



THE GT ACADEMY
Learn | Aspire | Inspire
A GreenTree Global Initiative

MGL
Microgrid Labs
More than renewable energy

Become an EVOPT Certified Professional

Fleet Electrification Planning Modelling & Simulation



Modeling, Simulation & Optimization using EVOPT developed with support from:



(Microgrids)

Build Knowledge & Skillset for the EV Revolution



Starting soon

Early Bird Price



Rs. ~~50,000~~ 35,000/-

USD ~~1000~~ 750/-



1 Month Certificate course
10+ Hours of Learning



Registration Link

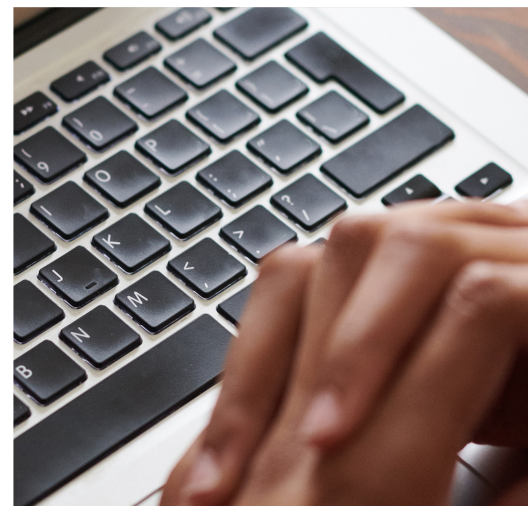


Click here to Register



Target Audiences

- Government Officials
- Fleet Companies, Owners & Managers
- Electric Vehicle OEMs
- EV Charger OEMs
- Transport Planners
- Depot Managers - Bus / Truck
- Logistic Professionals
- Electrical Engineers
- Energy Professionals
- Utilities
- Aspiring individuals for EV
- Students



Program Overview

This one-month course is uniquely designed by MicroGrid Labs Inc. (USA) and GT Academy to help you master electric fleet system planning & operations with the help of real examples & case studies. Learn from our experts in the US & the Indian market.

Session

01

EV BASICS

- Basics of Electric Vehicle and ICE Vehicle
- Electric Drive train
- Battery/Battery Management System
- Type of Chargers – AC/DC

Session

02

FLEET ELECTRIFICATION - BASICS

- Electric Fleet Ecosystem
- Planning challenges
- Planning Steps
- Importance of Charging Strategy
- Electric Fleet Charging management system
- Introduction to EVOPT

Session

03

FLEET ELECTRIFICATION PLANNING USING EVOPT

- Route energy modelling
- Battery sizing
- Charger sizing
- Load profile
- Financial Analysis

FLEET ELECTRIFICATION PLANNING USING EVOPT- PRACTICE SESSION

- Route energy Modelling
- Battery sizing
- Charger sizing
- Load profile generation
- Financial analysis

FLEET ELECTRIFICATION PLANNING - ADVANCED

- Dedicated Charger vs Charger Sharing
- Load Management - Managed/Controlled charging
- Depot/On-Route Charging
- Queuing Problems and Solutions

FLEET PLANNING – CHARGING AND ENERGY INFRASTRUCTURE

- Plugin DC Charger
- Pantograph DC Charger
- Depot / Hub space constraints
- Power distribution network - Radial distribution/Ring main architecture

CASE STUDIES AND MGL EXPERIENCE WITH REAL WORLD PROJECTS.

- Case Studies
- Emerging Topics
 - i. Introduction to V2X
 - ii. Resiliency
 - iii. Digital Twin of the electrical network

EVALUATION AND DISCUSSIONS.



PROGRAM Highlights

The best of its kind course on Electric Vehicle System Design for a Global audience.



Achieve Excellence in EV Fleet Modeling & Simulation.



Free EVOPT basic access for 6 months!



Avail Attractive financing options - No cost EMI!



Get Access to all the GT Academy courses at discounted price for 3 months!



Learn with Real Life applications and Case studies!

Know Your Trainers

**Director - GreenTree Global
Executive Council Member - GT Academy**



Anurag Bajpai

- 13 + years of experience in Energy Efficiency Implementation.
- Certified Measurement & Verification professional (CMVP) by AEE, a certified GRIHA Evaluator, IGBC AP, and an ECBC Expert empaneled with BEE.
- Board member of International Building Performance and Simulation Association (IBPSA India) and a member of the core committee of ECBC, GRIHA, IGBC & SEEM India.

