Mindluster Platform

About the course Electric Vehicle charging Infrastructure

Course Presenter : IIT Roorkee July 2018

This comprehensive online course in Electric Vehicle Charging Infrastructure offers an essential pathway for engineering professionals seeking to advance their expertise in sustainable transportation solutions. As the demand for electric vehicles accelerates across the Middle East, including Saudi Arabia and the UAE, developing specialized knowledge in EV charging infrastructure is vital for career growth and industry relevance. This training course is designed to provide you with the technical skills and industry insights needed to excel in the rapidly evolving energy and transportation sectors. Throughout this professional training course, you will learn to design, implement, and manage EV charging stations that meet global standards. The course covers critical aspects such as charging technologies, power systems, infrastructure planning, safety protocols, and integration with renewable energy sources. By completing this certified course, you will gain a solid foundation in engineering principles related to electric vehicle infrastructure, positioning you as a valuable asset in the green energy industry. This course is ideal for engineering professionals, project managers, energy consultants, and anyone interested in expanding their skills in sustainable transportation infrastructure. Whether you are working in the Middle East or globally, this training provides practical knowledge applicable across diverse markets and projects. Why choose this course on our platform? We offer expertly curated content developed by industry leaders, ensuring you receive up-to-date, relevant training. Our flexible online format allows you to learn at your own pace, making it easier to balance professional commitments while gaining a valuable certification. Our platform also provides access to a network of industry professionals, enhancing your career growth opportunities. Completing this course opens doors to numerous career opportunities in the growing EV sector, including roles in infrastructure design, project management, consulting, and renewable energy integration. As electric vehicles become increasingly prevalent, professionals with expertise in charging infrastructure are in high demand worldwide, especially in the Middle Eastâ€™s expanding energy markets. Upon successful completion, you will receive a Certified Course certificate, validating your skills and boosting your professional profile in the engineering and green energy industries. Invest in your future today by enrolling in this industry-relevant training course and take a significant step forward in your career development. IIT Roorkee July 2018

Engineering Category's Courses

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Lesson 5 : **Lecture 51 Safety Grid Issues II**

Lesson 6 : **Lecture 50 Safety Grid Issues I**

Lesson 7 : **Lecture 49 Urban planning of EV charging stations 2**

Lesson 8 : **Lecture 48 Urban planning of EV charging stations I**

Lesson 9 : **Lecture 47 Smart Grid 4**

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Lesson 13 : **Lecture 43 Effect of EV charging stations on Grid II**

Lesson 14 : **Lecture 42 Effect of EV charging stations on Grid II**

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Lesson 16 :
Lecture 36 Design of charging stations with sustainable energy sources and battery storage systems

Lesson 17 :
Lecture 37 Design of charging stations with sustainable energy sources and battery storage systems

Lesson 18 : **Lecture 38 Ancillary Services by EV Charging Stations â€“ Part 2**

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Lecture 40 Cost benefit analysis of renewable energy and BESS based Charging infrastructure

Lesson 21 : **Lecture 34 35 Basics of Control Systems State Space Methods IV**

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Lesson 34 : **Lecture 22 Battery Management System II**

Lesson 35 : **Lecture 21 Battery Management System I**

Lesson 36 : **Lecture 20 Wireless Power Transmission**

Lesson 37 : **Lecture 18 Modular Converter based Multiport chargers II**

Lesson 38 : **Lecture 17 Modular Converter based Multiport chargers I**

Lesson 39 : **Lecture 16 EV Charging Station Architecture**

Lesson 40 : **Lecture 15 AC DC converters III**

Lesson 41 : **Lecture 14 AC DC converters II**

Lesson 42 : **Lecture 13 AC DC converters I**

Lesson 43 : **Lecture 12 Power factor correction circuit II**

Lesson 44 : **Lecture 11 Power factor correction circuit I**

Lesson 45 : **Lecture 10 Dual Active Bridge converter IV**

Lesson 46 : **Lecture 09 Dual Active Bridge converter III**

Lesson 47 : **Lecture 08 Dual Active Bridge converter II**

Lesson 48 : **Lecture 07 Dual Active Bridge converter I**

Lesson 49 : **Lecture 06 Charging infrastructure DC DC Converters III**

Lesson 50 : **Lecture 05 Charging infrastructure DC DC Converters II**

Lesson 51 : **Lecture 04 Charging infrastructure DC DC Converters I**

Lesson 52 : **Lecture 03 Power train and its components Onboard Converters**

Lesson 53 : **Lecture 02 Power train and its components Power electronic devices**

Lesson 54 : **Lecture 01 Introduction to History of Electric Vehicles Types of EVs**

Lesson 55 :
Electric Vehicle Its Components Charging Infrastructure and Grid Integration Solution Promo Video

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