

MyReskill IOT Program

Train-the-Trainer Proposal

MyReskill IOT TTT Agenda

Half-day for 5 days, from 9:30am till 12:30pm



Day	Program
Day 1	Section 1: Introduction <ul style="list-style-type: none">• I4.0 and IOT Overview• Applications and Case Studies• MyReskill IOT program overview, expectation of POCs projects• Hardware Overview (Raspberry Pi 4 & Arduino), including sensors
Day 2	Section 2: Starter Kit Set-up (Hardware & Software) <ul style="list-style-type: none">• Hands-on and Hardware set-up• Raspberry PI Configuration, Software Configuration
Day 3	Section 3: Arduino & Node-RED (Basic) <ul style="list-style-type: none">• Arduino IDE Module• Module 1: Introduction: Nodes, Core nodes, Creating first flow, Installing Modules• Module 2: Introduction to Node Red Dashboard, Features
Day 4	Section 4: Node-RED (Intermediate) <ul style="list-style-type: none">• Module 3: Dashboard Overview: Tabs and group• Module 4: Serial Communication• Module 5: Gauge & Charts• Module 6: Notifications
Day 5	Section 5: Moving Forward <ul style="list-style-type: none">• Potential Proof-of-Concept (POC) projects• Starter Kit Expansion, and Scaling up• Open Source and Q&As

