

# MALAYSIAN TECHNICAL COOPERATION PROGRAMME (MTCP)



## Smart Farming & Precision Agriculture



24-28 JUNE 2024



MULTIMEDIA UNIVERSITY

“ A Programme Designed Towards Sustainable Food Security ”



## About MTCP

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

The MTCP emphasizes the development of human resources through the provision of training in various areas which is essential for a country's development. These areas include diplomacy and diplomatic practices, economy, good governance, education, tourism, environment, social development, halal industry, safety and security as well as technology, among others. As of 31st December 2023, 37,815 participants from 144 recipient countries have benefited from the various programmes offered under the MTCP.

For more information, please visit:

- MTCP Official Portal: <https://mtcp.kln.gov.my/>
- MTCP Official Facebook Page: <https://www.facebook.com/MTCPMalaysia>

### OBJECTIVES OF MTCP:

- To share development experience with other countries;
- To strengthen bilateral relations between Malaysia and other developing countries;
- To promote South-South Cooperation (SSC); and
- To promote technical cooperation among developing countries (TCDC).



## For further enquiries, contact:

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**APPLICATION DEADLINE: 26 APRIL 2024**



## About CENERGY

We believe that the future is full of endless possibilities. With our expertise and resources, we're committed to reach individuals and organizations unlock their potential and be future-ready. Being future-ready is not just about keeping up with technological developments, but about embracing change and taking bold steps towards progress. That's why we work closely with our clients to develop innovative solutions that drive positive impact for society. As a subsidiary of Multimedia University (MMU), we have the strength and support in the industry and academic. We leverage our partnerships with academic institutions, government agencies, and industry partners to create unique and comprehensive solutions that set our clients apart. Our core theme, "Future Ready You," encapsulates our unwavering commitment to empowering individuals and organizations to thrive in the face of an ever-evolving future. We offer a diverse range of consulting services, research and development initiatives, and corporate training programs designed to keep our clients ahead of the curve. While we recognize the importance of technology, we firmly believe that true progress lies in people. At CENERGY, we prioritize creating a better future for all, where innovation and progress go hand in hand with positive societal impact.

## About the Course

Farming has been the oldest sign of human civilization. Through time, the human race developed several damaging ways of growing crops which affects the environment. In order to solve this problem, smart farming through Internet of Things (IoT) is developed not only to preserve nature but to also bring more benefits such as higher profit, efficient planting process, premium harvest and others. The digitalization of agricultural practices combined with the latest technology can transform the agricultural sector. Applying Agriculture 4.0 solutions across the value chain can lower the cost of importing food products, enrich the lives of agriculturalists, shrink wastages, enhance sustainable practices, and improve yield and supply chain efficiency.

## Course Content

- Day 1: Indoor Smart Farm
- Day 2: Introductory Python
- Day 3: IOT Sensor Node Workshop
- Day 4: Gateway & Dashboard Workshop
- Day 5: AI & Machine Learning Workshop

## Course Methodology

- **Actionable Plans**  
Develop actionable plans or strategies for implementing precision agriculture practices in their farms and agricultural operations.
- **Practical Experience**  
Practical experience and exposure to precision agriculture equipment, sensors, and technologies through hands-on training and demonstration.
- **Case Studies**  
Real-world case studies and examples of successful precision agriculture implementations in various agricultural settings.





## Targeted Participants

### Eligibility criteria for admission:

- Government officials/Professionals in agriculture, agribusiness, or related fields.
- Must be 50 years of age or below.
- Priority will be given to applicants who have never participated in the MTCP course conducted by MMU.

### Technical course requirement:

- The use of a computer is mandatory for this course.
- Participant is expected to possess a laptop/computer for the purpose of this training.

### Language requirement:

- The course will be conducted in English.
- Participants should have a suitable level of proficiency in both written and spoken English.

### General requirements:

- Must comply with other general requirements outlined by MTCP.

## Rules & 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.

### • Attire

Participants are to dress in formal or office attire throughout class sessions as well as during official visits to Government Ministries/Agencies.

## Application Guidelines

Applications should be made using the prescribed MTCP forms available through <http://mtcp.kln.gov.my>. MTCP application forms can also be obtained from the nearest Malaysian Embassy / High Commission in recipient countries. Submitted application forms must be accompanied by the applicant's

- Copy of Passport (all colored pages including blank pages, front & back cover)
- Passport-sized photo (3.5cm x 5cm) (white background)
- Medical Report (with clinic's official seal)
- 6 months passport validity

All application forms must be duly completed and endorsed by the Ministry of Foreign Affairs of their respective countries and should be submitted only through the diplomatic channel via the Embassy/High Commission of Malaysia in the respective countries.

Successful candidates will be duly notified by MMU, one (1) month before the commencement of the course.

Incomplete and/or unendorsed forms will not be processed.

## General Conditions of Participation

Participants will receive support from the Government of Malaysia including:-

### Air Fares

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

### Accommodation

Participants will be accommodated at a hotel/hostel within the vicinity of the training institute. Participants are strictly not allowed to bring any family members during the course.

### Daily Allowance

Participants will be provided with a daily allowance.

### Meals

Meals will be provided throughout the duration of the course.

### Course Fees

All course fees are borne by the Government of Malaysia.

## Visa & Vaccination

All participants must enter Malaysia with a Visa With Reference (VWR). Participants in the programme will receive a copy of the approval letter from CENERGY. Participants are required to obtain the VWR stamping from the nearest Malaysian Embassy/ High Commission. Participants are required to be vaccinated for Covid-19 before arriving in Malaysia. Participants from countries listed in <https://www.imi.gov.my/index.php/en/main-services/visa/visa-requirement-by-country/> are required to take mandatory vaccination for Yellow Fever at least ten (10) days before their departure to Malaysia. A Yellow Fever Vaccination certificate is required upon landing in Malaysia.