on Electric Vehicle Awareness Programme



The Automotive Research Association of India

EV Awareness Programme

The Automotive Research Association of India (ARAI), through ARAI Academy, a Skill Development initiative of ARAI, embarked on a journey to create Electric Vehicle awareness at various educational institutions in Western India.

The One-day Awareness Programme initiated on 28th January 2020, at Sagar Institute of Science and Technology, Bhopal, Madhya Pradesh. Over 100 participants attended the event. This was followed by events at Symbiosis Institute of Technology, Pimpri Chinchwad College of Engineering, G.H.Raisoni institute of Engineering and Technology in Pune and Nirma University and LD College of Engineering in Ahmedabad. The details are as follows:

S.no.	Date	College/Institute/University	City	No.of Participants
1	28th-29th Feb 2020	Sagar Institute of Science and Technology	Bhopal	100
2	14 th Feb 2020	Symbiosis Institute of Technology	Pune	150
3	25 th Feb 2020	PCCOE	Pune	500
4	25-26 th Feb 2020	GH Raisoni	Pune	100
5	27 th Feb 2020	Nirma University	Ahmedabad	200
6	28 th Feb 2020	LD College of Engineering	Ahmedabad	133

Under this Awareness Programme, ARAI has trained more than 1100 students and faculties on Electric Vehicles at the aforementioned colleges.

Some photographs from the event are given below:



The reports on individual programme at the aforementioned colleges are given from next page onwards.

Electric Vehicle Awareness Programme

Date: 28th and 29th January, 2020. Venue: Sagar Institute of Science & Technology, Bhopal

ARAI Academy conducted "**NIRMAAN-2020**" – Electric Vehicle Start-up Conclave on 28th and 29th January 2020 at Sagar Institute of Science & Technology, Bhopal, Madhya Pradesh. Flier attached. Students and budding entrepreneurs from different branches attended the event, indicating the growing interest for Electric Vehicles and a desire to contribute to the EV revolution. The session commenced with "Introduction to Electric Vehicles and its types" by Dr. Yogesh Bhateshvar, delineating the need for EVs and architectures of different EV platforms, which was succeeded by "Government incentives, Standards & Skill development" by Dr. K.C. Vora.

It was a splendid experience of interacting with the young entrepreneurs and comprehending their vision to make a mark in the Electric Vehicle start-up space.

Audience at the event

Dr. M.Rafiq delivering a session

Mahindra eVerito for demo

Test rides on Ather 450

Dr. K. C. Vora Sr DD and Head, Academy ARAI, Pune

Electric Vehicle Awareness Programme

Date: 14th February, 2020. Venue: Symbiosis Institute of Technology, Pune

ARAI Academy conducted a One-day Electric Vehicle Awareness Programme on 14th February 2020, at Symbiosis Institute of Technology, Lavale, Pune. Flier attached. Students from different branches attended the event, indicating the growing interest for Electric Vehicles and versatility in terms of knowledge acquisition. The session commenced with "Introduction to Electric Vehicles" delineating the requirement for Electric Vehicles, which was succeeded by "Electric Vehicle Systems" and "Design requirements for EVs". Academy staff members- Dr. M. Rafiq Agrewale, Dr. Yogesh Bhateshvar, Mr. Nilesh Sakle and Mr. Amitabh Das successfully executed the event.

To provide practical experience and to give the feel of riding an EV, Ather Energy (vehicle: Ather 450) and Mahindra Electric (vehicle: eVerito) had joined us in this venture to provide test rides and demonstration to the students and faculty on their respective vehicle platforms. A total of 150 students attended the event. The event helped students comprehend the issues and problems in mobility and acknowledged them regarding the true essence of zero emission vehicles in 21st century.



Audience at the event



Mahindra eVerito for demo



Dr. M.Rafiq delivering a session



Test rides on Ather 450

Dr. K. C. Vora Sr DD and Head, Academy ARAI, Pune



In Association with :







Electric Vehicle Awareness Programme

Date: 25th February, 2020. Venue: Pimpri Chinchwad College of Engineering, Pune

ARAI Academy conducted a One-day Electric Vehicle Awareness Programme on 25th February 2020, at Pimpri Chinchwad College of Engineering, Pune. (Flier attached). Students from different backgrounds attended the event, indicating the growing interest for Electric Vehicles and versatility in terms of knowledge acquisition. The session commenced with "Introduction to Electric Vehicles" by Dr. K. C. Vora followed by "Electric Vehicle Systems" by Mr. Nikhil Shimpi and Mr. Amitabh Das and "Electric Vehicles Design Considerations" by Mr. N.A.Sakle.

