

MAKLUMAT RINGKAS KURSUS PSH

NO	NAMA KURSUS	MAKLUMAT RINGKAS
1	TRAINING OF PSYCHOMETRIC COACHING - INSTRUCTOR-LED-CLASSROOM PRACTICAL TRAINING AND WORKSHOP	The overall objective of the training of trainers workshop described here is to build the capacity of education trainers to design and deliver an education suitable to the student. Categories of Psychometric Coaching: • Types of Maximum and Typical Performance Tests • Preparation for Managed Test Administration • Readiness for Psychometric Test • Introducing & Running the Coaching • Test Logs • Modes of Coach Administration • Managing Problems with Psychometric test • Candidates with abilities • Direct Participation • The Four-Fifth's Rule of Psychometric Training • Justifiable Adverse Impact
2	PEM2019 : TECHNOLOGY-ENHANCED ACTIVE LEARNING (T.E.A.L)	The TEAL program introduces fresh and current 21st century pedagogy, incorporating available technology into the classroom. Addressing blended learning, active learning, as well as advocating constructivist and connectivist learning theories. Participants will be exposed to: 1. 21st century learning trends 2. Active learning strategies that are suitable for higher education setting 3. Technology tools that accompany active learning strategies
3	INTRODUCTION TO CONCEPTS & 11 TECHNOLOGIES PILLARS AND MACHINE RETROFITING TECHNOLOGY TOWARDS IR4.0	Pendedahan dan kefahaman kepada tenaga pengajar PPK mengenai Revolusi Industri 4.0 seperti berikut : a. Kerangka asas Revolusi Industri 4.0 berbanding 3 fasa/revolusi terdahulu. b. Faktor-faktor pencetus Revolusi Industri 4.0 dan cabaran sepanjang proses perubahan dan penyesuaian Revolusi Industri 4.0 dalam sektor-sektor pembuatan. c. Keperluan teknologi baharu dan spesifikasi teknikal berkaitan merangkumi perkakasan, perisian, sistem dan integrasi menyeluruh. d. Teknologi-teknologi utama yang memacu tranformasi Revolusi Industri 4.0 seperti Big Data Analytics, Cloud Computing, IoT, Additive Manufacturing, Autonomous COBOT, Digital Supply Chain Network, Digital Economy, Artificial Intelligence, Augmented Reality, Cybersecurity and Integration. e. Teknik dan teknologi menaiktaraf mesin-mesin sedia ada (konvensional) kepada 'Ready to IR4.0', menyeluruh merangkumi hardware, software & system/network/cloud integration.

4	PPK: COMPTIA CLOUD+	Chapter 1 Cloud Computing Overview, Concepts, and Models Chapter 2 Compute Virtualization in the Cloud Chapter 3 Cloud Storage and Provisioning Chapter 4 Cloud Networking Concepts and Implementation Chapter 5 Cloud Compute Resources, Concepts, and Implementation Chapter 6 Cloud Management Concepts Chapter 7 Cloud Operations Chapter 8 Understanding and Maintaining Cloud Security Chapter 9 Systems Management in the Cloud Chapter 10 Understanding Business Continuity in the Cloud
5	PEM2019 : MICROSOFT OFFICE SPECIALIST (MOS) POWERPOINT 2013 CERTIFICATION	Microsoft Office Power Point 2013: Create and manage presentations. Insert and format text, shapes and images. Insert table, chart, SmartArt, and media. Apply transitions and animations. Manage multiple presentation.
6	PPK: MICROCONTROLLER PROGRAMMING AND APPLICATION (MSTK BOARD)	Kursus ini adalah bertujuan untuk meningkatkan pengetahuan dan kemahiran dalam memprogram mikropengawal serta mengaplikasikan teknologi berkaitan di dalam sistem kawalan terbenam. Kursus ini akan menekankan kemahiran pengaturcaraan, aplikasi perkakasan, rekabentuk litar serta kaedah kawalan.
