

**KURSUS JANGKA PENDEK DI ILP KEPALA BATAS TAHUN 2014/2015**  
**SHORT TERM COURSES OFFERED AT ILP KEPALA BATAS 2014/2015**

**Untuk maklumat lanjut sila hubungi:**

Institut Latihan Perindustrian (ILP) Kepala Batas, Lot 2022, Jalan Pokok Jenerih 13200 Kepala Batas Seberang Perai Utara Pulau Pinang  
 || Tel: 04-5776100 || Faks: 04-5776144 || website: www.ilpkbpp.gov.my

BIL NO	BAHAGIAN DEPARTMENT	KOD KURSUS COURSE CODE	TAJUK KURSUS COURSE TITLE	KANDUNGAN KURSUS COURSE CONTENT	TEMPOH (JAM) DURATION (HRS)	BILANGAN PESERTA (orang) CAPACITY (pax)	YURAN / PESERTA FEES/PAY (RM)	PEGAWAI UNTUK DIHUBUNGI CONTACT PERSON
1	Teknologi Elektronik Industri	IE - 001	Basic Digital Electronic	1. Identify digital logic gates 2. Identify and use flip-flop sequential logic circuit 3. Use implementation interfacing to the analog world	24	10	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
2	Teknologi Elektronik Industri	IE - 002	Pneumatics	1. Introduction to pneumatic system 2. Basic air pressure system 3. Valve control 4. Cylinder & pneumatic test	24	8	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
3	Teknologi Elektronik Industri	IE - 003	Hydraulics	1. Introduction to hydraulic system 2. Valve control 3. Cylinder & hydraulic test	24	8	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
4	Teknologi Elektronik Industri	IE - 004	LCD Display Troubleshooting	1. Introduction to LCD display 2. LCD display function 3. Fault finding 4. Troubleshooting step	24	10	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
5	Teknologi Elektronik Industri	IE - 005	Basic and Advanced PLC	1. Introduction to PLC 2. Writing basic PLC program 3. Connect input / output to PLC 4. Logic and sequence projects 5. Troubleshooting techniques 6. Practical exercises	48	10	240.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
6	Teknologi Elektronik Industri	IE - 006	Basic Electronics	1. Introduction to basic electronic devices such as resistor, capacitor, step down, transformer 2. Simple electronic projects	48	10	240.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
7	Teknologi Elektronik Industri	IE - 007	Stepper Motor	1. Design and stepper motor application 2. Type of stepper motor 3. Stepper motor control 4. Normal operation mode used in stepper motor 5. Simulation on fault	24	8	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
8	Teknologi Elektronik Industri	IE - 008	Electronic Project (Basic)	1. Introduction to electronic schematic 2. Basic electronic component 3. Soldering & desoldering 4. Construct basic electronic circuit	24	10	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
9	Teknologi Elektronik Industri	IE - 009	Electronic Project (Intermediate)	1. Printed Circuit Board (PCB) design 2. Construct electronic circuit 3. Testing circuit function	24	10	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
10	Teknologi Elektronik Industri	IE - 010	Basic Power Electronic	1. Introduction to power electronic components (diac, triac, SCR, UJT, IGBT, thyristor) 2. Power electronic application 3. Circuits analysis/characteristic	24	10	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
11	Teknologi Elektronik Industri	IE - 011	Service and Troubleshooting Laptop	1. Introduction to hardware 2. Combination hardware and software 3. Fault finding 4. Troubleshooting step	32	10	160.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
12	Teknologi Elektronik Industri	IE - 012	Basic PIC Microcontroller	1. Introduction to PIC microcontroller 2. Electronics interface for microcontroller 3. Basic PIC programming	32	10	160.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
