PUSAT PEMBANGUNAN USAHAWAN DAN KEMAHIRAN PERAK
PERAK ENTREPRENEUR AND SKILLS DEVELOPMENT CENTRE

MOTORS AND GENERATORS

OBJECTIVES

Motors and Generators developed over the years have had a major impact on our lives. Generators make the electricity that we use each day. Motors have enabled us to perform many jobs more effectively. Every effort is made to use training approaches to theory that can be observed and manipulated by the participant in this course. If a theory is presented, a practical hands-on exercise is used to illustrate the theory. Circuitry is kept simple so that questions are answered by meaningful test readings and observations.

WHO SHOULD ATTEND

1. Anyone with general technical knowledge.
2. Working in a technical environment.
3. Technicians, Supervisors and Engineers who wish to enhance their knowledge in the basics of motors and generators technology.

COURSE OUTLINE

DAY 1

1. Identify magnetic poles using a compass. Identify the visible field around a magnet using iron filings.
2. Recognize the characteristics of electromagnetism using hardware in the kit.
3. Explain why motors rotate using a simple motor assembly.

DAY 2

1. Explain how a permanent magnet motor is made and how it works using a simple motor assembly.
2. Explain how a series DC motor works using a simple motor assembly.
3. Explain how a compound motor works using a simple motor. Describe how electrical energy is made using a simple generator circuit.

DAY 3

1. Describe how a universal motor is made using a motor circuit.
2. Describe how an AC synchronous motor is made and works using a motor circuit.
3. Describe how a DC motor control changes DC current to control motor speed.

TRAINER

PESDC has a panel of professionally qualified, well-trained and industrially experienced technical trainers.

COURSE FEE

(STECH-07)

RM540.00 per pax (member)
RM660.00 per pax (non-member)
(Inclusive of course materials, lunch and refreshment)

Certificate of Achievement will be awarded upon successful completion of the course.

SBL claimable

COURSE DETAILS

Duration : 3 Days

Date :

Time : 9.00am to 5.00pm

Venue : PESDC Training Complex

For Further Enquiries, please contact:
Mr Thillai or Mr Jeremy Lai
PESDC Training Complex
Jalan Johan 2/2, Kaw. Perindustrian Pengkalan 2
31550 Pusing, Perak

Tel : 05 366 8869
Fax : 05 366 8870
Email : thillai@pesdc.edu.my or **jeremylyell@yahoo.com**
H/P : 019 542 3158 **016 5137368**