7	PEM2019 : CLOUD COMPUTING : ARCHITECTING ON AWS	Kursus ini meningkatkan kemahiran di bidang komputer dalam perkara berkaitan Cloud computing. Pengajar/pensyarah akan dapat mendalami dan mempraktikan teknik-teknik dalam melaksanakan Cloud Computing dan memastikan server dapat beroperasi dengan baik dan optimum.
8	PPK: PLC SEQUENCE CONTROL USING MANUFACTURING AUTOMATION SYSTEM (MAS TRAINER-OMRON)	Kursus ini meningkatkan pengetahuan dan kemahiran pengajar dalam bidang kawalan automasi menggunakan Manufacturing Automation System (MAS Trainer-OMRON).Kursus ini merupakan lanjutan bagi kursus Asas Sistem PLC.
9	PEM2019 : PEMBANGUNAN APLIKASI MOBILE (NON-PROGRAMMER)	Kursus ini memberikan tunjuk ajar kepada peserta bagaimana membina applikasi bagi telefon pintar yang menggunakan kerangka Android. Modul kursus ini berasaskan projek-projek contoh yang boleh mereka ikuti. Mereka juga akan belajar asas mereka bentuk applikasi Android, rekebentuk paparan, menu, mengendalikan data dan input dari pengguna.
10	PPK: CSWIP WELDING QUALITY CONTROL COORDINATOR	Kursus ini memberi pendedahan melalui pengetahuan dan kemahiran menyediakan dokumen pemeriksaan kualiti dengan praktikal melakukan aktiviti-aktiviti pemeriksaan projek-projek kimpalan
11	PPK: ADDITIVE MANUFACTURING TECHNOLOGIES	1) Additive Manufacturing Classification 2) Additive Manufacturing Process 3) Additive Manufacturing Operation 4) Additive Manufacturing Maintenance 5) Additive Manufacturing in Plastic Injection Moulding

12	PEM2019 : MICROSOFT OFFICE SPECIALIST (MOS) WORD 2013 CERTIFICATION	Microsoft Office Word 2013: Create and manage documents. Format text, paragraphs and sections. Create tables and lists. Create and manage references. Insert and format graphic elements.
13	PEM2019 : LIGHTING DESIGN FOR VIDEO PRODUCTION	Kursus ini akan mendedahkan kepada peserta kaedah dan cara menggunakan peralatan dan teknik yang mudah untuk menjadikan pencahayaan yang baik serta bagaimana untuk memanipulasikan cahaya di lokasi penggambaran. Juga akan ditekankan bagaimana untuk membangkitkan mood dan perasaan tertentu dengan cahaya.
14	SPD : DISC PROFILING	a) To identify sources of guidance for writing of program and module learning outcomes. b) To consider principles for the development and effective assessment criteria. c) Simplify complex issues of human behavior. d) Identify specific communication strategies to use with each of the different DISC behavioral styles. e) Develop implementation plans for a variety of learning outcomes, including coaching, mentoring and teaching.
15	PPK: ASSOCIATE WELDING ENGINEER (AWE)	Menyediakan latihan, pengetahuan dan peperiksaan yang diperlukan untuk mendapatkan Persijilan "Welding Engineer" berdasarkan "Standard of Certification of Welding Coordination Personnel" dan "ISO 14731 Welding Coordination Tasks and Responsibilities".
16	PPK: CODE CLINIC FOR WELDING PRACTICE	Memberi pendedahan bagaimana prosedur kimpalan dibangunkan berdasarkan kod dan standard yang digunapakai di industri kimpalan. Kod yang akan dirujuk adalah American Society of Mechanical Engineer(ASME).
17	PEM2019: INTRODUCTION TO DEEP LEARNING WITH NVIDIA GPUS	Deep Learning (DL) is the fastest-growing field in Machine Learning and Artificial Intelligence (AI) that enables machines to be far more efficient, advanced and intelligent at predicting things. It uses many layered Deep Neural Networks (DNNs) to make sense of data such as images, sound and text, and powers some of the most interesting applications in the world like autonomous vehicles (driverless cars), speech recognition, image recognition, preventive healthcare, and more.
