



DRIIV & **CART**, Indian Institute of Technology Delhi (IIT Delhi)
present

Electric Vehicle Infra for All

PERKS Initiative

EVIA @ CART,

Indian Institute of Technology, Delhi

COURSE FOCUS

- Electrical Engineering with Renewable Backup for EV-INFRA
- Basics of Battery Charging & Power Electronics
- Power Converters in EV infra
- On-board and DC Fast Chargers

4 Days Crash Course on E-Vehicle Infrastructure

Starting from 2nd May, 2022 (5pm - 8pm) | Twelve hrs Course (3hrs/day) | Online Mode

 Special Offer

Flat **50%** Off

Course Fee

Starting from @

~~₹ 10,000/-~~

₹ **5,000/-** only

EVIA is designed for all
engineers as an entry-level
training program



for online registration, log on to,
www.driiv.co.in/ev-infra

for any enquiry  contact@driiv.co.in

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Office of the Principal Scientific Adviser
to the Government of India

Science & Technology Cluster



INTRODUCTION

With EVs (Scooters, E-Rickshaws, Cars, etc.) becoming more and more common in our society, a fundamental understanding of EV charging infrastructure and its selection for different sectors is essential for all engineers. This refresher course will provide an Electrical Engineering (EE) perspective of EV charging infra and its selection. The 4-day crash-course is designed to be an entry-level training program for all engineers (irrespective of engineering discipline).

DRIIV & **CART**, IIT Delhi present 4 Days Crash Course on “**E-Vehicle Infra for All**”

PROGRAM OBJECTIVES

The objectives of the course are to provide

- Foundation level knowledge of EV-Charging Infra and battery interface
- Block level understanding of EV charging infra and how it interacts with Power grid and EV batteries
- Basic factors that affect the selection of EV charging infra

PROGRAM CONTENTS

- EE-101 to understand EV-Charging Infra
- Battery Charging Basics
- Block level understanding of EV chargers
- Relevant Power Electronics Basics
- On-board Chargers and DC Fast Chargers
- Renewable Backup and selection criteria for EV Chargers

PREREQUISITES

Must have completed at least one Basic Electrical Engineering course in Under-graduation

PERKS Initiative

PROGRAM COORDINATORS

- Santanu K Mishra, Visiting Professor, CART, IITD
<http://home.iitk.ac.in/~santanum/>
- Bijaya K Panigrahi, Professor and Head, CART, IITD
<http://ctech.iitd.ac.in/bkpanigrahi.html>

WHO CAN ATTEND

- BTech or BE or above of any Engineering Stream (3rd year onwards)
- Practicing Engineers Working in EV Charging area
- Entrepreneurs who are trying to understand EV Charging Basics

MODE OF INSTRUCTION & SCHEDULE

ONLINE MODE: 4-days Crash Course
2nd to 5th May 2022 (Monday-Thursday)
5 PM to 8 PM (3 hrs/day)



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