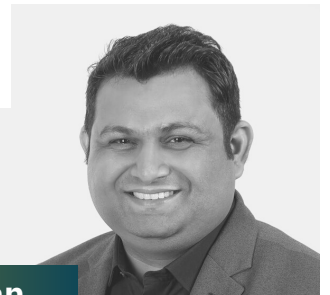


**Director - GreenTree Global
Executive Council Member - GT Academy**

Dhruv Jain

- 11+ years of experience in the engineering industry.
- Extensive experience in the corporate sector in India and Europe working across roles in Engineering, Sales, Strategy, Finance and Project Management.
- Worked with Renewable Energy and Energy Efficiency Partnership (REEEP), Vienna, Siemens VAI GmbH in Linz, Austria, Siemens India & Induja Group India.

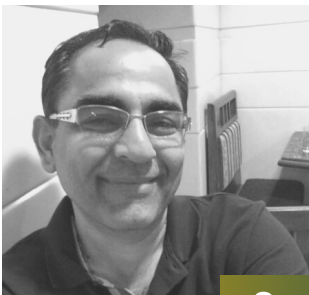
Know Your Trainers



Country Lead - Microgrid Labs India
Area of Expertise - Transition Planning for Fleet Electrification

Lalit Chauhan

- 2+ years' experience planning and design of EV Charging Infrastructure.
- 9+ years of experience in Power System, Energy Management and Industrial Automation.
- Extensive experience in Business Development, Sales and Project Management of engineered solutions.



E - Mobility Consultant
Area of Expertise - Transition Planning for Fleet Electrification

Sanjay Bhatia

- 35 years of experience in the Automotive sector including Electric Vehicles & Hydrogen Fuel based vehicles.
- Extensive experience in the Supplier development, Process and Manufacturing engineering and planning services at Tata Motors.
- Experience in dealing with State Transport Undertakings through tendering process & winning bids for more than INR 2000 Cr for Electric buses under GCC which are in operations at the moment in Mumbai, Lucknow, Indore, Kolkata, Jammu and Kashmir and in Guwahati at Tata Motors

Know Your Trainers



Raveesh S.

E - Mobility Consultant

Area of Expertise - Charging Management System & BMS

- 12+ years of experience in Electrical industry. Worked with engineering companies like Larsen & Toubro and ABB India, his industry knowledge includes Project Engineering, Electrical Engineering, Electrical Panels (LT & HT), Power Distribution System, Project Management and Switchgears.
- Worked on esteemed projects with DMRC, the largest and busiest rapid transit system in India and NTPC, India's largest power generation company.

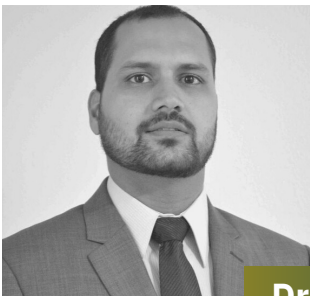


Founder and CEO - Microgrid Labs USA
Area of Expertise - Transition Planning for Fleet Electrification

Narayanan Sankar

- 3+ years' experience in transition planning of medium and heavy-duty vehicles and design of EV Charging Infrastructure.
- 5+ years of experience in Renewable Energy, Microgrid and Energy Storage.
- 25+ years in Power System, Energy Management and Industrial Automation.

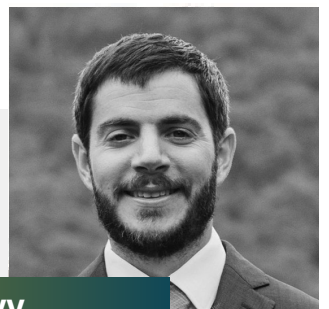
Know Your Trainers



Co-Founder - Microgrid Labs USA
Area of Expertise - Transition Planning for Fleet Electrification

Dr. Namit Singh

- 3+ years' experience in transition planning of medium and heavy-duty vehicles and design of EV Charging Infrastructure.
- 5+ years of experience in Renewable Energy, Microgrid and Energy Storage.



Product Manager - Microgrid Labs USA
Area of Expertise - Transition Planning for Fleet Electrification

Jonathan Levy

- 2+ years' experience in modelling and optimization of renewable energy systems, microgrids and e Mobility systems.
- 10+ years of experience in infrastructure systems for alternative fuel vehicles, designing hydrogen purification systems and manufacturing industrial and chemical processing equipment.

Know Your Trainers

Data Scientist - Microgrid Labs USA
Area of Expertise - Modelling, Simulation & Optimization



Dr. Arun Kumar

- 6+ years of experience in modelling and optimization of renewable energy systems, microgrids and e Mobility systems.
- 30+ years of experience in designing hardware, software, and algorithms.



Data Scientist - Microgrid Labs USA
Area of Expertise - Modelling, Simulation & Optimization

Andrew Thibeault

- 1+ years of experience in modelling of e-Mobility systems.
- 7+ years of experience in energy system modelling, simulation and grid modernization.



Contact us

✉ training@greentree.global

☎ +91 8104026897

🌐 <https://academy.greentree.global>