18	PPK: MULTIAXIS MACHINING USING MASTERCAM	1) Introduction to multi axis machine 2) Multi axis machining process 3) CAM for multi axis machining 4) Verifying multi axis machining 5) Operate multi axis machine
19	PPK: SCADA SYSTEM FOR INDUSTRIAL AUTOMATION	Kursus ini adalah untuk meningkatkan pengetahuan dan melengkapkan para pengajar dengan kemahiran dan pengetahuan berkenaan Asas sistem SCADA dalam kejuruteraan automasi.
20	PEM2019: PROFESSIONAL DIGITAL AUDIO PRODUCTION	Kursus ini akan menumpukan terhadap proses rakaman suara (voice-over) di mana teknik-teknik dan kaedah rakaman suara yang betul akan diajar kepada semua peserta bagi menghasilkan produk akhir yang profesional. Peserta juga akan didedahkan dengan peralatan-peralatan rakaman audio digital.

21	PPK: DATA COMMUNICATION FOR INDUSTRIAL AUTOMATION	Melatih secara <i>hands-on</i> kepada pengajar penggunaan perisian dan hardware dalam <i>Data Communication in Automation Engineering</i> mengikut keperluan teknologi semasa bidang Mekatronik dan <i>robotics</i> .
22	PPK: PLC PROGRAMMING AND APPLICATION FOR INDUSTRIAL MOTOR CONTROL (MITSUBISHI PLC)	Kursus ini memberi pendedahan kepada peserta kursus tentang teknik membangunkan program PLC dengan kaedah carta alir, konfigurasi PLC ,pengujian sistem PLC dan Kawalan Motor AC
23	PPK: ULTRASONIC TESTING	Kursus secara teori dan praktikal menjalankan ujian tanpa musnah dengan kaedah Ultrasonic Testing terhadap kimpalan logam.
24	PEM2019 : MICROSOFT OFFICE SPECIALIST (MOS) EXCEL 2013 CERTIFICATION	Microsoft Office Excel 2013: Create and manage worksheets and workbooks. Manage data cells and ranges. Create tables. Perform operations with formulas and functions. Create charts and objects.
25	PPK: ADVANCE INTERNET OF THINGS APPLICATION HANDS-ON	Kursus berkaitan pengaturcaraan, penyambungan peranti pintar, pengantara muka peranti pintar, serta komunikasi antara peranti dan cloud bagi teknologi Internet of Things.
26	PEM2019 : MICROSOFT OFFICE SPECIALIST (MOS) POWERPOINT 2016 CERTIFICATION	Microsoft Office Power Point 2016: Create and manage presentations. Insert and format text, shapes and images. Insert table, chart, SmartArt, and media. Apply transitions and animations. Manage multiple presentation.
27	PPK: PENGATURCARAAN DAN APLIKASI NODE RED	Kursus berkenaan penggunaan perisian NODE RED dalam sistem automasi yang bersesuaian IR4.0. Melatih secara <i>hands-on</i> kepada pengajar penggunaan perisian dan hardware dalam Node Red mengikut keperluan teknologi semasa bidang Mekatronik dan <i>robotics</i> .
28	PEM2019 : MICROSOFT OFFICE SPECIALIST (MOS) WORD 2016 CERTIFICATION	Microsoft Office Word 2016: Create and manage documents. Format text, paragraphs and sections. Create tables and lists. Create and manage references. Insert and format graphic elements.
29	PPK: IPC-A-610 ACCEPTABILITY OF ELECTRONICS ASSEMBLIES TRAINING AND CERTIFICATION PROGRAM	Training content : Overview of IPC-A-610 & Foreward and Applicable Documents Handling Electronic Assemblies & Hardware Installation Soldering/HV & Terminals Through hole & Surface Mount PCBs/Assemblies & Component Damages & Wire Wrap
30	PPK : STM32 ARMS BASIC PROGRAMMING WITH THE CUBEMX AND KEIL V5	PenPendedahan kepada STM32 ARMS BASIC PROGRAMMING WITH THE CUBEMX AND KEIL V5 bagi bidang elektronik.