13	Teknologi Elektronik Industri	IE - 013	Process Control	1. Analyze and apply basic concept of control 2. Understand control definition 3. Apply electronic process control 4. Use open loop and closed loop control 5. Analyze typical application (control diagram)	24	10	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
14	Teknologi Elektronik Industri	IE - 014	Sequence Control	1. Introduction to sequence control 2. Automatic control system 3. Basic components (contact, input/output device & control device) 4. Sequence control diagram	24	10	120.00	Nama : Shamimi binti Khasim No Tel :04-5776100 EXT 230 Emel : shamimi@itm.gov.my
15	Elektrik	ELEK - 001	Pendawai Elektrik Satu Fasa (PW2)	1. Keselamatan elektrik 2. Asas elektrik 3. Lukisan elektrik 4. Pendawaian permukaan satu fasa 5. Pendawaian permukaan tersembunyi (conceal) satu fasa 6. Pendawaian permukaan kondukt/trunking satu fasa 7. Pendawaian rumah contoh 8. Pengujian pemasangan	300	20	1,650.00	Nama : Yusni binti Abdul Rahim No Tel : 04-5776100 EXT 222 Emel : yusni.a@itm.gov.my
16	Elektrik	ELEK - 002	Pendawai Elektrik Tiga Fasa (PW4)	1. Akta Bekalan Elektrik 1990 & Peraturan-peraturan Elektrik 1994 & IEE Regulation - 16th Edition 2. Pemulihan Pernafasan, pertolongan cemas dan rawatan renjatan elektrik. 3. Pengetahuan Teknologi Elektrik 4. Kabel & Kabel Bawah Tanah 5. Pendawaian 6. jenis - jenis alat ujian 7. Transformer 8. Perkakas suis dan papan agihan TPN 9. Perlindungan litar 10. Pembumian 11. Sistem perlindungan kilat 12. Motor Elektrik 3Ø 13. Rekabentuk pemasangan elektrik	300	20	1,800.00	Nama : Yusni binti Abdul Rahim No Tel : 04-5776100 EXT 222 Emel : yusni.a@itm.gov.my

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17	Elektrik	ELEK - 003	Penjaga Jentera Elektrik A0	1. Akta Bekalan & Peraturan Elektrik 1990 2. MS IEC 60364 3. Pemulihan Pernafasan dan Pertolongan Cemas 4. Asas Elektrik 5. Asas Pendawaian 6. Alat Ukur & Alat Uji 7. Kabel Bawah Tanah 8. Motor Elektrik 9. Kawalan Motor 10. Transformator Kuasa 11. Papan Suis Utama	480	20	2,500.00	Nama : Yusni binti Abdul Rahim No Tel : 04-5776100 EXT 222 Emel : yusni.a@jtm.gov.my
18	Elektrik	ELEK - 004	Penjaga Jentera Elektrik A1	1. Akta Bekalan & Peraturan Elektrik 1990 2. MS IEC 60364 3. Pemulihan Pernafasan dan Pertolongan Cemas 4. Asas Elektrik 5. Asas Pendawaian 6. Alat Ukur & Alat Uji 7. Kabel Bawah Tanah 8. Motor Elektrik 9. Kawalan Motor 10. Transformator Kuasa 11. Papan Suis Utama 12. Talian Atas Voltan Rendah 13. Lampu Jalan	540	20	2,900.00	Nama : Yusni binti Abdul Rahim No Tel : 04-5776100 EXT 222 Emel : yusni.a@jtm.gov.my
19	Instrumen (Kawalan Proses)	IKP - 001	Basic Automation Using MPS	1. Combination System in Automation Technology 2. Input and output wiring 3. Familiarize with PLC software and programming 4. Interface hardware and software 5. Troubleshoot PLC and overall system	24	5	150.00	Nama : Mohd Gadaffi Bin Zamberi No Tel : 04-5776100 EXT 210 Emel : mohdgadaffi@gmail.com
20	Instrumen (Kawalan Proses)	IKP - 002	Teaching Techniques in Instrumentation and Control	1. Terminology and engineering units 2. Fundamentals of process control 3. Process measurement 4. Control signal 5. Noise and damping factor 6. Final control elements 7. Controller tuning techniques 8. Calibration techniques and calibration	40	5	850.00	Nama : Mohd Gadaffi Bin Zamberi No Tel : 04-5776100 EXT 210 Emel : mohdgadaffi@gmail.com
21	Instrumen (Kawalan Proses)	IKP - 003	Industrial Process Controller Tuning	1. Process control review 2. Open loop process identification 3. Optimum controller setting 4. PID controllers, load disturbance and set point change tests 5. Cascade control design 6. Tuning strategies	40	5	850.00	Nama : Mohd Gadaffi Bin Zamberi No Tel : 04-5776100 EXT 210 Emel : mohdgadaffi@gmail.com
