

# INSTEP Fosters Strong Partnership with MTCP in Bringing Experiential Learning to You



## Malaysia Technical Cooperation Programme (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.

The objectives of MTCP are 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.



## Institut Teknologi Petroleum PETRONAS (INSTEP)

### Our Winning Formula

Over **40** years

of oil and gas technical training experience



More than **130,000**

technical workforce trained since 1981



Serving clients from over **35** countries



Learners' Capacity **1,098**

learners at a time on a 200-acre campus with integrated facilities



Instructor/Learners Ratio of **1 : 15**  
18 principal instructors and 33 instructors



### Industry & Technology Driven Technical Learning Solutions

To prepare future-ready global energy workforce, equipped with the right skills of tomorrow

### Customised Learning Solutions

Address different learning needs to help learners and clients reach their full potential

### Facilities as Testbed

Expanding the learning facilities utilisation to support PETRONAS and the industry research

### International Certification

Internationally accredited energy centre with industry experienced instructors, capable of delivering high quality programmes

### Capability Caretaker

Strengthen and close learners' competency gap

### Accreditations & Certifications



### Awards & Recognitions



**INSTEP**  
INSTITUT TEKNOLOGI PETROLEUM PETRONAS



## Malaysia Technical Cooperation Programme (MTCP) 2022

### Best Practices for Health, Safety and Environment (HSE) and Maintenance Excellence in Oil & Gas Industry



#### Who Should Apply?

- Engineers
- Government Body
- Technical & Non-Technical Executives in Gas and Petrochemicals Industry.



Virtual Instructor-Led Training (VILT)  
Microsoft Teams

	Session 01	Session 02
Date	09 – 13 May 2022	18 – 22 July 2022
Time	14:00 – 20:00 (UTC+8)	
Closing Date of Application	8 April 2022	17 June 2022



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INSTEP Website



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Virtual Tour





## Programme Outline

- ▶ Introduction to Health, Safety and Environment: Hazard Identification and Risk Assessment
- ▶ Overview of Petroleum Industry: Upstream and Downstream
- ▶ Maintenance Strategies
- ▶ Maintenance of Equipment in Oil and Gas Industry: Mechanical, Electrical and Instrumentation
- ▶ Introduction to INSTEP Upstream Downstream Training Plant (UDTP)

## Application Guidelines

- 1 The course fees are **fully sponsored** by the Government of Malaysia.
- 2 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-acea-44d1-88a2-7b4227e6bd2a>
- 3 MTCP application forms can also be obtained from the nearest Malaysian Embassy/High Commission in recipient countries.
- 4 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.
- 5 **Only successful applicants will receive the Official Invitation notification one (1) week from the course date, by the Training Institute via email.**

## Learning Outcomes

- ▶ **IDENTIFY** fundamental of HSE practice, hazard identification and risk assessment
- ▶ **RECOGNISE** assets integrity and inspection activities
- ▶ **DESCRIBE** overview of upstream and downstream activities in oil and gas industry
- ▶ **DESCRIBE** maintenance activities on mechanical, electrical and instrumentation

## Learning Methodology

### Interactive Learning



Practical  
Demonstration

### Collaborative Learning

Scenario-based



### Lecture-Based Learning



Virtual Instructor-Led  
Training

## Contact Us

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