

PENSIJILAN PROFESIONAL DALAM PROGRAM APLIKASI PRAKTIKAL SISTEM ELV

PERKESO

www.zohlgroupp.com
COURSE CODE: HIT9014 **LEVEL:** Basic to Intermediate

LANGUAGE: Bahasa & English

SINOPSIS KURSUS

Voltan Ekstra Rendah bermaksud voltan bekalan elektrik berada dalam julat yang cukup rendah sehingga tidak membawa risiko tinggi kejutan elektrik voltan tinggi. Julat voltan yang boleh diklasifikasikan sebagai Voltan Ekstra-Rendah adalah arus ulang-alik (AC current) tidak melebihi 50 V AC dan arus terus (DC current) tidak melebihi 120 V DC (bebas riak/ ripple free). Ini berdasarkan piawaian seperti di EN 61558 atau BS 7671. Oleh sebab itu, Sistem Voltan Ekstra-Rendah adalah semua sistem elektrik yang boleh beroperasi pada voltan rendah dengan kriteria voltan seperti di atas. Kursus sistem ELV yang tersusun memberikan penyelesaian infrastruktur rangkaian yang inovatif untuk pengalaman pekerjaan anda. Kursus ini merangkumi pengetahuan pemasangan kabel suara dan data asas, bagaimana membina dan mentadbir asas fizikal infrastruktur rangkaian dan pemahaman yang lebih mendalam mengenai peranti rangkaian yang saling berkaitan lapisan ini. Dalam kursus ini, kami akan berkongsi lebih banyak maklumat mengenai pelbagai komponen sistem ELV. Melalui program ini, peserta bukan sahaja berpeluang mendapatkan pengetahuan teori tetapi juga latihan amali.

OBJEKTIF KURSUS

- Dapatkan Pengetahuan Praktikal
- Ketahui Peraturan dan Keperluan Khusus sistem ELV
- Kembangkan dan Fahami Elemen Penting Sistem ELV
- Dapatkan pengetahuan reka bentuk dan pemilihan sistem
- Kesedaran untuk berkoordinasi dengan sistem lain.
- Menyediakan pekerja mahir yang mempunyai kemahiran yang kompeten dalam bidang juruteknik elektrik/elektronik dan mempunyai kebolehan pekerjaan dan diterima oleh industri.

KUMPULAN SASAR

- Kumpulan B40
- Siswazah baru (Fresh graduates)
- Siswazah Menganggur (Unemployed graduates)
- Pekerja yang diberhentikan (Retrenched Workers)
- Lulusan sekolah (School leavers)

COURSE DURATION

10 days (9am - 5pm)

Tea Breaks: 10:30am & 3:30pm | Lunch: 1:00pm-2:00pm

Note: Please contact our office for Training Date or visit our website for details (www.zohlgroupp.com)

KANDUNGAN KURSUS

Modul 1: Closed Circuit Television (CCTV)

- Video Surveillance Introduction.
- Types of CCTV System - IP and ANALOG
- Selection of Camera based on Application and Location
- Design Requirement and Regulations
- Field of View and Lense Calculation
- Recording Time and Capacity Calculation
- Sample Project Design

Modul 2: Fire Alarm System

- Fire Alarm System Introduction
- Types of Fire Alarm System
- Design Requirement and Regulations
- Selection of Fire Alarm System
- Selection of Detector and Alarm System
- Implementation of Connectivity and System Architecture
- Designing of Fire Alarm System

• Sample Project Design

Modul 3: Emergency Lighting System

- Emergency Lighting System Introduction
- Types of Emergency Lighting System
- Design Requirement and Regulations
- Locations of Placement and Basic Consideration
- Designing of Structured Cabling Systems
- Sample Project Design

Modul 4: Access Control System

- Introduction to Access Control System
- Different type of Access Control System
- Different Parts of Access Control System
- Regulation Related to Access Control System
- Selection and Design of Access Control System
- Integration with other Systems and Coordination
- Sample Project Design

Modul 5 - Public Addressing System and AV Solutions

- Introduction of Public Addressing System
- Different Parts of Public Addressing System
- Regulation for Public Addressing System
- Selection and Design of Public Addressing System
- Audio and Video Solutions to Building Projects
- Sample Project

Modul 6 - Structured Cabling System

- Structured Cabling System Introduction
- Types of Structured Cabling System
- Design Requirement and Regulations
- Selection of Structured cabling System
- System Components, Types and Field Arrangement
- Designing of Structured cabling System
- Sample Project Design

Modul 7 - LAN & Telephone System

- Introduction to Local Area Network (Cable & Wifi)
- Introduction to Telephone System in an Office Environment
- Design Consideration for LAN & Telephone System
- Cabling requirements for LAN & Telephone System
- Sample Project Design

Modul 8: Latihan Amali dan Peperiksaan

Question & Answer Session

Examination

- Ensure that you have filled up the basic details.
- This exam consists of 40 multiple-choice questions.
- Candidates need to score a minimum of 65% of the total marks (i.e. 26 out of 40) to pass this examination.
- The total duration of this examination is 90 minutes.
- Candidate should Tick against only one correct answer in Multiple Choice Questions.
- There is no negative marking system applicable to this examination.
- In case the participant does not score passing % then they will be granted a 2nd attempt at no additional cost. Re-examination can be taken up to 30 days from the date of the 1st exam attempt.