To provide practical experience and to give the feel of riding an EV, Ather Energy (Vehicle: Ather 450) and Mahindra Electric (vehicle: eVerito) had joined us in this venture to provide test rides and demonstration to the students and faculty on their respective vehicle platforms. The event helped students comprehend the issues and problems in mobility and acknowledged them regarding the true essence of zero emission vehicles in 21st century. The total number of participants were 500 comprising students from Mechanical, Computer Science, IT, Electrical and Electronics Engineering. There was poster exhibition and essay competition organized on "Electric Vehicles and its Benefits for the Society". The winners of the competitions are as follows:

Poster Competition				
1 st Prize	Saurabh Gorakh Mahajan			
2 nd Prize	Aishwarya Bajrang			
3 rd Prize	Prajwal Thorat			
Consolation	Neha Motagi			

Essay Competition				
1 st Prize	Nupur Kulkarni			
2 nd Prize	Omkar Wadekar			
3 rd Prize	Prerna Patil			
Consolation	Dhanashree Munot			



Dr. K. C. Vora Sr DD and Head, Academy ARAI, Pune









Electric Vehicle Awareness Programme

Date: 25th & 26th February, 2020. Venue: G.H. Raisoni Institute of Technology, Wagholi, Pune

ARAI Academy conducted **Conclave on Advances in Solar System, Electric Vehicles & Awareness** on 26th February 2020, at G.H. Raisoni Institute of Technology, Wagholi, Pune. (Flier attached). Students and faculties from different branches attended the event, indicating the growing interest for Electric Vehicles and versatility in terms of knowledge acquisition. The session commenced with "Introduction to Electric Vehicles" by Dr. K. C. Vora followed by Dr. Yogesh Bhateshvar on "Electric Vehicle Design and Charging System Infrastructure".

To provide practical experience and to give the feel of riding an EV, Ather Energy (vehicle: Ather 450), Mahindra Electric (vehicle: eVerito) and EV component supplier GoGoA1 had joined us in this venture to provide test rides and demonstration to the students and faculty on their respective vehicle platforms. The event helped students comprehend the issues and problems in mobility and acknowledged them regarding the true essence of zero emission vehicles in 21st century. The total number of participants were 100, comprising of students and Faculties from different backgrounds. There was poster exhibition and essay competition organized on "Electric Vehicles and its Benefits for the Society". The prize winners of the poster competition are as follows:

1 st Prize	Pavesh Khatik & Shaikh Amaan		
2 nd Prize	Poonam, Snehal & Anik		
3 rd Prize	Venkatesh, Sameer, Joshi & Yogesh		
Consolation Prize	Akash, Omkar, Rahik & Tejas		



Inauguration of the event



Attendees



Dr. K. C. Vora delivering a session



Mahindra eVerito for demo

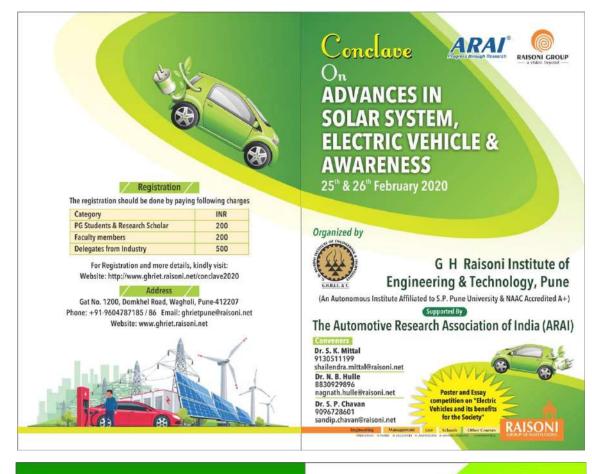


Poster Exhibition



Poster designed by a student

Sr DD and Head, Academy ARAI, Pune



Raisoni Group of Institutions

About Institute

ut ARAI Academy

Who can Attend?

Fest Speakers

Advances on Solar System

Dr. Chetan Singh Solanki, Professor and Head, Department of Energy Science and Engineering, IIT Mumbai. Dr. G. D. Sharma, Prof. Dean (R & D), L. N. M. Institute of Technology, Jaipur.

Dr. Ajay Chandak, Chairman, PRINCE (Promoters, Researchers and Innovators in New and Clean Energy)

Mr. R. P. Deshpande, Vice President, Viraj

Electronics Pvt. Ltd., Pune Dr. S. R. Jadkar, Professor, Department of Physics, S. P. Pune University.

