

Course outline

How does an NPTEL online course work?

Module 1 - Overview of Electric Vehicles in India

Module 2 - Vehicle Dynamics

Module 2 and 3 - Vehicle Dynamics and EV Subsystems

Module 4 - Storage for EVs

Module 4 - Storage for EVs (contd)

● Lecture 27 - SoH and SoC estimation and Self Discharge - Part 1

● Lecture 28 - SoH and SoC estimation and Self Discharge - Part 2

● Lecture 29 - Battery Pack Development - Part 1

● Lecture 30 - Battery Pack Development - Part 2

● Lecture 31 - Computation of Effective cost of battery - Part 1

● Lecture 32 - Computation of Effective cost of battery - Part 2

● Lecture 33 - Charging Batteries

○ Quiz: Week 5: Assignment 1

○ Quiz: Week 5: Assignment 2

○ Quiz: Week 5: Assignment 3

○ **Quiz: Week 5: Assignment 4**

● Week 5 - Lecture notes

● Week 5 - Feedback form: Electric Vehicles and Renewable Energy

● Week 5: Solutions

Module 5 - Fundamentals of battery pack design

Module 5 and 6 - Battery Pack Design, Motors and Controllers

Module 6 - EV Motors and Controllers

Module 7&8 - Battery Charging and Swapping, Analytics

Module 9: Renewable Energy - Introduction

Module 10: Renewable Energy - Solar and Wind Energy

Module 11: Renewable Energy

Live Session

DOWNLOAD VIDEOS

○ Quiz: Week 5: Assignment 1

○ Quiz: Week 5: Assignment 2

Week 5: Assignment 4

The due date for submitting this assignment has passed.

Due on 2021-09-01, 23:59 IST.

As per our records you have not submitted this assignment.

State True or False

1) Terminal Voltage is a measure of SoC of battery while charging.

1 point

- True
 False

No, the answer is incorrect.

Score: 0

Accepted Answers:

False

2) Terminal Voltage is not a measure of SoC of battery while discharging.

1 point

- True
 False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

3) At 1C rate of charging in CCCV mode Li Ion Battery gets fully charged to 100% in 1 hour.

1 point

- True
 False

No, the answer is incorrect.

Score: 0

Accepted Answers:

False

4) Batteries are recommended to be charged faster to prolong their life.

1 point

- True
 False

No, the answer is incorrect.

Score: 0

Accepted Answers:

False

No, the answer is incorrect.

Score: 0