	Commercial Vehicle Mechanics	Badrulhisyam Ismail	
23		Mohd Azizol Mohd Hussin	Diploma (Mechanical Engineering)
24		Mohd Nizam Abdul Hakim	Diploma (Mechanical Engineering)
25		Mohd Zaidi Kasim	Diploma (Mechanical Engineering)
26		Mahazailan Mahadi	Diploma (Mechanical Engineering)
27		Mohamad Aswadi Mohamed	Diploma (Mechanical Engineering)
28		Nik Mohd Nasrol Nik Ishak	Diploma (Mechanical Engineering)
29		Noridan Ismail	Diploma (Mechanical Engineering)
30		Rashidi Abdullah	Diploma (Mechanical Engineering)
31		Rosli Hj Saileh	Diploma (Mechanical Engineering)
32		Mohd Nazira Othman	Certificate
33		Rosmidl Sharif	Certificate
34		Wan Mohd Idham Wan Adik	Certificate
35		Abdul Razak Abdul Rashid	Certificate
36		Azman Shaari	Certificate
37		Badaruddin Bakri	Certificate (Mechanical Engineering)
38		Jalli Ahmad	Certificate (Mechanical Engineering)
39		Murad Abd Razak	Certificate (Mechanical Engineering)
40	Construction	Mohd Rozaini Yusoff	Diploma (Civil Engineering)
41		Badrul Hisyam Zainuddin	Diploma (Civil Engineering)
42		Ijzan Abdul Majid	Diploma (Civil Engineering)
43		Azhar Md Padzil	Certificate
44	Marine Engineering	Said Ismail	Certificate
45		Saifol Muzafar Mohamad	Diploma (Mechanical Engineering)
46		Mohd Zamri Azali	Diploma (Mechanical Engineering)
47		Mansor Ramli	Certificate
48	Nursery	Nordin Hj Mohamad Yusof	Diploma (Civil Engineering)
49		Nor Saifalza bt Fadzil	Diploma (Civil Engineering)

IKBN Miri

No	Course	Lecturer's Name	Qualification
1	Automotive	Samsur Anuar Junaidi	Diploma (Mechanical Engineering)
2		Khairul Abdul Rahman	Diploma
3		Mohd Shiradzi Isman Ishak	Diploma
4		Muhd Radzi Abdul Majid	Diploma
5		Tanoon Ebon	Diploma (Automotive)
6		Asrul Abdul	Diploma (Mechanical Engineering)
7		Abdul Hamzah Yusuf	Diploma (Mechanical Engineering)
8		Jupill Waimin	Diploma (Mechanical Engineering)
9		Mohd Khairulaidi Mustafa	Certificate
10		Mohd Azrul Mat Din	Certificate (Automotive Engineering)
11		Basok Alwi	Certificate (Automotive Engineering)
12		Ugau Jebeng	Diploma
13		Abd Rahim Nordin	Diploma
14	Commercial Vehicle Mechanics	Mohd Sayono Sudarti	Diploma (Automotive Engineering)
15		Mohd Fadli Abu Hassan	Diploma (Automotive Engineering)
16		Thomas Wenceslaus Usong	Diploma (Automotive Engineering)
17		Ismail Bungsu Muhammad	Certificate
18		Mohd Shaimi Basaron	Certificate
19	Mohd Rohaizam Ismail	Certificate (Industrial Engineering)	
20	Food Preparation	Mohd Junaidi Samsudeen	Diploma (Hotel Management)
21		Zakaria Bakar	Certificate
22		Ahmad Muzakir Ibrahim	Certificate
23		Mohd Farhan Nordin	Diploma (Hotel Management)
24		Mohammad Zulfirka Kusaini	Diploma (Chef Training)
25	Irene Lah	Certificate	
26	General Machining	Eric Jefry	Diploma (Mechanical Engineering)
27		Mohd Yusop Tupang	Diploma (Mechanical Engineering)
28		Azrul Annuar	Certificate (General Machining)
29		Mohd Rosli Mohamed	Certificate (General Machining)
30	Industrial Mechanics	Addul Rasyid Idris	Diploma (Mechanical Engineering)
31		Mohd Fauzi Salam	Diploma (Mechanical Engineering)
32		Nazren Hezli Abdullah	Diploma (Mechanical Engineering)
33		Abdullah Bojeng	Diploma (Mechanical Engineering)
34		Kelaman Samad	Diploma (Mechanical Engineering)
35		Mashaizal Mohd	Diploma (Mechatronics Engineering)
36		Eddy Suzail Ayub	Diploma (Mechatronics Engineering)
37		Mohd Sani Ramli	Certificate
38		Abd Razak Abd Rahman	Diploma (Mechanical Engineering)
39		Robert Nagau	Diploma (Mechanical Engineering)
40		Nazry Abdullah	Diploma (Mechanical Engineering)
41	Tool & Die	Md Sophian	Diploma (Mechanical Engineering)
42		Noor Affndi	Certificate
43		Md Fazley	Diploma (Mechanical Engineering)

IKTBN Sepang

No	Course	Lecturer's Name	Qualification
1	CNC	Mohd Huzalmi Abdullah	Diploma
2		Moh Mutallib	Diploma
3		Shamsudin Tumiran	Diploma
4	Electronic Engineering	Ros Maria Mat Yeh	Bach Degree (Electrical & Electronics)
5		Faherlnizam Ruzailly	Diploma (Communications)
6		Noor Azura Adnan	Diploma (Electrical Engineering)
7		Nordallah Yusof	Diploma (Electronics Engineering)
8		Shahrizal Ismail	Diploma (Electronics Engineering)
9		Iswandi Idris	Diploma (Electronics Engineering)
10		Hazawati Za'afar	Diploma (Electronics Engineering)
11		Rosnidahni Shudin	Diploma (Electronics Engineering)

No	Course	Lecturer's Name	Qualification
12	General Machining	Suzaini Supingat	Higher National Diploma
13		Abd Hamid Kasiman	Bach. Degree (Electrical Engineering)
14		Baharil Ihsan	Bach. Degree (Computer Engineering)
15		Zainal b Idris	Diploma
16		Mohd Huzaini Abdullah	Diploma
17		Mohd Rozaini Ramli	Diploma
18		Mohd Rudi Abd Mutalib	Diploma
19		Mohd Samsuddin Malki	Diploma
20		Shamudin Tumiran	Diploma
21		Zambor Mahfudz	Diploma
22	Injection Moulding	Junaldi Osman	Diploma (Mechanical Engineering)
23		Haji Ngah	Diploma (Mechanical Engineering)
24		Mohd Nazri	Diploma (Mechanical Engineering)
25		Sharudin	Diploma (Mechanical Engineering)
26		Zainal Mohd Awang	Diploma (Mechanical Engineering)
27		Sukri Awang	Bach. Degree (Mechanical Engineering)
28		Bahman Ibrahim	SPM (Form 5)
29		Instrumentation	Roshadi Md Sah
30	Sukri Awang		Bach. Degree (Mechanical Engineering)
31	Bahman Ibrahim		SPM (Form 5)
32	Mohd Sabri		Bach. Degree
33	Harlina		Bach. Degree
34	Nilawati		Bach. Degree
35	Norizan		Bach. Degree
36	Mohd Sulor		Bach. Degree
37	Rahimah		Bach. Degree
38	Production Engineering		Anwar Jusoh
39		Ramli Mahmood	Certificate
40	Tool & Die	Anwar Ahmad	Diploma
41		Ashif Ahmad	Certificate
42		Haiza Nizam	Certificate
43		Badrul Hisham	Certificate
44		Hj Bahman	Certificate
45		Khairul Arifin	Diploma
46		Mohd Ashif	Diploma
47		Nazaruddin	Certificate
48		Tusni Amer	Diploma
49	Welding	Anuar Musa	Diploma

MISDC

No	Course	Lecturer's Name	Qualification
1	Mechatronicss	Rashid Ibrahim	Diploma
2		Biznillah Semi	Higher National Diploma
3		Abd Fatah Mohd Remly	Bach. Degree
4		Yazid Abu Sari	Bach. Degree
5		Ahmed Abu Bakar	Diploma

NSSDC

No	Course	Lecturer's Name	Qualification
1	Mechatronicss	Wong Yin Hon	Diploma (Electrical & Electronics)
2		Faridatul	Diploma (Mechanical Engineering)
3		Suriana	Diploma (Mechanical Engineering)
4		Yusaini	Diploma (Mechanical Engineering)

PSDC

No	Course	Qualification	Lecturer's Name
1	Basic Machining	Certificate	Thasigan Kolandavelu

No	Course	Qualification	Lecturer's Name
2		Certificate	Mohd Hisham Abd Mutalib
3		Certificate	Loe Tze Yeen
4		Certificate	Lim Siew Peng
5		Certificate	Loon Ah Tatt

SSDC

No	Course	Lecturer's Name	Qualification
1	Advertising	Rozyiah bt Saleh	SPM (Form 5) and Certificate
2	Computer Engineering	Abdul Rahman bin Suaidi	Diploma (Computer Science)
3		Azuan Ahmad Arabi	Diploma (Computer Science)
4		Mohd. Heimi bin Abdullah	Diploma (Computer Science)
5		Alfredo Kals	Diploma (Electronics Engineering)
6	Electrical & Electronics Engineering	Ida Katini	Diploma (Chemical Engineering)
7		Rosmawati Priman	Diploma (Mechatronics Engineering)
8		Zuraimi Johari	Diploma (Electronics Engineering)
9		Martin John	Diploma (Electrical Engineering)
10		Lee Wah Soon	Diploma (Electronics Engineering)
11		Amy Francis	Diploma (Quality Control)
12		Tiong Sung Ki	Diploma
13	Electrician	Osman bin Hadami	Wireman Certificate
14	Graphic Design	Salfudin bin Shaminah	Bach Degree (Industrial Design)
15		Amanda Ivy Anthea	Diploma (Graphic Design)
16	Information Technology	Petrical Tiong	Bach Degree (Computer Science)
17		Alexander Chee	
18		Dayang Suhana bt Sejjil	Bach Degree (Marketing)
19		Jimbai Undik	Bach. Degree (Commerce)
20		Sinarwati	Bach. Degree (Computational Science)
21		Safarina Nomie	Bach. Degree (Computer Science)
22		Herman Peter	Bach. Degree (Computer Science & MIS)
23		Naomawati Hajmi	Bach. Degree (Marketing)
24		Siti Azila bt Ali	Diploma (Computer Science)
25		Philo Hiswantee Waslee	Diploma (Information Technology)
26		Wang Hul Hui	Masters Degree (Information Technology)
27	Mechanical Engineering	Rajahsingam Paranjothy	Diploma (Mechanical Engineering)
28		John Rizal Biki	Diploma (Mechanical Engineering) & SKM 2
29	Printing	Budiman bin Buzang	Certificate
30		Mohd Nik Fauzi Suhali	SPM (Form 5) and Certificate
31		White ak Acho	SPM (Form 5) and Certificate
32	Production Engineering	Ephrem Ryan Alphonsces	Bach Degree (Mechanical Engineering)
33		Awang Abdul Hafis	Diploma (Mechatronics)
34		Payang Nur Ervinna	Diploma

SHRDC

No	Course	Lecturer's Name	Qualification
1	Industrial Automation	Azman Wong	Advance Diploma
2		Abdul Aziz	Bach. Degree
3		Azizi	Bach. Degree
4		Donald Tan	Diploma

TESDEC

No	Course	Lecturer's Name	Qualification
1	Arc Welding & Gas	Wan Kamaruddin Wan Chik	Certificate (Welding)
2	Architecture	Wan Norazside Wan Nik	Certificate
3		Hashim Shammah	Diploma (Draughtsman)
4	Building Wiring	Rosli Zakarid	
5		Norisyam Siyatan	PW4 Wireman Certificate
6		Nelman Ariffin	Certificate (Electrical Engineering)
7		Ahmad Zuraimi Abd. Rahman	Certificate (Electrical Engineering)
8	CAD	Hashim bin Shamsudin	Diploma (Public Admin), Cert (Auto CAD - UTM)
9	Computer Engineering	Rosli bin Mohd	Diploma (Agriculture)
10		Zulfi Ibrahim	SPM (Form 5)
11	Fashion & Garments	Asmasiza bt Mat Zin	Diploma (Tailoring)
12		Zarifaful Akhmd Othman	Certificate
13	Gas Pipe & Fitting	Zulkifi Wahab	Advanced Diploma
14		Saiful Azhari Zulkifi	Certificate
15	Information Technology	Mat Azam	Diploma (Manufacturing Engineering)
16		Sayati Asu Wahab	Diploma (Agriculture)
17		Wan Marzuki Wan Hamid	Certificate
18		Thumain Ibrahim	SPM (Form 5)
19	Motorcycle	Al Razikin Mat Yamin	Certificate
20	Welding & Fabrication	Syed Kamazul Nazri Syed Mohamad	Certificate