31	PEM2019: CERTIFIED IOT SPECIALIST (CIOTS)	1) Introduction to the core concepts of IoT, role and scope of smart sensors for insuring convergence of technologies and multidisciplinary engineering practices, wireless sensor networks, machine learning / data analytics and cloud computing; 2) Understand the IoT Open innovation platform, and hardware platforms and operating systems commonly used in IoT systems; 3) Understand big data predictive analytics and transformation from IT to IOT; 4) Gain an awareness of IoT security and opportunities.
32	PPK: WELDING INSPECTOR LEVEL 2 (PCN)	Kursus berkenaan kaedah sebenar penilaian kualiti kimpalan dilaksanakan di industri. Kandungan kursus adalah : 1. Understanding Welding Procedure Specification 2. Welding Consumables 3. Welding Equipments 4. Welding and material preparations 5. Type of welding process 6. Visual inspections 7. Inspection Reports
33	SPD : 7 HABITS OF HIGHLY EFFECTIVE PEOPLE	Identify the main obstacles to effective Time Management in your daily role. Understand the nature of Time Management Understand the range of Tools, Techniques & Concepts for Time Management Use these Techniques to build an effective Time Management process that will enhance your productivity & lower your stress Explain the benefit of having an effective Time Management process
34	PPK: PENYELENGGARAAN DAN PENGUJIAN HYDRAULIC POWER PACK	Kursus tentang kemahiran dan pengetahuan sistem hidraulik mengikut teknologi terkini. Melatih secara amali kepada pengajar mengenai pengendalian, penyelenggaraan dan pengujian sistem hidraulik mengikut keperluan semasa bidang Mekatronik dan Automasi.
35	PPK: COMPUTER INTEGRATED MANUFACTURING (CIM) TOWARDS IR 4.0	Kursus di bidang pembuatan acuan suntikan plastik. Kandungan kursus: 1) CIM System 2) CIM Operation concept 3) Maintaining CIM 4) CIM towards IR 4.0
36	PPK: PENYELENGGARAAN DAN PENGUJIAN PNEUMATIC AIR COMPRESSOR	Kursus berkenaan sistem pneumatik mengikut teknologi terkini disamping berupaya menyelenggara peralatan. Kandungan kursus: Introduction to Pneumatic System Maintenance Maintenance and Testing - Air Compressor Maintenance and Testing - Component of Pneumatic System- Directional Control Valve & Cylinder Maintenance and Testing Pneumatic Circuit - Advance Circuit & Simulation Software Installation of Pneumatic System Maintenance and Testing Advance Component

37	PEM2019 : MICROSOFT OFFICE SPECIALIST (MOS) EXCEL 2016 CERTIFICATION	Microsoft Office Excel 2016: Create and manage worksheets and workbooks. Manage data cells and ranges. Create tables. Perform operations with formulas and functions. Create charts and objects.
38	PEM2019 : MICROSOFT OFFICE SPECIALIST (MOS) ACCESS 2016 CERTIFICATION	Microsoft Office Specialist (MOS) Access 2016: Access Fundamentals Database Basics Creating and Working with a Database Finding, Filtering and Formatting Data
39	PPK: COMPTIA A+	Module 1 - Identifying Personal Computer Components Module 2 - Effectively Working With Personal Computer Components Module 3 - Understanding Laptops And Portable Devices Module 4 - Understanding Operating Systems Module 5 - Understanding Basics Of Installing, Configuring, Optimizing, And Upgrading Operating Systems Module 6 - Identifying Operating System Troubleshooting And Diagnostic Procedures Module 7 - Understanding The Basics Of Printers And Scanners Module 8 - Networking Fundamentals Module 9 - Understanding Network Security Module 10 - Identifying Safety And Environmental Issues Fundamentals Module 11 - Understanding Professionalism And Communication Module 12 - Working With Personal Computer Components Module 13 - Working With Laptops And Portable Devices Module 14 - Installing, Configuring, Optimizing, And Upgrading Operating Systems Module 15 - Installing, Configuring, Optimizing, And Upgrading Printers And Scanners Module 16 - Installing, Configuring, Optimizing, And Upgrading Network Systems Module 17 - Installing, Configuring, Upgrading, And Optimizing Security Systems
