

1-Day Seminar on

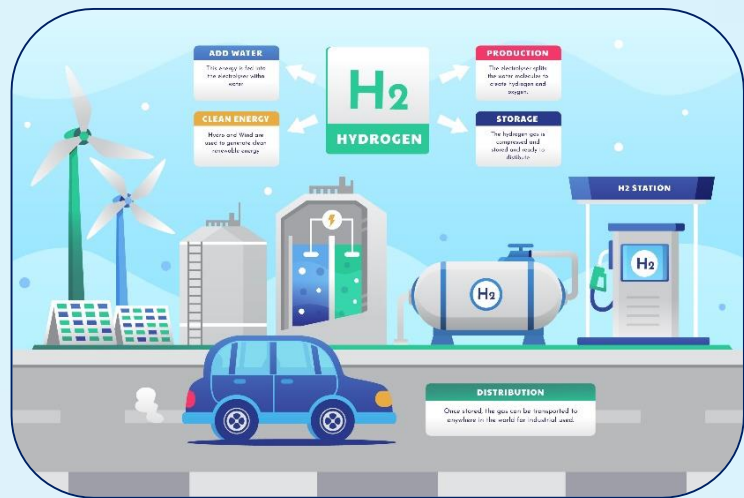
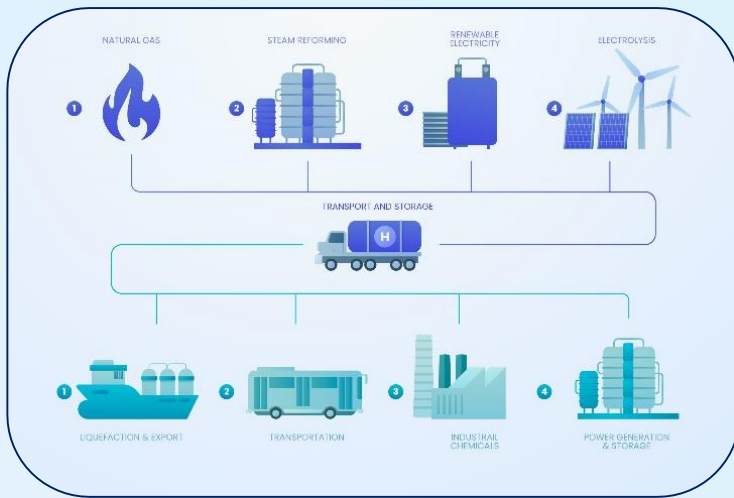
Hydrogen IC Engine Technology



27th June 2025(Friday)



ARAI Kothrud, Pune



SPEAKERS



Dr. S. S. Thipse,
Sr. Deputy Director,
ARAI, Pune



Mr. Ajay Dekate,
Sr. General Manager,
ARAI, Pune.



Mr. Aatmesh Jain,
Deputy Manager,
ARAI, Pune.

* Additionally, speakers from ARAI & other Industries may be invited.

Outreach Partner

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ARAI
Progress through Research

TechNovuus
Synergizing Technology & Innovation

01 OBJECTIVES:

The aim of the seminar is to provide participants with a comprehensive understanding of hydrogen as an alternative fuel, its combustion behaviour, associated engine/vehicle modifications, fuel supply systems, safety and regulatory aspects, and the evolving hydrogen ecosystem—empowering professionals to explore and adopt Hydrogen IC Engine technologies effectively.

02 SCHEDULE OF THE PROGRAMME:

8:30	Registration and breakfast
9.30	Overview of alternative fuel <ul style="list-style-type: none">• Introduction to hydrogen fuel• Why hydrogen as an alternative fuel?• Advantages and challenges of hydrogen fuel• Global trends in hydrogen adoption• India initiatives for hydrogen ecosystem
10.00	Hydrogen properties & combustion behavior <ul style="list-style-type: none">• Understand physical and chemical properties of hydrogen as automotive fuel• Discuss benefits & challenges with respect to specific H₂ property as a fuel
11.00	Engine/vehicle modifications required for hydrogen engine as per specific H₂ properties
12.00	Hydrogen fuel supply components
13.00	Lunch break
14.00	Regulatory requirement for component, safety & layout
15.00	Hydrogen ecosystem, policy framework, and certification for alternative fuel vehicles <ul style="list-style-type: none">• Hydrogen ecosystem in India• Hydrogen policy and GOI initiatives• Testing & certification of alternative fuel vehicles
16.30	Conclusion

03 REGISTRATION CONTACT:**Contact Details**

Phone: 02135-630795/90 or 02135-396695/90

Email: training.pga@araiindia.com ; patil.pga@araiindia.com ;

Website: <https://www.araiindia.com/services/knowledge-dissemination/upskilling-program>

Office Address: ARAI Academy, ARAI-FID, B-16/1, MIDC, Chakan, Mahalunge Ingale, Maharashtra 410501

04 REGISTRATION FEES:**Registration Fees (Rs.)**

Rs.6,000 + 18%GST =Rs. 7,080 (per participant)

10% DISCOUNT if 5 or more delegates are registered from the same organization



For Registration

05 PAYMENT INFORMATION:

Mode of Payment: Online Transaction

ARAI Pune Account No: 04470200000280

IFSC/RTGS/NEFT Code: BARB0KARVER (0=Zero)

Note: Participants from organization in SEZ must confirm the applicability for GST before making the payment.

***STE- Science, Technology & Engineering**

Who should attend:

- Engine and Fuel System Developers
- Automotive Engineers and Designers
- R&D Professionals
- Technical Consultants & Startups in Clean Mobility
- Government and Policy Professionals in Transport & Energy
- Faculty and PG/PhD Students in Automotive/Mechanical Engineering