



MEGA JATI ACADEMY SDN BHD

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Steel Design Structural System Based on EUROCODE 3

TRAINING ID: MJA/CNS/2020/003

By

MEGA JATI ACADEMY SDN BHD

Jalan Marikh U5/174,

CB Seksyen U5,

40150 Shah Alam, Selangor

2020

Steel Design Structural System

Based on EUROCODE 3

TRAINING ID: MJA/CNS/2020/003

1.0 INTRODUCTION

The course covers the analysis and design of structural systems, prefabricated steel beams and columns in both simple and rigid construction, based on EUROCODE 3. It covers beams, columns, trusses, connections and portal frames. After attending this course, engineers are able to design multi-story steel buildings, which are categorized as one of the industrialized building systems, more economically and safely. For the connection, the course covers beam to column connection and base plate in a building designed as a simple construction, in which the connections between members are assumed as incapable of transmitting moments. Simple connection is used in braced steel frames, i.e. the majority of steel structures other than portal frames and is generally considered as cheaper in fabrication, faster in erection and easier in design calculation

2.0 COURSE OBJECTIVES

The objectives of the course are:

- 1) to provide participants with the knowledge of structural steelwork design using EUROCODE 3 BS EN 1993-1-1:2000.
- 2) To learn how to design the connections in steel structures
- 3) To introduce general analysis and design of portal frame structures
- 4) To able to familiar with the design calculation through the discussion on worked examples.

3.0 LANGUAGE & LOCATION:

The course material will be in English and Malay. Lectures will be held in the Client's Facilities

4.0 COURSE FEE:

NO	METHOD OF PAYMENT	ACCOUNT NAME	BANK	ACCOUNT NUMBER
1.	Cek / <i>Online Transfer</i>	Mega Jati ACADEMY Sdn Bhd	Bank Islam Malaysia Berhad	1427-401000-7241
2.	LO / HRDF	Mega Jati Consult Sdn Bhd	Maybank Banking Berhad	5142-7132-6182
3.	e-Perolehan	Mega Jati Consult Sdn Bhd	Nombor e-Perolehan Pembekal eP-140010377	

For help and further information please contact

1) Account: Miss Ria : 012 349 8656

2) Training: Miss Zahafarina : 017 419 3031

5.0 COURSE OUTLINE

COURSE	STEEL DESIGN STRUCTURAL SYSTEM BASED ON EUROCODE 3		
DURATION REQUIRED	2 DAYS	LEARNING TIME	16 HOURS
METHOD OF LEARNING	LECTURE, SOFTWARE, DESIGN CALCULATION WORKSHOP, AUDIO VISUAL PRESENTATION		
CPD AWARDED	CIDB 20 CPD FOR EACH PARTICIPANT / HRDF CLAIMABLE		

TIME	8.30 AM – 10.30 AM	10.30 AM 11.00 AM	11.00 AM – 12.30 PM	12.30 PM 2.30 PM	2.30 PM 5.30 PM
DAY					
FIRST DAY	INTRODUCTION TO EC 3	BREAK	DESIGN OF BEAM and COLUMN	BREAK	DESIGN OF TRUSS
SECOND DAY	DESIGN OF CONNECTION		DESIGN OF BASE PLATE		DESIGN OF PORTAL FRAME

*Subject to final changes

*Speakers will be disclosed upon request

6.0 COURSE SPEAKER

**Subject to final changes.*

-END-

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