

## MANNERS

- 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;
- The course is held entirely on-line, participants must adhere to the schedule by filling up the attendance form each time the course session takes place. This course will be conducted from:
  - Date : 5<sup>th</sup> to 9<sup>th</sup> September 2022
  - Time : 1000 - 1700 Malaysian Time (GMT+8)\*\*  
*\*\*subject to change*  
*\*\*class timing will be arranged according to participants time zone suitability.*

Participants are required to turn ON their camera throughout the course;

Participants are required to maintain order and adhere to a proper dress code during the sessions;

Participants must follow all the given instructions and complete each assignment / task given for each session;

Participants need to make sure that they are in a place where internet access is excellent and avoid noisy areas to ensure that there is no disturbance throughout the course;

If the participants fail to complete the total allocated course hours, the certificate will not be issued.

## CLOSING DATE FOR SUBMISSION :

**5<sup>th</sup> AUGUST 2022**

## FURTHER INQUIRIES

For further inquiries, applicants can either approach their respective Malaysian official representative or write / email to the following address :-

**MTCP SECRETARIAT 2022  
NATIONAL INSTITUTE OF LAND AND SURVEY  
MINISTRY OF ENERGY AND NATURAL RESOURCES (KeTSA)  
35950 TANJONG MALIM  
PERAK DARUL RIDZUAN  
MALAYSIA**

Tel No : (+605) 454 2825

Or visit the website <https://www.instun.gov.my>

Fax No : (+605) 454 2841

**Mrs. Khadijah binti Shahdan**  
e-mail : [khadijah@instun.gov.my](mailto:khadijah@instun.gov.my)

**Mr. Mohamad Ridzuan bin Che Hassan**  
e-mail : [mohamadridzuan@instun.gov.my](mailto:mohamadridzuan@instun.gov.my)



# MALAYSIAN TECHNICAL COOPERATION PROGRAMME (MTCP) 2022

## INDUSTRIAL REVOLUTION 4.0 (IR 4.0) IN SURVEY AND MAPPING PRACTICES IN MALAYSIA

**5<sup>th</sup> - 9<sup>th</sup> SEPTEMBER 2022**

**Time: 1000 - 1700 Malaysian Time (GMT+8)\*\***

*\*\*class timing will be arranged according to participants time zone suitability.*

ORGANIZED BY :



Ministry of Foreign Affairs Malaysia



National Institute of Land and Survey

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CARTA - CARTA  
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GEOMATICAL CO-ORDINATES  
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## ABOUT MTCP

The Malaysian Technical Cooperation Programme (MTCP) was officially launched on 7 September 1980 at the Commonwealth Heads of State Meeting in New Delhi, India, to signify Malaysia's commitment to the South-South Cooperation, in particular, the Technical Cooperation among Developing Countries (TCDC).

The MTCP emphasizes on the development of human resources through the provision of training in various areas which are essential for a country's development such as agriculture, economy, finance, public management and administration, science & technology and ICT, health diplomacy, safety and security including cyber security, cultural diplomacy, social development, environment-related to SDG2030, education, industrial and technical training. Annually, Malaysia offered more than 60 technical and capacity-building programs under the MTCP, which have benefited more than 35,500 participants from 144 countries.

## OBJECTIVES OF MTCP

- To share the 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.

## APPLICATION

- The course fees are fully sponsored by the Government of Malaysia.
- Applications should be made using the prescribed MTCP forms available at <https://www.kln.gov.my/documents/8390448/8392184/MTCP+2022+-+APPLICATION+FORM.pdf/31506fe1-ace-a-44d1-88a2-7b4227e6bd2a>
- MTCP application forms can also be obtained from the nearest Malaysian Embassy/High Commission in recipient countries.
- All application forms must be duly completed and endorsed by the Ministry of Foreign Affairs or National Focal/Aid Coordinator Agency in the respective countries and submitted ONLY through the diplomatic channel via the Embassy/High Commission of Malaysia.
- **Only successful applicants will receive the Official Invitation notification one (1) week from the course date, by the Training Institute via email.**

## NATIONAL INSTITUTE OF LAND AND SURVEY (INSTUN)

The National Institute of Land and Survey (INSTUN) is a training institute under the Ministry of Energy and Natural Resources (KeTSA), Malaysia. INSTUN was officially established on the 1st of May 1998 through a combination of Training Section, Department of Director General of Land and Mines (JKPTG) and Training Section, Department of Survey and Mapping Malaysia (JUPEM).

