



SHRDC

TRAINING CALENDAR 2019



PURPOSE-DRIVEN
Technical &
Essential Skills



VISION:
To be the leading
industry-driven and
competency-based
Talent Development
Centre.



MISSION:
To enable individual
and organizational
excellence through
talent development
and training.



**COMPETENCY
BASED TRAINING
= JOB-READINESS**



27 YEARS:
1992-2019

Find out more at
www.shrdc.org.my/about/



For more info and to register, call 03 5513 3560 or email ask@shrdc.org.my

- ✓ Complete list of training program available at www.shrdc.org.my
- ✓ We can customize training programs based on your training needs
- ✓ Course fees are all inclusive, no additional/hidden charges
- ✓ Option of training delivery: our centre, your premises or a hired venue
- ✓ Language option for course delivery: English, Bahasa Melayu and Mandarin (subject to availability of trainers & course content)
- ✓ Administrative support for SME and HRDF applications and claims



INTRODUCTION

- Smart Factory takes existing manufacturing practices to Industry 4.0 standards: highly agile, efficient and automated production lines integrated into a smart logistics and service network.
- MSF 4.0 at SHRDC provides hands-on experience, training, technology and talent development for Industry 4.0 and Smart Factory competencies.
- Partnership between SHRDC and the Swiss Smart Factory.
- Join the MSF 4.0 Consortium at SHRDC to explore the benefits of Industry 4.0 and Smart Factory.

| No | Course Title | Duration (Days) | Course Fee Per Participant (RM) | | HRDF Claim Type | Dates |
|----|--|-----------------|---------------------------------|------------|-----------------|---|
| | | | SHRDC Member | Non Member | | |
| 1. | Malaysian-Swiss Smart Factory Technical Overview: Enabling Technology for Industry | 2 | 3000.00 | 3000.00 | SBL Khas | (Feb 18-19), (Jul 10-11) |
| | Operational Technologies Fundamental (OTF) | | | | | |
| 2. | Cyber Physical System (CPS) based automation + Project & Assessment | 5 | 4250.00 | 4250.00 | SBL Khas | (Apr 4-18), (May 24-31), (Sep 5-19), (Oct 18-25) |
| 3. | CPS based communication systems + Project & Assessment | 8 | 4250.00 | 4250.00 | SBL Khas | (May 9-23, 24-31), (Oct 3-17, 18-25) |
| 4. | CPS based Drives and Sensors + Project & Assessment | 6 | 4250.00 | 4250.00 | SBL Khas | (Jun 13-28, 23-26), (Nov 7-22), (Dec 18-20) |
| 5. | IoT Gateway + Project & Assessment | 7 | 4250.00 | 4250.00 | SBL Khas | (Jul 11-19, 23-26), (Dec 5-13, 18-20) |
| | Information Technology Fundamental (ITF) | | | | | |
| 6. | Data Collection and Visualization + Project & Assessment | 8 | 5650.00 | 5650.00 | SBL | (Apr 4,5,11,12,18,19,25,26), (Aug 1,2,8,15,16,22,23) |
| 7. | Data Analytics + Project & Assessment | 9 | 5650.00 | 5650.00 | SBL | (May 2,3,9,10,16,17,21,23,24), (Sep 5,6,12,13,19,20,25,26,27) |
| 8. | Applied Data Analytics + Project & Assessment | 9 | 5650.00 | 5650.00 | SBL | (Jun 13,14,20,21,27,28, (Jul 3,4,5), (Oct 3,4,10,11,17,18,23,24,25) |

*SHRDC reserves the right to make changes to any part of its training programs

INDUSTRY 4.0

More Industry 4.0 Training Programs (Available Upon Request)








| No | Industry 4.0 | Duration (Days) |
|-----|---|-----------------|
| 1. | Digital System Design for Communication and Signal Processing | 3 |
| 2. | Fundamental of IoT Development for Smart Manufacturing (Industry 4.0) | 3 |
| 3. | RFID Technology toward Industry 4.0 Implementation | 2 |
| 4. | Modern Python Programming with Python 3 | 4 |
| 5. | Machine Learning with Keras and TensorFlow | 4 |
| 6. | Deep Learning with Keras and TensorFlow | 4 |
| 7. | Operation Technology - Sensor Communication (Node-Red Application) | 3 |
| 8. | Information Technology - Managing Database | 4 |
| 9. | NCSIMUL Machine - ID 4.0 – Simulation | 3 |
| 10. | NCSIMUL 4CAM – ID 4.0 – Machine & Routing Flexibility | 2 |
| 11. | Role of Measurement Software in Industry 4.0 – PC – DMIS | 3 |
| 12. | Q-DAS Statistical Software eMMA Analyst | 3 |
| 13. | SMART Quality | 3 |
| 14. | Industry 4.0 Technical Fundamental and Readiness Assessment Training | 2 |