Mr. Ravindran, CEO & Director, Unitron Energy

Mr. Mehul Patel, Manager, Training and Product Development Ltd., kWatt Solutions Product Developm Pvt. Ltd., Mumbai

Electric Vehicle (EV) Dr. K. C. Vora, Senior Deputy Director

and Head-ARAI Academy, Pune Mr. Omkar A. Shaligram, Senior Manager Electric Vehicle and ADAS sourcing , TATA MOTORS, Pune

Mr. S. A. Sundaresan, Vice-President, Ashok Levland Chennai Dr. Manjusha Shelke, Senior Scientist CSIR, NCL Pune

Mr. Durwankur Raut, Chief Engineer, Mechanical and Integrated System, Devise Electronics Pune

Mr. Shrikant Shinde, Founder and Innovator, GoGo foundation, Mumbai

Dr. Yogesh Krishan Bhateshvar, Research Faculty, ARAI Academy

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Chief Patrons Mr. Sunil Raisoni Chairman, Raisoni Group of Institutions (RGI) Mr. Ajit Tatiya Trustee Director, RGI, Pune Campus Patrons Dr. R. D. Kharadkar Dr. K. C. Vora Director Senior Deputy Director and Head-ARAI Academy, Pune Organising Committee Dr. N. U. Korde Dean (Academics) Dr. A. M. Thakare Head, Mechanical Engg. Dr. V. M. Panchade Head, Electrical Engg

Prof. A. D. Bhoi Head, E & TC	Prof. S. G. Ban Head, Civil Engg. Prof. Prathiba Reddy Coordinator, Eureka Innovation Centre		Prof. Rachana Sable Head, Computer Engg. & IT Prof. S. G. Ingle Coordinator, III Cell	
Dr. Darshana Inamdar & Prof. Ashok Kokane Head, First Year				
Mr. Amitabh Faculty, ARALAC	CONTRACTOR AND A	Mr. Mohammad Rafiq B. Agrewale Manager, ARAI Academy		

Objectives of Conclave

To boost National Electric Mobility Mission Plan (NEMMP) 2020 & National Solar Mission 2022, the institute has planned Advances in Solar System and Electric Vehicle (ASSEV) Condave to promote e-mobility & Solar System in India. The objective of this conclave is to encourage faster adoption of Solar system, Electric Vehicle and Anovelege sharing platform for industry, researchers, academicians & entrepreneurs to ensure flow of information of ASSEV at all levels. It will give a pathway on Govt, plans, enderprener's to ensure that or information or ASAR's an event is to be a plot a plot and to be plot a industry that length as a set of the se

Key Highlights of Conclave

Electric Vehicle Awareness Programme

Date: 27th February, 2020. Venue: Nirma University, Ahmedabad, Gujarat

ARAI Academy conducted a One-day Electric Vehicle Awareness Programme on 27th February 2020, at Nirma University, Ahmedabad, Gujarat. Flier attached. Students from different backgrounds attended the event, indicating the growing interest for Electric Vehicles and versatility in terms of knowledge acquisition. The session commenced with "Introduction to Electric Vehicles" by Dr. K. C. Vora followed by "Electric Vehicle Systems" by Amitabh Das, "Electric Vehicles Testing and Certifications by Dr. M. Rafiq Agrewale. and "Charging System Infrastructure by Dr. Yogesh Bhateshvar.

To provide practical experience and to give the feel of riding an EV, Electrotherm demonstrated its yoBike (two wheeler) and Mahindra Electric (vehicle: e2O) had joined us in this venture to provide test rides and demonstration to the students and faculty on their respective vehicle platforms. The event helped students comprehend the issues and problems in mobility and acknowledged them regarding the true essence of zero emission vehicles in 21st century. The total number of participants were 200 comprising students from Electrical and Electronics Engineering. There was poster exhibition and essay competition organized on "Electric Vehicles and its Benefits for the Society".



Inauguration of the event

Dr. K. C. Vora felicitated by Nirma University

Dr. K. C. Vora delivering a session



Dr. Bhateshvar delivering a session

Audience

Faculty having a test-ride on Mahindra e2O









Electric Vehicle Awareness Programme

Date: 28th February, 2020. Venue: LD College of Engineering, Ahmedabad, Gujarat

ARAI Academy conducted a One-day Electric Vehicle Awareness Programme on 25th February 2020, at Pimpri Chinchwad College of Engineering, Pune. Flier attached. Students from different backgrounds attended the event, indicating the growing interest for Electric Vehicles and versatility in terms of knowledge acquisition. The session commenced with "Introduction to Electric Vehicles" and "Electric Vehicle Systems" by Mr. Amitabh Das and "Charging System Infrastructures" by Dr. Yogesh Bhateshvar.

To provide practical experience and to give the feel of riding an EV, Electrotherm demonstrated its yoBike (two wheeler) and Mahindra Electric (vehicle: e2O) had joined us in this venture to provide test rides and demonstration to the students and faculty on their respective vehicle platforms. The event helped students comprehend the issues and problems in mobility and acknowledged them regarding the true essence of zero emission vehicles in 21st century. The total number of participants were 133 comprising students from Mechanical and Electrical Engineering departments. There was poster exhibition and essay competition organized on "Electric Vehicles and its Benefits for the Society".



Inauguration of the event



Session on Charging System



Session on EV Design



Audience



Audience Interaction



Demonstration of Mahindra e2O

Dr. K. C. Vora Sr DD and Head, Academy ARAI, Pune







