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PAMAVTECH was formed in 2005 to offer competency training programs and continuous education that offers up-to-date skills and knowledge thru exposure to various current industry practices. PAMAVTech's vision is to nurture talent for the development of the country and of the world. Our mission is to be the catalyst of relevant competency-based education in keeping up with the challenges of the changing times thru continuous education.

PAMAV TRAINING INSTITUTE & TECHNOLOGY CENTER



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ELECTRICAL SYSTEM and ILLUMINATION

in cooperation with

BOMI International

September 8, 9, 10, 2010
November 24, 25, 26, 2010

ELECTRICAL SYSTEM AND ILLUMINATION

COURSE BACKGROUND

This is about understanding the electrical system & illumination in buildings & facilities. It addresses the fundamentals of electricity, electric circuits & protection, lighting systems, power distribution, motors and its maintenance, electrical system installation and electrical safety practices.

COURSE DESCRIPTION:

This updates described changes, advancement of technology and the latest developments in the field of electrical systems and illumination.

WHO SHOULD ATTEND?

- Electrical designers of commercial/high rise buildings and industrial infrastructures
- Electrical contractors
- Project engineers
- Project consultants
- Utility and maintenance engineers
- Electrical technicians & supervisors
- Illumination engineers

COURSE FEE:

PhP 20,000.00 inclusive of snacks, lunch, Certificate of Completion
A processing fee of USD 65.00 will be charged for testing fee for international certificate (optional)

COURSE OBJECTIVE:

To guide and inform the industry practitioners, fresh graduates and technicians of advances in technology.

BENEFITS:

- It will enhance the participant's knowledge on the terms, theories and application of recent technologies to the industry practice.
- The course will enhance the participant's skill in the industry practice of system illumination design and safety engineering protocols in the industry.

ELECTRICAL SYSTEM AND ILLUMINATION

COURSE OUTLINE

DAY 1

1. Explain the basic and fundamental theories on the importance and proper usage of electricity including safety protocols on electrical safety programs.

- Introduction to Electricity and Electrical Safety

2. Describe the construction and operation of several types of DC source of voltage electromotive force.

- Fundamentals of direct current circuits

3. Describe how AC Current is generated through electromagnetic induction

- Fundamentals of alternating current circuits

4. Distinguish between analog and digital meters

- Electric meters and the measurement of electricity

DAY 2

5. Describe the methods for generating electricity.

- Building power and distribution

6. Describe characteristics and uses of various types of fuses

- Circuit protection

7. Describe basic characteristics of light and light production

- Lightning and illumination

8. Explain how the PEC (Philippine Electrical Code) is produced and its application to local requirements

- Electrical system installation

DAY 3

9. Explain the principles of electrical motor operation and effects of those principle on performance

- Introduction to electric motors

10. Explain how to perform basic mechanical and electrical test or checks

- Electric motor maintenance

11. Describe the equipment when troubleshooting electric CKTS

- Troubleshooting electric cricuits

YOUR INSTRUCTORS

Engr. Rodolfo R. Penalosa, PEE, PECE, Apec Engr.

Engr. Penalosa is the Chairman and President of . He is also the President of WESTCO is a sister company of PAMAV specializing in providing electrical testing services and equipment. Engr. Penalosa is a visionary and leader of testing equipment and tools for the development and advancement of the Electrical Engineering Profession. He is a keynote speaker on Electrical Engineering Law, Substation testing and key areas in the Electrical Engineering field and has addressed various audiences both locally and the international scene. He led the Continuing Professional Education Council of the Professional Regulation Commission (PRC) as a Chairman for nine years. Currently, Engr. Penalosa is the Chairman of the Technical Panel for Engineering, Technology (TPET) of the Commission on Higher Education (CHED) and a member of the Construction Arbitration by The CIAC. His expertise contributed to being a Philippine Representative of CHED in Japan, Brunei and Pennsylvania covering the aspects of Electrical Professional Practice and Standards and APEC Competency Standards Development for Engineer Registry. Engr. Penalosa also holds Past President of Society of Philippine Electrical Contractors & Suppliers (SPECS, 1992), the Institute of Integrated Electrical Engineers of the Phils (IIEE, 1995), Past Chairman of Construction Manpower-Development Foundation, National Construction Productivity Development Plan, Department of Trade and Industry (DTI/JICA, 1994 to 1996), the President of Society of Philippine Accredited Consultants (SPAC, 2007-08) and a Past President of the Philippine Association of Board Examiners (PABE, 2001 & 2002). Engr. Penalosa has attended extensive trainings in Power System Maintenance by DOBLE in Finland, Boston and Singapore and holds a degree in Bachelor of Science in Electrical Engineering from FEATI Universtiy.

Engr. Ulysses B. Paguio, PEE

Engr. Paguio is a regular Training Consultant of PAMAV Training Institute & Technology Center. His expertise comes from years of experience as a Power Systems and Testing Engineer in the Middle East and the Philippines, servicing companies such as Siemens, ABB Industry, Inc., and Manila Electric Company, to name a few. He is also a Professor in the Electrical Engineering Department of the Mapua Institute of Technology in the Philippines. Engr. Paguio's expertise is on the different aspects of Power System Engineering and Testing. He graduated with the degree of Bachelor of Science in Electrical Engineering and is currently pursuing his Master of Science at the Technological University of the Philippines.

Engr. Virgilio Luzares, REE

Engr. Luzares' expertise comes from years of experience as a Faculty Member in the Electrical Engineering Department of Mapua Institute of Technology, a business owner, and a Sales Application Engineer of various companies including Honeywell and Unitech Engineering Corporation. He received the HONEYWELL Award for Excellence and Outstanding Performance from HONEYWELL Southeast Asia, Singapore. For 3 consecutive years (1987-1989), he was awarded for Top Department Sales Performance by UNITECH ENGINEERING CORPORATION. His special training includes Product Training on Detection & Monitoring System for Diesel and Gas Engine and Instruments and Sensors for Control, Automation, Monitoring, Recording and Measurements for Process Industries, Application Engineering and Maintenance / Training in the application, calibration, installation, operation and maintenance of Drexelbrook Engineering's process control instruments, HONEYWELL Industrial Control Products Training and Seminar-Workshop on Instrumentation & Control for Industrial Applications, to name a few.

REGISTRATION

ELECTRICAL SYSTEM AND ILLUMINATION

Please check the date:

- Date:** September 8, 9, 10, 2010
 November 24, 25, 26, 2010

Venue: PAMAVTECH, 7F Integrated Professional Office Building
14 Quezon Avenue Quezon City

Time: 8:00 am to 4:30 pm on each day

Please fill up and return to fax 740-7602 or admin@pamavtech.com.
Provide one form for each participant.

NAME (as you want to appear on certificate. Title, first name, middle initial, last name, suffix)	
DESIGNATION	
COMPANY NAME	
TELEPHONE	LOCAL NUMBER
CELLPHONE	
EMAIL ADDRESS	

Payment:

Reservations without payment do not confirm your slot. To confirm your reservation, please pay the course fee of Php 20,000.00 per person thru China Bank (Quezon Avenue branch) Account name PAMAV Training Institute & Technology Center, C/A#: 107-119555-8. Please attach the deposit slip with this form.