



National Automobile Olympiad 2023

Learn, Explore & Compete!



In the 21st 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





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"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

Olympiad is supported by



Scan the relevant
QP Code to REGISTER:

Schools



Students



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

CEO's Desk



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 !

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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

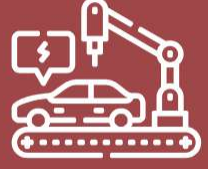
Ministry of Road Transport & Highways



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.

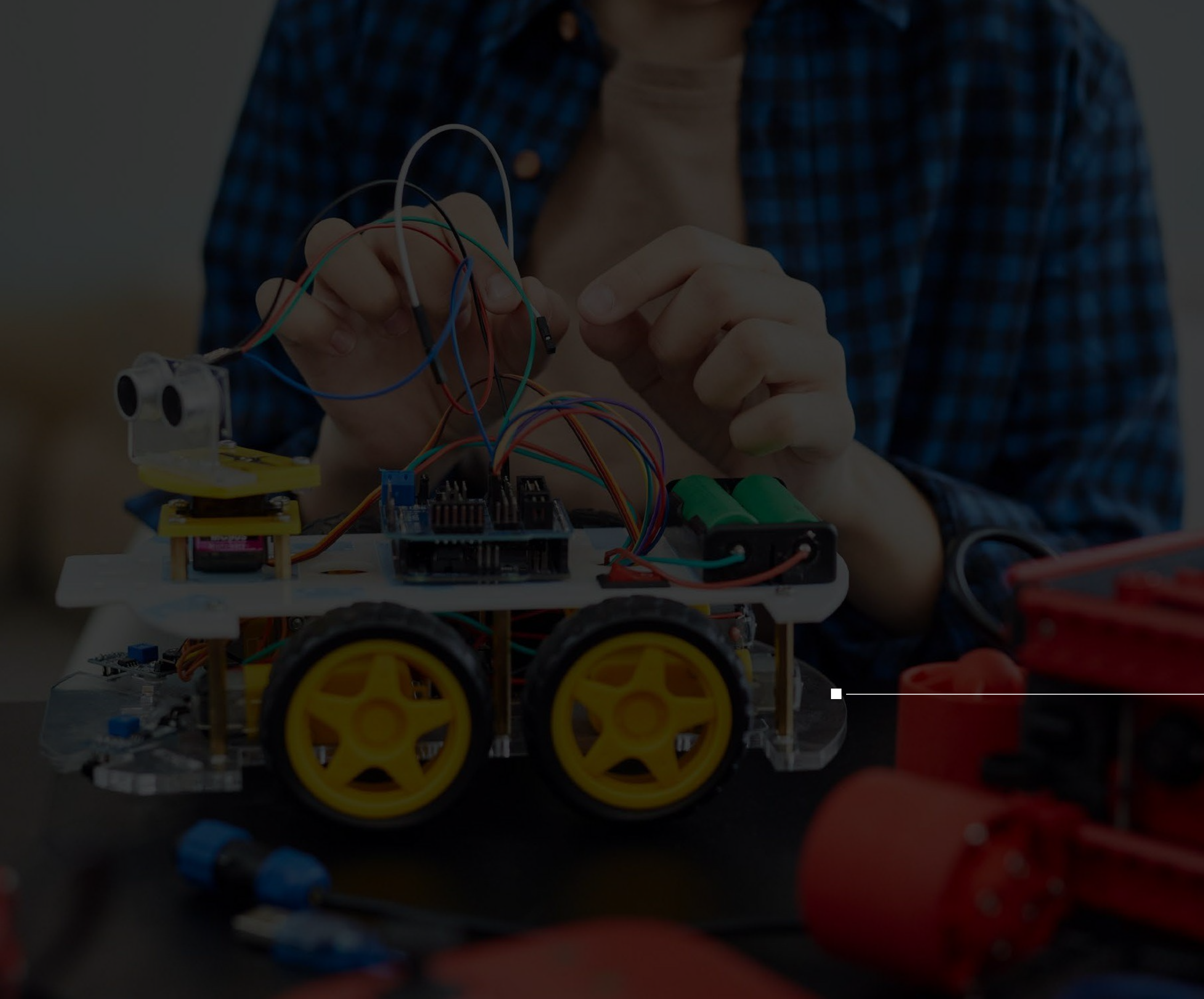
The industry will continue to remain buoyant and a significant contributor to the nation's growth.

India is the
3rd 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.

