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“Learn the latest trends and techniques in Steel structures Design.”

Lunch and Refreshment will be provided

**Design text book**  
“An Introduction to Design Of Steel Structures to Eurocode 3”  
by Premini Hettiarachchi and Isuru Nanayakkara,  
will be provided free of charge

## Duration

Three Consecutive Fridays  
in March & one Saturday in  
April full day  
from 8.30 a.m to 5.00 p.m

## Target Group

Practising Engineers  
who are willing to  
gain the knowledge.  
Engineers who are looking  
for CPD courses.

- Structural Engineers (Design & Site)
- Chartered & Associate Engineers
- Graduate Engineers
- Consultants and Design Reviewers

## Course Fee

Member- Rs 25,000/=

Non-Member- Rs 30,000/=

Maximum allowed – 60 participants on first  
come first served basis.

## For Registration

Call Dilki/Hashan

+94112698726

+94722252858 (Hotline)

Scan here for  
Registration



<https://forms.gle/S2FDKFTKJJx8q8918>



**SOCIETY OF STRUCTURAL  
ENGINEERS - SRI LANKA**

**DESIGN COURSE – SSESL**

**Practical Design of  
Steel Structures**  
In Accordance with  
**Eurocode 3 (EN 1993)**

Will commence on  
13th of March, 2026  
at Hector Kobbekaduwa  
Agrarian Research  
and Training Institute (HARTI)

## COURSE OBJECTIVES

This intensive professional development course is designed to provide a practical and in-depth understanding of Eurocode 3 (EN 1993) for the design of steel structures. The programme begins with a clear introduction to the fundamentals of Eurocode 3 and progressively advances to the design of steel tension, compression and bending members, bolted and welded connections, and overall frame behavior. Delivered across 4 days of structured technical sessions, the course strongly emphasizes real-world design application through worked examples, in-class problem solving, and practical case studies based on real projects. Participants will gain clarity on global analysis, stability considerations, and common design mistakes, enabling them to apply Eurocode 3 confidently, efficiently, and correctly in professional engineering practice. Guidance from an experienced academic faculty ensures that theoretical concepts are effectively translated into sound, practical, and constructible engineering solutions.

### ORGANIZED BY

Society of Structural Engineers Sri Lanka  
(SSESL)

Eng Lionel Gunawickrema-(0777224202)  
Dr. Nadira Gunathilaka-(0716844429)  
Eng. Damitha Ranasinghe-(0777229908)  
Eng.Chamith Madhubashitha-(0719701112)  
Eng. Bhashitha Kurukulasooriya-(0712603779)

## PARTICIPANT BENEFITS

- Practical confidence in applying Euro code 3
- Deeper understanding of members, connections & frame behavior
- A copy of “An Introduction fo Design Of Steel Structure to Eurocode 3 ” by Premini Hettiarachchi and Isuru Nanayakkara, will be given to each participant
- A certificate valid for CPD will be given for each participant who is having more than 80% attendance

## LEARNING APPROACH

- ✓ Strong focus on practical application of Eurocode 3
- ✓ In-class design problems to reinforce theory
- ✓ Interactive discussions and hands-on problem solving
- ✓ Continuous guidance from experienced academics and practitioners

## COURSE STRUCTURE

- DURATION: 4 DAYS
- TIME: 8.30 am – 5.00 pm  
(Includes 1-hour break for tea & lunch)
- TOTAL TECHNICAL HOURS: 32 CPD HOURS

## RESOURCE PERSON



**PRINCIPAL  
RESOURCE PERSON:  
DR. PREMINI  
HETTIARACHCHI**  
(Former Senior Lecturer)  
University of Moratuwa



**RESOURCE PERSON:  
DR. SUMUDU HERATH**  
(Senior Lecturer)  
University of Moratuwa



**RESOURCE PERSON:  
DR. KANISHKA  
CHANDRATHILAKA**  
(Senior Lecturer)  
University of Moratuwa

## COURSE CONTENT

DATE	MORNING	EVENING
13 <sup>th</sup> March 2026	<p><b>INTRODUCTION &amp; DESIGN PHILOSOPHY OF EUROCODE 3</b></p> <ul style="list-style-type: none"><li>• Overview of Eurocode Framework</li><li>• Design philosophy</li><li>• Key differences from BS 5950</li></ul> <p><b>AXIALLY LOADED MEMBERS TO EUROCODE 3</b></p> <ul style="list-style-type: none"><li>• Design checks for tension and compression members</li></ul>	<p><b>RESTRAINED &amp; UNRESTRAINED BEAMS TO EUROCODE 3</b></p> <ul style="list-style-type: none"><li>• Design checks for Moment and Shear Resistance</li><li>• Design checks for Lateral Torsional Buckling</li></ul>
20 <sup>th</sup> March 2026	<p><b>MEMBERS SUBJECT TO COMBINED BENDING AND AXIAL LOADING TO EUROCODE 3</b></p> <ul style="list-style-type: none"><li>• Design checks for beam-columns</li></ul>	<p><b>STRUCTURAL STEEL CONNECTIONS TO EUROCODE 3</b></p> <ul style="list-style-type: none"><li>• Bolted and Welded connections</li><li>• Force Transfer Mechanisms</li><li>• Joint Classification</li></ul>
27 <sup>th</sup> March 2026	<p><b>MOMENT CONNECTIONS TO EUROCODE 3</b></p> <ul style="list-style-type: none"><li>• Design checks for a bolted end plate connection</li></ul>	<p><b>MOMENT CONNECTIONS TO EUROCODE 3</b></p> <ul style="list-style-type: none"><li>• Worked example of a bolted end plate connection</li></ul>
04 <sup>th</sup> April 2026	<p><b>ANALYSIS AND BEHAVIOUR OF STEEL FRAMES TO EUROCODE 3</b></p> <ul style="list-style-type: none"><li>• Methods of analysis considering material non-linearity, deformed geometry, stability and imperfections</li></ul>	<p><b>ANALYSIS AND BEHAVIOUR OF STEEL FRAMES TO EUROCODE 3</b></p> <ul style="list-style-type: none"><li>• Worked examples on lateral bracing and roof bracing</li></ul>