

IES Preparation Course for PPE Examination Part 2 –

Mechanical Engineering - Pressure Vessels and Steam Piping 3rd Run

Date: 20 August 2024 (Tue), 22 August 2024 (Thu) & 27 August 2024(Tue)

Time: 6.00pm to 9.45pm

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

CPD Hours : 9 PDU - Confirmed

Fees * : \$457.80 (IES Members) \$572.25 (Non-Members)

**** UTAP - Supported**

**** SkillsFuture(SFC) - Funded [TGS-2022013838](#)**

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: **Pressure Vessels and steam piping**, 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

1st session (3.5hrs)

- Preparation for the Practice of Professional Engineering Examination Part 2 (Mechanical)
- Salient points of ASME Boiler and Pressure Vessel Code
- MOM regulations for Statutory Pressure Vessels

2nd Session (3.5hrs)

- Salient points of ASME Section II Part D on materials and its properties
- Salient points of ASME Section VIII Division 1 on design consideration
- Salient points of ASME Section VIII Division 1 on fabrication
- Salient points of ASME Section VIII Division 1 on welding
- Work examples

3rd Session (3.5hrs)

- MOM regulations for steam piping
- Salient points of ASME B31.1: ASME Code for power piping
- Salient points of ASME B31.3: ASME Code for process piping
- Work examples

Profile of Trainer

Er. Victor Tan

B.Eng (Hons) - Mechanical Engineering

Professional Engineer (Mechanical Engineering)

CSWIP 3.1 – Welding Inspector – Level 2

Er. Victor Tan is currently a Principal Engineer at CASY Engineering Consultancy Pte Ltd. He graduated with a Bachelor's degree in Mechanical Engineering from the National University of Singapore in 2014. Er. Tan has about over 8 years of experience in the area of pressure vessels and steam piping.

After graduation, he joined ABSG Consulting Inc., which is a third-party inspection body as a Technical Representative where he undertakes the third party certification of pressure vessel and steam piping fabrications. Furthermore, he is also involved in the works relating to MOM steam piping and statutory pressure vessels on various projects.

Subsequently, he joined CASY Engineering Consultancy Pte Ltd, where he handles M&E consultancy for building services, conducts inspections for Gas pipelines, Amusement Rides, Lifts & Escalators and Fire Certification. Together with the SPE in pressure vessels, He handles the design calculations and design review of pressure vessels and steam piping, involved in statutory inspections for pressure vessels and steam piping as well as carrying out fitness for service assessment on in-service press

Registration Form

**IES Preparation Course for PPE Examination Part 2 -
Mechanical Engineering - Pressure Vessels and Steam Piping 2nd Run**

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Please register online/mail/fax the completed form **by 12 August 2024 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

Participant Details

Name : _____ NRIC : _____

Company : _____ Designation: _____

Address : _____

Postal Code : _____ Gender: _____ Male / Female

Tel : _____ 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 : _____ Email : _____

Payment Details

Payment via bank transfer or PayNow. All Fees are inclusive of 9% GST.

**Beneficiary: IES
Academy Pte Ltd Bank:
United Overseas Bank
SWIFT: UOVBSGSG
Bank Code: 7375
Branch Code: 016
Bank Account number: 339-326-153-4**

**PayNow:
IES Academy Pte Ltd
UEN:202026912H**



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.

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.

SkillsFuture Credit (SFC) “All Singaporeans aged 25 and above can use their \$500 SkillsFuture Credit from the government to pay for a wide range of approved skills-related courses. Visit the SkillsFuture Credit website (www.skillsfuture.sg/credit) to choose from the courses available on the SkillsFuture Credit course directory.”

Please visit [HERE](#) for more information on SFC & 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.