

## Workshop on "Industrial Aerodynamics"

The Department of Aeronautical Engineering HOD had organized a one day workshop on "Industrial Aerodynamics" on October 9<sup>th</sup> 2012.

The Program was inaugurated at 9:00 AM by Dr. S.K Maharana, Head of Aeronautical Engineering (P.G) and Presided by Ms. Deepa M.S ,Head of Aeronautical Engineering (U.G) at Smt. Rajalakshmi Jayaraman Seminar Hall.

DATE	TIMINGS	PROGRAM
<b>9-10-2012</b>	9:00 AM	Inaugural Function
	9:20-10:20 AM	Dr.L. Venkatakrishnan, EAD, NAL
	10:20-11:00AM	Dr.H K Narahari, MSRSAS
	11:00- 11:20AM	Tea
	11:20- 12:00 PM	Shri N Srinivas Rao, Suzlon Energy Ltd
	12:00- 1:20 PM	Dr. S K Maharana
	1:20-2:20 PM	Lunch
	2:20- 3:00 PM	Prof. N. Balakrishnan, IISC
	3:00- 3:40 PM	Prof. Ashish Kumar Gupta, Jain University
	3:40 PM	Vote of Thanks

The first key note lecture was delivered by Dr.L. Venkatakrishnan, Experimental Aerodynamics, National Aerospace Laboratories from where he retired as outstanding scientist. He started his lecture by 9:20AM. The first key note lecture given more ideas about:

- Wind Tunnels
- The role of Wind tunnels in Industrial Aerodynamics

The lecture is concluded by 10:20 AM. The lecture given the students and faculties more details about the future trends in Wind Tunnels and Industrial Aerodynamics

The second lecture was delivered by Dr.H K Narahari, distinguished scientist MSRSAS.

The lecture started by 10:20 AM. The lecture given details about the following topics:

- Road Vehicle Aerodynamics
- CFD in Road Vehicle Aerodynamics

The lecture got over by 11:00 AM. The given the details about Road Vehicle Aerodynamics After the session all the workshop attendees went for their Tea. The tea session ended by 11:20 AM

The Next session was started by the Lecture of Shri L Jaikumar, GE Global Research He served that organization for 15 years that included 5 years in senior management positions. His lecture started by 11:20AM. His lecture was about:

- Wind Turbine Design
- Wind Turbine Aerodynamics

The lecture was concluded by 12:00PM. The lecture given ideas about the future trends in Wind Turbine Aerodynamics

The next lecture started by 12:00 PM by Shri N Srinivas Rao, Suzlon Energy Ltd. The lecture was about following topics:

- Wind Energy
- Enhancing the efficiency of Wind Turbine

The lecture got over by 12:40 PM. The lecture given ideas about the enhancement of efficiency for Wind turbine.

The next session started on 12:40 PM at Smt. Rajalakshmi Jayaraman seminar hall. The Lecture was given by Dr. S K Maharana, Head of Department Aeronautical Engineering

He given a lecture on the following topics:

- Building Aerodynamics
- Wind Hazards
- Wind Hazards and its effects on Buildings

The lecture given idea about wind hazards and its effects on buildings. The lecture got over by 1:20 PM.

The attendees went for the lunch by 1:20PM . The post lunch session started by 2:20PM

The lecture was given by Prof. N.Balakrishnan, IISC, He give a lecture on the following topics:

- Establishing Reliability of CFD Tools

The lecture given more details about the combustion process in in gas turbine engine and also in missiles, Launch vehicles. The lecture got over by 3:00 PM.

The next lecture was started by 3:00 PM which was delivered by Prof. Ashish Kumar Gupta, Jain University. His lecture was about following topics:

- Incompressible Aerodynamics of Ground Structures
- Incompressible Aerodynamics of Launch vehicles

The lecture got over by 3:40 PM. The lecture given idea about incompressible aerodynamics of Ground structures and Launch vehicles.

The seminar ended with the vote of thanks by Ms. Deepa M.S, Assistant Professor, Department of Aeronautical Engineering who thanked the event organizers and Speakers and faculties of the departments. Feedback was collected from department faculties.

The event was organized by following faculties:

Ms. Deepa M.S

Mr. Nishanth P

Mr. Venugopal M M

  
**Principal Signature with Seal**  
**Principal**  
**MVJ College of Engineering**  
**Bangalore - 560 067**