Section C.4 Equipment Listing

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ITI Pasir Gudang

Course		Type of Equipment	Unit	Usage
Arc Welding & Gas	1	Lecture room	1	51 – 75%
	2	Workshop	1	> 75%
	3	Welding machine	20	
CNC Machining	1	CNC turning	3	26-50%
	2	CNC Milling	4	26-50%
	3	EDM Wire cut	1	26-50%
	4	EDM Sinker	1	26-50%
	5	Conventional Machine	18	51 – 75%
Electrician	1	Digital Installation Tester Meter	2	> 75%
	2	Multifunction Installation Tester	2	> 75%
	3	Earth Electrode Resistance Tester	2	51 – 75%
	4	Bench Drilling Machine	2	> 75%
	5	Deist Set	6	> 75%
Industrial Electronic Technology	1	Classroom	1	51 – 75%
	2	Workshop	1	> 75%
	3	Electronic tools	20	> 75%
Industrial Mechanic	1	Lathe Machine	5	51 – 75%
	2	Cutting Machine	3	51 – 75%
	3	Grinding Machine	7	51 – 75%
	4	Welding Machine	6	26-50%
Metal Fabrication	1	Lecture room	2	51 – 75%
	2	Workshop	1	> 75%
	3	Machine milling	10	51 – 75%
	4	Welding Machine	15	51 – 75%
	5	Cutting Machine	10	51 – 75%
Tool and Die	1	CNC Milling	2	> 75%
	2	CNC Lathe	2	> 75%
	3	CNC EDM	4	> 75%
	4	Measurement/Inspection	6	26-50%
	5	Conventional Machine	60	51 – 75%

ITI Kuala Terengganu

Course		Type of Equipment	Unit	Usage
Building Construction	1	Hand drill	5	51 – 75%
	2	Hand drill -big	2	51 – 75%
	3	Hand drill - small	2	> 75%
Building Construction (wood based)	1	Computer		< 10%
	2	Wood Working Machine		> 75%
	3	Clearing tool		51 – 75%
Diploma in Construction Technology	1	Computer	60	26-50%
	2	Engineering lab tool	30	11 – 25%
	3	Brick Work Tool	30	26-50%
	4	Wood Work Tool	30	26-50%
	5	Sanitary pipe work tool	30	26-50%

Course		Type of Equipment	Unit	Usage
Electrician	1	Wiring bay	42	> 75%
	2	Insulation tester	26	> 75%
	3	Bench power supply	7	> 75%
	4	Earth tester	20	51 – 75%
	5	PLC logic control	6	51 – 75%
Gas Pipe Installation	1	Welding bay	5	> 75%
	2	Lecture room	1	> 75%
	3	Pipe fitting area	1	51 – 75%
	4	Work bench	10	> 75%
	5	Plasma cutting mach	1	51 – 75%
General Machinist	1	Milling machine	6	> 75%
	2	Lathe machine	7	> 75%
	3	EDU	1	11 – 25%
	4	Grinding	1	26-50%
	5	Grinding	1	26-50%
Industrial Mechanical	1	Machine drill	10	51 – 75%
	2	Machine turning	10	51 – 75%
	3	Machine milling	10	51 – 75%
	4	Grinding Machine	5	51 – 75%
	5	Hydraulic package	5	51 – 75%
Information Technology (Computer System)	1	Computer	60	> 75%
	2	Printer	3	> 75%
	3	Scanner	3	26-50%
	4	Photostat	1	51 – 75%
Pipe and Sanitation	1	Computer		> 75%
	2	Machine		51 – 75%
	3	Toolbox		> 75%
Refrigeration & Air-conditioning	1	Refrigerator	10	> 75%
	2	Air conditioning	30	> 75%
	3	Chiller unit	1	51 – 75%
	4	Air/water cooler system	2	51 – 75%
	5	Cold Room	1	26-50%

ITI Labuan

Course		Type of Equipment	Unit	Usage
Building Construction	1	Concrete mixer	1	> 75%
	2	Masonry saw	1	> 75%
	3	Hand drill	1	51 – 75%
	4	Jig saw	1	51 – 75%
	5	Concrete Vibrator	1	51 – 75%
Building Construction (wood based)	1	Drilling machine	2	11 – 25%
	2	Belt and Disc sander	1	51 – 75%
	3	Circular saw	2	> 75%
	4	Radial arm saw	2	> 75%
	5	Thicknesses planner	3	51 – 75%
Electrician	1	Insulation Resistance Tester	8	> 75%
	2	RCCB Tester	8	> 75%
	3	Earth Tester	2	> 75%
	4	Wiring Bay	3	> 75%
	5	Line Earth Tool tester	8	> 75%
General Machinist	1	Power Saw	1	> 75%

Course		Type of Equipment	Unit	Usage
	2	Pedestal Grinder Machine	3	> 75%
	3	Universal Milling Machine	4	> 75%
	4	Wiring Bay	3	> 75%
	5	Drilling Machine	3	> 75%
Industrial Mechanic	1	Power Saw	1	> 75%
	2	Pneumatic Training Kit	2	51 – 75%
	3	Welding Set	4	51 – 75%
	4	Hydraulic Trainer Hydroprax 6	1	26-50%
	5	Pedestal Grinder Machine	3	> 75%
Pipe and Sanitation	1	Power Saw	1	26-50%
	2	Welding Set MIG	2	51 – 75%
	3	Welding Set	3	51 – 75%
	4	Pedestal Grinder Machine	1	> 75%
	5	Pipe Welding Machine	2	51 – 75%
Refrigeration & Air-conditioning	1	Arc Welding Machine	6	26-50%
	2	Business Refrigerator	4	26-50%
	3	Air-conditioning Set	20	> 75%
	4	Chiller system	2	26-50%
	5	Cold Room	2	51 – 75%
Welding	1	TIG Arc Welding Machine	10	> 75%
	2	Small Welding Machine	10	> 75%
	3	G Taw Welding Machine	11	> 75%
	4	GMAW & FCAW Welding Set	9	> 75%
	5	Oxy Acetylene Portable Cutting Machine	4	> 75%

ITI Bukit Katil

Course		Type of Equipment	Unit	Usage
Electrician	1	Motor control panel	32	26-50%
	2	Wiring Bay	80	> 75%
	3	LV Board	2	26-50%
	4	Motor/Panel	100	26-50%
	5	Sample House	2	> 75%
General Machinist	1	Lathe Machine	15	> 75%
	2	Milling Machine	5	> 75%
	3	Surface Grounding Machine	1	> 75%
	4	Tool & Cutter Grinding	1	51 – 75%
	5	Center less Grinding	1	51 – 75%
Industrial Electronic	1	Sensor training kit	7	51 – 75%
	2	Electro pneumatic trainer	8	51 – 75%
	3	Basic electronic kit	8	51 – 75%
	4	Digital control training kit	4	51 – 75%
	5	Oscilloscope	10	51 – 75%
Industrial Mechanic	1	Workbench for fitting task		> 75%
	2	Welding Machine		26-50%
	3	Lathe Machine		26-50%
	4	Milling Machine		26-50%
	5	Shearing machine		26-50%
Instrument A81	1	Trainer Instrument plan	10	51 – 75%
	2	Computer	20	> 75%
Plastic Technology	1	Injection Mould	7	51 – 75%

Course		Type of Equipment	Unit	Usage
	2	Blow Mould	2	< 10%
	3	Pipe Extrusion	2	26-50%
	4	Rotational	1	26-50%
	5	Blow Film	1	11 – 25%
Telecommunication Technology	1	Oscilloscope	15	51 – 75%
	2	Testing Equipment	2	51 – 75%

ITI Kota Samarahan

Course		Type of Equipment	Unit	Usage
Arc Welding & Gas	1	2 in 1 inverter welding machine	40	> 75%
	2	Arc Welding Machine	40	> 75%
	3	Power Saw	2	51 – 75%
	4	Guided bend tester	2	51 – 75%
	5	Beveling machine	2	> 75%
CNC Machining	1	CNC lathe	3	51 – 75%
	2	CNC Milling	3	51 – 75%
	3	CNC EDM Wire cut	2	51 – 75%
	4	CNC EDM Singular	1	51 – 75%
	5	CNC Grinding	1	26-50%
Electrician	1	Wiring bay	32	51 – 75%
	2	Sample House	1	< 10%
	3	Motor & control set	2	< 10%
	4	Computer	18	< 10%
	5	Pneumatic Technology training system	2	< 10%
Electro-Mechanical	1	Lathe Machine	5	26-50%
	2	Milling Machine	4	26-50%
	3	Hydraulic/Pneumatic	12	51 – 75%
	4	Electrical/Electronic	4	51 – 75%
	5	PLC	8	51 – 75%
Gas Pipe Installation	1	TIG Welding Machine	40	51 – 75%
	2	MIG Welding Machine	10	26-50%
	3	Oxy-Acetylene Equipment	10	11 – 25%
	4	Pipe fabrication Tool & Equipment	5	26-50%
Information Technology	1	Computer	86	51 – 75%
	2	Lecture room	2	51 – 75%
	3	Computer	5	26-50%
Metal Fabrication	1	Hydraulic guideline	1	> 75%
	2	AC/DC Arc Welding	20	> 75%
	3	Bending roller	1	51 – 75%
	4	Band saw	2	51 – 75%
	5	Thyristor controlled CO2/MAG semi auto	8	51 – 75%
Mould maker & Cutting Technology	1	Conventional Machine	50	51 – 75%
	2	CNC Machine	11	26-50%
	3	Measurement Tools	6	> 75%
	4	Computer lab	1	26-50%

ITI Kangar

Course		Type of Equipment	Unit	Usage
CNC Machining	1	Precision High Speed Lathe	17	> 75%
	2	Milling Machine	12	> 75%
	3	CNC Lathe Machine Trainer	4	> 75%
	4	Surface Grinding Machine	4	51 – 75%
Electro-mechanical	1	LCD projector	2	> 75%
	2	Direct Head Projector	2	26-50%
	3	Computer	10	> 75%
	4	Video camera	1	26-50%
Industrial Automation	1	Electronic lab	1	51 – 75%
	2	Robotic Lab	5	51 – 75%
	3	MPS/ PLC lab	23	> 75%
	4	AutoCAD Lab	40	51 – 75%
Industrial Electronic	1	Digital Camera	2	> 75%
	2	Computer	16	26-50%
	3	Direct Head Projector	2	> 75%
	4	LCD Projector	2	51 – 75%
Industrial Instrumentation	1	Pneumatic Lab	8	51 – 75%
	2	Hydraulic lab	8	51 – 75%
	3	Calibration lab	8	> 75%
	4	Main plant & DCS lab	15	51 – 75%
	5	Compressor	1	51 – 75%
Information Technology (Computer Network)	1	Computer	30	> 75%
	2	Lab	6	> 75%
	3	Operating system	30	> 75%
	4	Network Analyzer	6	26-50%
	5	Cabling tool	6	26-50%
Metal Fabrication	1	Welding machine SMAN	30	> 75%
	2	Welding machine GTAN	3	51 – 75%
	3	Welding machine GMAN	3	51 – 75%
	4	CNC Turing	1	
	5	Press Brake	1	> 75%

ITI Pedas

Course		Type of Equipment	Unit	Usage
CADD Architecture	1	Drawing table	90	26-50%
	2	Computer	90	51 – 75%
CADD Mechanical	1	Computer	97	51 – 75%
	2	Drawing set		> 75%
Electro-Mechanical	1	Conventional Machine		> 75%
	2	Pneumatic & hydraulic		> 75%
	3	Power electronic & electrical control system		26-50%
	4	Welding set		51 – 75%
	5	Electro mechanical maintenance set		11 – 25%
Industrial Automation	1	Training kit		26-50%
	2	Machine		11 – 25%
Information Technology	1	Computer	90	> 75%
	2	Server	4	26-50%
	3	Switch	4	26-50%