ESSENTIAL SKILLS

 Signature Program

 High Demand Program

** New Program

| No | Course Title | Duration (Days) | Course Fee Per Participant (RM) | | HRDF Claim Type | Dates |
|--|---|-----------------|---------------------------------|------------|-----------------|-------------------------------------|
| | | | SHRDC Member | Non Member | | |
| Awareness, Strategy & Management Programs | | | | | | |
| 1. | Edward de Bono's Lateral Thinking  | 2 | 1800.00 | 2000.00 | SBL KHAS | (Mar 14-15), (Sep 12-13) |
| 2. | Edward de Bono's Six Thinking Hats  | 2 | 1800.00 | 2000.00 | SBL KHAS | (May 8-9), (Oct 8-9) |
| 3. | Happiness Advantage (Workplace Happiness)  | 2 | 1800.00 | 2000.00 | SBL KHAS | (Jun 17-18), (Sep 2-3), (Nov 18-19) |
| 4. | Change Essential  | 2 | 1800.00 | 2000.00 | SBL KHAS | (May 14-15), (Aug 1-2), (Nov 28-29) |
| 5. | Think On Your Feet  | 2 | 1800.00 | 2000.00 | SBL KHAS | (May 22-23), (Aug 22-23) |
| 6. | Towards Supervisory Excellence  | 2 | 1300.00 | 1500.00 | SBL | (Feb 21-22), (Aug 20-21) |
| 7. | People Leadership Development | 2 | 1300.00 | 1500.00 | SBL | (Apr 9-10), (Oct 15-16) |
| 8. | **MESTI Digital Enrichment Skills  | 2 | 1000.00 | 1200.00 | SBL | (May 14-15), (Sep 3-4), (Nov 6-7) |
| 9. | **Maximizing Efficiency Through Planning and Organizing | 2 | 1300.00 | 1500.00 | SBL | (Feb 12-13), (Jul 23-24) |
| 10. | **Coaching and Mentoring Skills | 2 | 1300.00 | 1500.00 | SBL | (Apr 23-24), (Dec 18-19) |

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ESSENTIAL SKILLS

More Essential Skills Training Programs (Available Upon Request)




| No | Essential Skills | Duration (Days) |
|----|--|-----------------|
| 1 | Business Report Writing | 2 |
| 2 | Team Building (upon request) 🔥 | 2 |
| 3 | English Proficiency Course | 5 |
| 4 | Creating Competitive Edge Through Service Quality (Customer Service) | 2 |
| 5 | Positive Work Attitude 🔥 | 2 |
| 6 | Practical People Management Skills | 2 |
| 7 | High Impact Presentation Skills | 2 |
| 8 | Effective Business Proposal | 2 |
| 9 | Professional Business English | 5 |
| 10 | Professional Business and Office Management Skills | 2 |
| 11 | Competency Based Recruitment and Selection Workshop | 2 |
| 12 | Effective Marketing Skills | 2 |
| 13 | Enterprise Training Need Analysis | 2 |
| 14 | Finance for Non Finance Staff | 2 |
| 15 | Influencing Skills | 2 |
| 16 | Leading Bold Change | 2 |
| 17 | Negotiation Skills | 2 |
| 18 | Supervise Workplace Safety and Health Practices | 2 |
| 19 | People Based Safety | 2 |
| 20 | Environmental Risk Assessments | 2 |
| 21 | Collecting Your Debts | 2 |
| 22 | Understanding and Analysing Your Financial Statement | 2 |
| 23 | Creating Excellence Performance Through Effective Team 🔥 | 2 |
| 24 | Essential Skills for Emerging Leaders 🔥 | 2 |
| 25 | Towards Supervisory Excellence 🔥 | 2 |