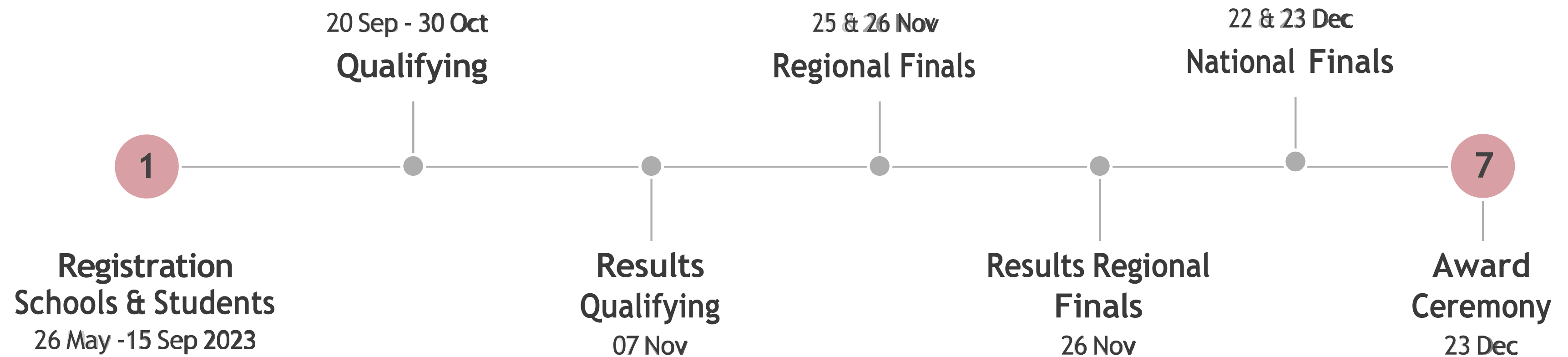


THE OLYMPIAD

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
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Schools



Students



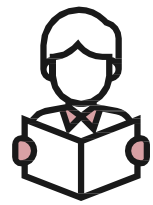
Innovation and customer focus are
the **key drivers** of success in the dynamic
world of automobiles.



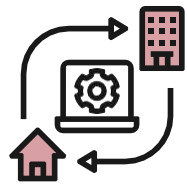
Ratan Tata
Chairman, TATA Group



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.



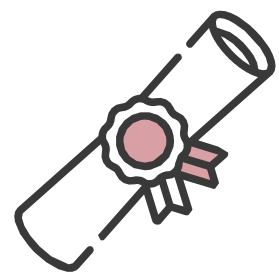
The medium of instructions will be in English & Hindi.



"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



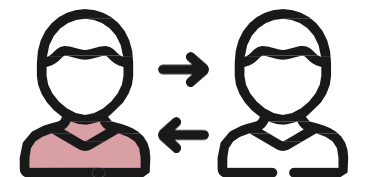
Participate in a national level competition.



Explore & learn about career opportunities in the automobile industry.



Attractive prizes and rewards.



Interact with the finest professionals from the industry.



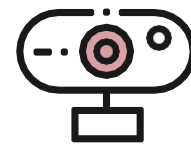
Infrastructure & Fee

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)



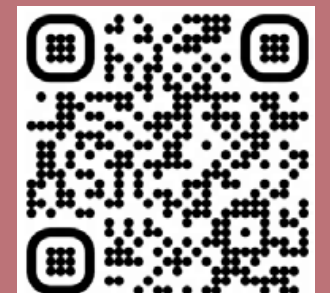
Internet Browser
(Chrome, Safari, Firefox)

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Students



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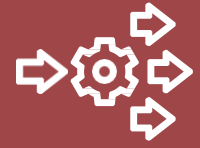
Students



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



Pawan Munjal
Chairman & CEO, Hero MotoCorp



Registration Process

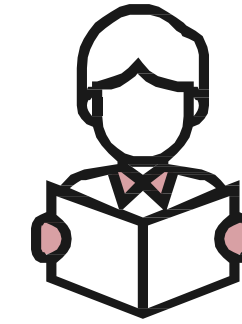


Registration Process via Schools

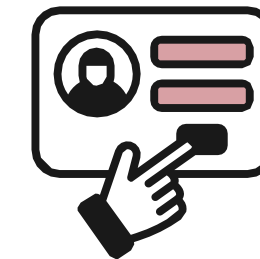


School Registration

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.

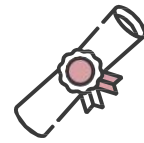


Rewards & Recognition

Students



Cash Prizes



Certificates



Trophy



International Study Tour

(Fully Funded by Organisator)

*Proposed, details to be worked out



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Schools



Students



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



Rajiv Bajaj
Managing Director, Bajaj Auto



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 QP Code for
detailed SYLLABUS:



Scan the relevant
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Schools




Students




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




Suman Mishra
CEO, Mahindra Electric




Arindam Lahiri




Arun Mittal




Sai Krishna Ambekar




Chandan mahajan




Aaryan Dubey




Iakshay kaushik




Navani Goel




Arpit Dubey




Nikhil Aggarwal




Gopal Singhal




Khushi Jain




Lakshya Mishra




Vivaan Nikhil Jaipurkar




Sumit Marda




Aranya Datta




ANUSHKA GUPTA




Abhidnya Kadam




Devansh




Shardul Bhatkar



Sudhansu Sekhar Padhy



ShreyashKar



Mohit Gidwani

Scan the relevant
QP Code to REGISTER:

Schools



Students



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



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



www.asdc.org.in

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Register Now