Course		Type of Equipment	Unit	Usage
	4	Fiber spacing	2	26-50%
	5	Network tools	4	26-50%
PEM CNC	1	CNC Machine	8	> 75%
	2	Milling machine	11	> 75%
	3	Lathe machine	5	> 75%
	4	Surface Grinding Machine	4	51 – 75%
	5	Drilling machine	3	51 – 75%
Telecommunication Technology	1	Computer	18	> 75%
	2	Fusion splicing machine	4	> 75%
	3	CAN equipment	5	> 75%
	4	Antenna measure set	1	> 75%
	5	RJ 45 cable Tester	3	> 75%

ITI Muar

Course		Type of Equipment	Unit	Usage
Arc Welding & Gas	1	Welding Machine	57	> 75%
	2	Cutting Machine	2	> 75%
	3	Grinding Machine	4	> 75%
	4	Sawing Machine	2	26-50%
	5	Plasma cutting mach	1	11 – 25%
CNC Machining	1	Conventional Machine	40	51 – 75%
	2	CNC Machine	17	51 – 75%
	3	QC Machine	7	11 – 25%
Electro-Mechanical	1	AC/DC inverter welding machine	5	> 75%
	2	Arbor Press	1	< 10%
	3	Bench drilling	2	> 75%
	4	Hydraulic pipe bending	1	26-50%
	5	Hydraulic press	1	< 10%
Industrial Automation	1	Computer	31	> 75%
	2	Printer	3	> 75%
	3	Plotter	1	26-50%
	4	Robot	5	26-50%
	5	Direct Projector	1	26-50%
Industrial Product Design	1	Computer	42	51 – 75%
IT & Resource Center	1	Computer	120	51 – 75%
	2	Cable tester	40	51 – 75%
	3	Printer	4	51 – 75%
	4	LCD Projector	2	51 – 75%
Metal Fabrication	1	White board		> 75%
	2	LCD Projector		< 10%
	3	Computer		< 10%
Plastic Technology	1	Injection Mould	5	> 75%
	2	Blow Mould	1	11 – 25%
	3	Extrusion - pipe	1	11 – 25%
	4	Extrusion profile	1	11 – 25%
	5	Extrusion - film	1	11 – 25%
Tool and Die	1	Machines	128	> 75%
	2	AVA tool	6	26-50%
	3	Computer	55	51 – 75%

ITI Jitra

Course		Type of Equipment	Unit	Usage
Arc Welding & Gas	1	SMAW	31	> 75%
	2	GTAW/SMAW	25	51 – 75%
	3	GMAN/SMAW	9	< 10%
	4	GMAN	4	11 – 25%
Commercial Heavy Vehicle	1	Engine	20	> 75%
	2	Vehicle		51 – 75%
	3	Machine		51 – 75%
Electrician Wireman	1	Bench power supply	10	26-50%
	2	Wiring bay	40	> 75%
	3	Concrete bender	20	51 – 75%
General Machinist	1	Press machine	4	11 – 25%
	2	Lathe Machine	15	26-50%
	3	Grinding mill	6	26-50%
	4	Grinding machine	2	11 – 25%
	5	CNC Lathe	1	< 10%
Industrial Mechanic	1	Lathe Machine	6	> 75%
	2	Milling Machine	6	> 75%
	3	Shaping Machine	6	> 75%
	4	Trainer set	6	> 75%
	5	Welding machine	12	> 75%
Mould maker	1	CNC Machine	8	> 75%
	2	Hydraulic machine	25	> 75%
	3	Lab tool	9	> 75%
	4	Computer	15	> 75%
	5	Vacuum machine	1	> 75%
Plastic Technology	1	Injection Mould	10	> 75%
	2	Mould machine	8	51 – 75%
	3	LLN Machine	5	26-50%
Refrigeration & Air-conditioning	1	Automobile trainer	1	> 75%
	2	Package air condition	3	> 75%
	3	Package with cooled	2	> 75%
	4	Cooled room	2	< 10%
	5	Commercial refrigerator	3	> 75%

ITI Kota Bharu

Course		Type of Equipment	Unit	Usage
Arc Welding & Gas	1	Welding Machine	7	> 75%
	2	SMAW/GMAN Machine	14	> 75%
	3	Plasma arc cutting machine	4	> 75%
	4	Welding Machine	4	> 75%
	5	Oxy Acetylene Machine	2	> 75%
Automotive	1	Training car	7	> 75%
	2	Engine	25	> 75%
	3	Arc welding machine	2	26-50%
	4	Tune-up machine	4	> 75%
	5	Tyre machine	5	51 – 75%
Diploma in Building Technology	1	Concrete Mixer	2	51 – 75%
	2	Wood Working Machine	12	26-50%
	3	Marble Polisher	1	26-50%
	4	Reamer	1	26-50%

Course		Type of Equipment	Unit	Usage
	5	BRKK Cutting Machine	1	51 – 75%
Furniture Technology	1	Radial Atom & Circular Saw	5	> 75%
	2	Planner & jointer	5	> 75%
	3	Wood Lathes	5	26-50%
	4	Sharers	2	26-50%
	5	Press Machine	4	26-50%
General Machinist	1	Lathe Machine	13	> 75%
	2	Grinding Machine	16	> 75%
	3	Surface Grinding Machine	3	< 10%
	4	Cylindrical Grinding	2	< 10%
	5	EDM	1	< 10%
Industrial Electronic Technology	1	PLC	6	< 10%
	2	Hydraulic	8	11 – 25%
	3	Pneumatic	4	11 – 25%
	4	CBT	16	< 10%
	5	Motor	8	11 – 50%
Industrial Mechanic	1	Lathe Machine	5	26-50%
	2	Milling Machine	2	11 – 25%
	3	Pneumatic Trainer	4	11 – 25%
	4	Hydraulic Trainer	3	11 – 25%
	5	PLC Trainer	6	11 – 25%
Information Technology (Computer System)	1	Computer	25	> 75%
Refrigeration & Air-conditioning	1	Air-conditional	4	26-50%
	2	Refrigerator	13	11 – 25%
	3	Car air-condition	2	11 – 25%
	4	Water cooled	2	11 – 25%
	5	Air cooled	2	11 – 25%

ITI Kuantan

Course		Type of Equipment	Unit	Usage
Architecture Draughtsman	1	Drawing table	30	> 75%
	2	Computer	58	> 75%
	3	Plotter	1	51 – 75%
	4	Blueprint Machine	1	26-50%
	5	Measurement tool	2	< 10%
Electrician	1	Wiring bay	20	51 – 75%
	2	Lab bench	5	26-50%
	3	Motor & control set	20	26-50%
	4	Switchboard	2	26-50%
	5	PLC	10	26-50%
General Machinist	1	Pedestal Grinder	2	51 – 75%
	2	Milling Machine	11	> 75%
	3	Lathe Machine	15	> 75%
	4	Drilling Machine	5	51 – 75%
	5	Bend Saw	2	51 – 75%
Industrial Electronic	1	Pneumatic Trainer	5	26-50%
	2	Hydraulic Trainer	4	11 – 25%
	3	Sensor Trainer	2	26-50%
	4	Oscilloscope	20	51 – 75%
	5	TV trainer	2	< 10%

Course		Type of Equipment	Unit	Usage
Industrial Mechanic	1	Hydraulic training Set	4	26-50%
	2	Pneumatic Training Set	3	11 – 25%
	3	Lathe Machine	4	51 – 75%
	4	Welding Set	3	11 – 25%
	5	Milling Machine	8	26-50%
Information Technology	1	Computer	60	> 75%
	2	LCD Projector	4	26-50%
	3	Printer	5	> 75%
	4	Scanner	2	< 10%
	5	Photostat Machine	1	51 – 75%
Metal Arc Welding	1	Welding Machine	48	> 75%
	2	Cutting Machine	2	> 75%
	3	Power Saw	2	> 75%
	4	Grinder	4	> 75%
	5	Plasma cutting	4	> 75%
Metal Fabrication	1	Computer		11 – 25%
	2	Machine		> 75%
	3	Classroom		51 – 75%
	4	Workshop		> 75%
	5	AUA		11 – 25%
Tool and Die	1	Computer	15	51 – 75%
	2	Lathe Machine	13	26-50%
	3	Milling Machine	8	51 – 75%
	4	Grinding Machine	11	51 – 75%
	5	CMM Machine	4	< 10%

ADTEC Kulim

Course		Type of Equipment	Unit	Usage
Laboratory Technology	1	Computer	100	> 75%
	2	Networking lab		51 – 75%
	3	Maintenance lab		51 – 75%
Machining Engineering Technology	1	Conventional manure	100	> 75%
	2	CNC machine	10	> 75%
	3	CAD-CAM Computer	100	> 75%
	4	Plastic injection mould		26-50%
Mechatronic Engineering Technology	1	Robot	4	26-50%
	2	Hydraulic equipment	5	51 – 75%
	3	Servo equipment	2	51 – 75%
	4	CNC machine		

ADTEC Shah Alam

Course		Type of Equipment	Unit	Usage
Computer Engineering Technology	1	Local area network trainer	2	> 75%
	2	Data transmission training kit	15	51 – 75%
	3	Semiconductor tester	4	> 75%
	4	Digital IC tester	4	> 75%
	5	Function generator	15	> 75%
Electric Engineering Technology (energy)	1	Air circuit breaker	6	> 75%
	2	Power factor regulator relay	8	> 75%
	3	Auto transformer	10	> 75%
	4	Low voltage feeder pillar	2	> 75%
	5	Primary and secondary injection testing equipment	2	> 75%
Electronic Engineering Technology	1	Automatic control trainer	4	51 – 75%
	2	Process control trainer	4	51 – 75%
	3	Servo pneumatic training	2	51 – 75%
	4	Proportional hydraulic trainer	2	51 – 75%
	5	Sensor technology	4	> 75%
Machining Engineering Technology	1	CNC milling	2	> 75%
	2	CNC EDM sinker Mitsubishi ex30	1	> 75%
	3	CNC lathe machine Okuma lcs-15	2	> 75%
	4	Tool Preaeter Kalimat 250b	1	51 – 75%
	5	Precision high speed lathe DMG 1000	12	> 75%
Mechatronic Engineering Technology	1	Computer aided design	15	> 75%
	2	CNC machine	1	> 75%
	3	Robotics	4	> 75%
	4	Automation	1	> 75%
	5	Diagnosis system	2	26-50%
Quality Assurance Engineering Technology	1	Coordinate measuring machine	1	> 75%
	2	CNC non-contact video measuring machine	1	> 75%
	3	CNC vertical profile projector	1	51 – 75%
	4	Roundness testing machine	1	51 – 75%
	5	Surface roughness tester	1	51 – 75%
Refrigeration & Air-conditioning Engineering Technology	1	Air compressor	1	> 75%
	2	Vacuum pump	15	> 75%

Course		Type of Equipment	Unit	Usage
	3	Regulator power supply	10	> 75%
	4	Sensor dial thermometer	30	> 75%
	5	Digital electronic thermometer	30	> 75%
Welding Engineering Technology	1	AC/DC inverter welding machine	15	> 75%
	2	MIG. Mag and flux-cored	15	> 75%
	3	Metal section circular sawing	2	51 – 75%
	4	Straight and beveling machine	3	> 75%
	5	Pipe cutting and beveling machine	3	> 75%

ADTEC Batu Pahat

Course		Type of Equipment	Unit	Usage
Computer Network Information Engineering Technology	1	Computer	31	> 75%
	2	Network equipment		> 75%
	3	Waiter set	1	11 – 25%
	4	Workshop	3	> 75%
	5	Lecture room	4	51 – 75%
Industry Electronic Engineering Technology	1	Digital storage oscilloscope	16	> 75%
	2	Digital electronics trainer	16	> 75%
	3	Disordering system	15	> 75%
	4	Millimeter drill and wire gauges	6	51 – 75%
	5	Computer aided design training system	16	> 75%
Machining Engineering Technology	1	CNC milling	5	> 75%
	2	CNC turning	3	> 75%
	3	CNC grinding	1	> 75%
	4	CNC EDM die sinker	1	> 75%
	5	CNC EDM wire cut	1	> 75%
Manufacturing Engineering Technology	1	CNC milling	5	> 75%
	2	CNC turning	3	> 75%
	3	CNC grinding	1	> 75%
	4	CNC EDM die sinker	1	> 75%
	5	CNC EDM wire cut	1	> 75%
Mechatronic Engineering Technology	1	Client set	30	> 75%
	2	Modular production system	1	> 75%
	3	Heat exchanger process control simulator	1	< 10%
	4	Automatic storage and retrieval system	1	< 10%
	5	Machine Tending Station Scorbot EDM sinker	1	> 75%
Welding Engineering Technology	1	AC/DC inverter welding machine	30	51 – 75%
	2	MIG and flux core welding machine	30	26-50%
	3	Plasma welding machine	5	< 10%
	4	Plasma cutting machine	2	< 10%
	5	Resistance welding machine	2	< 10%

