

OUR TRAINER



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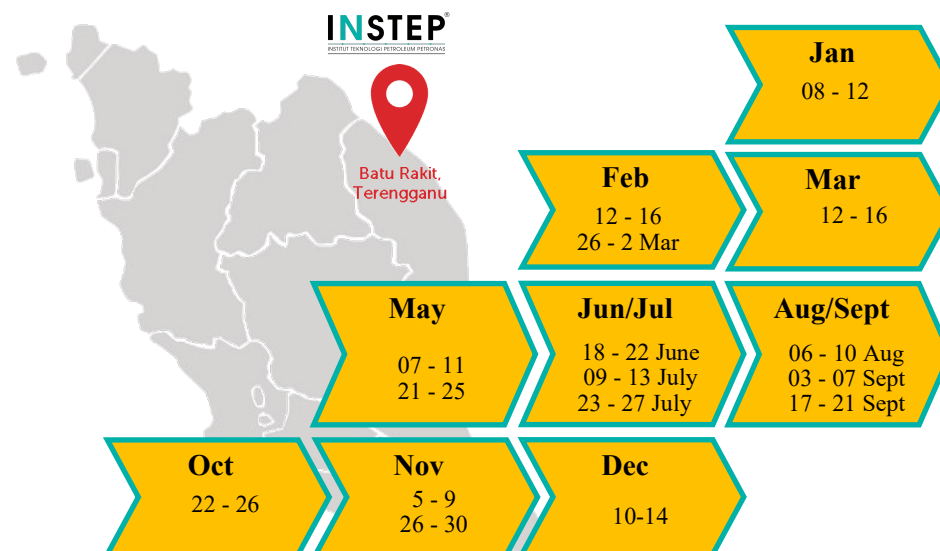
CePIETSO-BP

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



A progressive solutions partner enriching workforce for a sustainable future

Certified Training Provider for EIMAS of the Department of Environment



*Course dates for 2023
Refer to INSTEP Learning Calendar FY2023

CePIETSO-BP

COURSE OVERVIEW

Successful operation of an IETS 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 IETS operators and supervisor to be competent in operating IETS particularly in conducting performance monitoring of the IETS 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 in hybrid mode (combination of virtual & physical training) 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 the course
- ☑ Pass the examination
- ☑ Submit a field training report

COURSE CONTENTS



DAY 1

- Module 1: The IETS 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 IETS

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 Static 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 digestion
- 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.



RM5,300/pax (inclusive of 6% SST)

Payment should be made prior to attending the course



Face-to-Face (F2F) at INSTEP

MINIMUM REQUIREMENT

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

Registration
Closing Date

30 days before the
course starts

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

- Lectures/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!



Requirement for Face-to-Face session

- The candidate and training provider shall comply with SOPs and guidelines by KKM, Training Provider and HRDC.

**INSTEP will refer to PPRT 'PETRONAS Preparedness & Pandemic Response Team' guideline*

Contact us for more information/registration

For inquiry :

For registration : Alia Diyana / Ahmad Syukri
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