

## **IES Preparation Course for PPE Examination Part 2 -**

### **Mechanical Engineering – Cold and Hot Water Services & Sanitary Plumbing Systems within Buildings**

**Date : 9, 11, 16 & 18 Mar 2021 (Tuesdays & Thursdays)**

**Time: 6.30pm to 10.00pm**

**Venue: IES Academy@e2i, Devan Nair Institute for Employment and Employability**

**80 Jurong East Street 21 #04-10 Singapore 609607**

**CET Hours : 14 Hours - To Be Confirmed)**

**Fees \* : \$599.20 Nett (IES Members) \$749.00 Nett (Non-Members)**

**Funding: UTAP – Approved**

**The Practice of Professional Engineering Examination Part 2 (Mechanical)** has been implemented since 2007. The paper aims to examine candidates on their proficiency in the practice of mechanical engineering at a professional level. Candidates are expected to have a good knowledge of the regulatory requirements and practices in Singapore. In particular, knowledge is required in the areas of regulatory frameworks, submission and approval procedures, statutory acts and regulations, practice guidelines and codes of practices.

The course aims to equip participants and interested parties with knowledge in the field of: **Cold and Hot Water Services & Sanitary Plumbing Systems within Buildings**, which are **two of the topics** in the syllabus of the PPE Examinations Part 2. Salient points and working knowledge of the relevant regulations, by-laws, Acts and accepted/approved codes of practices, circulars issued by the Authorities will be covered in this preparatory course.

#### **Course Outline / Outcomes**

##### 1<sup>st</sup> Session

- Preparations for the Practice of Professional Engineering Examination Part 2 (Mechanical)
- Salient points of CP 48: Code of practice for Water Services
- Public Utilities (Water Supply) Regulations

##### 2<sup>nd</sup> Session

- Design considerations for Cold and Hot Water Services within Buildings
- Working examples for Cold and Hot Water Services within Buildings from past questions from the Practice of Professional Engineering Examination Part 2 (Mechanical)

### 3<sup>rd</sup> Session

- Salient points of the Code of practice for Sewerage and Sanitary works
- Sewerage and Drainage (Sanitary Works and Sewerage Works) Regulations

### 4<sup>th</sup> Session

- Design considerations for Sanitary Plumbing Systems within Buildings
- Working examples for Sanitary Plumbing Systems within Buildings from past questions from the Practice of Professional Engineering Examination Part 2 (Mechanical)

### **Target Audience**

Any interested parties but this course will benefit individuals who are aspiring to be professional engineers and participants who are preparing for the Practice of Professional Engineering Examination Part 2

### **Profile of Trainer**

Er. Christopher John Eng  
B.A.Sc (Mechanical Engineering), cum laude  
Professional Engineer (Mechanical Engineering)

Er. Christopher John Eng is currently a Principal Engineer at CASY Engineering Consultancy Pte Ltd. He graduated cum laude with a Baccalaureate in Applied Science in Mechanical Engineering from the University of Ottawa, Canada in 2006.

Er. Eng has over 10 years of experience in the built environment sector, having served in both the private and public sector. After graduation, he joined a private firm as a Product Engineer before joining a local consultant practice in 2010, where he was a Senior Engineer handling M&E building service designs for residential, commercial, institutional and industrial projects. He joined the Building and Construction Authority in 2015, carrying out regulatory enforcement and inspections of Transit Shelters, Amusement Rides, and Lifts & Escalators, before returning to the private sector in 2020 with CASY Engineering Consultancy Pte Ltd, where he handles M&E consultancy for building services, and conducts inspections for Gas pipelines, Amusement Rides, Lifts & Escalators and Fire Certification.

# Registration Form

## IES Preparation Course for PPE Examination Part 2 - Mechanical Engineering – Cold and Hot Water Services & Sanitary Plumbing Systems within Buildings

Date : 9, 11, 16 & 18 Mar 2021 (Tuesdays & Thursdays)

Time : 6.30pm to 10.00pm

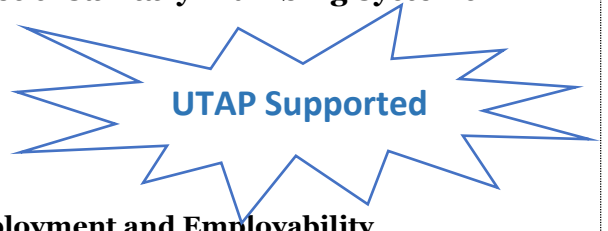
CPD Programme: 14 CET Hours – To Be Confirmed

