



# केन्द्रीय माध्यमिक शिक्षा बोर्ड

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संगठन)

## CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organisation Under the Ministry of Education, Govt. of India)

CBSE/SE/JS/ASDC/2023

24 August 2023

### NOTIFICATION

#### National Automobile Olympiad 2023

Automotive industry plays a crucial role in our economy and demands a skilled workforce to meet its evolving requirements. With the aim to promote and nurture automotive skills among students across the country, the Automotive Skills Development Council has launched the '**National Automobile Olympiad 2023**'.

This Olympiad is free and open for all students studying in Classes VI – XII in schools located in India and will provide an excellent platform for students to showcase their knowledge, expertise, and problem-solving abilities in the field of automobiles.

By participating in the National Automobile Olympiad 2023, schools can offer their students a unique chance to engage in friendly competition, enhance their skills, and gain invaluable exposure to the automotive industry. This Olympiad incorporates various activities, including theoretical assessments, practical demonstrations, and problem-solving exercises, enabling students to apply their classroom knowledge to real-world scenarios. Additionally, students will have the opportunity to interact with industry experts, gain insights into emerging automotive technologies, and explore diverse career prospects.

- Last date for registration: 15<sup>th</sup> September 2023


- Scan the relevant QR code to register: →

- Link for participation: <https://www.asdc.org.in/nao2023/>



More details about National Automobile Olympiad 2023 are annexed.

The Principals of all CBSE affiliated schools are requested to encourage their students to participate in the Olympiad in large numbers to help empower the students with practical skills and knowledge in the automotive sector.

  
Dr. Biswajit Saha  
Director (Skill Education)

Encl: Brochure of the National Automobile Olympiad 2023 programme



'शिक्षा सदन', राऊज़ एवेन्यू, इंस्टीट्यूशनल एरिया, नई दिल्ली-110002  
'Shiksha Sadan', 17, Rouse Avenue, Institutional Area, New Delhi – 110002





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**Copy to the respective Heads of Directorates, Organizations and Institutions as indicated below with a request to disseminate the information to all the schools under their jurisdiction:**

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18, Institutional Area, Shaheed Jeet Singh Marg, Delhi - 110016
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida – 201309
3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi - 54
4. The Director of Public Instructions (Schools), Union Territory Secretariat, Sec. 9, Chandigarh – 160017
5. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim – 737101
6. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar – 791111
7. The Director of Education, Govt. of Andaman & Nicobar Islands, Port Blair – 744101
8. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sec. 3, Rohini
9. The Secretary, Sainik Schools Society, Room No.101, D-1 Wing, Sena Bhawan, New Delhi – 110001
10. The Additional Director General of Army Education, A–Wing, Sena Bhawan, DHQ, PO, New Delhi – 01
11. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt – 110010
12. The Secretary Eklavya Model Residential Schools (EMRS), Ministry of Tribal Affairs, Government of India
13. The Chairman, Odisha Adarsha Vidyalaya Sangathan, N-1/9, Near Doordarshan Kendra, PO Sainik School Nayapalli, Bhubaneswar, Odisha-751005
14. The Deputy Secretary to Chairperson, CBSE - for kind information of the Chairperson, CBSE
15. All the Heads of Department of the Board
16. All the Regional Directors/Regional Officers/Head-COEs, CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions for compliance
17. Head (Media & Public Relations), CBSE
18. Joint Secretary (IT), CBSE, Rouse Avenue with the request to upload this notification on the CBSE Academic website

**Director (Skill Education)**



'शिक्षा सदन', राऊज़ एवेन्यू, इंस्टीट्यूशनल एरिया, नई दिल्ली-110002  
'Shiksha Sadan', 17, Rouse Avenue, Institutional Area, New Delhi – 110002





# National Automobile Olympiad 2023

*Learn, Explore & Compete!*



In the 21<sup>st</sup> century, it is imperative that industry and academia collaborate to ensure that students are prepared for the challenges of the future in the automotive Industry.

In collaboration with





”

"The **automobile industry** is one of the key drivers of economic growth in India. It has the potential to create jobs at every level, from manufacturing to services. The **government is committed** to providing the necessary support to the industry to ensure that it continues to grow and thrive, and to help make India a **global manufacturing hub** for automobiles."

Shri. Narendra Modi

Honourable Prime Minister of India

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Olympiad is supported by



Scan the relevant  
QR Code to REGISTER:

Schools



Students



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The **automobile industry** has always been a driving force behind global innovation, and it will continue to be a leader in **shaping the future.**



William Clay Ford Jr.  
Executive Chairman, Ford Motor Company

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# CEO's Desk

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Arindam Lahiri

Chief Executive Officer

Automotive Skills Development Council

In addition to academic excellence, students must develop 21st century skills that will enable them to improve physical, creative, and emotional areas of their lives and thrive in this competitive world. Starting skill development in schools at a young age can have a long-term positive impact on the general fabric of the country's workforce.

