SHRDC

2026

TRAINING EXCELLENCE

ABOUT SHRDC

At the Selangor Human Resource Development Centre (SHRDC), we take great pride in being a fundamental part of Malaysia's talent development journey. Since our establishment on February 12, 1992, we have been committed to empowering Malaysians with the essential skills and knowledge to thrive in an ever-changing workforce.

As an ISO-certified, not-for-profit organization created through strong partnerships between the government and industry leaders, we are strategically positioned to tackle talent shortages and close critical skills gaps across various sectors. Our specialized programs are crafted to provide individuals with the expertise needed to achieve results, while enabling organizations to cultivate stronger, more resilient teams ready to face future challenges.

OUR STRATEGIC FRAMEWORK

At SHRDC, we are dedicated to cultivating a sustainable pool of skilled, innovative, and adaptable talent for Malaysia. Our strategic framework acts as the foundation for our commitment to excellence in talent development. Guided by our vision and mission, we concentrate on three core pillars.

VISION

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

MISSION

To enable individual and organizational excellence through talent development and competency training.

CHANGE

In today's world, change is the only constant. We not only run with change but we activate change. We are always open to how people see ideas differently, how various attitudes trigger divergent outcomes, and we accept change as a positive feature in how we do things.

INNOVATION

We work diligently to discover better ways of doing things, striving for continuous improvement and exceeding expectations. We believe that innovation is a fundamental cornerstone for achieving and maintaining a competitive edge.

IMPACT

We strive to make a meaningful impact in everything we do. At SHRDC, we are dedicated to delivering positive outcomes and exceptional experiences for everyone we serve.

OUR CREDENTIALS

TRAINING PROVIDER OF THE YEAR

SHRDC was awarded the Human Resources Minister Award "Training Provider of the Year" in 2002, 2009 and 2023, recognizing our leadership in Malaysia's training industry.

ISO 9001:2015 CERTIFICATION

SHRDC is ISO 9001:2015 certified, committed to Quality Excellence.

JCI Malaysia Sustainable Development Award 2024

JPK & HRDC ACCREDITED TRAINING CENTRE

REGIONAL IPC ATC (AUTHORIZED TRAINING CENTRE)

SEDA MALAYSIA AUTHORIZED TRAINING CENTRE

INCIT SIRI AND COSIRI TRAINING & EXAMINATION CENTRE

SWISS SMART FACTORY CERTIFICATION

MORE STRATEGIC PARTNERS

Handwerkskammer Aachen

BOX HILL INSTITUTE

INTERNATIONAL THOUGHTLEADER NETWORK

THINK ON YOUR FEET®
CLARITY | BREVITY | IMPACT®

MPSEA

WHY SHRDC?

COMPETENCY-BASED TRAINING

Every course we deliver is designed to equip participants with the hands-on skills needed to contribute immediately to their roles and meet current industry demands.

CUSTOMIZED SOLUTIONS

We create programs tailored to address specific workforce challenges, helping businesses meet their unique goals.

TECHNOLOGICAL FOREFRONT

SHRDC remains industry-relevant and up to date by delivering technical training and tailored solutions for various industries.

COURSE DELIVERY FLEXIBILITY

We offer flexible training options, including public classes, onsite sessions, hotel-based programs, and our Remote Online Training (ROT), which seamlessly combines virtual and physical settings.

LANGUAGE CHOICES

To cater diverse groups, we provide training in multiple languages, allowing participants to learn effectively in the preferred medium.

SPECIALIZED SKILLS

Some of our newly designed courses include Generative AI for non-IT personnel, Sustainable Smart Factory, ESG, Battery Energy Storage Systems, and many more.

KEY STATISTICS

150k
Total Trained

92%
Employability

OUR PROGRAMS

- **MALAYSIAN SMART FACTORY 4.0**

- **ENVIRONMENTAL, SOCIAL, AND GOVERANCE**

- **SUSTAINABLE ENERGY | SOLAR PV**

- **MANUFACTURING | ENGINEERING**

- **ESSENTIAL SKILLS | PEOPLES' SKILLS**

- **INFORMATION & COMMUNICATION TECHNOLOGY**

- **MICROSYSTEMS | SEMICONDUCTOR**

With us, you're not just investing in training. You're investing in a future of innovation, growth and success, both for your company and beyond.

SOLAR STRATEGIC BUSINESS UNIT

Since 2014, SHRDC's Solar Strategic Business Unit (SBU) has been building the skilled workforce that drives Malaysia's solar and sustainable energy industry forward. We help companies upskill their employees with practical, industry-relevant training that keeps pace with fast-changing technologies and standards.

Recognized as a certified training centre by the Sustainable Energy Development Authority (SEDA) Malaysia, and the official training arm of the Malaysian Photovoltaic and Sustainable Energy Industry Association (MPSEA), the Solar SBU delivers programs trusted by industry and aligned with the nation's clean energy agenda.