INSTUN is located 140 km from KLIA and 90 km from Kuala Lumpur City Centre. INSTUN initially operated on its own building in 2002 which is located in Behrang, Tanjung Malim, Perak. A new administration building was established in 2011 and started operation in early 2012. This new building comprises of Director's Office, Administration and Financial Division Office.

As a Malaysian Public Training Institute (ILA), INSTUN provides training in the fields of land, surveying, mapping and other related information technology, as well as reference materials and information. INSTUN is also the only ILA which offers these training-related fields.

Generally, there are four (4) main functions of INSTUN. They are conducting training in land administration, surveying and mapping, and information technology, as well as conducting research studies in these fields. INSTUN also serves as a reference agency for land administration, surveying and mapping, and information technology.

## INDUSTRIAL REVOLUTION 4.0 (IR4.0) IN SURVEY AND MAPPING PRACTICES IN MALAYSIA

### THE COURSE

Technology and innovations have fueled the IR 4.0, It encourages growth and development through its efficiency capacity. The growth of the survey and mapping industry is a subset of the universal set of the gross domestic product value. Thus, IR 4.0 has a spillover effect on this industry.

Survey and mapping was among the first industries introduced in this country and is still developing locally. Hence the Department of Survey and Mapping is the first department established in Malaysia since 1885 – in the year 1870 The Second Industrial Revolution was occurred. Till now, the survey and mapping industry is growing and practised by all the relevant parties in private and government sector. These sectors together follow the modernization of technique, the latest equipment and futuristic practice of survey and mapping industry.

Besides, local government encourages the department, agencies and private sector to keep expanding knowledge of survey and mapping for future development. It shall benefit local people and outsiders. Many universities, colleges and institutions propose short course of survey and mapping for building and land development.

Other than that, for developing country and MTCP Member Countries, this course is offered purposely to share the theoretical and practical knowledge in the field of survey & mapping in Malaysia. This institution hopes that all participants will be also able to share and exchange knowledge and ideas in survey and mapping in their countries.

With proper delivering techniques of training on the use of surveying instruments and mapping software, the absorption of knowledge and skills by the participants will be maximized; hence, the course objectives will be achieved. This course will be held from 5 to 9 of September 2022, which is a 5 days course.

## COURSE OBJECTIVES

- To promote INSTUN as a training center in survey and mapping;
- To provide theoretical knowledge in the field of survey and mapping in Malaysia;
- To exchange knowledge and ideas in survey and mapping among MTCP participants in Third World countries;
- To present expertise to other countries in practicing survey and mapping; and
- To share Malaysia's survey and mapping practices, roles and contributions in the development process to achieve developed country status.

## METHODOLOGIES

Training methods via online lectures will include discussions, quizzes and evaluation. Participants are required to participate in the entire programme. Lectures will be conducted in English.

## TARGETED PARTICIPANTS

This course is suitable for government officers from land survey & mapping sector or relevant departments and agencies that have at least three (3) experience in the related field.

## EXPECTED OUTCOMES

- Participants will get experiences of basic technique in practising survey and mapping in Malaysia;
- Participants will get experience of the processes of measuring land parcel using various surveying techniques including EML & GPR, Total Station, Global Navigation Satellite Systems (GNSS), Unmanned Aerial Vehicles (UAV / Drone) and related software for data processing; and
- Participants will get to understand a complete workflow comprising various activities in order to produce a modern digital plan and interactive map.