



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

School of  
Professional and  
Continuing  
Education  
(UTMSPACE)



**13-15 NOVEMBER 2018**

**UTM JOHOR BAHRU**

# PROFESSIONAL COURSE : EFFECTIVE MANAGEMENT SKILLS ON INDUSTRIAL EFFLUENT TREATMENT SYSTEM (IETS) OPERATION

**IN-HOUSE Courses can be designed in accordance with organizational requirements**

## INTRODUCTION

**EiMAS : 18 CPD Hours**

Acquiring effective (ability and capacity) skills to efficiently and adaptively operate an industrial effluent treatment system (IETS) at the industrial premise is essential to ensure successful operation of the IETS, besides accomplishing improved environmental regulatory compliance and greater environmental image. Besides covering topics on engineering fundamentals, the professional course on effective management of IETS operation likewise emphasizes problem solving and applications. Course contents are spread across six (6) modules which comprise of unit operations and processes of physical-chemical treatment (PCP), biological treatment (BP), performance monitoring as stipulated in Regulation 9(a) of the Industrial Effluent Regulations (2009), and laboratory sessions. The course is aimed at assisting participants to operate and maintain the IETS in accordance with sound engineering practice. Operational characteristics of the IETS will be sustained within the acceptable ranges with proper plant management skills. Delivering methods will be tailored to meet adult learning needs.

## TARGET PARTICIPANTS

- Consulting Engineers, Project Managers and Engineers, Wastewater Treatment Engineers and Operators, Project Coordinators, Supervisors, Maintenance Personnel, and Technicians, HSE Officer, Environmental Monitoring Committee (EMC) member;
- Academicians, students who will join the environmental sector, and research students;
- Any party interested in / being held responsible for IETS operation.

## TRAINING MODULES

- Module 1 - Fundamentals of Industrial Effluent Engineering
- module 2 - Physical-Chemical Treatment Processes (PCP)
- Module 3 - Performance Monitoring of Physical-chemical Treatment Processes
- Module 4 - Biological Treatment Processes (BP)
- Module 5 - Performance Monitoring of Biological Treatment Processes
- Module 6 - Laboratory Session

## OBJECTIVE

- To improve participants' understanding of IETS, concerning design, operation, maintenance, and troubleshooting.
- To implement proper "Performance Monitoring Concept" in participants' daily IETS operation in accordance with the Guidance Documents on Performance Monitoring for IETS Operation.
- To analyse and evaluate the efficiency of IETS based on the performance monitoring data.

## TRAINERS



### LIEW WAI LOAN

Senior Lecturer (UTMSPACE), Programme Coordinator (BBA-IB),  
PSMB Certified Trainer (TTT/19577),  
PhD in Civil Engineering (UTM), BTech (Hons) Environmental (UMT)

### ONG CHOONG XIN (DONALD)

Technical and Training Director (Environmental Competency Consultancy Sdn Bhd),  
PSMB Certified Trainer (TTT/18355),  
EiMAS Certified Competent Person (CePIETSO-PCP/00147) (CePSWaM-161241),  
BBA (Hons) Human Resource Development (MMU)



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E-mail : azidah@utmspace.edu.my Contact Person : MS. NOOR AZIDAH AHMAD

# REGISTRATION FORM

To confirm your registration, please complete this form including payment.

YES! Please register the following participant(s) for this course

I am interested but unable to attend. Please put me on your mailing list.

Please tick (/) where applicable

Course Name : **Professional Course - Effective Management Skills on IETS Operation**

Venue : **UTM Johor Bahru**

Date : **13-15 November 2018**

Early Bird :  **RM2,100.00** per pax  
*(before 31 October 2018)*

Fee :  **RM2,200.00** per pax  
*Includes refreshment, course material & Certificate of Attendance*

## \*DETAILS OF PARTICIPANT ATTENDING THE COURSE :

No.	Name of Participant	Mobile No.	Email Address	NRIC (for HRDF claim)	Fee (RM)

(Please attach a separate list if necessary)

\*UTMSPACE respects the privacy of its customers with regards to personal data. For further details, please visit : [www.utmspace.edu.my/pdpa](http://www.utmspace.edu.my/pdpa)

Total

SPONSORSHIP :  Self-Sponsored  Company-Sponsored

## INDIVIDUAL / COMPANY DETAILS (for issuance of invoice) :

Organisation : \_\_\_\_\_  
Address : \_\_\_\_\_  
Contact Person : \_\_\_\_\_ Co. Reg. No\* : \_\_\_\_\_  
Tel No. : \_\_\_\_\_ \* if applicable Designation : \_\_\_\_\_  
Fax No. : \_\_\_\_\_ Email : \_\_\_\_\_

Cancellations received in writing 30 days prior to the programme are eligible for a refund, subject to a 15% cancellation fee. Cancellations received less than 14 days from the date of the programme are not eligible for a refund. However, substitute attendees are welcome. Please note that the speakers and topics are confirmed at the time of printing. However, circumstances beyond the control of the organisers may necessitate substitutions or cancellations of speakers and/or topics. As such UTMSPACE reserves the right to alter or modify the advertised speakers and/or topics.

Authorised Signature\* : \_\_\_\_\_ Date : \_\_\_\_\_  
Name : \_\_\_\_\_ Designation : \_\_\_\_\_  
*\* Head of Department / Approving Manager*

Company Stamp

## MODE OF PAYMENT

### A. Cheque or Bank Draft

Cheque No. / Bank Draft No. : \_\_\_\_\_ Bank/ Branch : \_\_\_\_\_

All crossed cheque / bank draft should be made payable to Account Name : UTMSPACE  
Account Number : 8601518228 | Bank Name : CIMB Islamic Bank Berhad | Branch : UTM Skudai, Johor

### B. Telegraphic Transfer / Local Order

Transaction Date : \_\_\_\_\_ Reference Number : \_\_\_\_\_

| Terms & Conditions Apply |

FOR FURTHER INFORMATION, PLEASE CONTACT :

ENVIRONMENTAL COMPETENCY CONSULTANCY SDN. BHD.  
No. 18A, Jalan Bakawali 39, Taman Johor Jaya, 81100, Johor Bahru, Johor.

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