End of Program House-Keeping

- Program De-Briefing | Feedback Questionnaire
- Closing Ceremony

NOTE: The Above Training will be conducted both in English & Bahasa Malaysia

HASIL PEMBELAJARAN

- Peserta akan diberi pendedahan kepada teori dan pengetahuan asas mengenai sistem ELV.
- Peserta akan memahami aspek praktikal dan merancang kriteria pemilihan produk/sistem.
- Peserta akan pelajari reka bentuk praktikal secara hands-on.
- Peserta akan mendapat peluang untuk bekerja dalam sektor teknologi elektrik/elektronik dan mendapat pendedahan kepada potensi untuk memulakan perniagaan dalam sector teknologi elektrik/ elektronik.

Customized In-House Training Program is available in the following areas:

Accounting & Finance | Administrative Skills | Career Development | Human Resources | Personal Development | Sales & Marketing | Leadership & Management | Workplace Essentials | Digital & Social Media Marketing | Cust Svc | SCM | Entrepreneurship | Soft Skills | HSE | Engineering | Telecoms | ICT | ISO | PM | TQM

CALL US FOR DETAILS or VISIT OUR WEBSITE AT WWW.ZOHLGROUP.COM

Sebarang pertanyaan sila hubungi Cik Niesa

ZOHL Consultancy Sdn Bhd (332967-D) (SST ID: W10-1810-32000429)

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Bandar Sri Damansara, 52200 Kuala Lumpur

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AKTIVITI PEMBELAJARAN

Bengkel ini akan dibahagikan kepada 30% teori dan 70% praktikal

- Role Play – end-to-end simulation | Practical Exercise
- Case Studies (each participant will be required to submit a Project Paper based on the Case Studies. This will be a requirement for Competency Certificate)
- Learning Activities | Video Presentation
- Self-Evaluation Training | Quizzes
- Exam for Professional Certificate

PROSPEK KERJAYA

Pengetahuan dan kemahiran yang diperolehi oleh pelajar dari program ini akan membolehkan mereka menyertai pasaran kerja sebagai:

- Juruteknik penyelenggaraan | Pakar Rujuk
- Pembantu makmal elektronik
- Sokongan Teknikal untuk syarikat SI
- Vendor/pembekal sistem ELV

LOCATION

ONLINE or Mindset Discovery Center™@ZOHL, M2-6-08, Level 6, 8trium Tower 2, Jalan Cempaka SD 12/5, Bandar Sri Damansara, 52200 Kuala Lumpur or Client's Preferred Location or selected venue in the Region(s)

COURSE FEE

FULLY SPONSORED BY GOVERNMENT through PERKESO PENJANA KERJAYA 3.0 INITIATIVE

(Participants will get Course Material, Attendance Certificate, Professional Certificate, and Meals for Physical Classroom Training)

CERTIFICATE

Participants will be issued a Certificate of Attendance/Competency and joint Professional Certification with UiTM upon successful completion of this training program. Full attendance is a pre-requisite.

HRDF CLAIMABLE

NOT APPLICABLE

CERTIFICATION BODY

Universiti Teknologi MARA

REGISTRATION METHOD

1. **Online:** <https://zohlgroupp.com/mdc/perkeso-registration/> OR
2. Download this brochure at: <https://zohlgroupp.com/mdc/perkeso-brochure/> and fill up the required information. Then please fax to: 03.6279.0663
3. Or contact our office at: 03.6279.9276 / 013.398.1038

FACILITATOR

Sathy Vel Naidu - Sathy has more than 25 years of experience in the Mechanical and Electrical (M&E) industry. Over the span of his career he has gained significant knowledge in project management, electrical systems troubleshooting & maintenance, and systems design & engineering. In addition to managing projects he has also started sharing his knowledge through training services under ZOHL Technical Programs.



Education:

- ◇ Electrical Chergeman License
- ◇ Certificate in Westinghouse Electrical Systems
- ◇ Power Systems Auditor for Procter & Gamble
- ◇ Radiation Safety
- ◇ Training for Honeywell TDC 3000
- ◇ PSMB TTT Certificate

Experience:

- ◇ Electrical Technician for Hitachi Electronics Devices Singapore
- ◇ Testing & commissioning supervisor for Toyo Engineering
- ◇ Asst Engineer for FPG Oleochemicals Sdn Bhd
- ◇ Maintenance Manager FPG Oleochemicals sdn Bhd
- ◇ Engineering Director at Pakat Perkasa Sdn Bhd
- ◇ Lightning & Earthing Protection Systems Trainer for Celcom
- ◇ Electrical Trainer for Leighton Offshore
- ◇ Technical Trainer @ZOHL
- ◇ HRDF certified trainer

*Note: Trainer availability is subject to change

REGISTRATION FORM

Participant#1: _____

Position: _____

IC No: _____

Participant#2: _____

Position: _____

IC No: _____

Training Date: _____

Organization: _____

Address: _____

Contact Person: _____

Position: _____

Tel: _____

Fax: _____

Email: _____

PAYMENT

CASH: RM _____ OR

CHEQUE No: _____

Please fax your bank-in slip to 03.6279.0663 or scan your bank-in slip and email to training@zohlgroupp.com

*Please make your cheque payable to:

ZOHL Consultancy Sdn Bhd



Account No:
514392303373

Signature & Company Stamp

Note:

- Date & venue of seminar subject to changes
- Payment must be made 7 days before the training date
- Registration cancelled 7 days prior to the event is subject to RM100 service charge per participant
- No refunds for notice received less than 7 days prior to the event. A substitution may be made at any time at no extra charge.
- Program content may change subject to revision by our consultants from time to time.
- Full fee is required with your registration. 5% Group discount is available - min 3 pax.

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