DIYguru Mobility Pvt. Ltd.
374, MG Road, Delhi - 110030
Ph: 011-42340578
E-Mail: support@diyguru.org

Position: E-Mobility Instructor – Mechanical

Location: Delhi (Onsite)

Salary Range: ₹5 LPA – ₹8 LPA

Department: Training & Academics

Organization: DIYguru

About DIYguru Mobility Pvt. Ltd.:
DIYguru is India's leading platform for upskilling professionals and students in the Electric Vehicle (EV) and future-mobility sectors. Our mission is to bridge the skill gap with hands-on, industry-relevant learning that prepares learners for tomorrow's workforce in EV, battery technology, and sustainable mobility.

Role Overview
We are looking for a **highly skilled Electric Vehicle Instructor / Faculty** with strong expertise in **automotive engineering, EV technologies, and simulation tools** to deliver industry-oriented training programs. The candidate will be responsible for **teaching, curriculum development, technical mentoring, and hands-on training** in electric vehicle technologies. This role requires a strong blend of **technical expertise, teaching ability, and industry understanding** to train the next generation of EV professionals.

The instructor will also support training operations, workshops, webinars, and academic initiatives across DIYguru's learning centers.

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1. Technical Training & Teaching

- Deliver **live technical training sessions** on Electric Vehicle technologies.
- Teach core EV subjects including:
    - EV Architecture & Powertrain
    - Battery Technology & Battery Management Systems (BMS)
    - Electric Motors & Motor Controllers
    - EV Charging Infrastructure
    - Hybrid & Electric Vehicle Systems
    - Vehicle Dynamics in EVs
- Conduct **hands-on workshops and practical lab sessions**.
- Train students on **engineering tools and simulation platforms**.

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2. Simulation & Engineering Tools Training

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Train students on industry-relevant tools such as:

- MATLAB / Simulink
- Vehicle Dynamics Simulation
- EV System Modeling
- Data Analysis Tools
- CAN Communication Basics

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3. Curriculum & Course Development

- Design and develop **EV training curriculum and certification programs**.
- Create **technical modules, presentations, assignments, and project frameworks**.
- Develop **simulation-based learning content**.
- Continuously update course content based on **industry trends and EV innovations**.

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4. Student Mentorship & Project Guidance

- Mentor students working on **EV design and simulation projects**.
- Guide **capstone projects related to EV powertrain, battery systems, and mobility solutions**.
- Conduct **technical doubt sessions and academic evaluations**.
- Support students in **career readiness and industry preparation**.

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5. Training Operations & Academic Activities

- Conduct **live classes on SolidWorks, ANSYS, Powertrain Systems, and EV Charging Technologies**.
- Organize and deliver **offline technical workshops and bootcamps**.
- Conduct **mock interviews and technical viva sessions**.
- Host **monthly technical webinars and knowledge-sharing sessions**.

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6. Technical Content & Knowledge Development

- Create **technical scripts, course materials, and research-based content**.
- Develop **educational YouTube videos and learning resources**.
- Support **research publications, whitepapers, and EV knowledge sharing initiatives**.

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7. Industry Collaboration & Technical Support

- Participate in **EV workshops, conferences, and industry events**.
- Support partnerships with **automotive OEMs, EV startups, and universities**.

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- Contribute to **B2B technical consulting projects**.
- Provide **technical advisory support for strategic initiatives**.

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8. Operational Responsibilities

- Support management and operations of **DIYguru training centers and COEs**.
- Assist in organizing **seminars, workshops, and training programs**.
- Collaborate with **sales and business development teams** to support student engagement and enrollment.

Technical Skills Required

EV Systems Knowledge

Candidates should have strong understanding of:

- Electric Vehicle Architecture
- Lithium-ion Battery Technology
- Battery Management Systems (BMS)
- Electric Motors & Motor Controllers
- EV Charging Technologies
- Hybrid Electric Vehicle Systems

Engineering & Simulation Tools

- MATLAB / Simulink
- Vehicle Dynamics Modeling
- Automotive Simulation Tools
- Data Analysis & System Modeling

Qualifications:

- **M.Tech in Mechanical Engineering** with **1–3 years of experience**, OR
- **B.Tech in Mechanical Engineering** with **3–5 years of experience in automotive / EV domain**, OR
- Candidates pursuing **Ph.D. in Automotive / Electrical / EV domain** from premier institutes.

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Preferred Candidate Profile

- Professionals with **EV industry experience or training expertise**.
- Individuals with **strong technical teaching ability and research orientation**.

Soft Skills

- Excellent communication and presentation skills
- Strong technical mentoring capability
- Curriculum development expertise
- Analytical and research-oriented thinking
- Team collaboration and leadership ability

Additional Advantages

- Experience in **EV course design and training programs**
- Published **research papers in EV or automotive technologies**
- Industry exposure with **OEMs or EV startups**
- Experience guiding **engineering competitions or student innovation projects**