



PROPOSAL PAPER

Technical Seminar 2025

TOPIC	Journey to Jurutera Elektrik Kompeten Malaysia (JEK)
DATE	24 th April 2025
TIME	9.00am– 5.30pm
VENUE	Mega Jati Academy Training Centre, Shah Alam

1.0 COURSE DESCRIPTION:

Becoming a Jurutera Elektrik Kompeten (JEK) in Malaysia is a significant milestone for electrical engineers seeking to advance their careers in the power and energy sector. This one-day intensive course provides a comprehensive roadmap for engineers aspiring to obtain their Competent Electrical Engineer (CE) certification, aligning with the requirements set by the Energy Commission (Suruhanjaya Tenaga, ST).

Participants will gain essential insights into the qualification process, competency examination, legal frameworks, and technical knowledge required for JEK certification. The course will also cover key areas such as electrical safety, power system operations, and compliance with the Electricity Supply Act 1990 (Act 447).

By the end of this session, participants will have a clearer understanding of the pathways, challenges, and expectations in becoming a certified Jurutera Elektrik Kompeten (JEK) in Malaysia, paving the way for a successful and rewarding career in the electrical industry.

2.0 WHO SHOULD JOIN THIS CLASS?

- Graduate & Practicing Electrical Engineers – Those aiming to become a Competent Electrical Engineer (CE) under Suruhanjaya Tenaga (ST).
- Electrical Supervisors & Chargemen – Professionals seeking career progression towards JEK certification.
- Facility & Maintenance Engineers – Those managing electrical installations in industrial, commercial, or power plant settings.
- Consultants & Design Engineers – Engineers involved in power system design, electrical safety, and compliance with ST regulations.
- Academicians & Trainers – Those interested in understanding the pathway, requirements, and technical knowledge for JEK certification.

3.0 LEARNING OBJECTIVES:

By the end of this "Journey to Jurutera Elektrik Kompeten (JEK) Malaysia course, participants will be able to:

- **Understand the JEK Certification Pathway**
Learn the requirements, application process, and examination structure set by Suruhanjaya Tenaga (ST).
- **Interpret Relevant Acts, Regulations & Standards**
Gain insights into Electricity Supply Act 1990 (Act 447), Electricity Regulations 1994, and other industry guidelines.
- **Identify Key Roles & Responsibilities of a JEK**
Understand the duties, legal obligations, and responsibilities of a Competent Electrical Engineer (CE).
- **Enhance Technical Knowledge for Competency Examination**
Review fundamental topics such as electrical protection, power system operations, maintenance, and safety.
- **Develop Strategies for Exam Preparation & Interview Readiness**
Learn effective study techniques, common challenges, and tips for passing the JEK competency assessment.

4.0 COURSE SCHEDULE:

Time	Details	
08:30 – 09:00 AM	Registration & Welcome Remarks	Participant registration and course briefing.
09:00 – 10:30 AM	Pathway to Jurutera Elektrik Kompeten (JEK)	- Overview of JEK certification requirements. - Roles and responsibilities of a Competent Electrical Engineer (CE). - Application and examination process under Suruhanjaya Tenaga (ST).
10:30 – 10:45 AM	Morning Break	Refreshments & networking.
10:45 – 12:30 PM	Regulatory Framework & Legal Requirements	- Electricity Supply Act 1990 (Act 447) & Electricity Regulations 1994. - Key industry standards and compliance requirements. - Key industry standards and compliance requirements.
12:30 – 01:30 PM	Lunch Break	Lunch and networking.
01:30 – 03:00 PM	Technical Knowledge for JEK Examination	- Power system operations & electrical protection. - Fault analysis, earthing systems, and safety considerations.
03:00 – 03:15 PM	Afternoon Break	Refreshments.
03:15 – 04:30 PM	Exam Preparation & Interview Readiness	- Key topics covered in the competency examination. - Common mistakes and how to avoid them.

5.0 PROFILE SPEAKER

Assoc. Prof. Ir. Ts. Dr. Ahmad Zaidi Bin Abdullah is an Associate Professor at Universiti Malaysia Perlis (UniMAP). He obtained his Bachelor of Engineering in Industrial Electronic Engineering from UniMAP in 2007, followed by a Master of Engineering in Electrical Power from Universiti Tenaga Nasional (UNITEN) in 2011. He later pursued and completed his PhD at UniMAP.

Dr. Ahmad Zaidi is a Professional Engineer (P.Eng) and a Professional Technologist (P.Tech), with expertise in electrical engineering and sustainable development. He is also a Certified Energy Manager (CEM) and an accredited HRDC Trainer. His research interests include partial discharge measurement, detection, and location techniques, contributing significantly to advancements in electrical insulation diagnostics.

Passionate about engineering education and sustainable development, he actively engages in research and training programs. Through his expertise, he continues to inspire and mentor future engineers while promoting energy efficiency and innovative engineering solutions.