MyReskill IOT TTT

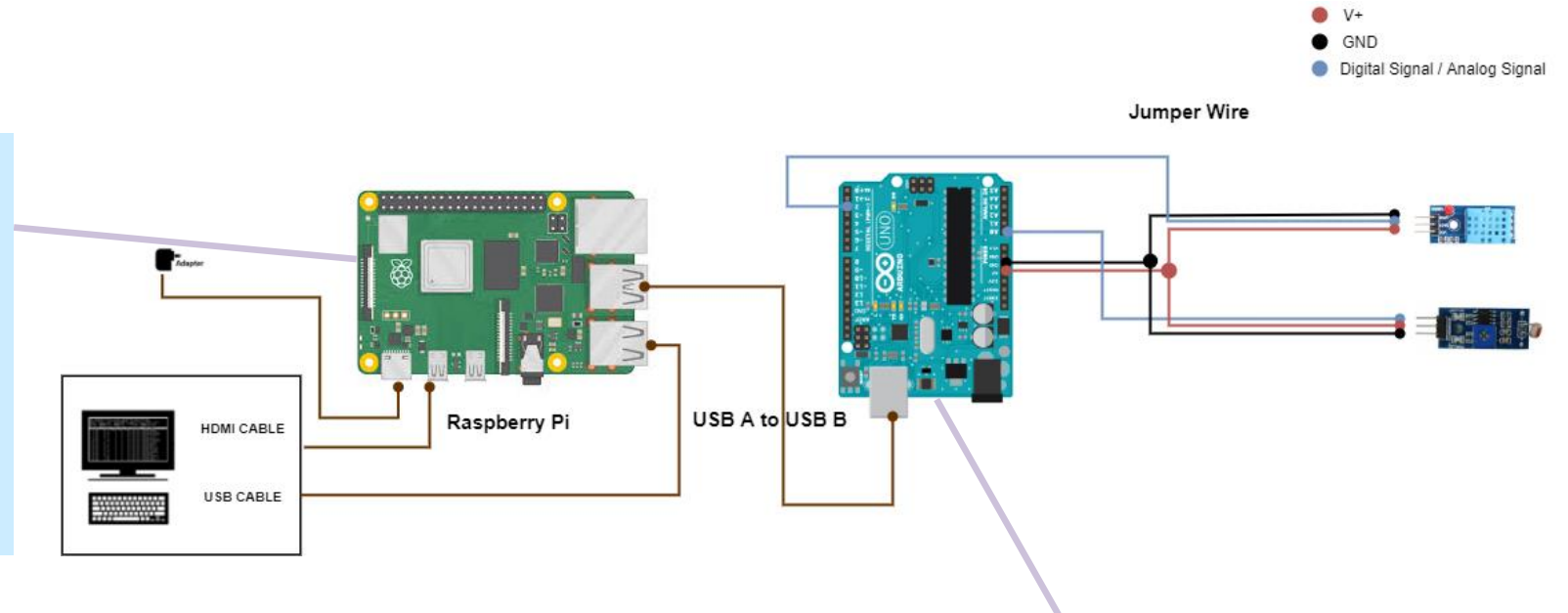
Starter Kit architecture

Raspberry Pi 4

- RAM: 2~8 GB RAM
- Display: Two Micro HDMI Output
- USB Ports: 2 USB 2.0 Port + 2 USB 3.0 Port
- Dual Band Wi-Fi (2.4GHz & 5GHz)
- Bluetooth 5.0
- Gigabit Ethernet
- USB C Power Input



Starter Kit



Arduino UNO

- Operating Voltage 5V
- ATmega328P Microcontroller
- 6 Analog I/O
- 14 Digital I/O
- 32 KB Flash Memory
- 16Mhz Frequency

MyReskill IOT Train-The-Trainer (TTT)

Roles & Responsibilities (R&R) of Stakeholders



MPC

1. Fund the overall program
2. Identify participating Technology Partners (for TTT session)
3. Identify participating Companies (for proliferations)

Elliance Sdn. Bhd.

1. Standardize the MyReskill IOT TTT program and modules
2. Conduct a TTT class to Technology Centers
3. Prepare the Starter Kits, including customization and pre-loading

Technology Partners

1. Training and implementation delivery program management ¹
2. Recruit participating companies, together w/ MPC
3. Procure, receive and distribute the Starter Kits to companies
4. Coordinate trainers
5. Provide the training to the Companies
6. Follow up on proof of concepts
7. Report progress status