ADTEC Melaka

Course		Type of Equipment	Unit	Usage
Computer Engineering Technology	1	Software lab	20	> 75%
	2	Networking lab	15	> 75%
	3	Maintenance lab	10	> 75%
Manufacturing Engineering Technology	1	CNC machine	14	51 – 75%
	2	CAD/CAM lab	64	51 – 75%
	3	Conversion machine	61	26-50%
	4	Fabrication lab	10	11 – 25%
	5	Metrology lab	8	< 10%
Mechatronic Engineering Technology	1	Pneumatic equipment lab	4	51 – 75%
	2	hydraulic Equipment lab	4	51 – 75%
	3	PLC and Sensor Lab	10	26-50%
	4	Automation Control Lab	2	11 – 25%
	5	Electrical Equipment Lab		26-50%
Telecommunication Engineering Technology	1	Data communication lab	25	> 75%
	2	Switching lab	76	> 75%
	3	Transmission lad	35	> 75%
	4	Micro Lab	5	> 75%
	5	Digital lab	10	> 75%

JMTI

Course		Type of Equipment	Unit	Usage
Diploma in Computer Engineering Technology	1	Computer		> 75%
	2	Electronic tool		11 – 25%
	3	Data Communication training kit	3	< 10%
	4	Micro processor	18	11 – 25%
Diploma in Electronic Engineering Technology (Industrial Electronic)	1	Analog & Digital Lab	1	51 – 75%
	2	Micro computer lab	2	26-50%
	3	Automatic Measuring System	1	51 – 75%
	4	Complex Control	1	26-50%
	5	PCB Manufacturing lab	1	26-50%
Diploma in Mechanical Engineering	1	Hydraulic lab		> 75%
	2	PLC lab		> 75%
	3	Pneumatic lab		51 – 75%
	4	Robotic lab		51 – 75%
	5	Automation lab		51 – 75%
Manufacturing Engineering Technology	1	Lathe Machine	15	> 75%
	2	Milling Machine	10	> 75%
	3	Universal Milling Machine	2	> 75%
	4	Surface Grinding Machine	3	51 – 75%
	5	Cylindrical Grinding	2	26-50%

Polytechnic Sultan Haji Ahmad Shah

Course		Type of Equipment	Unit	Usage
Architecture	1	Architecture studio	8	> 75%
	2	Computer lab	1	> 75%
	3	Workshop	1	51 – 75%
Certificate in Food Technology	1	Analysis Instrumentation	4	> 75%
	2	Dryers (spay drum, oven)	3	> 75%
	3	Meat & fish process equipment	5	> 75%
	4	Blast freezer	1	51 – 75%
	5	Microscopes	8	> 75%
Certificate in Mechanical Engineering	1	Machine w/s	28	26 – 50%
	2	Welding w/s	19	26 – 50%
	3	Pneumatics lab	4	26 – 50%
	4	Computer	42	26 – 50%
	5	Thermodynamics lab	29	26 – 50%
Diploma in Civil Engineering	1	Radar gun (speed) (road)	1	26 – 50%
	2	Permeameter (geotechnical)	1	26 – 50%
	3	Odometer (geotechnical lab)	1	26 – 50%
	4	Friction pipe (hydraulic)	1	26 – 50%
	5	Triaxial test (geotechnical)	1	26 – 50%
Diploma in Food Technology	1	Analysis Instrumentation	4	> 75%
	2	Dryers (spay drum, oven)	3	> 75%
	3	Meat & fish process equipment	5	> 75%
	4	Blast freezer	1	51 – 75%
	5	Microscopes	8	> 75%
Diploma in Land Survey	1	Total station	18	> 75%
	2	Adam 3DD 3.1 (photogram)	1	26 – 50%
	3	Plotter (AGI)	2	26 – 50%
	4	Arcview 3.1 (GIS sensing)	1	26 – 50%
	5	Geomatica 3.0 (cartography)	1	26 – 50%
Diploma in Mechanical Engineering	1	Machine w/s	28	26 – 50%
	2	Welding w/s	19	26 – 50%
	3	Pneumatics lab	4	26 – 50%
	4	Computer	42	26 – 50%
	5	Thermodynamics lab	29	26 – 50%

Community College Bukit Beruang

Course		Type of Equipment	Unit	Usage
Certificate in Automotive	1	Hand Tool	30	> 75%
	2	Pneumatic set/plc	9	> 75%
	3	Off wheel balancer	1	26-50%
	4	On wheel balancer	1	26-50%
	5	Electrical Tool	5	> 75%
Certificate in Electric Technology	1	Wiring bay	30	51 – 75%
	2	Oscilloscope	18	26-50%
	3	Wiring tools		51 – 75%
	4	Motor Accessory		51 – 75%
	5	Electronic tool kit	10	11 – 25%
Fashion & Apparel	1	Lab	1	> 75%
	2	Studio	1	> 75%
	3	Sewing Machine	30	> 75%
	4	Drawing Table	30	> 75%
	5	Chair	30	> 75%

Community College Alor Gajah

Course		Type of Equipment	Unit	Usage
Certificate in Information Technology	1	Computers	67	> 75%

Community College Jempol

Course		Type of Equipment	Unit	Usage
Electric Technology (installation & servicing) & Computer Supporting	1	Installation lab	2	26-50%
	2	Electrical lab	2	51 – 75%
	3	Computer lab	5	51 – 75%
	4	Networking lab	1	26-50%
	5	Maintenance Lab	1	11 – 25%

Community College Jelebu

Course		Type of Equipment	Unit	Usage
Certificate in Electric Technology	1	Electrical lab	1	51 – 75%
	2	Electronic lab	1	51 – 75%

Community College Mentakab

Course		Type of Equipment	Unit	Usage
Certificate in Information Technology	1	Internet	62	> 75%
	2	Computers	100	> 75%
	3	Digital trainer	2	26-50%

Community College Paya Besar

Course		Type of Equipment	Unit	Usage
Creative Multimedia	1	Workstation	32	> 75%
	2	Photography studio	1	> 75%
	3	Printing tools	4	> 75%
	4	Workshop	1	> 75%
	5	Studio audio video	1	> 75%
Information Technology	1	Computer	45	> 75%

Course		Type of Equipment	Unit	Usage
	2	Computer	5	> 75%
	3	Internet	1	> 75%
	4	Digital Lab	1	> 75%

Community College Sungai Siput

Course		Type of Equipment	Unit	Usage
Information Technology	1	Computer	52	> 75%

Community College Kepala Batas

Course		Type of Equipment	Unit	Usage
Certificate in Architectural Draughtsman	1	LCD projector	2	> 75%
	2	OHP	5	> 75%
	3	Geometry Tools		> 75%
	4	Tools		> 75%
	5	White board		> 75%
Certificate in Automotive	1	Fuel Injection trainer	1	< 10%
	2	Diesel pump fuel calibrator	1	< 10%
	3	Dual refrigerant / recycling and recharge system	1	< 10%
	4	Automobile diagnostic computer	1	< 10%
	5	Exhaust gas analyzer	1	26-50%
Certificate in Creative Multimedia (animation)	1	Computer: MAC	31	> 75%
	2	Computer soft: flash & power point	31	51 – 75%
	3	Light box	30	11 – 25%
	4	Projector	1	> 75%
	5	OHP	1	> 75%
Certificate in Integrated Manufacturing Technology	1	Pneumatic/electro pneumatic trainer	12	51 – 75%
	2	Hydraulic/electro hydraulic trainer	8	51 – 75%
	3	CNC mill & lathe machine	8	51 – 75%
	4	computer	31	> 75%
	5	Electrical tool	20	< 10%

Community College Bayan Baru

Course		Type of Equipment	Unit	Usage
Certificate in Computer Support	1	Computer	70	> 75%
	2	Electronic equip	30	> 75%
	3	Electrical equip		51 – 75%
	4	LCD Projector	3	> 75%

Community College Hulu Langat

Course		Type of Equipment	Unit	Usage
Certificate in Computer Support	1	Lecture room	3	> 75%
	2	Electronic Lab	1	51 – 75%
	3	Computer lab	1	51 – 75%
	4	Networking lab	1	51 – 75%
	5	Maintenance Lab	1	51 – 75%

IKM Johor Bahru

Course		Type of Equipment	Unit	Usage
Diploma in Refrigeration & Air-condition Mechanical Technology	1	Chiller system	1	51 – 75%
	2	Air cooled package	1	51 – 75%
	3	Water cooler package	1	51 – 75%
	4	Air-conditioner	15	> 75%
	5	Cold room	1	51 – 75%
Electric Engineering Technology (Charge man A1)	1	OHP	2	51 – 75%
	2	Water cooler	2	> 75%
	3	Conduit pipe benders	7	> 75%
	4	3 phase induction motor	10	51 – 75%
	5	Insulation resistance tester	2	51 – 75%
Electronic Communication Engineering Technology	1	Communication workshop	1	> 75%
	2	Digital Workshop	1	> 75%
	3	Micro processor Lab	1	> 75%
	4	Analog lab	1	> 75%
Electronic Engineering Technology (Instrument)	1	Workshop	1	> 75%
	2	Digital Workshop	1	> 75%
	3	Analog lab	1	> 75%
	4	Micro processor Lab	1	> 75%
	5	PLC Workshop	1	> 75%
Fabrication & Welding Technology	1	White board	1	> 75%
	2	OHP	1	26-50%
	3	Computer		51 – 75%
	4	Welding equipment		> 75%
Gas Mechanical Technology	1	Pipe workshop	1	> 75%
	2	Workshop	1	> 75%
	3	Workshop	1	51 – 75%
	4	Workshop	1	26-50%
	5	Computer lab	1	> 75%
Manufacturing Mechanical Engineering Technology	1	Lathe machine	12	26-50%
	2	Milling machine	12	26-50%
	3	Milling machine	4	26-50%
	4	Grinding Machine	2	< 10%
Marine Engineering Technology	1	Marine diesel engine	30	> 75%
	2	Marine auxillary & machinery	5	51 – 75%
	3	Work benches	20	> 75%
	4	Welding set	2	51 – 75%
	5	Hand tools		> 75%
Mechatronic Engineering Technology	1	Digital Lab	1	> 75%
	2	Analog Lab	1	> 75%
	3	Mechatronic Lab	1	> 75%
	4	Mechatronic Lab	1	> 75%
	5	Mechatronic Lab	1	> 75%
Soldering Electro Technology	1	Rectifiers	5	> 75%
	2	Plating tanks	50	> 75%
	3	Waste water treatment plant	1	51 – 75%
	4	Polishing machine	3	> 75%
	5	Testing laboratory equipment	6	> 75%
Mechanical Engineering Technology (drawing & design)	1	AutoCAD & computer applications		> 75%
	2	Drawing board c/w drafting machine		> 75%

Course		Type of Equipment	Unit	Usage
Mechanical Engineering Technology (machine maintenance)	1	Computer lab	1	> 75%
	2	CNC simulator	1	26-50%
	3	Direct projector	1	11 – 25%
	4	LCD projector	1	< 10%
	5	OHP	2	> 75%

IKM Alor Setar

Course		Type of Equipment	Unit	Usage
Civil Engineering Technology (structural drawing)	1	White board	3	> 75%
	2	OHP	2	> 75%
	3	Computer	4	51 – 75%
	4	LCD Projector	1	51 – 75%
	5	Screen OHP	2	