22	Instrumen (Kawalan Proses)	IKP - 004	Electro-pneumatic and pneumatic	1. Basic of pneumatic and electro-pneumatic components and operations 2. Circuit wiring and operation 3. Troubleshooting	24	5	150.00	Nama : Mohd Gadaffi Bin Zamberi No Tel : 04-5776100 EXT 210 Emel : mohdgadaffi@gmail.com
23	Instrumen (Kawalan Proses)	IKP - 005	Instrument Calibration	1. Install signal transmission lines and components 2. Calibrate pressure gauge 3. Calibrate switch 4. Calibrate pneumatic and electrical converter 5. Calibrate transmitter	16	5	150.00	Nama : Mohd Gadaffi Bin Zamberi No Tel : 04-5776100 EXT 210 Emel : mohdgadaffi@gmail.com
24	Instrumen (Kawalan Proses)	IKP - 006	Maintenance Instrument Equipment	1. Function check on switch 2. Troubleshoot on transmitter 3. Service IAS equipment	16	5	150.00	Nama : Mohd Gadaffi Bin Zamberi No Tel : 04-5776100 EXT 210 Emel : mohdgadaffi@gmail.com
25	Instrumen (Kawalan Proses)	IKP - 007	Basic Analytical Instrumentation	1. Basic analytical plant process and functionality 2. Basic analytical process and application 3. Chemicals preparation activity	16	5	300.00	Nama : Mohd Gadaffi Bin Zamberi No Tel : 04-5776100 EXT 210 Emel : mohdgadaffi@gmail.com
26	Instrumen (Kawalan Proses)	IKP - 008	Process Dynamic Operation	1. Analyse critical performance 2. Sensor, maintenance and testing 3. Loop variables interaction testing 4. Loop dynamic testing 5. Process model testing	16	5	150.00	Nama : Mohd Gadaffi Bin Zamberi No Tel : 04-5776100 EXT 210 Emel : mohdgadaffi@gmail.com
27	Instrumen (Kawalan Proses)	IKP - 009	Industrial Maintenance	1. Asas penyelenggaraan 2. Pembangunan Selenggara	32	5	650.00	Nama : Mohd Gadaffi Bin Zamberi No Tel : 04-5776100 EXT 210 Emel : mohdgadaffi@gmail.com
28	Tek. Penyejukbekuan & Penyejukan Udara	PPU - 001	Servis Unit Penyejukan Udara Domestik	1. Asas keselamatan 2. Jenis Peralatan dan Bahan 3. Membuka komponen utama/pumpdown 4. Mencuci penyejat & pemeluaup -chemical cleaner	8	10	199.00	Nama : Norliazri bin Osman No Tel : 04-577600 EXT 243 Emel : noliazri@jtm.gov.my
29	Tek. Penyejukbekuan & Penyejukan Udara	PPU - 002	Pemasangan Unit Penyejukan Udara Domestik	1. Asas keselamatan 2. Jenis Peralatan dan Bahan 3. Tinjauan tapak projek 4. Kerja-kerja menebuk lubang/pelekap 5. Pasang indoor unit 6. Pasang outdoor unit/braket 7. Wiring dan DOL starter 8. Ujicuba dan Uji tauliah	24	10	309.00	Nama : Ulul Azumi bin Abdul Hamid No Tel : 04-577600 EXT 244 Emel : uazumi@jtm.gov.my

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30	Tek. Penyejukbekuan & Penyamanan Udara	PPU - 003	Kerja Paip Penyamanan Udara	1. Asas keselamatan 2. Jenis peralatan tangan dan bahan 3. Kerja potong tiub kumprum 4. Kerja & teknik melulus /pinch /flaring /swaging pembinaan paip refrigeran 5. Kerja brazing /ujicuba kebocoran	8	10	210.00	Nama : Abdul Rani bin Shariff No Tel : 04-5776100 EXT 242 Emel : abd_rani@jtm.gov.my
31	Tek. Penyejukbekuan & Penyamanan Udara	PPU - 004	Penyelenggaraan Sistem Air-Cooled Packages	1. Asas keselamatan 2. jenis peralatan dan bahan 3. Membuka komponen utama/pumpdown 4. Mencuci penyejat & pemeluaup-chemical cleaner 5. Memasang penyejap /pEmeluaup 6. Mencuci air filter/ sistem vakum	8	10	215.00	Nama : Abdul Rani bin Shariff No Tel : 04-5776100 EXT 242 Emel : abd_rani@jtm.gov.my
32	Tek. Penyejukbekuan & Penyamanan Udara	PPU - 005	Penyelenggaraan Sistem Water-Cooled Packages dan Cooling Tower	1. Asas keselamatan 2. Jenis Peralatan dan Bahan 3. Membuka komponen utama/recovery machine refrigerant 4. Mencuci pEmeluaup -chemical cleaner 5. Mencuci cooling tower 6. Mencuci air filter 7. Water treatment 8. Flushing system, water pipe with high pressure water jet 9. Penyelenggaraan motor pump	16	10	248.00	Nama : Ulul Azumi bin Abdul Hamid No Tel : 04-577600 EXT 244 Emel : uazumi@jtm.gov.my