ELECTRONICS / MANUFACTURING / INDUSTRIAL AUTOMATION / MECHATRONICS

 Signature Program

 High Demand Program

**** New Program**

| No | Course Title | Duration (Days) | Course Fee Per Participant (RM) | | HRDF Claim Type | Dates |
|-----|--|-----------------|---------------------------------|------------|-----------------|---------------------------------------|
| | | | SHRDC Member | Non Member | | |
| 1. | Design of Experiments | 2 | 1600.00 | 1800.00 | SBL | (May 9-10), (Nov 12-13) |
| 2. | Lean Manufacturing and Simulation  | 2 | 1600.00 | 1800.00 | SBL KHAS | (Apr 16-17), (Oct 9-10) |
| 3. | Geometric Dimensioning & Tolerancing  | 2 | 1600.00 | 1800.00 | SBL KHAS | (Jan 23-24), (Jul 18-19) |
| 4. | AutoCAD Intermediate | 2 | 1600.00 | 1800.00 | SBL | (Feb 25-26), (Aug 8-9) |
| 5. | AutoCAD Advanced | 2 | 1600.00 | 1800.00 | SBL | (Apr 1-2), (Oct 23-24) |
| 6. | Project Management | 2 | 1600.00 | 1800.00 | SBL | (Jun 20-21), (Dec 10-11) |
| 7. | Ultimate Facility Maintenance for Practitioners | 2 | 1600.00 | 1800.00 | SBL | (Mar 6-7), (Jul 29-30) |
| 8. | MOST Work Measurement for Lean Solutions  | 4 | 5200.00 | 5300.00 | SBL KHAS | (Mar 19-22), (Sep 24-27) |
| 9. | 7QC New Tools For Quality Practitioners | 2 | 1600.00 | 1800.00 | SBL | (Jun 26-27), (Oct 1-2) |
| 10. | Planned Maintenance Management | 2 | 1600.00 | 1800.00 | SBL | (Jan 28-29), (Aug 1-2) |
| 11. | **Advanced QAQC - Improving Quality for Customer Satisfaction | 2 | 1600.00 | 1800.00 | SBL | (Feb 25-26), (Jun 24-25), (Oct 28-29) |
| 12. | PLC Essentials Intermediate & Advanced | 2 | 1600.00 | 1800.00 | SBL | (Jun 18-19), (Nov 4-5) |

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ELECTRONICS / MANUFACTURING / INDUSTRIAL AUTOMATION / MECHATRONICS

More Training Programs (Available Upon Request)

| No | Electronics / Manufacturing / Industrial Automation / Mechatronics | Duration (Days) |
|----|---|-----------------|
| 1 | Statistical Process Control | 2 |
| 2 | Production Planning and Control | 2 |
| 3 | Process Analysis with Statistical Software (Minitab) | 5 |
| 4 | Chemical Handling & Hearing Conservation Program (CHHCP) | 2 |
| 5 | Electrical Motor Control System Integration with PLC | 2 |
| 6 | Certified MTM | 2 |
| 7 | Production Part Approval Process and Advanced Product Quality Planning (PPAP & APQP) | 2 |
| 8 | Lean Manufacturing - Basic Workshop (Kart Factory) | 2 |
| 9 | Lean Manufacturing : Fundamental and Standardization Workshop (Kart Factory) | 5 |
| 10 | Total Productive Maintenance (TPM) | 2 |
| 11 | Failure Mode & Effect Analysis (FMEA) 🔥 | 2 |
| 12 | Microsoft Project | 2 |
| 13 | Continuous Improvement Quality | 2 |
| 14 | 8D Problem Solving 🔥 | 2 |
| 15 | Amalan KAIZEN | 2 |
| 16 | Root Cause Analysis | 2 |
| 17 | Mistake Proofing (Poka Yoke) | 2 |
| 18 | Safe Forklift Operation in Warehouse | 2 |
| 19 | Electro-Hydraulics & PLC Integration | 2 |
| 20 | Electro-Pneumatic & PLC Integration | 2 |
| | | |