IKM Sungai Petani

Course		Type of Equipment	Unit	Usage
Advertising & Graphic Design Technology	1	Computer	17	> 75%
	2	Computer: MAC	17	51 – 75%
Architecture Technology	1	Computer-CAD	38	> 75%
	2	OHP	4	51 – 75%
	3	Drawing board	80	> 75%
	4	Plotter	2	51 – 75%
	5	Blue print machine	1	11 – 25%
Civil Engineering Technology (building)	1	Drawing room	6	51 – 75%
	2	Workshop	7	> 75%
	3	Computer Lab	1	26-50%
	4	Workshop	1	11 – 25%
Civil Engineering Technology (structural drawing)	1	Drawing table and chair	120	> 75%
	2	Computer	40	> 75%
	3	T-square	120	> 75%
	4	Adjustable set-square	120	> 75%
	5	Metric scale	120	> 75%
Electric Engineering Technology (Charge man A1)	1	Allen key set 10 pieces (1.5mm - 10mm)	4	26-50%
	2	Aluminum extension ladder 12' x 12'	4	> 75%
	3	Aluminum folding step ladder 2 m	4	> 75%
	4	AC clamp meter model 2017 Kyoritsu	4	51 – 75%
	5	Anvil 70 kg	1	26-50%
Electric Engineering Technology (domestic & industry)	1	Lecture room	3	26-50%
	2	Workshop	2	51 – 75%
	3	Workshop	2	51 – 75%
	4	Motor Control Lab	1	11 – 25%
	5	Electronic Lab	1	11 – 25%
Electronic Engineering Technology	1	OHP		> 75%
	2	Analog & digital trainer & processor trainer		51 – 75%
	3	PLC trainer kld		
	4	Pneumatic & electro pneumatic training kits		
	5	Computer Lab		

Course		Type of Equipment	Unit	Usage
Furniture Design & Manufacturing Technology	1	Wood lathe	1	26-50%
	2	Planer jointer	1	51 – 75%
	3	Grinder	1	26-50%
	4	Table	13	> 75%
	5	Bench vice	26	> 75%
Interior Design & Upholstery Technology	1	Sewing machine	40	> 75%
	2	Lecture Room	1	> 75%
	3	Workshop	3	> 75%
	4	Air compressor	3	> 75%
	5	LCD projector	1	51 – 75%
Plumbing Technology	1	Steel pipe bender	3	51 – 75%
	2	Press drill	3	51 – 75%
	3	Grinder	3	51 – 75%
	4	Metal cutter	1	51 – 75%
	5	Plate bender	1	51 – 75%

IKM Jasir

Course		Type of Equipment	Unit	Usage
Automotive Engineering Technology (commercial)	1	Section engine diesel	8	> 75%
	2	Section engine petrol	8	51 – 75%
	3	Section auto electrical	2	51 – 75%
	4	Section vehicle technology	4	> 75%
	5	Automotive air-conditioning	1	26-50%
Automotive Engineering Technology (heavy machinery)	1	Bulldozer d4	1	51 – 75%
	2	Wheel loader w 90	1	51 – 75%
	3	Back-hoe loader 580g	1	> 75%
	4	Motor grader 120a	1	26 – 50%
	5	Engine, petrol & diesel	15	> 75%
Diploma in Automotive Mechanical Technology	1	Workshop	3	> 75%
	2	Laboratory		51 – 75%
	3	Machinery		51 – 75%
Electric Engineering Technology (Charge man)	1	Switchboard	4	26-50%
	2	Bay	48	51 – 75%
	3	Motor 3	8	26-50%
	4	PLC	4	< 10%
	5	Feeder pillar	2	26-50%
Electric Engineering Technology (domestic & industry)	1	AC starter motor resistance	10	
	2	Electric motor slip ring	4	
	3	Concrete cutter cm4sa2	3	
	4	Line earth loop tester 2811lp impedance tester	2	
	5	3 phase sequence tester specify and motor rotation	2	
Fabrication & Welding Technology	1	Arc welding machine	48	> 75%
	2	Portable hand grinder	28	> 75%
	3	Oxy. Acetylene gas cutting	3	> 75%
	4	Power saw	1	> 75%
Manufacturing Mechanical Engineering Technology	1	CNC milling	1	> 75%
	2	CNC turning	1	> 75%
	3	Milling machine	10	> 75%
	4	Lathe machine	20	> 75%

Course		Type of Equipment	Unit	Usage
	5	Grinding machine	6	> 75%
Mechanical Engineering Technology (l & r)	1	OHP	2	> 75%
	2	LCD projector	1	> 75%
	3	Flip chart	2	> 75%
	4	Screen tripod	2	> 75%
	5	Computer lab	1	> 75%
Vehicle Body Repairing Technology	1	Lecture room	3	51 – 75%
	2	Room	1	51 – 75%
	3	Mechanical Lab	1	11 – 25%
	4	Store	1	> 75%
Mechanical Engineering Technology (machine maintenance)	1	Drilling machine	5	51 – 75%
	2	Pneumatic set/plc	5	51 – 75%
	3	Hydraulic set	3	< 10%
	4	Computer	8	51 – 75%
	5	Lathe & milling machine	5	< 10%

IKM Kuching

Course		Type of Equipment	Unit	Usage
Automobile Technology	1	Car lift	2	26-50%
	2	Half cut	1	11 – 25%
	3	Table	1	11 – 25%
	4	Chair	1	< 10%
	5	Air conditioner	1	26-50%
Civil Engineering Technology (building)	1	Workshop	20	
	2	Lecture Room	20	
	3	Studio Drawing	20	
	4	Lecture Room	40	
	5	Lecture Room	40	
Electric Technology (domestic & industry)	1	Locker	18	26-50%
	2	Ac/dc motor	13	26-50%
	3	Air-conditioning set	1	< 10%
	4	Computer	4	< 10%
	5	Student table	16	26-50%
Electronic Technology (industry)	1	Foot treadle shear	1	11 – 25%
	2	Silent compressor	5	11 – 25%
	3	Computer table	11	11 – 25%
	4	Air-condition	2	26-50%
	5	Classroom desk	40	26-50%
Fabrication & Welding Technology	1	Air compressor	1	26-50%
	2	Steed locker	2	26-50%
	3	Computer table	2	< 10%
	4	Computer	1	
	5	Chair	2	< 10%
Furniture Design & Manufacturing Technology	1	Chair	32	26-50%
	2	Table	1	26-50%
	3	Oven	1	11 – 25%
	4	Band saw	2	26-50%
	5	Jlg saw	4	26-50%
Marine Engineering Technology	1	Chair	20	11 – 25%
	2	Table	20	11 – 25%
	3	OHP	1	11 – 25%

Course		Type of Equipment	Unit	Usage
	4	Chair	20	
	5	Table & Chair	1	
Plumbing Technology	1	Arc welding machine	5	26-50%
	2	MIG arc welding	1	26-25%
	3	Table	20	11 – 25%
	4	Table and chair	1	
	5	Chair	20	
Vehicle Body Repair Technology	1	Body jack	1	26-50%
	2	Table	1	11 – 25%
	3	Motor	1	< 10%
	4	Computer	1	< 10%
	5	Table	1	

IKM Petaling Jaya

Course		Type of Equipment	Unit	Usage
Electronic Industrial	1	Process control & instrumentation training system	1	
	2	Basic electricity trainer	4	
	3	Digital bench temperature indicator	8	
	4	System trainer for intermediate ac/dc industry Control	1	
	5	Digital insulation tester	4	

IKM Besut

Course		Type of Equipment	Unit	Usage
Electronic Engineering Technology (instrument)	1	Oscilloscope	100	> 75%
	2	Power supply	80	> 75%
	3	Function generator	40	> 75%
	4	Pneumatic & electro pneumatic	6	> 75%
	5	8086 up	4	> 75%

IKBN Bukit Mertajam

Course		Type of Equipment	Unit	Usage
Charge man A1	1	Measuring and testing equipment	300	> 75%
	2	Motor starter & control equipment and PLC	170	> 75%
	3	MSB, projection device & generator set	40	> 75%
	4	Air-condition, fire alarm trainer and simulator	35	> 75%
	5	Over head line unit, cabling system and accessories	100	51 – 75%
Electronic Industrial	1	Test & measuring equipments	180	26-50%
	2	Hydraulic trainer	3	11 – 25%
	3	Pneumatic trainer	3	26-50%
	4	PLC	15	11 – 25%
	5	PCB laboratory	1	11 – 25%
Industrial Mechanic	1	Metrology	4	26-50%
	2	Conventional machine	20	51 – 75%
	3	Welding tools	20	51 – 75%
	4	Hydraulic & pneumatic	4	26-50%
	5	Automation system	12	11 – 50%
Machinist	1	Conventional Machine	30	51 – 75%
	2	Cutting Machine	10	51 – 75%
	3	CAD software	35	51 – 75%
Electric Wiring (PW2)	1	Wiring bay	62	> 75%
	2	Testing Equipment		51 – 75%
Refrigeration & Air-conditioning (domestic)	1	Air-condition trainer	25	26-50%
	2	Air-conditioner unit	124	> 75%
	3	Refrigerator unit	136	> 75%
	4	Gas welding set	15	> 75%
	5	Arc welding set	30	51 – 75%
Tool and Die	1	Machines		> 75%
	2	Computer		51 – 75%
	3	Hand tools		> 75%

IKBN Perlis

Course		Type of Equipment	Unit	Usage
Architecture Draughtsman	1	Computer	44	51 – 75%
	2	Drafting equipment	38	> 75%
	3	Electronic white board	3	> 75%
	4	Technical pens	65	> 75%
	5	Tracing light box with stand	3	26-50%
Building Construction	1	Drafting Equipment	45	26-50%
	2	Tools	45	> 75%
	3	Workshop	1	> 75%
	4	Machines	8	26-50%
Heavy Machine Mechanic	1	Heavy Machine	4	< 10%
	2	Dynamometer test	1	< 10%
	3	Simulation Tool		< 10%
Heavy Vehicle Mechanic	1	Bus	1	< 10%
	2	Lorry	2	< 10%
	3	Dynamometer Test	1	< 10%
	4	Tools		< 10%

Course		Type of Equipment	Unit	Usage
Landscape Nursery	1	Store	1	51 – 75%
	2	Drafting equipment	40	26-50%
	3	Wheel/barrow	4	51 – 75%
	4	Trowel/fork	20	51 – 75%
	5	Others	8	> 75%
Marine Mechanic	1	Marine Diesel Engine	1	> 75%
	2	Boiler Steam Power Plant	1	> 75%
	3	Air-conditioner plant	1	51 – 75%
	4	2 diesel generator power plant	2	51 – 75%
	5	Cummins generator set	1	> 75%
Motor Vehicle Mechanic	1	Vehicle	2	< 10%
	2	4 way drive	2	< 10%
	3	Simulation Tool	8	< 10%
	4	Tools		< 10%
Automotive Spraying & Vehicle Paneling	1	Spray booth	1	< 10%
	2	Vehicle	8	< 10%
	3	Computer	1	< 10%
	4	Tools workshop	1	> 75%

IKBN Miri

Course		Type of Equipment	Unit	Usage
Commercial Vehicle Mechanic	1	Heavy vehicle engine on stand	9	> 75%
	2	Training Vehicle	6	> 75%
	3	Diesel lab	1	51 – 75%
	4	Dyno test room	1	51 – 75%
	5	Vehicle safety test lane	1	51 – 75%
General Machinist	1	Work bench	20	> 75%
	2	Drilling machine	7	> 75%
	3	Lathe machine	20	> 75%
	4	Milling machine	17	> 75%
	5	Surface grinding machine	7	> 75%
Industrial Mechanic	1	Hydraulic training kit	3	> 75%
	2	Electrical System Unit	2	> 75%
	3	Air- compressor unit	2	51 – 75%
	4	Bench Drilling Machine	5	> 75%
	5	Pillar Drill Unit	3	> 75%
Bulldozer Parts Mechanic	1	Track type dozer	1	> 75%
	2	Hydraulic excavator	1	> 75%
	3	Roller	1	> 75%
	4	Scraper	1	> 75%
	5	4wd tractor	1	> 75%
Tool and Mould Maker	1	CNC Machine	6	> 75%
	2	Conventional machine	52	> 75%
	3	CAD-CAM Computer	31	26-50%
Automotive Spraying	1	Spray booth set	1	> 75%
	2	Spray gun	8	> 75%
	3	Paint mixing system	1	> 75%
	4	Radial arm machine set	2	51 – 75%
	5	Car-O-Liner and Car-O-Tronic	1	51 – 75%
Vehicle Mechanic	1	Petrol Engine on Stand	6	> 75%
	2	Diesel Engine on Stand	6	

