



Series of Webinars on

Fundamentals of Automotive Systems and Electric Vehicles

1-6 Oct 2021

6
Days

**Dont Let Your
Learning Stop**

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&

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**₹599
Per Head**

Certification by:

1. IRDO
2. ISNEE Motorsports Pvt Ltd
3. Garage 1 Utility Vehicles Pvt Ltd

Contact:

9410430424/25

Website: <https://isnee.in/irdo>

Organized by IRDO in association with ISNEE Motorsports
and Garage 1 Utility Vehicles Pvt Ltd

About the Webinar:

This webinar is organized by IRDO in association with ISNEE Motorsports Pvt Ltd and Garage 1 Utility Vehicles Pvt Ltd. IRDO is committed to doing its part by educating masses through various programs including webinars focusing on innovation in Motor Sports, E-mobility, Renewable Energy, and Digitalization to empower the youth and motivate them to strive to reach their full potential.

IRDO is regularly conducting a series of online sessions mentoring over 1000+ young graduates and professionals every month seeking entry into E-mobility and Digitalization space. These fully interactive sessions target skill development, research, and prototyping to nurture indigenous technology in line with the "MAKE IN INDIA" mission.

IRDO's commitment and involvement in conducting the online sessions bring in industry insights and provide much-needed guidance in fostering new ideas to contribute to sustainable technologies and career development for the participants.

MODE OF TRAINING	Online
Program Name	Fundamentals of Automotive Systems and Electric Vehicles
Registration Fee (Single)	₹599/- Per Head
Registration Fee (Group of 5+)	₹549/- Per Head
Fee Payment	Immediately After Registration
Duration of Internship	6 Days (12h)
Registration Starts	1 Sep 2021
Registration Ends	30 Sep 2021
Training Starts	1 Oct 2021

Course Content:

Day 1

1. Introduction to Automobiles
2. Introduction to Automotive Systems
 - a. Chassis & Body
 - b. Wheels & Tyres
 - c. Brakes
 - d. Suspension
 - e. Steering
 - f. Powertrain & Drivetrain
 - g. Electricals

h. Safety

3. Chassis and Body

Day 2

1. Wheel & Tyres
 - a. Tyre Architecture
 - b. Radial Tyre
 - c. Bias Tyre
 - d. Tyre Mechanics
 - e. Forces on Tyres
 - f. Tyre Nomenclature
2. Brakes

- a. Introduction
- b. Types of Automotive Brakes
- c. Types of Actuation Mechanism
- d. Fluid Flow in Brake System
- e. Physics of Brakes

Day 3

1. Disc Brake
 - a. Components of Disc Brake
 - b. Working of Disc Brake
2. Drum Brake
 - a. Components of Drum Brake
 - b. Working of Drum Brake
3. Power Brake
 - a. Components of Power Brake
 - b. Various type of Power Brake
 - c. Working of Power Brake

Day 4

1. Introduction to Suspension
2. Key Components of Suspension System
3. Types of Suspension Systems
4. Steering System
5. Key Components of Steering System
6. Types of Steering System

Day 5

1. Drivetrain and Powertrain
2. IC Engines
3. Engine Anatomy
4. SI Engine & CI Engine
5. Two Stroke Engine & Four Stroke Engine
6. Flow of Power from Engine to Drive Wheel
7. Clutch
8. Gear Ratio
9. Manual Transmission
10. Continuously Variable Transmission
11. Automatic Transmission
12. Differential
 - a. Open Differential
 - b. Limited Slip Differential
 - c. Locking Differential

Day 6

1. Introduction to Electric Vehicles
2. Key Components of Electric Vehicle
3. Types of Electric Vehicle
4. Motor
5. Controller
6. Battery
7. Vehicle Range
8. Battery Selection
9. Motor Selection
10. Hybrid Electric Vehicle

REGISTRATION LINK: <https://isnee.in/irdo/Registration/Webinar-Reg.aspx>

PAYMENT PROCEDURE:

Method 1: Transfer through NEFT/IMPS/UPI directly into the account. Deposit the calculated amount into below mentioned bank account:

Account Number : 1306002100003387
Account Name : ISNEE MOTORSPORTS PVT LTD
Account Type : Current Account
Branch : Punjab National Bank, Basta
IFSC Code : PUNB0130600

Upon successful transfer of the amount through NEFT/IMPS/UPI, whatsapp the payment proof/receipt on 9410430424. in and mention your name and registration id the mail.

Method 2: Transfer through online payment gateway (PayUmoney)

If you wish to deposit the fee through payment gateway using net BANKING/DEBIT CARD/CREDIT CARD/UPI, you can request for a payment link on WhatsApp (9410430424). Please note that additional charges of 2.46% would be applicable for the payment gateway convenience fees.

Benefits of Program

- Helps you to enhance and brush-up your technical skills.
- Encourages team work and leadership qualities.
- Helps you in selecting your area of interest and finding what excites you the most.
- Interaction with industrial experts helps you to clear your doubts.
- Offers you an opportunity to work with us.
- Offers you the direct opportunity to work with professionals on the live projects.
- This training program helps you to understand about step by step methods of fabrication, which will help you for building of your own vehicle while taking a part in any of design competitions.

Why Us?

- Global recognition of the certificate.
- Best Speakers from automobile industry.
- The abbreviation of IRDO is single line answer (ISNEE RESEARCH AND DEVELOPMENT ORGANISATION). IRDO is not just a training center. It is the platform where you realize your abilities.
- What are your immediate needs? What are your long-term goals? Do you want to gain experience in a certain field? Do you want to start making professional connections? Are you exploring whether or not you want to enter a certain line of work? If you want to know these answers, join us in this program.