

## INSTEP is a Proven Technical Provider

INSTEP was awarded 2023 HRD Corp Award for Training Provider East Coast Region, which represents the company's trajectory toward innovation and excellence.



INSTEP contributions in developing Competent Persons and aligning the effort to Self-Regulations initiatives since 2016

## Our Certified CePIETSO-BP Trainers

INSTEP is equipped with competent, experienced trainers in facilitating CePIETSO-BP programme.



### HJ. AHMAD JAFRE BIN SALLEH

B.Sc. in Chemical Engineering, from Lamar University, Beaumont, Texas, USA. One of the Competent Person in CePIETSO (BP) in 2012. (Competent Serial No: CePIETSO (BP) / 00101). Member of CIPD, United Kingdom.



### ROSLINA BINTI YATIM

B.Sc. in Chemistry from University Kebangsaan Malaysia. One of the Competent Person in CePIETSO (BP) in 2018. (Competent Serial No: CePIETSO (BP) / 00380). Registered Chemist by Institut Kimia Malaysia and Certified Trainer and Assessor from Australia.

Over **40** years  
of oil and gas technical training experience



More than **156,000**  
Technical professionals trained



Training Capacity **1,000**  
Trainees per year



Serving clients from over **35** countries



Industry & Technology Driven Technical Learning Solutions  
to prepare global workforce of tomorrow

Customised Learning Solutions  
to meet our clients' needs

Facilities as Testbed  
learning facilities utilisation to support PETRONAS and industry research

International Certification  
OPITO- & BTEC- approved oil and gas technical qualification centre

Capability Caretaker  
to strengthen learners' competencies through blended learning

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Scan QR code above for INSTEP Website



**INSTEP**  
INSTITUT TEKNOLOGI PETROLEUM PETRONAS

# CePIETSO-BP

Course for Certified Environmental Professional in the Operation of Industrial Effluent Treatment System (Biological Processes)



Experiencing is Enriching

A progressive solutions partner enriching workforce for a sustainable future

Certified Training Provider for EIMAS of the Department of Environment

## Course Dates for 2024

**INSTEP**  
certified provider

FEBRUARY

25 Feb-29 Feb

APRIL

14 Apr-18 Apr  
21 Apr-25 Apr

MAY

26 May-30 May

JUNE

2 Jun-6 Jun  
23 Jun-27 Jun

JULY

14 Jul-18 Jul

AUGUST

4 Aug-8 Aug  
18 Aug-22 Aug

SEPTEMBER

8 Sep-12 Sep  
22 Sep-26 Sep

OCTOBER

6 Oct-10 Oct  
20 Oct-24 Oct

NOVEMBER

3 Nov-7 Nov  
17 Nov-21 Nov

DECEMBER

8 Dec-12 Dec



## Course Overview

Successful operation of an ITS is an integral part of the operation of a successful industry. INSTEP, certified training provider by EIMAS is conducting a training course to train your ITS operators and supervisor to be competent in operating ITS particularly in conducting performance monitoring of the ITS components. The competent operator or supervisor will ensure that the IETS is operating optimally while complying to legal requirement and industry best practices.

This 5-day unique training course focuses on hands-on approach is in fact the only one of its kind in Malaysia. A Certificate of Competency will be awarded to participants who successfully:

- Complete 5-day course
- Pass the examination
- Submit a field training report

## Course Content



### DAY 1

- Module 1: The ITS Operator
- Module 2: Understanding the Legal Framework
- Module 3: Characteristics of Industrial Effluents
- Module 4: Overview of Industrial Effluent Treatment System
- Module 5: Biological Treatment Process
- Module 6: Rationale for Conducting Performance Monitoring of ITS

### DAY 2

- Module 7: Performance Monitoring Parameters for an Activated Sludge Process–The Working Concept
- Module 8: How to Control Activated Sludge Process

### DAY 3

- Module 9: Sampling
- Module 11: Data Analysis and Interpretation (Excel Statically Analysis)
- Module 12: Record Keeping & Reporting
- FTR Briefing

### DAY 4

- Module 10: Introduction to Industrial Effluent Treatment System & Calibration and Maintenance of Equipment
- Module 10: In situ Measurement (PH, DO, Flow) Chemical Oxygen Demand (COD) sample dige
- Module 10: Biochemical Oxygen Demand (BOD) Chemical Oxygen Demand (COD)

### DAY 5

- Module 10: Mixed Liquor Suspended Solids (MLSS) Mixed Liquor Volatile Suspended Solids (MLVSS) Sludge Volume 30 (SV30)
- Module 10: Oxygen Uptake Rate (OUR) Phosphate Ammonical Nitrogen
- Written Exam

## Who Should Attend?

Responsible person to be in charge of the operation of an IETS at their work premise; Supervisors of IETS.



## Fees

**RM5,000/pax**  
(exclusive of 8% SST)

Payment should be made prior to attending the course



## Location

**Face-to-face (F2F)**  
at INSTEP



## Minimum Requirement

- Diploma or Degree in Science or Engineering **OR**
- Certificate from polytechnic or SKM Level 3 with 1 year experience in IETS operation or handling **OR**
- SPM with 3 years experience in IETS operation or handling (company must submit copy of highest educational certificate with Job Description to confirm the experience)

## Registration Closing Date

**21 days** before the course started  
Seats are limited to **25** people per session

## Course Objective



- To impart knowledge to the IETS operators and supervisors on the importance of performance monitoring
- To develop skill on the conduct of IETS performance monitoring and evaluation of performance monitoring data

## Methodology

- Interactive Lectures
- Group Discussion
- Course Assignment
- Practical Training at INSTEP's IETS Training Center

## Benefit of Attending the Course

- Able to comply the mandatory prerequisite of the competency certification program for IETS operators and supervisors



Scan QR code to register online!

## Contact us for more information/registration



For inquiry/registration: Ahmad Syukri bin Abdul Rahman  
Email: ahmadsyukri.abrahman@petronas.com.my  
Call / WhatsApp: +609 6686 045 / +6010-7176508  
Office hour: 8.30 a.m. – 5.30 p.m., Sunday – Thursday