6.0 PROGRAM FEE

The published fees for this program are as follows:

NO	DETAIL	FEE
1	Journey to Jurutera Elektrik Kompeten Malaysia (JEK)	RM 420/pax

The fee proposed is inclusive all for Mega Jati Academy's expenses **excluding 8% service tax**

7.0 PAYMENT METHOD



HRDC Claimable

1240301V

Mega Jati Academy Sdn. Bhd.



Bank Islam Malaysia Berhad

Bank Transfer/Cheque

1427-401000-7241

Mega Jati Academy Sdn. Bhd.



CHIP®

Online Payment Gateway

Credit/Debit Card:
www.payment.megajatiacademy.com

Mega Jati Academy Sdn. Bhd.



e-Perolehan

Vendor e-Perolehan number
eP-1008I0BK3

Mega Jati Academy Sdn. Bhd.

8.0 PUBLISHED POSTER



CPD & CCD Awarded by:
*All CPD/CCD are applied. Subject for approval

Collaboration Partner:
www.construction.org.my

SURUHANJAYA TENAGA
JEK

JOURNEY TO JURUTERA ELEKTRIK KOMPETEN (JEK) MALAYSIA

Participants will gain essential insights into the qualification process, competency examination, legal frameworks, and technical knowledge required for JEK certification. The course will also cover key areas such as electrical safety, power system operations, and compliance with the Electricity Supply Act 1990 (Act 447). Understanding of the pathways, challenges, and expectations in becoming a certified Jurutera Elektrik Kompeten (JEK)

Date	Time	Fee	Venue
24th April 2025	9 am - 5 pm	RM 420.00/pax	Subang Bestari, Selangor

What will you learn in this class?

- Understand the JEK Certification Pathway
- Interpret Relevant Acts, Regulations & Standards
- Identify Key Roles & Responsibilities of a JEK
- Enhance Technical Knowledge for Competency Examination
- Develop Strategies for Exam Preparation & Interview Readiness

Assoc. Prof. Ir. Ts. Dr. Ahmad Zaidi Bin Abdullah
He is a Professional Engineer (P.Eng) and a Professional Technologist (P.Tech), with expertise in electrical engineering and sustainable development. He is also a Certified Energy Manager (CEM) and an accredited HRDC Trainer. His research interests include partial discharge measurement, detection, and location techniques, contributing significantly to advancements in electrical insulation diagnostics.

Any inquiries please contact us at: **+6012 697 6429** (Ms. Aliya Azrina)

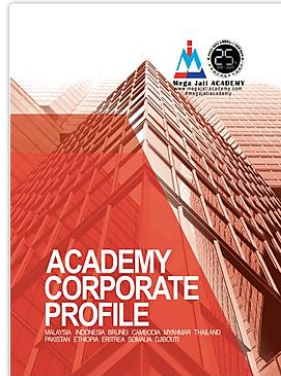
Please log on to our website to register: **www.megajatiacademy.com/technical-seminar**

9.0 MEGA JATI ACADEMY

Get all these books
FOR FREE All books provides you with the complete information
of our nature of business in year 2024



Download



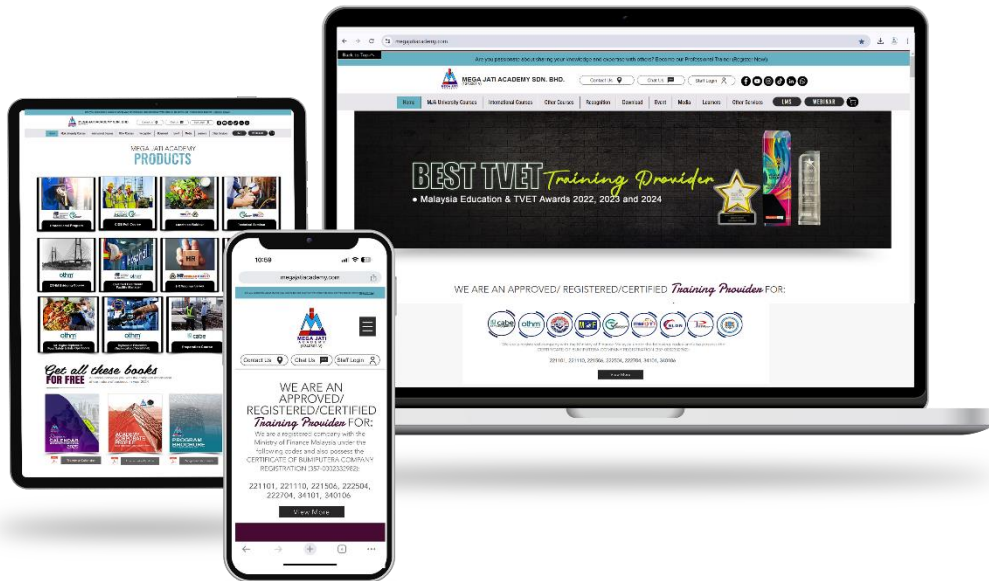
Download



Download



Download



[Click here to visit our Official Website](#)

Any inquiries regarding this proposal paper, you may contact me:
[WhatsApp Me !](#)



ALIYA AZRINA
+6012 697 6429
Program Executive