In 2024, the Centre of Excellence (COE) for Sustainable Energy was launched, strengthening SHRDC's role as a hub for training, innovation, and collaboration. Backed by 21 strategic partners—including EPCs, manufacturers, technology providers, and specialized solution providers—the COE ensures our programs remain practical, current, and hands-on.

By bridging talent with industry needs, SHRDC's Solar SBU equips employees to close skill gaps, deliver high-impact projects under the National Energy Transition Roadmap (NETR), and contribute to Malaysia's long-term goal of achieving Net Zero by 2050.

SUSTAINABLE ENERGY | SOLAR PV

TRAINING PROGRAMS	DAYS
Solar PV System Design & Technology	
SEDA Malayia Grid-Connected Photovoltaic (PV) Systems Design Course	8
SEDA Malaysia Off-Grid Photovoltaic (OGPV) Systems Design Course	10
Designing Grid-Connected Photovoltaic System using PVsyst	2
Comprehensive Workshop on Grid-Connected Photovoltaic (PV) System Design	5
Fundamentals of Designing Grid Connected Photovoltaic (GCPV) System	2
Fundamental of Rooftop GCPV System	1
Fundamentals of Designing Off-Grid Photovoltaic (OGPV) System	2
Introduction to Solar PV System Technology	1
Introduction to Solar PV System Software PVsyst	2
Battery Energy Storage Systems (BESS)	
Designing and Commissioning of Battery Energy Storage with Grid-Connected Photovoltaic System (BESS)	2
Introduction to Battery Energy Storage System	1
Installation, Maintenance & Inspection	
Solar Technician Training: Rooftop PV Installation & Maintenance	2
Project Management Skills for Rooftop Photovoltaic Installations	2
SEDA Installation & Maintenance	1
Drone-Based IR Solar PV Inspection using Drone Eye	3
Performance & Testing	
Solar PV System Performance and Quality Test	2

MALAYSIAN SMART FACTORY 4.0 STRATEGIC BUSINESS UNIT

Established in 2018 at SHRDC, the Malaysian Smart Factory (MSF) 4.0 is a pioneer in advancing Malaysia's smart manufacturing journey. More than a training lab, MSF is an ecosystem that connects stakeholders, fosters collaboration, and helps SMEs grow into global players in the industry 4.0 era.

At its core, MSF equips companies with future-ready skills through competency-based training in areas such as lean digital factory, IIoT data automation and analytics, OT security, robotics, AI, and ESG. These programs provide the foundation for companies to kickstart lighthouse projects and scale their digital transformation effectively.

Beyond training, MSF drives engagement and knowledge-sharing across the manufacturing community. With 55 advanced technology partners, strong government linkages, and collaboration with the Swiss Smart Factory, MSF serves as a hub for:

- Industry Engagement Days (IED), seminars, and forums
- Factory benchmarking visits and industry research
- Sharing of government incentives and best practices
- A library of real-world case studies and use case: a "GitHub" for manufacturing
- Awards and recognition programs celebrating client success

By integrating training, technology, and collaboration, MSF empowers companies to close talent gaps, adopt cutting-edge solutions, and build competitiveness. It is a catalyst for driving smart manufacturing success and positioning Malaysia's SMEs as world-class manufacturers.

MALAYSIAN SMART FACTORY 4.0

TRAINING PROGRAMS	DAYS
Smart Factory Gap Analysis and Roadmap Planning	
Smart Factory Technical Overview: Enabling Technologies for Industry	2
Smart Factory Maturity Tools and Framework	1
Smart Factory Maturity Analysis and Prioritization	3
IOT Data Automation and Visualization	
Data Generation	5
Machine Data Logging and Visualization for Smart Factory	5
Data Formulation Overall Equipment Effectiveness (OEE)	5
Data Analysis and Deep Learning	
Data Analytics Essentials	5
Deep Learning Essentials	5
Lean Digital Factory	
Lean Manufacturing	4
Digital Process Optimization for Lean Industry 4.0	5
Digital Factory Essentials for Lean Industry 4.0	5
Digital Factory Essentials for Lean Industry 4.0 - Intermediate	5
Digital Workflow Management Essentials for Industry 4.0 (ERP)	5

MALAYSIAN SMART FACTORY 4.0

TRAINING PROGRAMS	DAYS
Artificial Intelligence (AI) and Robotics	
Deep Learning with Computer Vision for Smart Factory	5
Generative AI: Prompt Engineering Essentials for Industry 4.0	5
Generative AI: Enhanced Functionalities and Application Deployment	5
Collaborative Robotics (COBOT) Essentials for Industry 4.0	5
Robotics Process Automation (RPA) Essentials for Industry 4.0	5

IOT Gateway	5
Cyber Physical Systems (CPS) Based Automation	5
Cyber Physical Systems (CPS) Based Communication	5
Cybersecurity Essentials	5
IO-Link Technology	5
PLC Essentials for Smart Factory (Fundamental/ Intermediate/ Advance)	5

