**UNIVERSITI KUALA LUMPUR**
MALAYSIAN SPANISH INSTITUTE

(The contents and other related details in this form is used for publication purpose only. Training module will be given to participants upon registration)

| **Course Title:** **Electric Vehicle Technology** | **Course Code :** | **EEA 183** |
|---|---|---|

**Course Background/Summary :**

This course is designed to teach participants about electric vehicle operations, components, construction, and safety. Consider that with the continuing and forecasted increases in the price of gasoline, the growth of EV is a given. This is because an electric vehicle can save you money. Understanding EV technology may position you for a job in a growth industry, or even help you convert your gas vehicle to an Electric Vehicle.

**Course Objectives:**

At the end of this training, the participants will be able to:

- Describe the electric vehicle operation, the major components and construction.
- Identify high voltage components and the dangers to staff they present.
- Explain how a EV battery works, the technology of EV battery and describe the principles battery management system (BMS

**Target Audience:**

- Industrial operators, Technicians, Engineers, Teaching staffs/instructors

| | |
|---|---|
| **Course Duration :** | Min:3 days, Max:5 days |
| **Course Contents :** | |

| **No** | **TOPICS** |
|---|---|
| 1 | EV fundamentals |

*UniKL MSI can also customize existing short courses and develop new courses to meet your personal training needs and requirements. The course duration serves as a guideline for your reference.*

*Please forward enquiries to Centre for Advancement & Continuing Education (ACE), University Kuala Lumpur (Malaysian Spanish Institute), Kulim Hi-Tech Park, 09000 Kulim, Kedah or via fax to:04-4032539 or email to* ***syazrah@unikl.edu.my*** *or call 04-4035199 / 200 (ext:112 / 185)*

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| | |
|---|---|
| 2 | Safety Requirements |
| 3 | Direct Current Electrical Theory |
| 4 | Alternating Current Electrical Theory |
| 5 | Conductors, Electrical Hardware, Computer Theory, Battery Storage Basics |
| 6 | Electrical Vehicle Fundamentals |
| 7 | BEV Battery Fundamentals |
| 8 | Energy Delivery Systems |
| 7 | Charging Levels And Storage Rates |

**COURSE STRUCTURE:**

| | |
|---|---|
| Practical : | 60% |
| Theory : | 40% |

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