40	PPK: COMPTIA SECURITY	Topic 1: Identifying Security Fundamentals Topic 2: Analyzing Risk Topic 3: Identifying Security Threats Topic 4: Conducting Security Assessments Topic 5: Implementing Host and Software Security Topic 6: Implementing Network Security Topic 7: Managing Identity and Access Topic 8: Implementing Cryptography Topic 9: Implementing Operational Security Topic 10: Addressing Security Incidents Topic 11: Ensuring Business Continuity
41	PPK: IIW DIPLOMA OF INTERNATIONAL WELDING SPECIALIST (IWS)	Menyediakan latihan, pengetahuan, kemahiran dan menduduki peperiksaan yang diperlukan untuk mendapat persijilan "Welding Specialist" berdasarkan "International Institute of Welding (IIW), standard yang digunapakai di dunia kimpalan

42	PPK: ADVANCE DIAGNOSIS HIGH VOLTAGE LITHIUM ION AND NICKEL-METAL HYDRIDE (NiMH) BATTERY SYSTEMS FOR HYBRID AND ELECTRIC VEHICLE	Kursus bidang Automotif dan Mekanikal yang sejajar dengan perkembangan teknologi yang di aplikasikan dalam kenderaan pada masa kini tentang Diagnosis dan Analisa dalam sistem ECU BMS High Voltage Battery.
43	PPK : COMPTIA NETWORK+	Lesson 1: Network Theory Lesson 2: Bounded Network Media Lesson 3: Unbounded Network Media Lesson 4: Network Implementations Lesson 5: TCP/IP Addressing and Data Delivery Lesson 6: Routing and Switching Lesson 7: TCP/IP Implementation Lesson 8: Network Security Analysis Lesson 9: Network Security Implementation Lesson 10: WAN Infrastructure Lesson 11: Cloud and Virtualization Techniques Lesson 12: Remote Networking Lesson 13: Network Management Lesson 14: Troubleshooting Network Issues
44	KURSUS PENGURUSAN JURNAL	Kaedah-kaedah yang efektif bagi pengurusan jurnal dan indeks jurnal
45	EDUCATION IN THE 21ST CENTURY	kaedah pengajaran dan pembelajaran dengan menggunakan kepakaran teknologi dalam membantu pendidik menyampaikan ilmu pengetahuan dan maklumat kepada bakal tenaga pengajar secara lebih berkesan. Kandungan kursus: 1. Education 4.0 2. E-Learning Platform (Pedagogy/Andragogy/Cybergogy) 3. 21st Century Educational Tools with Heutagogy Design Process & Peeragogy 4. Teaching Portfolio 5. Gamification in Education (Heutagogy/Peeragogy) 6. Devices in a Classroom (Heutagogy/Cybergogy) 7. High Impact Presentation - How to become a master (Learning Engagement) 8. How to Flipped (Flipped Classroom) 9. Individual Project & Presentation
46	KURSUS KOMUNIKASI DENGAN OKU	Kursus untuk Memahami cara berkomunikasi dengan orang pekak - Memahami orang pekak - Boleh memahami bahasa isyarat - Boleh menggunakan Bahasa Isyarat
47	PPK : APPLIED APPROACH TO DESIGNING AND IMPLEMENTING OUTCOMES-BASED EDUCATION (OBE) FRAMEWORK	Outcome Based Education (OBE) merupakan kaedah pembelajaran dan pengajaran berpusatkan pelajar yang kini mula digunapakai secara meluas. Peserta kursus dapat mengaplikasikan model pembelajaran yang bersesuaian dengan mengaplikasi OBE.

48	PPK: KURSUS BUSINESS PLAN AND MARKETING STRATEGY FOR AUTOMOTIVE - AFTER SALES MANAGEMENT	Kursus berkenaan pengurusan kewangan dan strategi pemasaran dalam bidang automotif sejajar dengan perkembangan maklumat dan teknologi yang di aplikasikan
49	PPK: DELIVERING A GREAT TRAINING SESSION	Kursus ini membincangkan konsep mengajar sebagai satu profesion, cabaran, kemahiran profesional pengajar, pengurusan tingkah laku, menangani tingkah laku dan kepimpinan pengajar
50	PPK: EXCELLENCE IN CUSTOMER SERVICE SKILL FOR AUTOMOTIVE SERVICE CENTRE - AFTER SERVICES MANAGEMENT	Kursus ini memberi pengetahuan dan kemahiran mengenai Khidmat Pelanggan yang cemerlang dalam sesebuah pusat servis kenderaan.