Course		Type of Equipment	Unit	Usage
	3	Training Car	7	51 – 75%
	4	Vehicle Safety Testing Lane	1	26-50%
	5	Computerized Wheel Alignment Set	1	26-50%

IKBN Jitra

Course		Type of Equipment	Unit	Usage
Furniture Manufacturing	1	Cutting machine	3	> 75%
	2	Cutting Machine	3	> 75%
	3	Sander	1	> 75%
Motor Vehicle Mechanic	1	Motorbike	38	> 75%
	2	Technical Tools		> 75%
Women Dressmaker	1	Sewing machine		> 75%
	2	Side Sewing Machine		51 – 75%
	3	Iron	1	
	4	Table		> 75%
Batik Designer	1	Iron ruler	20	> 75%
	2	Gas stone		51 – 75%
	3	Table		26-50%
	4	Basin		26-50%
	5	Trolley		11 – 25%

IKBN Kinarut

Course		Type of Equipment	Unit	Usage
Architecture Draughtsman	1	Drawing equipment		> 75%
	2	Computer package for CAD design		> 75%
Building Construction	1	Site work hand tools		> 75%
	2	Building materials		> 75%
	3	Civil hand tools		> 75%
Industrial Electronic Technology	1	Digital & Analogue Measurement Devices		> 75%
	2	Oscilloscope		> 75%
	3	Pneumatic & Hydraulic Equipment		51 – 75%
	4	Trainer set		51 – 75%
Refrigeration & Air-conditioning	1	Refrigerator		51 – 75%
	2	Workbench		51 – 75%
	3	Air condition Trainer		51 – 75%
	4	Electrical motor		26-50%

IKBN Sepang

Course		Type of Equipment	Unit	Usage
CNC Technician	1	Conventional Machine	3	11 – 25%
	2	CNC machine	5	> 75%
	3	Measurement tool	2	26-50%
	4	Teaching Assistant Tool	6	11 – 25%
Diploma in Industry Electronic Technology	1	Power supply	10	> 75%
	2	Oscilloscope	5	> 75%
	3	Multi-meter	10	> 75%
	4	Function generator	5	> 75%
	5	Probe	10	> 75%
Diploma in Tools & Press Tool Technology (H-096-2)	1	EDM die sinking machine(CNC)	1	> 75%
	2	EDM wire cutting machine	1	> 75%

Course		Type of Equipment	Unit	Usage
	3	Mould injection machine	1	26-50%
	4	CAD/CAM software (wire cut)	1	11 – 25%
	5	CNC Grinding Machine (micron)	1	> 75%
Grinding Operation Machinist	1	Grinding Machine	5	> 75%
	2	Turning	7	11 – 25%
	3	Milling	4	11 – 25%
	4	Measurement tool	6	11 – 25%
	5	Teaching Assistant Tool	2	26-50%
Industrial Electronic Technician - Tool (e-011-3)	1	Power supply	10	> 75%
	2	Oscilloscope	5	> 75%
	3	Multi-meter	10	> 75%
	4	Function generator	5	> 75%
	5	Probe	10	> 75%
Lathe Operation Machinist	1	Lathe machine	7	> 75%
	2	Grinder	4	11 – 25%
	3	Milling machine	5	11 – 25%
	4	Measurement tool	6	11 – 25%
	5	Teaching Assistant Tool	2	26-50%
Manufactured Engineering Assistant	1	Conventional Machine	3	
	2	CNC Machine	5	
	3	Measurement tool	2	
	4	Teaching Assistant Tool	6	
Milling Operation Machinist	1	Grinding Machine	4	> 75%
	2	Milling Machine	5	11 – 25%
	3	Lathe machine	7	11 – 25%
	4	Measurement tool	6	11 – 25%
	5	Teaching Assistant Tool	2	26-50%
Multimedia Design-Authoring (d-080-2)	1	Computer	20	> 75%
	2	Printer	1	> 75%
	3	White board	1	> 75%
	4	LCD projector	1	> 75%
	5	Scanner	1	> 75%
Tool Design Draughtsman	1	EDM die sinking machine (nc)	1	> 75%
	2	EDM wire cutting machine	1	> 75%
	3	Mould injection machine	1	26-50%
	4	CAD/CAM software (wire cut)	1	< 10%
	5	CNC grinding machine (micron)	1	> 75%
Tool Maker-Plastic Injection Mould (H-097-2)	1	EDM die sinking machine(nc)	1	> 75%
	2	EDM wire cutting machine	1	> 75%
	3	Mould injection machine	1	11 – 25%
	4	CAD/CAM software (wire cut)	1	< 10%
	5	CNC grinding machine (micron)	1	> 75%
Tool Maker-Plastic Injection Mould (H-097-3)	1	EDM die sinking machine (nc)	1	> 75%
	2	EDM wire cutting machine	1	> 75%
	3	Mould injection machine	1	26-50%
	4	CAD/CAM software (wire cut)	1	11 – 25%
	5	CNC grinding machine (micron)	1	> 75%
Tool Maker-Press Tool (H-096-2)	1	EDM die sinking machine (nc)	1	> 75%
	2	EDM wire cutting machine	1	> 75%
	3	Mould injection machine	1	26-50%
	4	CAD/CAM software (wire cut)	1	11 – 25%

Course		Type of Equipment	Unit	Usage
	5	CNC grinding machine (micron)	1	> 75%
	1	EDM die sinking machine (nc)	1	> 75%
	2	EDM wire cutting machine	1	> 75%
Tool Maker-Press Tool (h-096-3)	3	Mould injection machine	1	26-50%
	4	CAD/CAM software (wire cut)	1	11 – 25%
	5	CNC grinding machine (micron)	1	> 75%

Penang Skill Development Centre

Course		Type of Equipment	Unit	Usage
Basic Machining	1	Okamoto surface grinder PFG 350dx	3	> 75%
	2	Okamoto surface grinder PFG acc 350dx	1	> 75%
	3	Manual lathe microwelley ty-1840 TS	4	> 75%
	4	Grinder Machine	1	51 – 75%
	5	Eumega MDV 3 c/w dro (2000)	4	> 75%

Selangor Human Resource Development Centre

Course		Type of Equipment	Unit	Usage
Industrial Automation	1	Industrial Automation Lab	3	> 75%

Negeri Sembilan Skill Development Centre

Course		Type of Equipment	Unit	Usage
Manufacturing Industry Assistant (mechatronic)	1	Computer	50	51 – 75%
	2	Mechanical Lab	20	51 – 75%
	3	Automation	20	51 – 75%
	4	Electrical & motor	20	51 – 75%

Melaka Skill Development Centre

Course		Type of Equipment	Unit	Usage
Manufacturing Industry Assistant (mechatronic)	1	Computer assisted instruction lab	1	11 – 25%
	2	Computer lab	2	11 – 50%
	3	Electronic lab	2	51 – 75%
	4	AutoCAD lab	1	11 – 25%
	5	Pneumatics & hydraulic lab	1	11 – 25%

Sarawak Skill Development Centre

Course		Type of Equipment	Unit	Usage
Artist DTP	1	Water Colour	15	> 75%
	2	Brush	15	> 75%
	3	Mounting Board	15	> 75%
	4	Market	15	> 75%
Computer Network Assistant Technician (D-051-2)	1	Computer	25	> 75%
	2	Networking Kits	8	> 75%
	3	Soldering Workstation	8	11 – 25%
	4	24 port Switch	1	51 – 75%
	5	Hub	4	51 – 75%
Computer Network Technician (D-051-3)	1	Computer	16	> 75%
	2	Networking Kits	8	> 75%
	3	Soldering Workstation	8	11 – 25%
	4	24 port Switch	1	51 – 75%
	5	Hub	4	51 – 75%
Computer System Assistant Technician (D-041-2)	1	Computer	25	> 75%
	2	Laser Printer	1	26-50%
	3	Soldering Workstation	15	> 75%
	4	24 port Switch	2	< 10%
Computer System Technician (D-041-3)	1	Computer	25	> 75%
	2	Oscilloscope	5	11 – 25%

Course		Type of Equipment	Unit	Usage
	3	Soldering Workstation	15	> 75%
	4	24 port Switch	1	< 10%
	5	Monitor	10	11 – 25%
Diploma in Information Technology	1	Lab	3	> 75%
Graphic Design	1	I-Mac G4	17	> 75%
	2	Printer	1	> 75%
	3	Scanner	1	> 75%
	4	Mounting Board	100	51 – 75%
	5	Water Colour	17	51 – 75%
Graphic Design Executive	1	Film black & white	30	51 – 75%
	2	Mounting board	100	51 – 75%
	3	Mount Spray	5	51 – 75%
	4	I-Mac G4	16	> 75%
	5	Printer	1	> 75%
Higher Diploma in Electrical and Electronic Engineering	1	Electronic Lab	2	> 75%
	2	Lecture Room	3	> 75%
	3	Science Lab	1	> 75%
	4	Instrument & Microprocessor Lab	1	> 75%
	5	Computer lab	1	> 75%
Information System Executive (D-060-4)	1	Computer	25	51 – 75%
	2	Printer	1	51 – 75%
	3	Scanner	1	11 – 25%
	4	Film Chart		26-50%
Electric Technician (low)	1	Wiring Bay	26	> 75%
	2	Wiring Tools	26	> 75%
	3	Concrete Bender	10	> 75%
Manufacturing Industry Assistant (H-170-1)	1	SMC Pneumatic Workstation	5	51 – 75%
	2	SMC Portable Kits	6	51 – 75%
	3	Hydraulic Station	4	51 – 75%
	4	SKF Bearing Kit & Workbench	1	26-50%
	5	Tool set	25	> 75%
Manufacturing Industry Assistant (H-170-2)	1	Compressor	3	> 75%
	2	SMC Pneumatic Workstation	5	> 75%
	3	PLC	10	> 75%
	4	Lab volt Board & kits	20	> 75%
	5	Hydraulic Station	4	> 75%
Manufacturing Industry Technician (H-170-3)	1	SMC Pneumatic Workstation	5	> 75%
	2	Omron PLC	10	> 75%
	3	Lab volt board & kits	20	> 75%
	4	Hydraulic station	4	51 – 75%
	5	Computers	21	51 – 75%
Operator Pre-Press	1	Film processor	1	> 75%
	2	Flatted scanner	1	51 – 75%
	3	Plat maker	1	> 75%
	4	Contact Exposure	1	51 – 75%
	5	Developing Unit	1	> 75%
Operator Pre-Press (F-010-2)	1	Film & Plate setter	1	> 75%
	2	Coating machine	1	> 75%
	3	Rotary Silk Screen Printer	5	26 – 50%
	4	Exposure unit	1	51 – 75%

Course		Type of Equipment	Unit	Usage
Mechanical Engineering Drawing (H-050-1)	1	Technical Drawing Table	32	> 75%
	2	Technical Drawing Chair	32	> 75%
	3	T-square	32	> 75%
	4	OHP	1	26-50%
Mechanical Engineering Draughtsman (H-050-2)	1	Technical Drawing Table	20	> 75%
	2	Technical Drawing Chair	20	> 75%
	3	T-square	20	> 75%
	4	OHP	1	26-50%
Assistant IT System Administrator (D-060-2)	1	Computer	50	> 75%
	2	Printer	2	51 – 75%
	3	Fax		11 – 25%
	4	OHP		51 – 75%
IT System Administrator	1	Computer	50	> 75%
	2	Printer	2	51 – 75%
	3	fax	1	11 – 25%
	4	OHP	2	51 – 75%
Pre-press Supervisor	1	Vertical Camera	1	< 10%
	2	Film and Plate setter	1	51 – 75%
	3	Coating machine	1	51 – 75%
	4	Developing unit	1	51 – 75%
	5	Exposure unit	1	51 – 75%