The automobile industry is fast transitioning into robotics and electric vehicles, with the electric vehicles industry predicted to generate massive employment and the overall automotive industry expected to become the largest in the next few years. Students from a variety of disciplines, including design, engineering, liberal arts, environment studies, and law, would be able to take use of these opportunities.

As the Automotive Skills Development Council, we have been at the forefront of several initiatives to upskill and competitively position the automotive industry. We believe that implementing interventions in schools will significantly contribute to the expansion of business and the empowerment of young people.

It is with this intent, I am pleased to introduce "ASDC National Automobile Olympiad", an industry driven initiative to assist students to learn, and explore the automobile industry, and showcase their talents !

//

Safety  
Sustainability  
Smart Mobility

are the 3 newS of the  
Automobile Industry.



# About ASDC

The Automotive Skills Development Council is the first dedicated sector skills council, the government of India for the Automobile industry. ASDC has been granted recognition as an awarding body by NCVET. It provides prospects and a platform to all young generations who wish to work in the automotive sector by skilling them through a variety of skill development programs in association with industry training partners across the country.

Promoted by

**SIAM**

Society of Indian Automobile Manufacturers



One Nation | One Association

**ACMA**

Automotive Component Manufacturers Association of India

Supported By



सत्यमेव जयते

**GOVERNMENT OF INDIA**

Ministry of Skill Development & Entrepreneurship



सत्यमेव जयते

**GOVERNMENT OF INDIA**

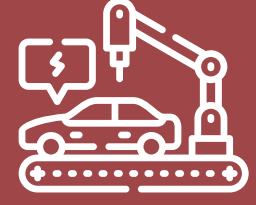
Ministry of Road Transport & Highways



सत्यमेव जयते

**GOVERNMENT OF INDIA**

Ministry of Heavy Industry



# Industry Landscape

In 2022, the Indian automotive industry surpassed Japan to become the third-largest country in the world by valuation. The automotive industry in India is undergoing a transformation because of its sustained growth and profitability. The industry currently accounts for 7.5% of GDP and 49% of manufacturing output, generating 36 million direct or indirect employment. Based on the Automotive Mission Plan 2019-2026, the sector is expected to employ 65 million people by 2026.

The industry will continue to remain buoyant and a significant contributor to the nation's growth.

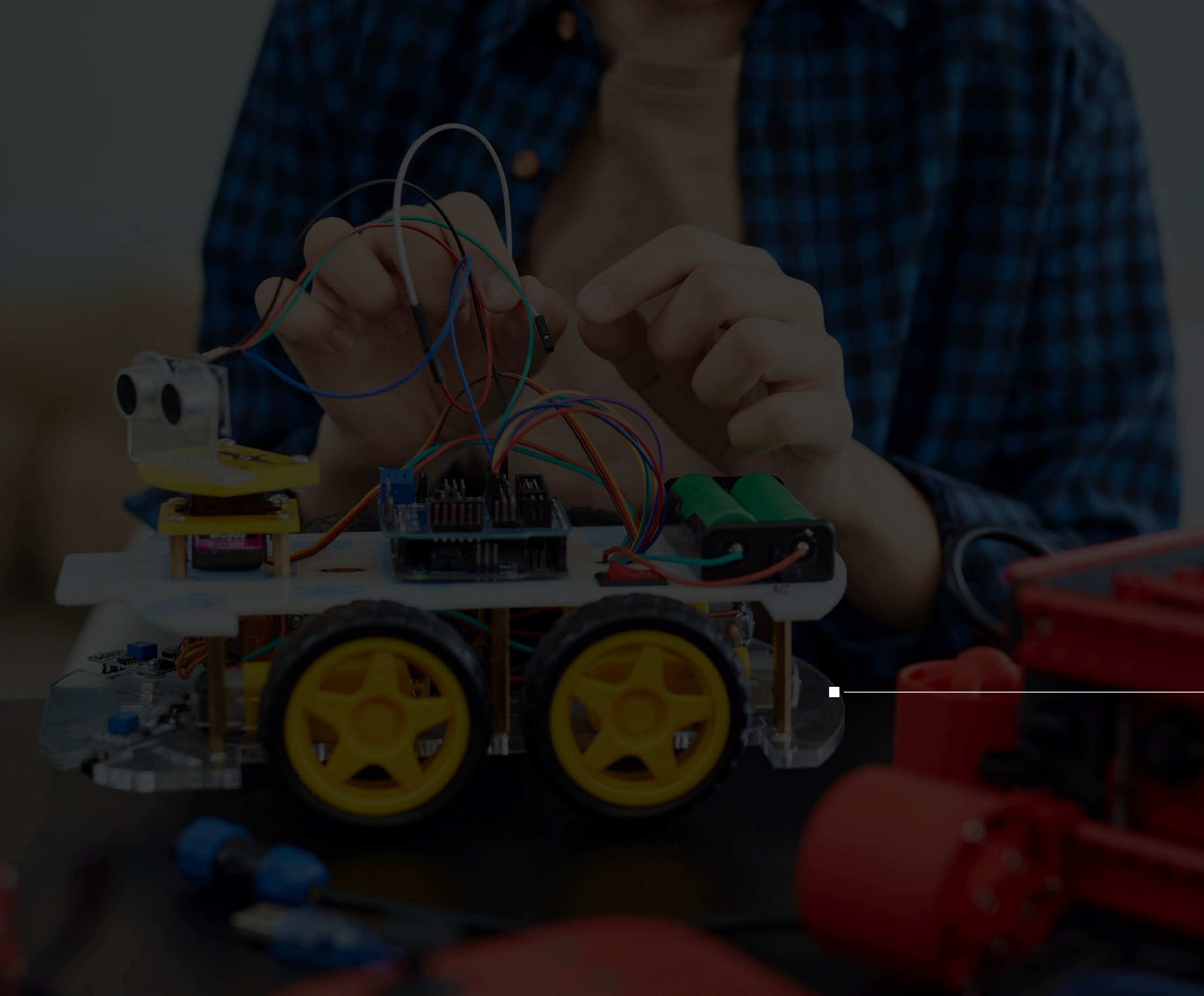
India is the  
**3<sup>rd</sup>** largest  
automobile market in  
the world, with an  
annual production of  
over **4.25 million**  
vehicles.

