



## **Certificate in Electric Vehicle Design**

This job oriented industrial training course equips engineers with skills needed to develop vehicles of the future. It widens their knowledge in planning and designing sustainable transport systems and electric mobility services. The programme focuses on computer assisted designing, engineering, automobile technologies and also looks at energy efficiency, renewable energy, and has a strong focus on innovation and sustainability issues. This is a design oriented course, and there is an emphasis on use of software for designing and analysis.

### **Programme Duration and Structure :**

This two weeks industrial training course includes projects, research, and practicum. Training focus on designing and product development. Candidates attending this course will have the option to join internship opportunity provided by the company. Internship will be available for a duration of one month to six months. First week of the programme will focus on computer assisted designing followed by electric vehicle projects and research in the second week. The total study load is 75 hours. Our priority is to increase the employability and competitiveness of students. Therefore optional internship opportunity (1-6 months) is provided after the course, which enables students to further enhance their skills through hands-on work integrated learning experience

### **Eligibility :**

Engineering Students and Fresh/Recent Graduates

Engineering Branches: Mechanical, Electrical, Automobile, and other related branches.

**Tuition fees :** The fees for the course is Rs 15,000 inclusive of all taxes.

**Training Content :**

Orientation and Introduction to CAD Software
<p>Sketching</p> <p>2D Sketching, Sketching tool and Entities</p>
<p>3D Part Modelling</p> <p>Basic Modelling, Boss &amp; Cut Features, Filletting, Patterns, Part editing</p> <p>Revolved Features, Mass properties, Material selection</p> <p>Hole Wizard, Annotations</p>
<p>Assembly of Different Parts</p> <p>Top-Down And Bottom up Assembly, Creating an Assembly</p> <p>Positioning of components, Mates, Advanced mates</p> <p>Material selection, Creation of Sub-Assemblies</p> <p>Creating Configurations</p>
<p>Making of 2-D drawings from 3-D parts</p> <p>Smart Dimensioning</p>
<p>Introduction to Simulations</p> <p>Assigning material property</p> <p>Meshing</p> <p>Various Analysis (Thermal, Static Structural etc...)</p>
<p>Introduction to GD&amp;T</p> <p>Maximum and Minimum material limits</p> <p>Datum controls</p> <p>Tolerances and Dimensioning</p>



**Training Location :** Alappuzha, Kerala

**Certification :**

Participants who successfully complete the course will be awarded training certificate by Velozeta Technologies Pvt Ltd. Additional work experience certificate will be given to candidates pursuing internship.

**Application Procedures :**

Applications are accepted only through online application form. Click the link below to apply online : <https://goo.gl/forms/fLkh6AYuBM7D4I4f2>