



PROJECT NOTIFICATION

Ref. No.: 20-RP-14-GE-WSP-B-469

Date of Issue	30 September 2020
Project Code	20-RP-14-GE-WSP-B
Title	Workshop on Internet of Things Applications in Various Sectors
Timing and Duration	11–13 November 2020 (three days)
Hosting Country	Republic of China
Modality	Digital Multicountry (DMC)
Implementing Organization(s)	China Productivity Center (CPC) and the APO Secretariat
Participating Countries	Fiji, India, Indonesia, Japan, Republic of Korea, Malaysia, Mongolia, the Philippines, Singapore, Sri Lanka, Thailand, Turkey, and Vietnam
Overseas Participants	19
Local Participants	12
Closing Date for Nominations	16 October 2020

Notes: This PN supersedes the PN issued on 3 March 2020 and PNR issued on 22 May 2020.

1. Objectives

- a. To develop an understanding of the Internet of Things (IoT) through hands-on experience;
- b. To discuss on the adoption and applications of the IoT in different sectors and how they contribute to improving and upgrading business resilience, factory operations, corporate strategies and management, and business models; and
- c. To support the initiation of digital upgrading in member countries.

2. Background

The IoT is a system of interconnected physical devices, such as vehicles, machines, and home appliances, which uses sensors and application programming interfaces to capture, connect, and transfer data over a network such as the Internet. By collecting data in digital formats and exchanging information without requiring human-to-human or human-to-computer interactions, the adoption and application of the IoT become the basis for digitization in factories, companies, and communities and hence the foundation for digital transformation in all areas.

With the convergence of evolving, advanced technologies, such as radio frequency identification (RFID), real-time analytics, machine learning, and cloud computing, the applications of the IoT have spread from factory operations to commercial areas and households, permeating daily life. By harnessing IoT technologies and the data collected from them, abundant opportunities are created to review, streamline, and improve existing business operations to raise productivity, respond to disruptions, and even create new business models. As indicated in international research conducted by Microsoft in 2019, 85% of surveyed business leaders and decisionmakers had at least one plan for a learning, proof of concept, purchasing, or other application of the IoT. Plans for adoption were spread over core economic sectors such as manufacturing, retail, transportation, healthcare, and public services.

This workshop aims to provide hands-on experience in configuring IoT devices and examples of IoT applications in different sectors to enhance understanding of their potential and contributions to digital industrial upgrading. It will also support member countries in scaling up their digital upgrading and efforts to meet the UN Sustainable Development Goals (SDGs), specifically SDGs 8.2 and 8.3 (decent work and economic growth), 9.5 and 9.b (industry, innovation, and infrastructure), and 12.a (responsible consumption and production).

3. Modality of Implementation

- a. This workshop will be conducted online using videoconference applications.
- b. The resource speakers and participants will participate in the workshop virtually using their own devices, applications, and Internet connections.
- c. The duration of each day's session will be up to three hours.
- d. The APO Secretariat will inform the resource speakers and participants of the applicable videoconference application and link to the virtual sessions.
- e. The videoconference link will be provided exclusively to the resource speakers and participants of this workshop and should not be shared.

4. Scope and Methodology

The workshop will consist of interactive lectures, case studies, and discussions. The tentative program is given below:

Date/Time	Activity
Wednesday, 11 November	Presentations <ul style="list-style-type: none"> • Concept, trends, and technologies of the IoT Hands-on activity <ul style="list-style-type: none"> • Configuring and connecting IoT devices and collecting information
Thursday, 12 November	Presentation <ul style="list-style-type: none"> • Applications of the IoT in core economic sectors Hands-on activity <ul style="list-style-type: none"> • Deploying IoT devices for problem solving
Friday, 13 November	Presentations <ul style="list-style-type: none"> • Implications for business resilience, factory operations, corporate strategies, and business models Hands-on activity <ul style="list-style-type: none"> • Visualizing information for strategy development

5. Qualifications of Candidates

Present Position	Government officers and researchers involved in industrial development strategies and ICT policies, industry representatives with experience in digitization of business operations, and consultants and productivity practitioners supporting digital industrial upgrading.
Work Experience	Two years of experience or more in the position described above.
Education	University degree or equivalent qualification from a recognized university or similar tertiary institution.
Computer Literacy	Familiarity and competency in connecting to virtual meetings, including independently undertaking troubleshooting in the event of poor or lost connections.
Language	Proficiency in English, both written and spoken. Participants will be required to make presentations and engage in discussions.

6. Requirements

- a. Have necessary devices comprising a computer, web camera, microphone, and speaker or headphones.
- b. Access to Internet connections suitable for videoconferencing. Stable, wired LAN connections are preferred.
- c. Follow the instructions of the moderators/presenters in asking questions, joining discussions, and answering questions.
- d. Participate in the entire workshop.

7. Financial Arrangements

- a. The APO will meet the assignment costs for international resource persons.
- b. The host country will meet the assignment costs of local resource persons and for a virtual site visit(s), either broadcast live or recorded as applicable.

8. Actions by Member Countries

- a. Each participating country will nominate three or more candidates in order of preference.
- b. Self-nominations will not be accepted.
- c. All nominations must be endorsed by an APO Director or Alternate Director and submitted by a Liaison Officer or designated officer.
- d. Each nomination must be accompanied by the APO biodata form and uploaded to the APO Document Management System (DMS)/Fleekdrive by the NPO. The biodata form is available on the APO website.
- e. Late nominations will not be accepted. When a nomination requires the approval of higher authorities and requires a longer time, the member country concerned should send the name(s) of the nominee(s) before or by the deadline, indicating that approval will follow.
- f. If a selected participant becomes unable to participate, the NPO concerned should inform the APO Secretariat and the host country promptly.

9. Actions by the APO Secretariat

- a. Selection of candidates will be at the discretion of the Participant Selection Committee of the APO Secretariat.
- b. Selection of candidates will be completed and announced three weeks prior to the start of the workshop.
- c. Slots that become available due to withdrawal of a selected candidate(s) or lack of nominations by a member country may be filled by alternates to be selected on a merit basis.
- d. The APO Secretariat will inform NPOs of the final program, platform, and link of the virtual meeting, as well as the schedule for technical coordination when applicable, two weeks prior to commencement of the workshop.

10. Dress Code

Participants are required to wear appropriate business attire during the workshop.



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Secretary-General