By 2025,  
it is estimated that  
**30% of all cars**  
sold will be electric.

India is expected to  
generate the employment  
of **65 Million** people  
by **2026**

The Indian  
automobile industry  
contributes around  
**7.5%** to the  
country's GDP and  
employs more than 36  
million people directly  
and indirectly.



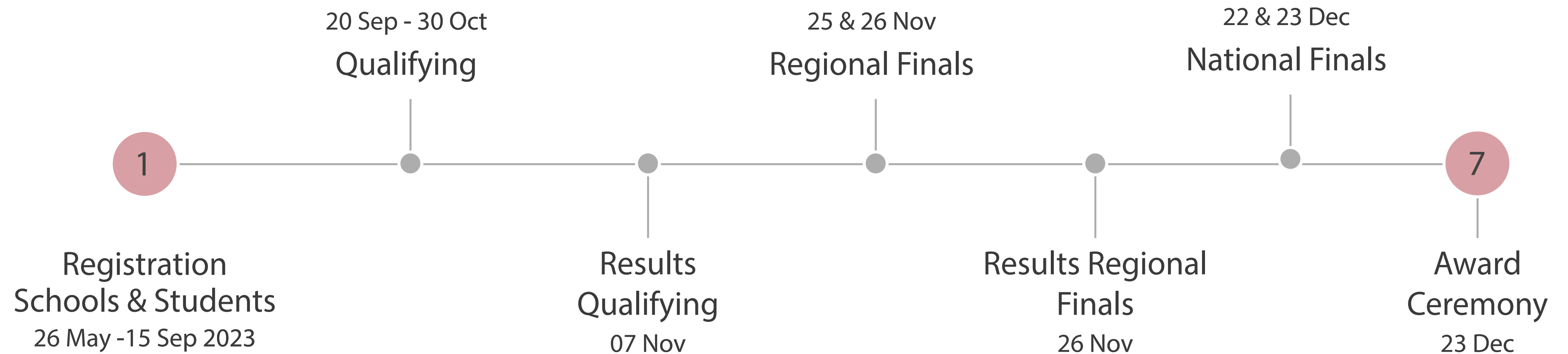


## THE OLYMPIAD

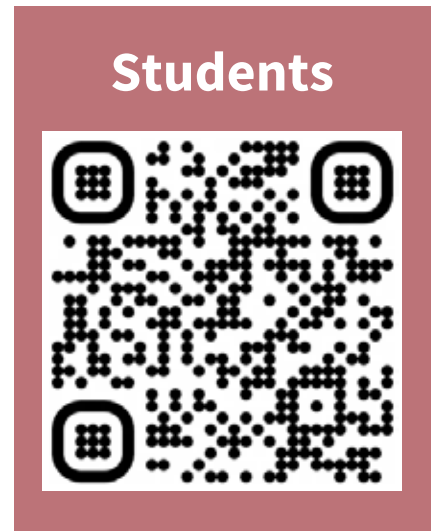
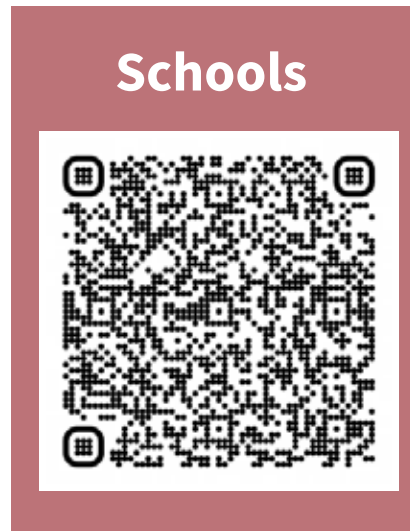
The Olympiad is a platform for students to showcase their skills, creativity, and innovation in a competitive environment, which can help them develop important skills like problem-solving, critical thinking, and teamwork.