33	Tek. Penyejukbekuan & Penyamanan Udara	PPU - 006	Projek Litar Kawalan 1 Fasa dab 3 Fasa untuk Sistem Penyaman Udara	1. Asas keselamatan 2. Jenis Peralatan dan Bahan 3. Membaca lukisan elektrik 4. Membuat litar kawalan 1 fasa 5. Ujicuba 6. Membuat litar kawalan bintang-3 fasa 7. Ujicuba di motor	24	10	201.00	Nama : Ulul Azumi bin Abdul Hamid No Tel : 04-577600 EXT 244 Emel : uazumi@jtm.gov.my
34	Tek. Penyejukbekuan & Penyamanan Udara	PPU - 007	A Practical Approach in Cooling Load Calculation and Air-Cand Selection	1. Site survey method 2. Teknik cooling load rule of thumb 3. Teknik cooling load with coefficient 4. Praktikal pengiraan ke 3 bentuk bangunan yang berbeza 5. Haba pemdah/ haba deria/ haba seluruhan 6. Pemilihan sistem penyaman udara berdasarkan katalog	24	10	148.00	Nama : Azman bin Hussin No Tel : 04-5776100 EXT 240 Emel : azman_hussin@jtm.gov.my
35	Tek. Penyejukbekuan & Penyamanan Udara	PPU - 008	Sijil Tauliah Pengendalian Refrigeran dan Pengurusan Jabatan Alam Sekitar	1. Undang warta kerajaan Malaysia 2. Refrigeran CFC/HCFC 3. Isu ozon dan pemanasan global 4. Kawalan dan Akta Alam Sekitar 5. Praktikal penggunaan recovery machine 6. Ujian Tauliah Pengendalian & Pengurusan Refrigeran Jabatan Alam Sekitar	24	10	500.00	Nama : Norliazri bin Osman No Tel : 04-577600 EXT 243 Emel : noliazri@jtm.gov.my
36	Tek. Penyejukbekuan & Penyamanan Udara	PPU - 009	Sijil Kemahiran Malaysia Tahap 1 & 2 Tek. PPU Secara PPT Untuk Pekerja Industri	1. Safety industry 2. Technical drawing 3. Metal work 4. Electricity practice 5. Installation & piping system 6. Maintenance & trouble shoot acond 7. Car air cond system	300	10	1,500.00	Nama : Ulul Azumi bin Abdul Hamid No Tel : 04-577600 EXT 244 Emel : uazumi@jtm.gov.my
37	Teknologi Telekomunikasi	TELE - 001	Certified Fiber Optic Technician (CFOT)	1. Optical fusion splicing 2. Optical loss measurement 3. Optical time domain reflectometer (OTDR) 4. Optical fiber cable termination	30	10	1,050.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my
38	Teknologi Telekomunikasi	TELE - 002	Certifying Agency (CA 1A)	1. Residential wiring 2. Multi storey building (MSB) wiring 3. CA 1A exam by TM, Telekom Malaysia	30	10	649.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my
39	Teknologi Telekomunikasi	TELE - 003	CCTV Installation	1. Install CAN equipment (CCTV) 2. Configure CAN equipment 3. Project management	12	10	1,087.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my
40	Teknologi Telekomunikasi	TELE - 004	Door Access Installation	1. Install CAN equipment (Door access) 2. Configure CAN equipment 3. Project management	12	10	441.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my
41	Teknologi Telekomunikasi	TELE - 005	Residential Wiring (RSB)	1. Secure work area (RSB) 2. Run telecommunication cable 3. Connect cable to termination point	12	10	544.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my
42	Teknologi Telekomunikasi	TELE - 006	Multi Storey Building (MSB)	1. Secure work area (MSB) 2. Run telecommunication cable 3. Connect cable to termination point	12	10	473.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my
43	Teknologi Telekomunikasi	TELE - 007	Jointing Telephone Cable	1. Run telecommunication cable 2. Connect cable to termination point 3. Test line	18	10	546.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my
44	Teknologi Telekomunikasi	TELE - 008	Site Survey	1. Identify customer need 2. Prepare for site visit 3. Compile site information	12	10	672.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my