51	PPK: TEKNOLOGI HIJAU : ENERGY AND WATER MANAGEMENT TRAINING (EWMT)	Kursus memberi pendedahandalam amalan hijau. Kandungan Kursus: Sistem Pengurusan Tenaga Lestari Asas Audit Tenaga dan Pengumpulan Maklumat Perlaksanaan dan Operasi Strategi Pengurusan Penyelenggaraan Kaedah Pengukuran dan Pengumpulan Data Pengenalan Borang-borang Audit dan Analisa Tenaga Kajian Kes Penjimatan Tenaga
52	PPK: TEKNOLOGI HIJAU : HAVE WE DONE ENOUGH (HWDE)	Upon completion of the course participants shall be able to: Apply the knowledge gained to examine and identify individual factors (lighting, air-conditioning, ventilation and heating) that contribute to high energy consumption in the workplace; Calculate anticipated savings from analyzing the consumption of individual factors; Prepare a draft action plan with identified measures to save energy at the workplace.
53	PEM2019 : BASIC CONTENT DEVELOPMENT USING VUFORIA	Basic concepts in AR, the trending AR market and get hands-on by creating simple Android AR applications using Unity - a popular industry standard game engine.
54	PEM2019 : Web 2.0 Tools in Education Series	Kursus mendedahkan peserta mengenai penggunaan Web 2.0 dalam proses pembelajaran. 1. Padlet 2. Google Classroom 3. Kahoot! 4. Quizzz 5. Quizlet
55	PEM2019 : Bengkel Mobile App Games (Non Programming)	Kursus berkenaan dengan trend masa kini dalam pembinaan Mobile App Games melalui TANPA CODING. 1. Game App Development Intro 2. Game App Development Hands On 3. Adv Game App Development Hans

56	PEM2019: INTRODUCTION TO USER INTERFACE (UI), BEST PRACTICE, BASIC PRINCIPLES AND DESIGN FLOW THROUGH THEORY, EXERCISE AND PRACTICE	- To increase skill in User Interface Design (UI) - To discover the industry-standard tools and specific project deliverables in Interface Design (UI)
57	How to Coach and manage your subordinates to higher productivity	Kursus bagi memperkasakan pengajar dengan teknik pengurusan personel dan menjadi pengurus yang berkualiti.
58	PPK: INTERACTIVE CLASSROOM TECHNOLOGY	Memberi pendedahan kepada peserta tentang Interactive Classroom Technology Solution. Kandungan Kursus: 1.Introduction of Interactive Classroom 2. Basic Operation : i) Software Installation ii) Software positioning iii) OPS Installation 3. Software Features i) File Manager ii) Application Programs iii) System Setting
59	PEM2019 : Mobile App Games (Non Programming) Lanjutan	Peserta akan diberi pendedahan dalam dunia Mobile Aps yang mana ia merupakan teknologi masa kini yang seiring dengan I4.0. Pengajar boleh menggunakan Mobile Aps ini sebagai platform untuk memberi nota dan quiz. Kursus ini adalah kursus lanjutan daripada kursus yang telah dijalankan sebelum ini iaitu Kursus Mobile Apps (Non Programming).
60	ICT IN TRAINING AND EDUCATION	Training content: New Approaches to learning in 21st century - Heutagogy, Cybergogy, Paragogy etc Active Learning Learning Activities Components Blended Learning Relationship between Technology and Education
61	PPK: FLEXIBLE CLASSROOM SOLUTION	Memberi pendedahan lebih mendalam kepada pengajar berkenaan Flexible Classroom. Pengenalan kepada "Flexible Classroom" Persediaan Peralatan untuk Aktiviti Individu Persediaan Peralatan untuk Aktiviti Kumpulan Kecil Persediaan Peralatan untuk Aktiviti Kumpulan Besar