# Important Dates



Scan the relevant  
QR Code to REGISTER:



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Innovation and customer focus are  
the **key drivers** of success in the dynamic  
world of automobiles.

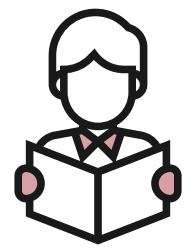


Ratan Tata  
Chairman, TATA Group

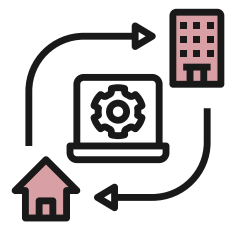
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# Eligibility Criteria



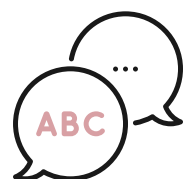
The competition is open for students of class 6 - 12 across all education boards.



The competition will be hybrid where the first 2 stages will be conducted online and the finals will be conducted in Delhi. Participating students should be willing to travel for the finals.



There is no age restriction for the students in the above classes.

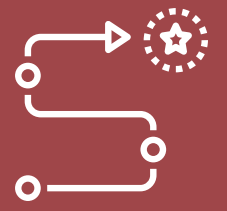


The medium of instructions will be in English & Hindi.



"In the automobile industry, you have the opportunity to work on cutting-edge technology that will change the world, and that's incredibly exciting."





# Stages



**Qualifying  
State/City Level**  
*Online Test  
(MCQ Format)*

*Top students from  
qualification will  
move to their  
respective  
regional finals*

**Regional Finals**  
Online Live Quiz

North India

East India

West India

South India

Overseas

*Top students from  
each region will be  
given a chance to  
participate in Finals*



**National Finals**  
*Hands-on workshop  
In-person at Delhi/NCR*

The venue for the national finals will be communicated in due course.



# Benefits

## Schools



Showcase your school amongst 1000+ schools from PAN India.



Learning opportunities for your teachers through FDP & certifications.



Provide your students with opportunities to learn and compete.

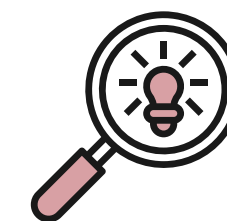


Get acknowledged for developing 21st century skills in your schools.

## Students



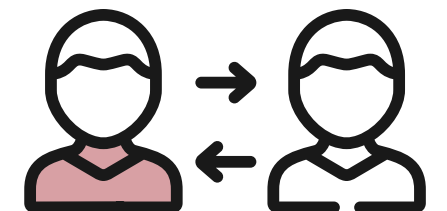
Participate in a national level competition.



Explore & learn about career opportunities in the automobile industry.



Attractive prizes and rewards.



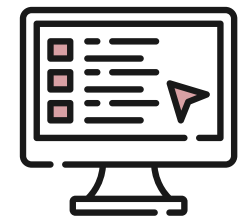
Interact with the finest professionals from the industry.



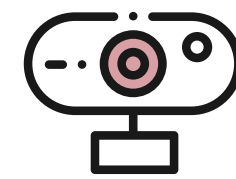
# Infrastructure & Fee

The event cost is entirely borne by the organizers and no participation fee is being charged to avail free registration.

Infrastructure required for students appearing for the online test/ quiz are,



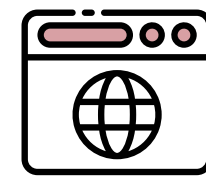
A computing device  
( PC, Laptop, Tablet/Phone)



Web Camera



Stable Internet Connection  
(WIFI, Mobile Data)



Internet Browser  
(Chrome, Safari, Firefox)

Schools



Students



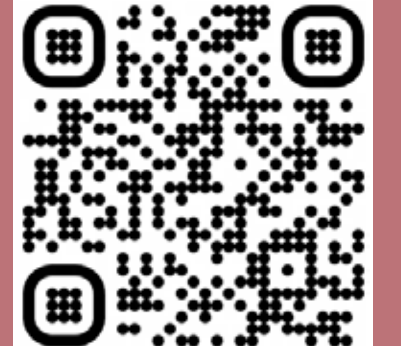
Scan the relevant  
**QR Code** to REGISTER:

Scan the relevant  
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Schools



Students



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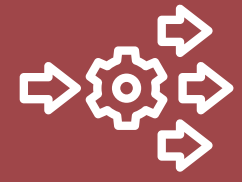
The future of mobility lies in  
**sustainable technologies** and creating value  
for customers.



