

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)

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 - Battery Charging and Swapping, Analytics

Module 9: Renewable Energy - Introduction

Module 10: Renewable Energy - Solar and Wind Energy

- Solar Photovoltaic
- Solar Cell and its Characteristics
- Solar Cells to Modules
- Wind Energy
- The War of Currents
- The birth of Solar - DC

 Quiz: Week 11: Assignment 1

 Quiz: Week 11: Assignment 2

 Quiz: Week 11: Assignment 3

 Quiz: Week 11: Assignment 4

 Week 11: Feedback form: Electric Vehicles and Renewable Energy

 Week 11: Lecture notes

 Week 11: Solutions

Module 11: Renewable Energy

Live Session

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Week 11: Assignment 1

The due date for submitting this assignment has passed.

Due on 2021-10-13, 23:59 IST.

As per our records you have not submitted this assignment.

 1) For maximum power to be generated, solar panels should always be placed at 90 degrees w.r.t the place of installation. 1 point

- True
 False

 No, the answer is incorrect.
 Score: 0

 Accepted Answers:
 False

 2) On an average most parts in India receive solar energy of 4-7 kWh per sqm per day. 1 point

- True
 False

 No, the answer is incorrect.
 Score: 0

 Accepted Answers:
 True

 3) Higher the efficiency of solar panels, higher will be the area of land used for installation. 1 point

- True
 False

 No, the answer is incorrect.
 Score: 0

 Accepted Answers:
 False

 4) One SUN equals ____ (W/m^2) 1 point

- 1000

 No, the answer is incorrect.
 Score: 0

 Accepted Answers:
 False

 4) One SUN equals ____ (W/m^2) 1 point

- 1000
 100
 10
 1

 No, the answer is incorrect.
 Score: 0

 Accepted Answers:
 1000

 5) Insolation is measured in ____ 1 point

- W/m^2
 W/m^3
 W/m^1
 None of these

 No, the answer is incorrect.
 Score: 0

 Accepted Answers:
 W/m^2