MIMS / SEMICONDUCTOR

-  Signature Program
-  High Demand Program
- ** New Program**


| No | Course Title | Duration (Days) | Course Fee Per Participant (RM) | | HRDF Claim Type | Dates |
|----|--|-----------------|---------------------------------|------------|-----------------|--|
| | | | SHRDC Member | Non Member | | |
| 1. | IPC-CID Certified Interconnect Designer (PCB Designer)  | 4 | 7200.00 | 7500.00 | SBL / SBL KHAS | Apr 23-26, Oct 1-4 |
| 2. | IPC-CID+ Advanced Certified Interconnect Designer (PCB designer) | 4 | 7200.00 | 7500.00 | SBL / SBL KHAS | Jul 2-5 |
| 3. | IPC 610 Acceptability of Electronic Assemblies Certified IPC Application Specialist (CIS) Course  | 8 | 4200.00 | 4500.00 | SBL | Mar 13-15, Jun 19-21, Sep 18-20 Dec 18-20 |
| 4. | Basic Soldering Workshop | 2 | 1800.00 | 1800.00 | SBL | Mar 21-22, Aug 27-28 |

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More MIMS / Semiconductor Training Programs (Available Upon Request)

| No | Industry 4.0 | Duration (Days) |
|----|--|-----------------|
| 1. | IPC / WHMA -A - 620 CIS Certification | 3 |
| 2. | IPC J-STD-001 Soldered Electrical And Electronic Assemblies Certified IPC Application Specialist (CIS) | 5 |

SOLAR PV TECHNOLOGY

| No | Course Title | Duration (Days) | Course Fee Per Participant (RM) | | HRDF Claim Type | Dates |
|----|--|-----------------|---------------------------------|------------|-----------------|--|
| | | | SHRDC Member | Non Member | | |
| 1. | SEDA Malaysia Grid-Connected Photovoltaic (PV) Systems Design Course  | 7 | 5660.40 | 5660.40 | SBL | Jan 7-15, Mar 11-19, Jun 17-25, Aug 19-27, Sep 30 - Oct 8, Nov 25 - Dec 3 |
| 2. | Solar PV Systems Essentials | 2 | 1800.00 | 1800.00 | SBL | Feb 19-20, Aug 14-15 |
| 3. | Stand-Alone Solar PV Systems Integration | 5 | 4000.00 | 4000.00 | SBL | Nov 18-22 |
| 4. | Solar PV Systems Performance and Quality Tests | 2 | 1800.00 | 1800.00 | SBL | Jan 15-16, Sep 24-25 |
| 5. | Solar Photovoltaic Project Proposal and Project Costing | 2 | 1800.00 | 1800.00 | SBL | Jul 18-19, Oct 16-17 |

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PLASTIC TECHNOLOGY / COMMUNICATION CONTENT & INFRASTRUCTURE

(Available Upon Request)

| No | Plastic Technology | Duration (Days) |
|----|---|-----------------|
| 1 | Plastic Material Structures, Properties & Applications 🔥 | 2 |
| 2 | Principle of Plastic Film Extrusion | 2 |
| 3 | Film Extrusion Defect Analysis | 2 |
| 4 | Development and Prototyping of Innovative Fabrication - Fundamental | 5 |
| 5 | Development and Prototyping of Innovative Fabrication - Advanced | 5 |
| 6 | Advanced Computer Aided Analysis | 3 |
| 7 | Introduction to FEM / FEA | 3 |
| 8 | Basic 3D Mould Design | 5 |
| 9 | Advanced 3D Mould Design | 5 |
| 10 | Defect Analysis - Efficient Moulding Practice 🔥 | 2 |
| 11 | Injection Moulding Mould Maintenance for Production 🔥 | 2 |

| No | Communication Content & Infrastructure |
|----|---|
| 1 | ITIL Foundation (Partnered Program) |
| 2 | ITIL Intermediate (Partnered Program) |
| 3 | Microsoft Certification (SQL server, Visual Studio, Windows Server, SharePoint) |
| 4 | Microsoft Office (MS Access, MS Excel, MS Power Point, MS Word, MS Project) |
| 5 | VMware vSphere : Install, Configure, Manage [V5 : 0] (Partnered Program) |
| 6 | R-Programming |
| 7 | Hadoop Programming |
| 8 | Cobol Programming |
| 9 | Python for IoT |
| 10 | Introduction to Microsoft Excel VBA |
| 11 | TSO / ISPF Workshop and Introduction to JCL and VSAM |



Contact Us :

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