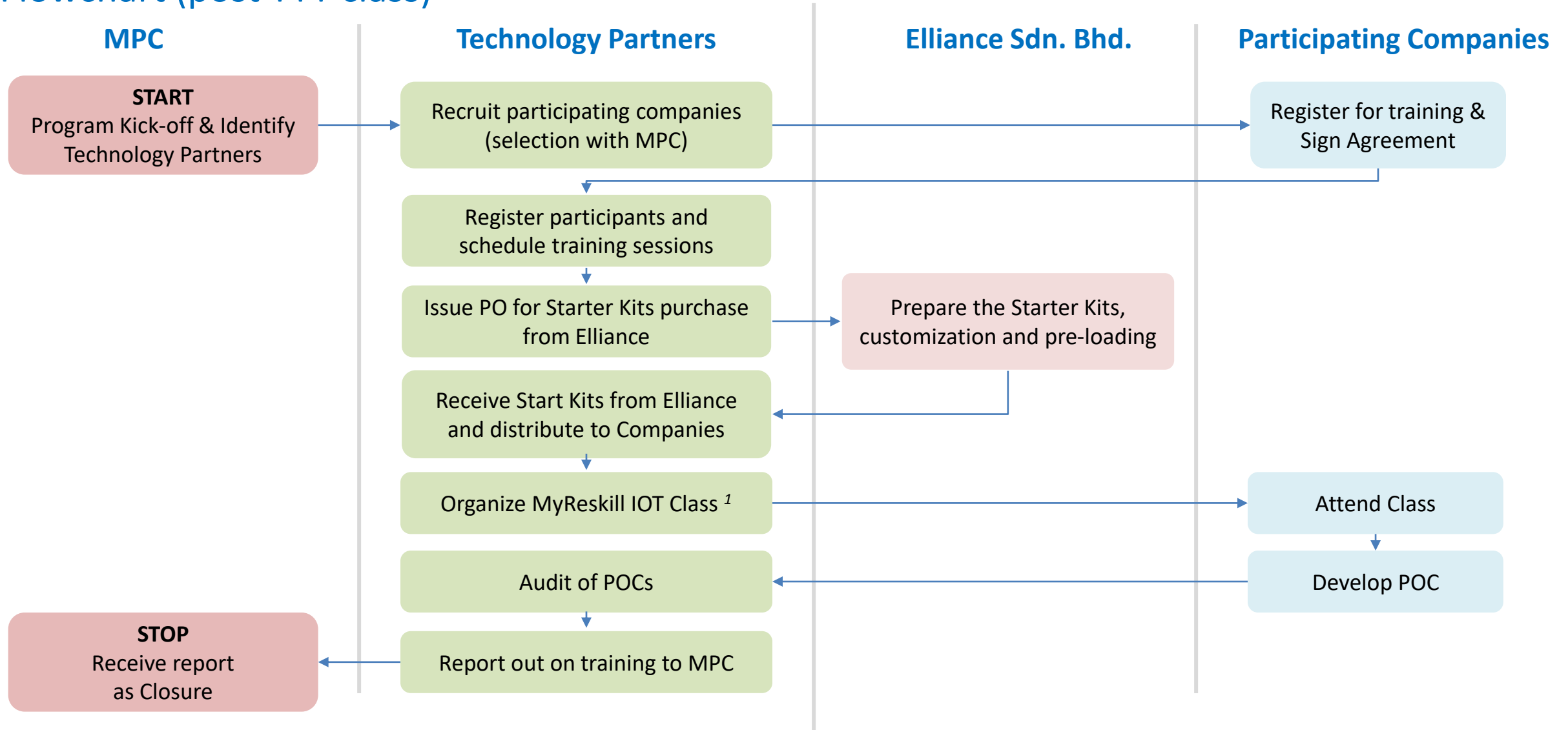
Participating SME Companies

1. Sign agreement with Technology Partners
2. Receive the Starter Kits
3. Attend training
4. Develop proof of concepts within 3 months
5. Showcase their proof of concepts

¹ Complete Roles & Responsibilities (R&Rs) for Technology Centers in subsequent slide

MyReskill IOT Proliferation by Technology Partners

Flowchart (post TTT class)



¹ Complete Roles & Responsibilities (R&Rs)
for Technology Partners in subsequent slide

Roles & Responsibilities (R&R) for Technology Partners



1. Before Training

- Online registration for participants
- Initiate communication (with WhatsApp?)
- Ensure participants sign Agreements
- Purchase and receive Starter Kits
- Ensure participants receive the Starter Kits before training date
- Ensure participants readiness (see checklist on the right) →
- Sharing of Training Materials
- Sharing Zoom link prior to Training
- Coordinate trainers

Participants Readiness Checklist

1. Stable Internet connection during training
2. A PC/laptop to login into Zoom for training classes
3. LCD monitor, keyboard and mouse to connect to Starter Kit

2. During Training

- Host Training
- Track attendance of participants
- Record video, as participant reference

3. Post Training

- Send and Consolidate participants' Evaluation Form
- Remind participants of requirement to complete POC within 3 months
- Share POC project template, and track progress
- Provide regular status update to MPC
- Monitor any open unresolved issues, and facilitate tech support

Costing

- The fee for a company is RM 1,600 for all 5 half-days training. (Including Starter-kit).
- Maximum participants are 2 per company
- This costing is including the cost of procurement of starter-kits (duty, import customs tax and customs handling fees) and the starter-kits.
- POC on-site visitation is subject to request from MPC. Additional fee will be impose depending on company location.

Contact

For further information please contact:

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MPC will fund 100 tech centres and companies to participate in the MyReskill IOT TTT programme

A handwritten signature in black ink, appearing to read "AIMAN ZAKWAN ZAHARI".

AIMAN ZAKWAN ZAHARI
Assistant Manager
Electrical and Electronics Productivity Nexus
Productivity Growth Division
Malaysia Productivity Corporation