ENVIRONMENTAL, SOCIAL, AND GOVERANCE

TRAINING PROGRAMS	DAYS
Awareness | Sustainable Development, GHG Emissions, and Opportunities	1
Greenhouse Gas Emissions: GHG Protocol Calculation Guidance	2
Consumer Sustainability Industry Readiness Index | **COSIRI 10** • Sustainable Manufacturing Maturity Tools and Framework for ESG • Sustainable Manufacturing Maturity Analysis and Prioritization for ESG	2.5
Consumer Sustainability Industry Readiness Index | **COSIRI 24** • Sustainable Manufacturing Maturity Tools and Framework for ESG • Sustainable Manufacturing Maturity Analysis and Prioritization for ESG	5
Consumer Sustainability Industry Readiness Index | **Assessor Program**	5
2030 Sustainable Development Goals Games (SDG) *Complimentary merchandise for in-house training*	1
Certified Advanced Sustainability Reporting & Carbon Accounting	3
Climate Change Awareness	1

MANUFACTURING | ENGINEERING

TRAINING PROGRAMS	DAYS
7 QC Tools	2
2D/3D Auto CAD	3
Lean Manufacturing System	4
Basic Hydraulic	3
Electrical Motor Control	4
Basic Welding Technology	4
Six Sigma	2
5S	2
Poka Yoke	2
Basic Soldering	3
Industrial Pneumatics and PLC Integration	5
Technical Report Writing	2
Equipment Communication Standard (SECS/GEM)	3
Basic Electrical Motor Control	3
Basic Electrical Skills	5
Basic Pump System	3
Effective Supervisory Skills	3
Engineer Work Process	5
Failure Mode Effect Analysis (FMEA)	2
Just-In-Time (JIT)	2

MANUFACTURING | ENGINEERING

TRAINING PROGRAMS	DAYS
Mechanical Drive System	5
Most Work Measurement	5
Production Planning & Control	2
Statistical Process Control (SPC)	2
Single-Minute Exchange of Die (SMED) - Basic	2
Single-Minute Exchange of Die (SMED) - Comprehensive	5
TS16949 IQA	5
Value Stream Mapping	2
Customized Factory Operator Development Program	Varied
Customized Technician Development Program	Varied
Customized New Engineers Development Program	Varied

ESSENTIAL SKILLS | PEOPLES' SKILLS

TRAINING PROGRAMS	DAYS
Edward De Bono's Six Thinking Hats	2
Leading Positive Results in the Workplace (Orange Frog)	2
Think on Your Feet	2
8D Data Driven Problem Solving Skills	2
Facilitative Leadership: Developing Leader-led Workplace Learning Culture	2
To Coach, To Mentor, or Both	2
Efficient Time & Multitasking Management Skills	2
Finance for Non-Finance	2
Negotiation Skills	2
The Hero in Me (Positivity and Resiliency)	2
Presenting Intelligence	2
Supervisory Skills	2
PERSONAL DEVELOPMENT SKILLS	
English (Communication/ Written/ Spoken)	2
Impactful Presentation	2
Creating Interactive & Engaging Learning	3
Technical Report Writing	2
Mindset Transformation	2
EQ Through PQ for Leaders	2
XYZ @ Workplace	2
Storytelling	1
Customized Leadership Program	Varied

INFORMATION & COMMUNICATION TECHNOLOGY

TRAINING PROGRAMS	DAYS
VBA Excel Automating Task	2
Microsoft office (Word, Excel, PowerPoint) - Basic Level	2
Microsoft office (Word, Excel, PowerPoint) - Intermediate Level	2
Microsoft office (Word, Excel, PowerPoint) - Advanced Level	2
Project Management	3
Power BI	2
Powerful Presentation (With Microsoft PowerPoint)	2-4
SQL Database	5
Digital Citizenship (Digital Literacy)	2

MICROSYSTEMS | SEMICONDUCTOR

TRAINING PROGRAMS	DAYS
IPC Certified Interconnect Designer (IPC CID)	5
IPC Advanced Certified Interconnect Designer, CID+	5
Introduction to Requirement and Quality Conformance for PCB Bare Board (Based on IPC 6012 and 600)	2
Practical PCB Layout Design Techniques (Overview)	3
Hand Soldering Fundamentals	1
Technical Overview of Semiconductor Chip Industry	3
Customized Semiconductor Modules	Varied

Get In Touch:

Selangor Human Resource Development Centre (SHRDC)

No.1, Ground Floor, Block 2, Pusat Perniagaan Worldwide,
Jalan Tinju 13/50, Section 13, 40100 Shah Alam,
Selangor, Malaysia

+603 5513 3560

info@shrdc.org.my

shrdc.org.my

@shrdc.org.my

/shrdc

/shrdc

shrdc_talent

shrdc_talent