Terengganu Skill Development Centre

Course		Type of Equipment	Unit	Usage
Arc Welding Technology	1	Welding Machine	20	> 75%
	2	Plate Cutting Machine	1	26-50%
	3	Pump Machine	1	< 10%
	4	Gas utility machine	2	> 75%
	5	Grinder Machine	20	> 75%
Architecture Draughtsman	1	Drafting Table	20	51 – 75%
	2	Computer	20	51 – 75%
	3	Drawing Tools	20	51 – 75%
	4	Printer A3		11 – 25%
	5	Plotter		< 10%
Auto CAD Rev Me 2002	1	Computer	25	> 75%
	2	Printer A3	1	11 – 25%
	3	Plotter	1	< 10%
Computer System Assistant Technician	1	Computer	20	> 75%
	2	Vacuum Cleaner	1	11 – 25%
	3		5	11 – 25%
	4	Test pen/Screw driver	20	> 75%
Gas Pipe Installation	1	Welding Machine	6	11 – 25%
	2	Cutting Machine Oxy-acetylene	2	26-50%
	3	Grinder	20	51 – 75%
	4	Tools	20	51 – 75%
Motor Technician	1	Motorcycle <150CC	6	> 75%
	2	Air Compressor 3HP	1	51 – 75%
	3	Tools	20	> 75%
Building Wiring	1	Wiring Bay (wooden)	60	51 – 75%
	2	Wiring Bay (concrete)	8	26-50%
	3	Pipe Bending Machine	20	26-50%

Course		Type of Equipment	Unit	Usage
	4	Multi-meter Ammeter	20	26-50%
	5	Tool	60	> 75%
Assistant IT System Administrator Level II	1	Computer	20	> 75%
Women Dressmaker	1	Sewing Machine	20	> 75%
	2	High Speed Sewing Machine	17	26-50%
	3	Button Sewing Machine	5	26-50%
Women Dressmaker	1	Sewing Machine	20	> 75%
	2	High Speed Sewing Machine	2	26-50%
	3	Button Sewing Machine	2	26-50%

Section C 5 Industry Listing

No	Name	State	Primary Business Activity	Type of Firm	Respondent Name	Respondent Position	Contact Number
1	Leong Bee & Soo Bee S/B	Penang	Structural and Fabricated Metal Products	Local SMI	Mohd Anas Hashim	Assistant Training Officer	04-3906000
2	Prodelcon Sdn Bhd	Penang	Iron and Steel Manufacturing	Local SMI	Chang Chuen Bin	Deputy General Manager	04-6438913
3	Zeenex (M) Sdn Bhd.	Selangor	Industrial and Other Chemicals	Local SMI	Kim Kok Leong	Manager	012-2184276
4	Gallantec Sdn Bhd	Selangor	Structural and Fabricated Metal Products	Local SMI	Jacob Chong	Director	019-3895563
5	CPI (KL) Sdn Bhd	Selangor	Other Manufacturing	Local SMI	Tay Chee Keong	Managing Director	012-2147509
6	SRM Integration (M) Sdn Bhd	Penang	Other Manufacturing	Local SMI	Lee Siew Im	Admin. Dept.	04-6430928
7	Guppy Plastic Industry Sdn Bhd	Penang	Rubber and Plastic Products	Local SMI	TH Tan	Plant Manager	04-5073888
8	RF Communication	Kuala Lumpur	Electrical and Electronic Manufacturing	Local SMI	Mr Wan Raz	Technical Director	03-40433657
9	Guolene Plastics Films Sdn Bhd	Melaka	Rubber and Plastic Products	Local SMI	Kua Sin Kueng	Production Manager	06-2322177
10	Dynacraft Industries Sdn Bhd	Penang	Other Manufacturing	Local LSI	Husniza bin Husin	Training Officer	04-6429714
11	Texas Instrument (M) Sdn. Bhd.	Kuala Lumpur	Electrical and Electronic Manufacturing	Local LSI	VP Murugan	Training Manager	03-42502293
12	Matronic Handing System (M) Sdn Bhd	Johor	Other Manufacturing	Local LSI	Cara Chew	Assistant Manager, Admin & Personnel	07-4556333

No	Name	State	Primary Business Activity	Type of Firm	Respondent Name	Respondent Position	Contact Number
13	Long Bow Manufacturing Sdn Bhd	Melaka	Other Manufacturing	Local LSI	Bong Kwan Chin	Admin Manager	06-2632288
14	BCM Electronic Corp Sdn Bhd	Kedah	Electrical and Electronic Manufacturing	Local LSI	Baharushah Hussan	Director of Operation	04-4033180
15	Transicoil (Malaysia)	Melaka	Electrical and Electronic Manufacturing	Non-Japanese MNCs SMI	Wee Tiong Seng	Managing Director	06-2328433
16	Fairchild Semiconductor Sdn Bhd	Penang	Electrical and Electronic Manufacturing	Non-Japanese MNCs Large	-	-	04-6437211
17	Stats Chippac Malaysia Sdb Bhd	Kuala Lumpur	Electrical and Electronic Manufacturing	Non-Japanese MNCs Large	Neela Palamisang	Training Manager	03-42566011
18	Finisar Malaysia Sdn Bhd	Perak	Electrical and Electronic Manufacturing	Non-Japanese MNCs Large	Sarimah Abu Bakar	Human Resource Manager	05-2917800
19	Flextronics Technologies	Johor	Electrical and Electronic Manufacturing	Non-Japanese MNCs Large	Chan Kuok Chow	Training Officer	07-5972645
20	Belfontech Sdn Bhd	Johor	Electrical and Electronic Manufacturing	Non-Japanese MNCs Large	Susana Zainal Abidin	HR Executive	07-5982088
21	Panasonic Refrigeration Industries (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC Large			
22	Yokogawa Electric (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC Large			
23	Pioneer Technology (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC Large			
24	Tim Electronics Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC Large			

No	Name	State	Primary Business Activity	Type of Firm	Respondent Name	Respondent Position	Contact Number
25	Sharp-Roxy Electronics Corporation (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC Large			
26	Shinko Electronics (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC Large			
27	Panaspic AVC Networks Kuala Lumpur (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC Large			
28	Sharp-Roxy Corp (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC Large			
29	Sharp Manufacturing Corp (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC Large			
30	Oriental Hitachi Construction Machinery Sdn Bhd	-	Machinery	Japanese MNC Large			
31	Matomek Precision Electric Die Sdn Bhd	-	Metal Product	Japanese MNC Large			
32	Diamet Klang (M) Sdn Bhd	-	Metal Product	Japanese MNC Large			
33	Sumitomo Electric Sintered Component (M) Sdn Bhd	-	Metal Product	Japanese MNC Large			
34	Okumura Metals (M) Sdn Bhd	-	Non-Ferrous Metal	Japanese MNC Large			
35	Tateyama Auto Machine Co. (M) Sdn Bhd	-	Others	Japanese MNC Large			
36	Fujitsu (M) Sdn Bhd	-	Others	Japanese MNC Large			
37	Sanko Sangyo (M) Sdn Bhd	-	Others	Japanese MNC Large			

No	Name	State	Primary Business Activity	Type of Firm	Respondent Name	Respondent Position	Contact Number
38	Tylon Manufacturing (M) Sdn Bhd	-	Others	Japanese MNC Large			
39	Totoku (M) Sdn Bhd	-	Others	Japanese MNC Large			
40	Dipsol (M) Sdn Bhd	-	Others	Japanese MNC Large			
41	Shin Ei Hi-Tec (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC SMI			
42	Yamatake Automation (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC SMI			
43	Ohnishi Electronics (M) Sdn Bhd	-	Electric, Machine & Apparatus	Japanese MNC SMI			
44	Kawahara Engineering Works Sdn Bhd	-	Machinery	Japanese MNC SMI			
45	Ohshima Kogyo (M) Sdn Bhd	-	Metal Product	Japanese MNC SMI			
46	Sumikei (M) Sdn Bhd	-	Metal Product	Japanese MNC SMI			
47	Nihon Superior (M) Sdn Bhd	-	Non-Ferrous Metal	Japanese MNC SMI			
48	Yuasa Mechatronics (M) Sdn Bhd	-	Others	Japanese MNC SMI			
49	Hitachi Asia (M) Sdn Bhd	-	Others	Japanese MNC SMI			

SECTION D

INSTITUTIONAL INTERVIEW NOTES

Section D Institutional Interview Notes

Interview Note 1: Ministry of Human Resources (Manpower Department)

Notes of Meeting with Ministry of Human Resources, Manpower Department on October 7, 2004 at 2 p.m.

Present: En. Shamsudin b. Jamil, Principal Assistant Director, Research & Planning
En Kamaruzaman, Director ITI Sandakan
En. Mohd Sani Saian, Assistant Director, Research & Planning
En. Mohd Rizal Ramly, Assistant Director, Research & Planning
Mr Megumu Fukumi, JICA Expert on HRD
Mr Takahashi Kotaro, JICA HQ
Mr Hitoshi Ara, JICA Malaysia Office
Ms Lim Pao Li, PE Research

Background

The objective of the Manpower Department of the Ministry of Human Resources is to assist towards optimum use of manpower through industrial training programmes, emplacement of job-seekers, making available employment services and providing labour market information.

Introduction

Mr H Ara introduced the study team and explained the background of the baseline survey. He stated the objectives of the meeting which is to seek the support of the Manpower Department for the study team to carry out the survey and interviews with the various vocational training institutions (VTIs) that are under their charge, viz. the Industrial Training Institutions and the ADTECs. The baseline study will also be seeking the views of industry regarding their skill needs. All these findings will be included in the report which will be made available to the Manpower Department.

Study Approach

To explain the project in greater detail, Ms Lim then gave an overview of the study approach:

- Survey of VTIs under the MOHR (ITI, ADTEC, JMTI and CIAST), MoHEd (ILPs and Community Colleges), MARA (IKM MARA, Advanced Skills Training Institutes, GMI, BMI, MFI and MSI); the various skills development centres; industry association training institutes (e.g. FMM-IM, MATAC and MPMA Plastics Centre) to compile basic information on VTIs as well as to understand their issues related to capacity, curriculum, facilities, training system.
- Interviews with departments and agencies with policy and/or programme role in industrial vocational training – EPU (HR Section), MOHR (Manpower Department, NVTC), MoHEd, MARA etc to obtain basic information of policy and programme on industrial development with special reference to industrial HRD, budget allocation on HRD
- Interviews/survey with industry associations, MNCs and large Malaysian industries to determine their industrial skill needs.
- Compilation of secondary information/data.
- Findings to be discussed at workshops.

Discussions

JICA has been sending out its Senior Volunteers (SVs) to various VTIs and they will be submitting their view on how to improve the curriculum and methodology of training at the VTIs. Their views and comments will be prepared and will be submitted to the Manpower Department too.

Encik Shamsudin agreed to arrange for a letter of support from the Ministry but JICA will first have to submit the request in writing to the department. Ms Lim to inform MOHR as well as Mr Fukumi of appointment schedule with VTIs so that they may attend some of the interviews too.

The study team received two documents from the Manpower Department – the Annual Report 2002 (the 2003 Annual Report is still not ready) and the Seminar Guide 2004.

Interview Note 2: Economic Planning Unit (EPU), Human Resource Section Notes of Meeting with EPU on October 7, 2004 at 3.30 p.m.

Present: Mr Othman Mustapha, Principal Assistant Director, HR Section
Puan Noor Zaidah Dahalan, Principal Assistant Director, HR Section
Mr Megumu Fukumi, JICA Expert on HRD
Mr Takahashi Kotaro, JICA HQ
Mr Hitoshi Ara, JICA Malaysia Office
Ms Lim Pao Li, PE Research

Introduction

Mr H Ara introduced the study team and explained the background of the baseline survey. He informed the meeting that the study team has met up with MOHR earlier. The objective of the study is to gather basic information to support Japanese Technical Cooperation in HRD as well as to identify appropriate areas for Senior Volunteers in vocational training. The study will be conducted through surveys and interviews with the various vocational training institutions viz. ITI, ADTEC, ILP, Community Colleges, IKM MARA etc. The baseline study will also be seeking the views of industry regarding their skill needs.

Currently there are already about 20 SVs in Malaysia. The MOHR has also requested JICA to continue to provide Technical Cooperation and to send more SVs. At the same time JICA has to explain the impact of the SV activities and programmes to the Japanese public. As such it is necessary to review the activities and to prepare for the future.