45	Teknologi Telekomunikasi	TELE - 009	Career Development	1. Participate in departmental staff meeting 2. Study technical manual 3. Attend in-house training, vendor training, job related workshop & seminar 4. Obtain occupational certification	12	10	199.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my

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46	Teknologi Telekomunikasi	TELE - 010	Project Management	1. Prepare site modification proposal 2. Supervise project staff, vendor, contractors 3. Liase with property owner, authorities	12	10	199.00	Nama : Azliana binti Ali No Tel : 04-5776100 EXT 250 Emel : azliana.a@jtm.gov.my
47	Teknologi Komputer (Sistem)	TKS - 001	Pemasangan Komputer	1. Setup computer system unit components 2. Setup computer peripherals components 3. Install computer operating system 4. Install computer device drivers 5. Install application software 6. Maintain computer system work area	12	10	680.00	Nama : Rostam Bin Mohamad Zin No Tel : 04-5776107 Emel : rostam.m@jtm.gov.my  Nama : Norashikin Binti Ariffin No Tel : 04-5776260 Emel : shikin@jtm.gov.my
48	Teknologi Komputer (Sistem)	TKS - 002	Penyelenggaraan Komputer	1. Carry out parts installation 2. Check internal and external computer power supply devices 3. Check computer system unit 4. Check computer peripherals 5. Check computer storage devices 6. Check computer communication devices 7. Replace computer faulty component	12	10	150.00	Nama : Rostam Bin Mohamad Zin No Tel : 04-5776107 Emel : rostam.m@jtm.gov.my  Nama : Norashikin Binti Ariffin No Tel : 04-5776260 Emel : shikin@jtm.gov.my
49	Teknologi Komputer (Sistem)	TKS - 003	Rangkaian Komputer	1. Setup computer network cable 2. Design computer network environment 3. Setup client network operating system	12	10	150.00	Nama : Rostam Bin Mohamad Zin No Tel : 04-5776107 Emel : rostam.m@jtm.gov.my  Nama : Norashikin Binti Ariffin No Tel : 04-5776260 Emel : shikin@jtm.gov.my
50	Teknologi Komputer (Sistem)	TKS - 004	Web Design Using CSS	1. CSS basic 2. CSS styling 3. CSS box model 4. CSS advanced	12	10	150.00	Nama : Rostam Bin Mohamad Zin No Tel : 04-5776107 Emel : rostam.m@jtm.gov.my  Nama : Norashikin Binti Ariffin No Tel : 04-5776260 Emel : shikin@jtm.gov.my
51	Teknologi Komputer (Sistem)	TKS - 005	Web Design for Business Using Joomla	1. Asas laman web dan web server 2. Asas script dan database 3. Kursus lengkap Joomla 2.5 a. Install package, component, module, language, template b. Customize site c. AdminSite	18	10	150.00	Nama : Rostam Bin Mohamad Zin No Tel : 04-5776107 Emel : rostam.m@jtm.gov.my  Nama : Norashikin Binti Ariffin No Tel : 04-5776260 Emel : shikin@jtm.gov.my
52	Pusat Sumber & Multimedia	PSM - 001	Microsoft Office Application 1	Use Word processing application (Basic)	8	15	30.00	Nama : Amran bin Abdul Razak No Tel : 04-5776100 EXT 180 Emel : amran@jtm.gov.my
53	Pusat Sumber & Multimedia	PSM - 002	Microsoft Office Application 2	Use Spreadsheet application (Basic)	8	15	30.00	Nama : Amran bin Abdul Razak No Tel : 04-5776100 EXT 180 Emel : amran@jtm.gov.my
54	Pusat Sumber & Multimedia	PSM - 003	Microsoft Office Application 3	Use Presentation application (Basic)	8	15	30.00	Nama : Amran bin Abdul Razak No Tel : 04-5776100 EXT 180 Emel : amran@jtm.gov.my
55	Pusat Sumber & Multimedia	PSM - 004	Microsoft Office Application 4	Use Word processing application (Intermediate)	8	15	30.00	Nama : Amran bin Abdul Razak No Tel : 04-5776100 EXT 180 Emel : amran@jtm.gov.my
56	Pusat Sumber & Multimedia	PSM - 005	Microsoft Office Application 5	Use Spreadsheet application (Intermediate)	8	15	30.00	Nama : Amran bin Abdul Razak No Tel : 04-5776100 EXT 180 Emel : amran@jtm.gov.my
57	Pusat Sumber & Multimedia	PSM - 006	Microsoft Office Application 6	Use Presentation application (Intermediate)	8	15	30.00	Nama : Amran bin Abdul Razak No Tel : 04-5776100 EXT 180 Emel : amran@jtm.gov.my