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Workshop on Smart City and IoT Solution

Projected training dates: March 18- March 31, 2020

Application deadline: February 9, 2020

Duration of workshop: 14 days

Number of participants: 25

How to apply: Through the Taiwan (R.O.C) embassies, representative offices or technical missions

Introduction:

According to the UN Population Division estimate, by the year 2050, 75% of the world population is projected to live in urban areas; the urban population continues to increase, creating highly dense living spaces. On top of that, problems such as the global energy crisis and climate change are becoming important issues for modern cities, in particular, how cities could use limited energy resources effectively and respond to natural and man-made calamities in timely manner. Therefore, this workshop focuses on smart energy-saving and smart security to help the participants from our allies to find the most suitable smart solutions.

1. Objectives:

- Improving urban migration and sustainability and promoting industry development to reduce overpopulation in urban areas, which causes problems like resource shortage and impact on public security.
- Implementing the concept of smart energy-saving to improve on problems like high energy consumption and high carbon emission in the urban areas.
- Implementing the concept of smart security to improve on problems such as a low capacity for urban emergency response and the deteriorating law and order.

2. Contents:

- Improvement on the urban energy efficiency
 - ✓ “The Promotional Project for Industrialization of Smart Machinery” helps to implement the industrial network system (the IIoT), ensuring source management, and helping with the industrial transformation.
 - ✓ “The Smart Grid Implementation Plan” helps to implement smart energy-saving models such as microgrids system and provide rewards to promote change in energy consumption behaviors.

- ✓ “Autonomous Regulations of Low-carbon-emission City Development” helps to adapt to new energy sources, develop solutions for energy storage, and to subsidize household use of renewable energy, hence promoting energy transition.
- Increase the carrying capacity of urban areas
 - ✓ The “Program on Applying Science and Technology for Disaster Reduction” applies a smart disaster monitoring system to forecast disaster warning and provide suggestions for decision-making, constructing a smart disaster-resilient community.
 - ✓ The “Program on Technological Defenses and Applying Technology to Police Operation” uses an intelligent monitoring system to analyze and foretell crime, integrating intelligent technology assistance to law and order.
- Attend the “2020 Smart City Summit & Expo” in Taipei, exchanging and sharing experience on smart city development with the public and private sectors in the country and international guests.

Target participants:

Government officials, researchers from urban planning, disaster prevention, energy application department responsible for the policies or strategies of smart city and IOT solution or members of NGO or international organization responsible for related fields.

Eligibility:

- Age and experience: Applicants under 50 years old and with at least two years’ experience in related fields will be given preferential consideration.
- Education: A college degree or above
- Language: A good command of English

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