Pawan Munjal  
Chairman & CEO, Hero MotoCorp

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# Registration Process

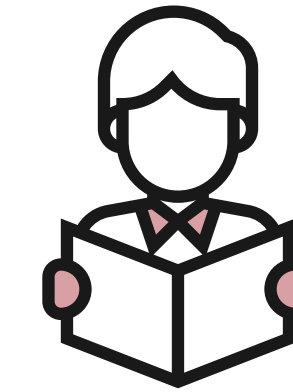


Registration  
Process via  
Schools

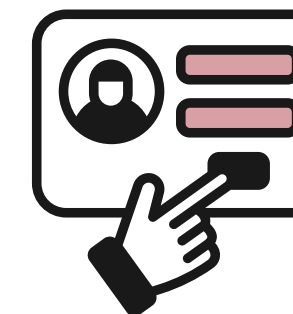


School Registration

Schools to complete the online institutional registration form.

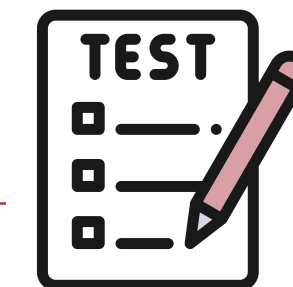


Registration  
Process for  
Students



Student Registration

Students to complete self-registration on the Olympiad web page.



Test Link

All registered students will get the link 24 hours before the test.



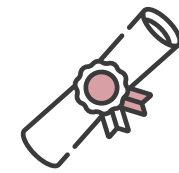


# Rewards & Recognition

## Students



Cash Prizes



Certificates



Trophy



## International Study Tour

(Fully Funded by Organiser)



\*Proposed, details to be worked out

Scan the relevant  
QR Code to REGISTER:

Schools



Students



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Embracing disruption and leveraging technology  
are crucial in **shaping the future** of  
the automotive industry.



Rajiv Bajaj  
Managing Director, Bajaj Auto

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# Rewards & Recognition

## Schools



All schools will receive a certificate of participation.



Winning schools will receive a trophy.

## School - Coordinator



Letter of Appreciation.



Gift Hamper





# Testimonials

"Our students greatly benefitted from taking part in the National Automobile Olympiad as it provided them with an excellent platform to enhance their creativity and problem-solving skills in the automotive industry. The competition was both challenging and rewarding, allowing them to learn from industry professionals and exhibit their talents. We are eagerly looking forward to participating again this year and witnessing our students' potential."

**Tanushree Sen**

Head Mistress

*Delhi Public School, Greater Noida*

"The National Automobile Olympiad is an excellent platform for students to explore their passion for the automotive industry. It helps them develop practical skills, problem-solving abilities, and teamwork spirit. Our students thoroughly enjoyed the competition and gained a lot from it. We highly recommend it to other schools."

**Vikas Jain**

Educator

*Ambuja Vidya Niketan, Upparwahi*

"We participated in the National Automobile Olympiad last year and it was an incredible experience for both our students and staff. The competition challenged our students to apply their theoretical knowledge in a practical setting and develop problem-solving skills. The event provided a platform for our students to showcase their talents and skills. It was great to see our students engage with industry professionals and gain insights into the automotive industry."

**Dr. Piyush Chadarava**

Educator

*Galaxy School - Wadi*



# Test Syllabus

15%

## Overview of Automotive Industry

- History of Automobile
- Automobile Industry
- Automotive Market Trend
- Learning License
- Motor Vehicle Act

20%

## Introduction to Automobile Technology

- Automobiles & Basic Science
- Chassis
- Body
- Engine Transmission
- Suspension & Steering
- Breaking
- Wheels & Tyre
- Automotive Electrical System
- Comfort & Convenience
- Automotive Safety
- Advance Automotive Technology

20%

## Introduction to Automobile Manufacturing

- Industrial Revolution & its types
- Fundamental of Electrical & Electronics
- Simple Machines
- General Safety
- Handling of Tools
- Safety Devices
- Traditional Manufacturing
- NC & CNC Machining process
- Manufacturing Process

20%

## Introduction to Automobile (Sales)

- Case Study
- OEM and Dealership
- What is Customer?
- Who is a sales Professional?
- Vehicle Sales Process
- Finance
- Insurance
- Career Opportunities
- Fundamental of Trading

25%

## Life Skills

- Health & Safety
- Green Mobility
- Vehicle Tools & Equipmenmt
- Customer Service
- Soft Skills

Scan the QR Code for detailed SYLLABUS:



Scan the relevant  
QR Code to REGISTER:

Schools



Students



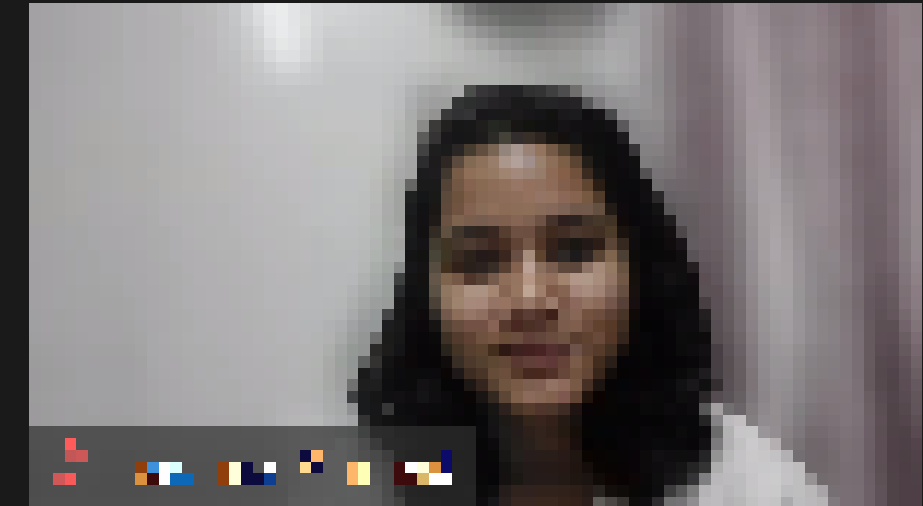
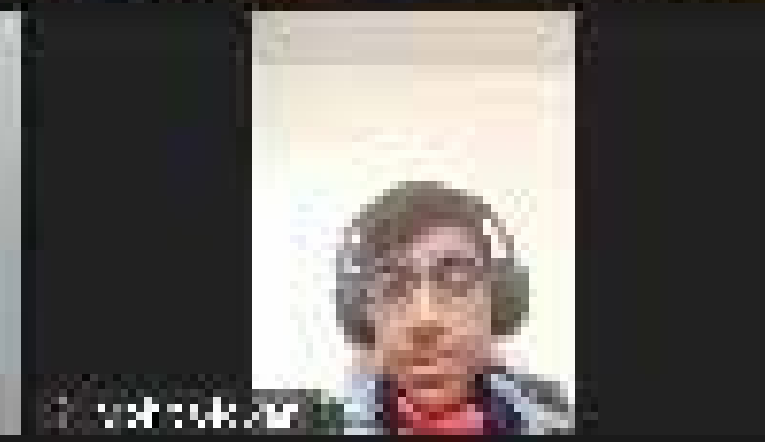
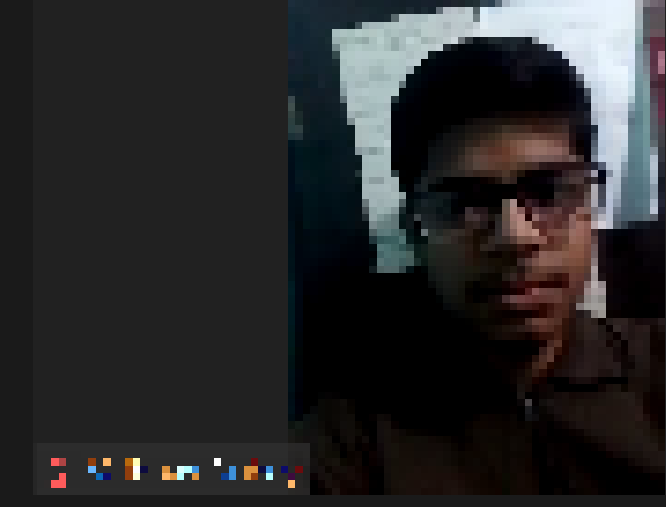
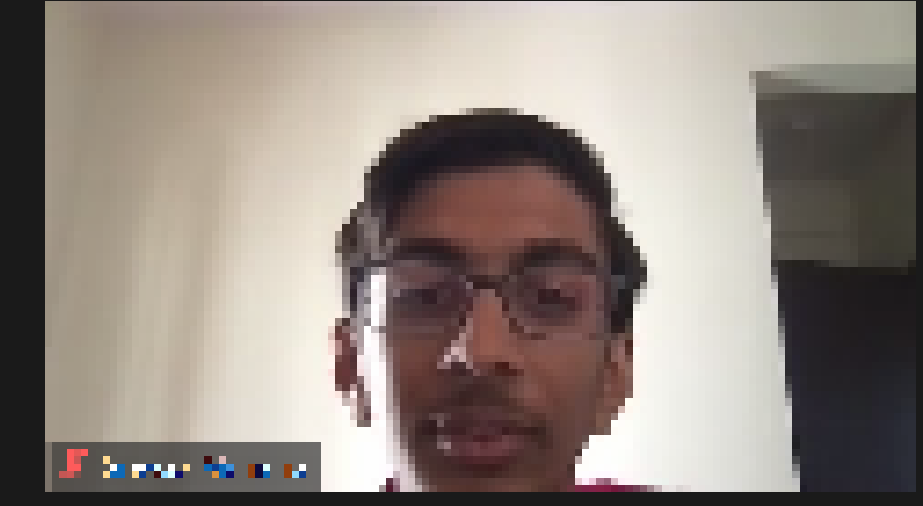
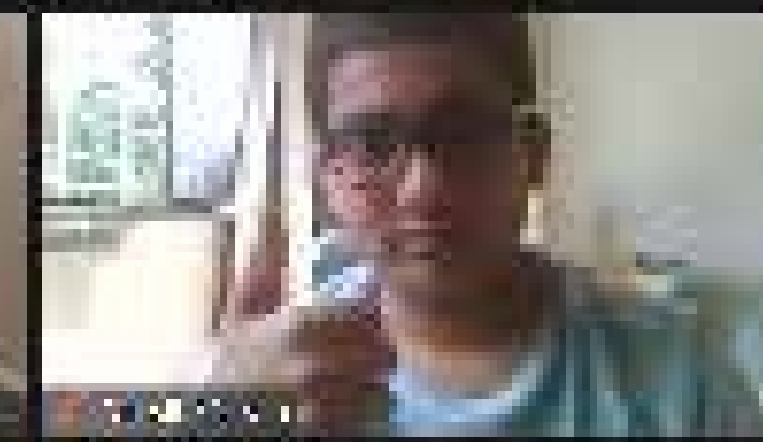
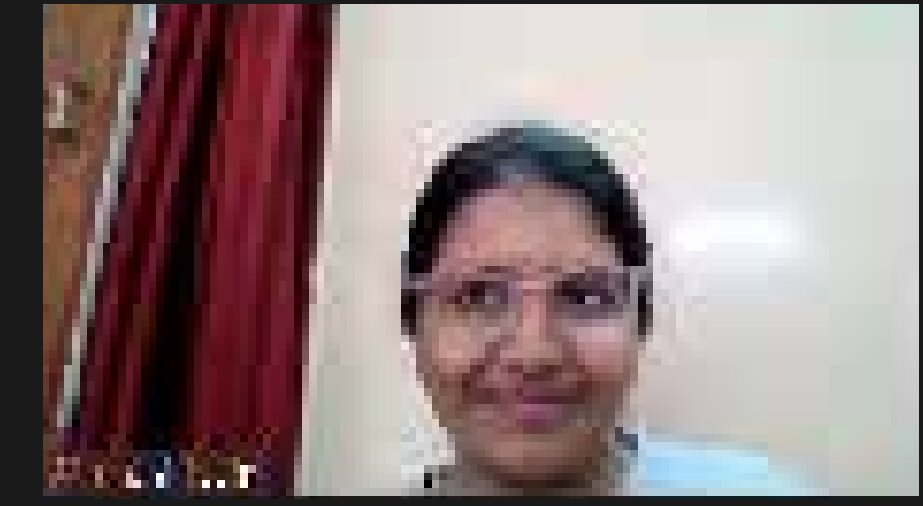
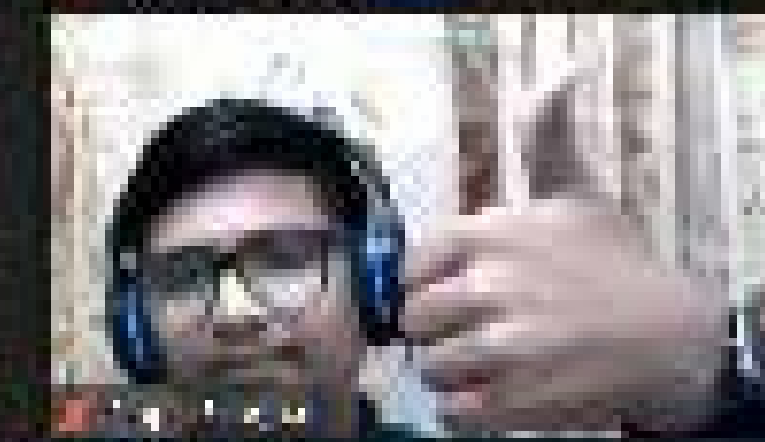
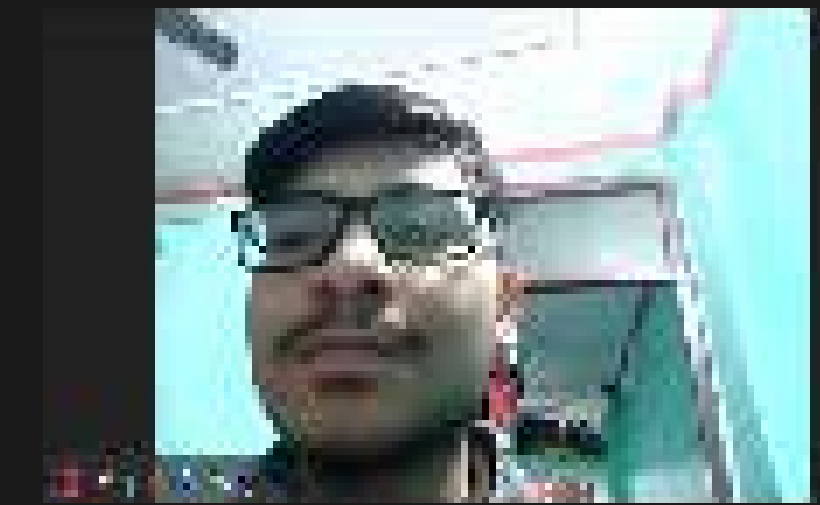
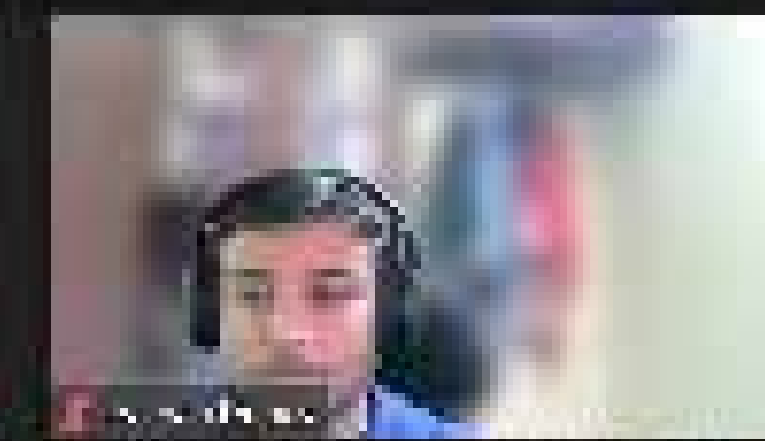
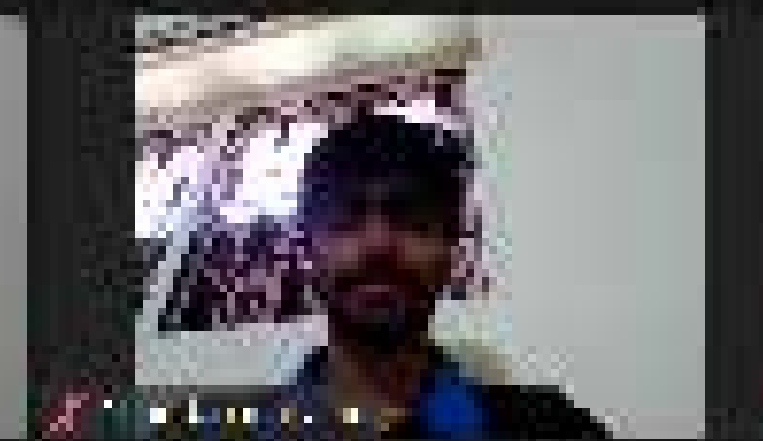
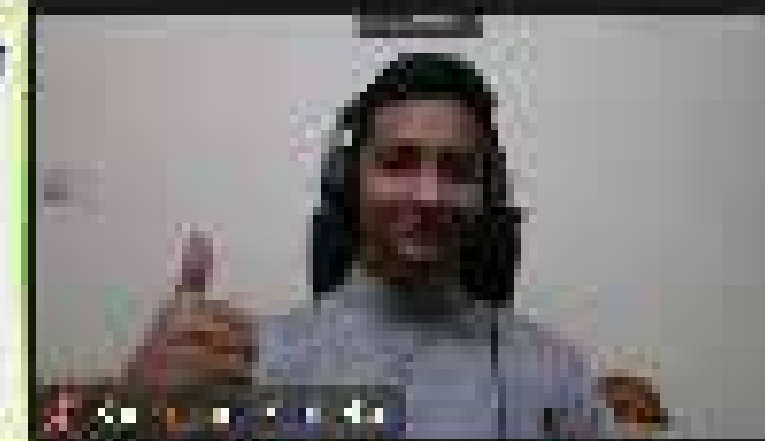
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EV wave **encourages** more women to take charge  
in the automotive industry.



Suman Mishra  
CEO, Mahindra Electric

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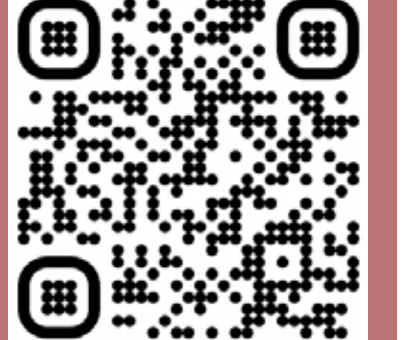


Scan the relevant  
QR Code to REGISTER:

Schools



Students



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The automobile industry is a **dynamic and exciting** field that provides individuals with limitless potential for **personal and professional growth.**



Mary Barra  
Chairman & CEO, General Motors

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E-113, Okhla Industrial Estate  
Phase- III, New Delhi-110 020



[www.asdc.org.in](http://www.asdc.org.in)



+91-85880-13322



[arun@npoca.com](mailto:arun@npoca.com)



<https://www.npoca.com>

# National Automobile Olympiad 2023

*Register Now*