



DEPARTMENT OF AERONAUTICAL/AEROSPACE ENGINEERING

Report on

“Industry Academia Conclave 2024 by Aeronautical society of India (Chennai branch)”

Venue: Tiruchirapalli

Date: 18 October 2024

Industry Academia Conclave 2024 was conducted by Aeronautical society of India (AeSI), Chennai branch having Dr. S Nadaraja Pillai as convener began with an online abstract submission competition and online presentation of the submitted idea. The selected - prize winning teams were invited to attend the conclave on 18 October 2024 at Tiruchirapalli. The theme was focused on Sustainable Aviation in India and had eminent industrial experts throwing light on various aspects within their domain of expertise.

The event was inaugurated with a welcome speech by Dr. P S Prem Kumar, Honorary Secretary, AeSI including a brief information on event flow and winners’ revelation.

Followed by Dr. R Krishnamurthy, Technology Director, DRDL who gave a profound insight about advanced technologies for sustainable aerospace vehicle design, where a deep discussion about CFD took place which included a brief talk on grid generations. Also, the process of a project evolution was addressed featuring key points as innovation, its overall cost and the attractive qualities along with its applications.

Air Marshal M Matheswaran, AVSM, VM PHD took over to address the gathering of young minds, research scholars and academia-industry enthusiasts. He further continued his talk on bridging the gap between the aviation that emerged for war favouring to the present aviation sector being available for even general public. He also linked the benefit of population focusing on better transportation to emerging advanced/sustainable aviation in India.

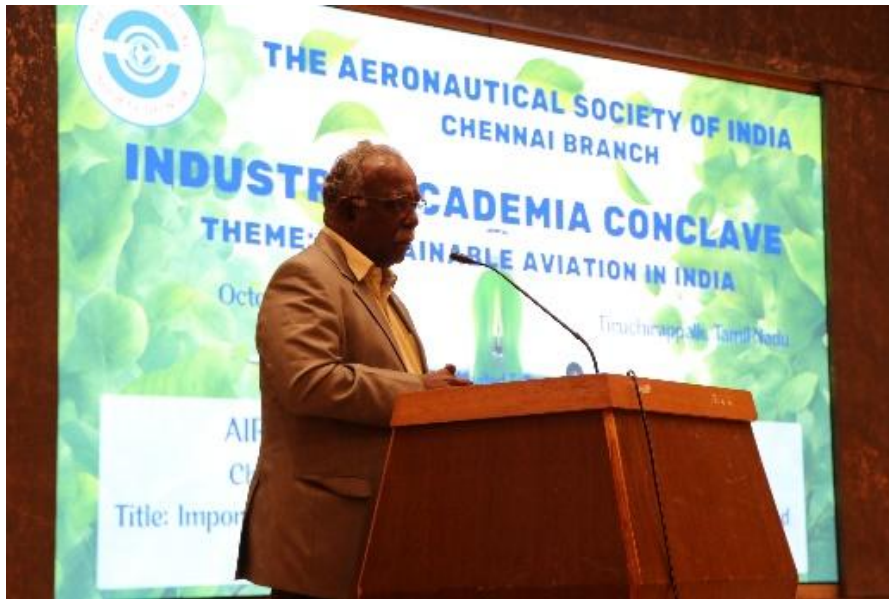


Figure 1 Talk by Air Marshal M Matheswaran.



Figure 3 Talk by Dr. R Krishnamurthy.

Mr. R Harsha, Lead Systems Engineer, Boeing having taken part in designing fifth generation fighter aircraft design took the crowd over an intellectual ride on flight worthiness- critical role of aerospace testing.

Mr. N P Sukumar, Acoustics India Pvt Ltd. gave information on general experience of Acoustics in aerospace industry in India.

Mr. Sonnet Xavier, Project Manager, CIRCOR Flow Technologies India Pvt Ltd. spoke about advance aerospace/defense technologies and sustainability. The talk focused on flying whales-helium and hydrogen valves, and sustainability product environmental compliance.

Eminent speakers from industry and academia took over the stage for a sharp-witted panel discussion over industrial experts' opinion and academia experts' perspective on sustainable aviation in global perspective.

This provided an understanding on problems faced by scholars and expectations held by industry for upcoming generation. This further helped in expanding the connections among various sectors requiring skills and crisp knowledge.



Figure 4 Panel Discussion by experts

A team of three aeronautical department students (R Kavana, Sharanya Sajeev, Shwetha M) under the guidance of Dr. Vinu M Kuriakose, Dept of Aerospace Engineering were awarded first prize at Industry Academia Conclave 2024 for the work idea which they had presented online. This event provided an opportunity to interact with experts from various organisations/ institutions. Students were grateful for the hospitality provided by the AeSI, Chennai branch and we are thankful to MVJ College of Engineering for the immense support bestowed upon in making this a valuable achievement.



Figure 5 MVJCE team receiving first prize



Figure 6: MVJCE Team with industrialists