



## MALAYSIAN TECHNICAL COOPERATION PROGRAM (MTCP) 2020

### IoT Application in Agriculture

20 – 28 June 2020 | SIRIM Berhad, Shah Alam, Selangor MALAYSIA

#### MALAYSIAN TECHNICAL COOPERATION PROGRAM

The Malaysian Technical Cooperation Programme (MTCP) was first initiated at the First Commonwealth Heads of Government Regional Meeting (CHOGRM) for Asia Pacific Region in Sydney in February 1978. It was officially launched on 7 September 1980 at the 2nd CHOGRM in New Delhi, India, to signify Malaysia's commitment to South-South Cooperation, in particular Technical Cooperation among Developing Countries (TCDC).

The MTCP emphasises the development of human resources through the provision of training in various areas which are essential for a country's development such as public administration, good governance, health services, education, sustainable development, agriculture, trade and investment promotion, ICT and banking. Since its inception in 1980, more than 34,000 participants from 144 recipient countries have benefited from the various programmes offered under the MTCP. More information at MTCP website: [https://mtcpcoms.kln.gov.my/mtcpcoms/online/list\\_course](https://mtcpcoms.kln.gov.my/mtcpcoms/online/list_course).

#### OBJECTIVES OF MTCP

- 1) To share development experience with other countries;
- 2) To strengthen bilateral relations between Malaysia and other developing countries;
- 3) To promote South-South Cooperation (SSC); and
- 4) To promote Technical Cooperation among Developing Countries (TCDC).



## ABOUT SIRIM

SIRIM is a premier industrial research and technology organisation in Malaysia, wholly owned by the Ministry of Finance incorporated. With over forty years of experience and expertise, SIRIM is mandated as the machinery for research and technology development, and the national champion of quality. SIRIM has always played a major role in the development of the country's private sector. With its unique advantages in research and technology innovation, industry standards and quality, SIRIM offers specialised solutions to serve the needs of all industry sectors, making it the deal technology partner for SMEs. By tapping into our expertise and knowledge base, we focus on developing new technologies and improvements in the manufacturing, technology and services sector enable business and enhance lives. Together with our industry partners, SIRIM has enable Malaysian products and services achieve due recognition in quality and innovativeness worldwide.

## COURSE BACKGROUND

The Internet of Things (IoT) is an intelligent interactivity between human and things to exchange information and knowledge for new value creation. With IoT, we can receive more data, we can control stuff, make things automated, make work faster and easy. However, in agriculture, the IoT has brought the greatest impact and has been a driving force behind increased agricultural production at a lower cost. By using various smart agriculture gadgets, farmers have gained better control over the process of raising livestock and growing crops, making it more predictable and improving its efficiency.

## COURSE OBJECTIVE

The objective of the program:

1. To get the participants familiarize themselves with IoT technology by developing a system that can monitor temperature, humidity and control heater/fan/lighting
2. To give solutions related to common problems in IoT technology (Example Device power consumption, protocol used for transferring data to internet)
3. To share knowledge in IoT technology deployment in agriculture

## HOW TO APPLY

Application should be made using the prescribed MTCP forms available at;  
[https://mtcpcoms.kln.gov.my/mtcpcoms/online/list\\_course](https://mtcpcoms.kln.gov.my/mtcpcoms/online/list_course)

Submitted application form must be accompanied by the applicant's:

1. Copy of Passport (Every pages of passport)
2. Passport sized colored photo (3.5cm x 5 cm)
3. Full Medical Report

Please make sure that all required information given is completed and clearly stated.

1. Name as written in passport.
2. Your mobile no. as well as office/home telephone number.
3. Valid Email address
4. The latest of qualification.
5. Details of employment.
6. Reason to attend the course
7. TOEFL/IELTS certificates or similarly recognized English Languages qualifications.
8. Reason to attend the course.
9. Certificate of Medical Examination.
10. Letter of Indemnity signed by applicant and witness.
11. Endorsement from the applicant's Ministry of Foreign Affairs or the National Focal Point for Technical Assistance of your country.

- Once completed, please send the application form to the Malaysian Embassy / High Commission in your country for verification and interview.
- Applicants will be notified of their acceptance to the course either through SIRIM Berhad.
- Incomplete and/or unendorsed forms will not be processed

### **WHO SHOULD PARTICIPATE?**

- The participants can be from any background but enthusiast to explore and learn about the IoT applications particularly in agriculture field (example: IoT for green house, solar dryer dome, stingless bee farming).
- Participants must be under 50 years of age.

### **TERM & CONDITION**

#### **Visa and Vaccination**

Course participants must comply with the Visa with Reference (VDR) application procedure to enter Malaysia. They must possess a valid passport or other internationally recognised travel document and visa, if necessary, valid for at least 6 months beyond the period of stay in Malaysia.

SIRIM Berhad will apply for VDR at the Department of Immigration, Malaysia and a copy of the VDR Approval Letter will be forwarded to the successful participants, subsequently with the copy of the approval letter, the participants must collect the VDR from the nearest Malaysian Embassy/High Commission.

Participants from some countries are required to take a mandatory vaccination for yellow fever at least 10 days prior to their departure to Malaysia. Yellow Fever certificate is required to be produced upon landing in Malaysia for countries as listed at the link below:

<https://www.imi.gov.my/index.php/en/main-services/visa/visa-requirement-by-country.html>

#### **Course Fees**

All course fees are borne by the Government of Malaysia.

#### **Accommodation and Meals**

Accommodation and food are provided.

Participants are not allowed to change any arrangement done by the respective training institution.

#### **Air Fares**

A return flight ticket from the capital city of the MTCP recipient country to Kuala Lumpur on economy class is provided for participants.

#### **Medical Treatment**

Medical treatments are provided at government hospitals/clinics only and the expenses will be borne by the Government of Malaysia under the MTCP. In case of an emergency, participants are eligible to be admitted to government hospitals/clinics. Dental treatments are restricted to extraction and filling only.

#### **Rules and Regulation**

- Participants shall conduct themselves at all times in a manner compatible with their responsibilities as MTCP participants and abide by the laws, rules and regulations as may be stipulated by the host government in respect of this training course.
- During lectures, male participants are required to dress in long-sleeved shirts with ties and long pants.
- Female participants should be appropriately dressed in office attire.
- For formal occasions – lounge suit or national costume are required.

#### **FURTHER ENQUIRIES:**

##### **Coordinator of MTCP**

SIRIM Berhad - Managed by SIRIM STS Sdn Bhd

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<http://mtcp.kln.gov.my>

**Closing Date: 15 March 2020**