Venue : IES Academy@e2i, Devan Nair Institute for Employment and Employability  
80 Jurong East Street 21 #04-10 Singapore 609607

Fees \* : \$599.20 (IES Members) \$749.00 (Non-Members)

Please register online/mail/fax the completed form **by 1 Mar 2021 Before 3pm** to:  
Karen Phua

IES Academy@e2i, Devan Nair Institute for Employment and Employability,  
80 Jurong East Street 21, #04-10 S(609607) (Tel) 6463 9211 Email: [karen@iesnet.org.sg](mailto:karen@iesnet.org.sg)



### Participant Details

Name : \_\_\_\_\_ NRIC : \_\_\_\_\_

Company : \_\_\_\_\_ Designation: \_\_\_\_\_

Address 1 : \_\_\_\_\_  
(For mailing of invoice and receipt)

Address 2 : \_\_\_\_\_  
(For mailing of Certificate)

Postal Code : \_\_\_\_\_ Sex : \_\_\_\_\_ Male / Female \_\_\_\_\_

Tel : \_\_\_\_\_ Fax : \_\_\_\_\_

Email : \_\_\_\_\_

Please indicate :  IES members IES M'ship No.: \_\_\_\_\_ P.E. No.: \_\_\_\_\_ (if applicable)

Non-members  Sponsored by company

### Contact Person Details (if different from participant)

Name : \_\_\_\_\_ Designation: \_\_\_\_\_

Tel : \_\_\_\_\_ Fax: \_\_\_\_\_

Email : \_\_\_\_\_

### Payment Details

Bank / Cheque No.: \_\_\_\_\_ Amount(\$): \_\_\_\_\_

\* All Fees are inclusive of 7% GST

\*\* Cheque should be made payable to: **Engineers Singapore Pte Ltd**

### Acceptance of Terms and Conditions for Registrations of IES Academy's Events

Name : \_\_\_\_\_ Signature: \_\_\_\_\_

## **TERMS & CONDITIONS**

### **Registration**

Any registration, whether on-line or fax will be on a ***first-come-first-served basis*** and will only be confirmed upon receipt of full payment by Engineers Singapore Pte Ltd unless otherwise invoice to company. All registrations must be submitted with duly completed registration form.

### **Closing Date & Payment**

The closing date of the event will be 1 week prior to event commencement date or earlier. Cheques should be crossed 'A/C payee only' and made payable to '**Engineers Singapore Pte Ltd**', with the ***Title of The Event indicated clearly written on the back of the cheques***, and submitted with the duly completed registration forms to:

**IES Academy@Jurong East**

Devan Nair Institute for Employment and Employability, 80 Jurong East Street 21, #04-10  
Singapore 609607

### **Confirmation of Registration**

Confirmation of registration will be given at least 1 week before the commencement date via email. ***If you do not receive the said confirmation email, you are required to contact IESA at 6463 9211 during office hours.***

IESA reserves the right to allow only confirmed registrants to attend the Event.

### **Withdrawals/Refunds of Fees**

Written notice *at least 1 week in advance* before the commencement of the event  
Full course fee shall be refunded subjected to 4.5% transaction charge. NO refund otherwise.  
No show of participant would not be accepted as a valid reason for withdrawal/refund.

One time replacement is allowed only if written notice is received by us at least 1 week before the commencement of the event. However, when an IES member is replaced by a non-member, the participant has to pay the difference in the relevant fees.

### **Cancellation/Postponement**

Changes in Venue, Dates, Time and Speakers for the Events can occur due to unforeseen circumstances. IES reserves the full rights to cancel or postpone the Event under such circumstances without prior reasons. Every effort, however, will be made to inform the participants or contact person of any cancellation or postponement.

Fees will be refunded in FULL if any Event is cancelled by IESA.

**UTAP (Union Training Assistance Programme)** is an individual skill upgrading account especially for NTUC members. As a member, you enjoy UTAP funding at 50% of the unfunded course fee capped at \$250 every year.

Please visit [HERE](#) for more information on UTAP claim.

### **PERSONAL DATA PROTECTION ACT**

I consent to the processing by Institution of Engineers, Singapore of personal data, including sensitive personal data as defined in the Data Protection Act 2014, about me for the proper purposes of Institution of Engineers, Singapore (IES). I undertake to observe the provisions of the Data Protection Act 2014 in relation to any personal data I may myself hold and process as a Members of Institution of Engineers, Singapore, and I agree to indemnify Institution of Engineers, Singapore from liability for any claims or damages that may arise from the processing of this data. For more information kindly refer to [here](#).

### **Enquiries**

For further enquiries, please contact IESA general office at Tel: 6463 9211.