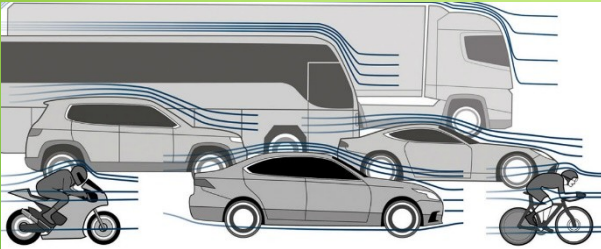


5 Days Online Workshop on Vehicle Aerodynamics



March 08-12, 2021

Time: 06 PM -08.00 PM

by

Mr. A Vinoth Kumar

&

Mr. V. Hariprasad

Registration:

<https://forms.gle/nQGpfxaP57b7ExSY9>

Faculty Profile

Mr. A. Vinoth Kumar is working as an Assistant Professor with SRM Institute of Science and technology, TamilNadu, India. He received the B.E. degrees in Aeronautical Engineering from Kumaraguru college of technology, Coimbatore and M.E. degrees in Aeronautical Engineering from MIT, Anna University, Chennai. He has 8 years of teaching experience and published 12 research article in various reputed international journals and conferences. He is currently doing research on Development of high altitude long endurance unmanned aerial vehicle.

Mr. V. Hariprasad is working as Assistant Professor in the Department of Aeronautical Engineering at Bannari Amman Institute of Technology. He completed his B.E. in Aeronautical Engineering, M.E. in Spacecraft Engineering at ESTACA, France. He has 6 years of teaching experience and published 14 research article in Conferences and Journals. He completed industrial and research projects such as Airborne Wind Turbine and Drag Reduction in Remotely Piloted Aircraft System

About the course

Aerodynamic research and analyse is an important part of any vehicle design. Initially Aerodynamics is considered only for Aircrafts and flying objects. Recently the same concepts are applied in design of everyday objects including helmets, sports vehicles, electric vehicles, wind turbines, etc. By improving the aerodynamic aspects of the object we can improve the efficiency as well as aesthetics. This workshop provides the detailed knowledge on aerodynamic theories, implementation techniques, testing methods and challenges.

Objectives

- ❖ Understand the basic flow characteristics and basic equations to work with aerodynamics
- ❖ Learn the procedures to conduct experiments and design a good aerodynamic body
- ❖ Analyse flow around the body from results derived and improve their performance

Outcome

The participant will be able to execute the design and analysis of any vehicle body to improve aerodynamic efficiency.

Course Content

- ❖ Subsonic and Supersonic Aerodynamics
- ❖ Experimental procedures (Wind Tunnel & CFD)
- ❖ Case study

Methodology

- ❖ Teaching experimental steps with individual case study
- ❖ Teaching aerodynamic theories and provide suitable technique to choose for particular analysis
- ❖ Pre and post assessment

Who Should Attend

Students from Engineering College interested in Automobile and Aviation, involved in vehicle aerodynamic design and analyses, etc.

Course Fee

Rs. 500 per delegate for students
(E certificate will be given to those who attend all 5 Days)

Online Account Details

Account Name: SAEINDIA SOUTHERN SECTION
Account Number : 38517580801
Bank Name & Branch: State Bank of India, Kottur
MICR Number : 600002023
IFSC Code : SBIN0001669
PAN No : AABAS2734H

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