Study Approach

To explain the project in greater detail, Ms Lim then gave an overview of the study approach:

- Survey of VTIs under the MOHR (ITI, ADTEC, JMTI and CIIAST), MoHEd (ILPs and Community Colleges), MARA (IKM MARA, Advanced Skills Training Institutes, GMI, BMI, MFI and MSI); the various skills development centres; industry association training institutes (e.g. FMM-IM, MATAC and MPMA Plastics Centre) to compile basic information on VTIs as well as to understand their issues related to capacity, curriculum, facilities, training system.
- Interviews with departments and agencies with policy and/or programme role in industrial vocational training – EPU (HR Section), MOHR (Manpower Department, NVTC), MoHEd,

MARA etc to obtain basic information of policy and programme on industrial development with special reference to industrial HRD, budget allocation on HRD

- Interviews/survey with industry associations, MNCs and large Malaysian industries to determine their industrial skill needs.
- Compilation of secondary information/data.
- Findings to be discussed at 3 workshops which will be held towards the end of the year.

Discussions

The meeting discussed how the curricular of vocational institutions are formulated and suggested that the study team meet up with the NVTC to learn more about how they translate standards that are developed by industry into training curriculum. (Contact person – Mr Pang, DDG).

Regarding mid-term to long-term plans for vocational training – the move is towards a dual system (referred to the 1999 TA on Dual System (GTZ study)). EPU suggested that the study team also look into e-learning in VTIs as this is one area where JICA can also have inputs.

The Executive Summary of the Draft HRD Master Plan which was presented at the Stakeholder Workshop on September 21, 2004 as well as the GTZ Study on Work, Technology and Training in the Manufacturing Sector of Malaysia's Industry (April 2000) was given to the study team.

Interview Note 3: Ministry of Higher Education

Notes of Meeting with MoHEd on October 15, 2004 at 2.30 p.m.

Present: Tuan Haji Imran b. Idris – Director, Community Colleges Division
Dr. Abdul Rahim b. Ahmad – Deputy Director, Community Colleges Division
Ms. Fazilah Isa, Community Colleges Division
Ms. Ida Bakar, Community Colleges Division
En. Mat Aris Abdul Hadi, Academic Unit, Community Colleges Division
Ms. Mohana Rani Chellathurai, Assistant Director, Polytechnic Division
Mr Takano Akira - Advisor, Integrated Manufacturing Technology (SV)
Mr Takeda Akihiko – Advisor, Electric & Electronic Technology (SV)
Mr Hitoshi Ara, JICA Malaysia Office
Ms Lim Pao Li, PE Research
Mr Greg Lopez, PE Research

Introduction and Objectives

After a round of introductions, and explanation on the purpose of the study by Mr Ara, Tuan Hj Imran gave a brief introduction on Community Colleges (CC) and their roles. He also explained the main differences between CC and polytechnics -

- CCs provide more hands-on application i.e. 75% practical and 25% theory
- CCs provide an atmosphere of formal learning to those who have left the schooling system
- They provide life – long and adult learning

- They only offer certificate level
- They also charge very low rates.

Studies have shown that after SPM only 40% of students get to go for higher education. That leaves 60% who are joining the workforce without skills. The role of CCs is to capture at least some of those who have left school and do not have skills. The main tasks are to fill the skill levels above artisans (labour without skills) and those below technically skilled labour (graduates of polytechnics).

CC focus on providing short-courses (1) for the community and (2) to upgrading of skills.

The long-term target is to have one CC: 40,000 population [1:40,000] which is the standard in Canada and the USA. The idea is to provide "Training at your doorstep". Currently the response has been overwhelming especially for the short-courses. There are about 14,000 students currently attending these courses.

CCs also offer education and training including subjects such as English, Maths and entrepreneurial skills. There is also a bridging programme for CC leavers to continue in polytechnics.

Ms. Mohana Rani briefed that there are currently 19 polytechnics with one planned for 2005. There are approximately 50,000 students entering polytechnics annually. Polytechnics offer certificates and diplomas, which are equivalent to levels two (2) and three (3) of the NVTC certification scheme. Curricula of polytechnics are generally 50:50 theory and practical. Traditional engineering courses are the general focus. In addition new courses focusing on services are also offered. Essentially polytechnics produce technicians.

Co-ordination among Public Sector Providers

There are currently four main sponsors of VET (although the actual lists are more). They are:

- Ministry of Education - formal schooling system for secondary school.
- Ministry of Higher Education – polytechnics – formal schooling system – higher education but not tertiary level. Community colleges – provision of formal learning to people who have left the schooling system.
- Ministry of Human Resource Development – to train workers – reskilling and upgrading
- Ministry of Entrepreneurial and Cooperative Development – MARA – Bumiputera students

Other Ministries and agencies also sponsor VET. Their mandates decide their target groups; e.g. Ministry of Youth and Sports caters for youths who have dropped out of the school system and therefore provide youth training centres. Among the public sector VET providers, the MoEd/MoHEd is the most cost effective.

Curriculum Development and Staffing

Tuan Hj Imran and Ms. Mohana noted that while there is no formal co-ordination mechanism in place among the various public providers of VET, at the national level it is co-ordinated by EPU. However the MoHEd and MoHR do compare the curricula. The curricula of are also compared internationally (against Japan, US, etc). Polytechnics and CC also have SV who advise them on curricula development. In addition there is the National Advisory Committee with representatives from industry, government and the state to assist in curriculum development. The Advisory Committee meets once in 6 months. There is also a High Level

Committee at NVTC. At the college level there is also a committee for curriculum development. This committee meets as and when the need arises.

Most of the curricula are developed according to needs and the equipments are purchased according to the courses/curriculum offered and the budget.

Availability of lecturers is always a challenge. Recruitment of lecturers for CCs is carried by JPA through the open market. For polytechnics they have structured programmes to develop their human resource. Each training institution also has a HR plan.

Evaluation

Ms. Mohana pointed out that the polytechnics conduct "Tracer Studies" every year among their graduates to evaluate issues such as – (i) how long did it take for the students get jobs, (ii) the salary range, (iii) employee satisfaction etc.

All polytechnics generally offer the same courses although some are noted for certain specialisations: Polytechnic Ungku Omar (Ipoh) is prestigious as it is the first and the only polytechnic to offer marine engineering, Polytechnic Shah Alam is popular due to its location in the Klang Valley, Polytechnic Kuching for petroleum, Polytechnic Sabah for IT.

International Volunteers

Ms. Mohana noted that there are currently JSVs attached to some of the polytechnics and they are used to train lecturers. JSVs have also helped to set-up laboratories and train staff and on development and planning (and advice on developing curriculum). This is believed to be the most optimal use of their skills. In the past, the volunteers were used to provide lectures to students but students found it difficult to cope due to language problems. Furthermore due to the skill level it was not an optimal use of their services.

Other international volunteers that have worked with the VET programme were the Peace Corps during the 1960s.

Linkages with Industry

According to Ms Mohana, polytechnics have good linkages with the industry which have been developed over the years. She informed the meeting that each college has one officer to look into industrial placements. The lecturers also monitor the work of students while at industrial training. CCs also have links with industry for industrial training.

The tracer studies have helped to address issues raised.

Polytechnics also have time sector programme whereby industry can use polytechnic facilities for learning and training purposes. This scheme is covered by HRDF. Communications seems to be a favoured subject requested by the industry.

This year (2004), the first batch of from CCs will be graduating.

The new VET objective is to create a knowledge worker (OPP3). The JSVs are also advising on developing the new HRD/VET Policy. It is scheduled to be launched end of the year.

Interview Note 4: Majlis Amanah Rakyat (MARA)

Notes of Meeting with MARA (Training and Skills Division) on October 20, 2004 at 12.30 p.m.

Present: Tn. Hj. Anwar Hashim - Director
En. Ismail Hj Shahadan - Deputy Director – Development
En. Saharuddin Abdul Hamid – Deputy Director (Curriculum)
En. Rusli Abdul Rahman – Deputy Director (Learning Resources)
Pn. Salmah Hayati Ghazali – Deputy Director (Management Services)
Pn. Zarinah Idrus – Deputy Director (Research and Promotion)
Pn. Fadhilah Shukor - Deputy Director

Ms Lim Pao Li, PE Research
Mr Greg Lopez, PE Research

Introduction and Objectives

Ms Lim gave an overview of the objectives of the study as well as on the purpose of the meeting, i.e. to seek the cooperation and assistance of MARA for the survey/interview that is being conducted as part of the study as well as to develop a better understanding of the role of MARA with respect to provision of vocational training especially for the industrial sector.

The Director then explained that under MARA, the provision of vocational training is carried out by Training and Skills Division (which is responsible for the IKMs and the GIATMARA) as well as by the Higher Education Division. (which is responsible for the higher skills training institutes e.g. BMI, GMI, MFI, and MSI). According to him these various institutions cater to the different levels of VET. GiatMARA provides basic training (and the entry criterion is low – can read and write), while IKMs are for those with average results with a focus on entrepreneurship and semi-skilled professions.

Co-ordination among Public Sector Providers and Approach to Vocational Training

Tn. Hj Anwar noted that there is no formal co-ordinating mechanism among the various providers of VET; however EPU provides the co-ordination when specific issues need to be addressed. EPU also looks at vocational training at the macro level (e.g. EPU will decide infrastructure and budget allocations according to the Ministry needs). EPU also works with NVTC on to improve learning resources. Tn. Hj noted that in addition to NOSS, each Ministry has its own standards and evaluation system. MARA follows the CGPA system whereas IKBN (Ministry of Youth and Sports) uses a competency system. IKMs all follow NOSS but add on (60%) to the NOSS requirements e.g. religious lessons, mathematics, English, entrepreneurship and IT.

While MARA's approach to VET is guided by government policies, it is also contingent upon the needs of industry. Currently, MARA is developing a strategic plan with regards to VET and the goal is to increase its output. This strategic plan will address the various issues pertaining to the provision of VET.

Key Challenges

Tn. Hj noted that the key need of industry is for graduates to be able to start work immediately. To address this issue MARA has programmes that send student for in-plant training, with lecturers monitoring the students. Students are sent to companies that have a commitment to industrial training. Currently the industrial attachment is not compulsory for students except for courses on E&E, oil and gas and chergeman. He further pointed out that there are mismatches between the training received and the needs of industry e.g. in the case of the furniture industry due to technology changes. The manufacturing trend in the

furniture industry is to produce knocked-down parts for assembly. Therefore, the MARA students do not get a chance to utilise their skills as they are only used mainly as production workers.

To address these challenges, the Skills Division (MARA) plans to organise an industrial forum to seek views of industry. Over the years, they have developed informal links but would like to formalise these arrangements.

Some of the other challenges they face (as in the case of all public institutions) include the following:

- Lecturers – there are not enough posts. The number of posts has not kept pace with the increasing enrolment. More alarming is that there are not enough qualified applicants to fill posts available.
- The salary gap between the public and private sectors. MARA is unable to attract quality lecturers.

However MARA is taking some proactive actions to address these challenges including getting UPM to develop a HR master plan. In addition, MARA instructors are sent to Japan for training as part of the Look East Policy. There are no problems with student intake as they are more than fully subscribed.

Industry Linkages

While the private sector has been supportive there are no formal links. Some examples of industry support: Honda has donated equipment and allowed placement of students for industrial training. There is a programme with Osaka – Japan where trainers can go. The local players such as Petronas, Perodua and HICOM DRB also have provided some assistance with Petronas being a very strong supporter.

Assistance from Japan

JICA has assisted in 3 specific projects:

- JSV – automotive (Lumut)
- JICA helped set-up a marine technology project in JB (1981) - gave equipment and sent experts.
- Kg. Pandan centre

MARA is interested in certain specific areas e.g. robotics, CNC, pneumatics – to train lecturers.

Other Relevant Points

MARA has conducted tracer studies in the past but has stopped (since the financial crisis). More recently IKM also conducted a survey of their graduates during convocation (6 months after final term ends) on their ability to find jobs; however the results of the survey are still being analysed.

With regards to observation by the TEST study (1999) on the need to upgrade GiatMARA, the Director informed us that MARA has identified few GiatMARA centres to be upgraded (minimally) i.e. facilities, courses. Each GiatMARA centre can take in 120 – 180 students (3 courses - 60 each). Upgrading of these centres also depend on the courses which are decided by the community and vary based on location.

MARA has two divisions dealing with vocational skills development – the Kemahiran/Skills training division which provides certificate courses as well as a few diploma courses (through