

GUEST LECTURE ON MORE ELECTRIC AIRCRAFT

Event No	EE001
Organizing Department	Electrical and Electronics Engineering
Date	08/04/2024
Time	10:00 AM to 12:30 PM
Event Type	Seminar
Event Level	Dept. Level
Venue	Thanam hall
Total Participants	136
Faculty - Internal	4
Students - Internal	132

Related SDG



Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Ashok kumar	Principal engineer	Collins aerospace	ashokkumar.thirunarayana@collins.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Mohana Sundaram K	Convenor

Outcome

The students are able to understand the 1.The importance of more electric aircraft in future2.The motor specifications used in aircraft3.The details of hybrid electric aircraft.4.The role of electrical engineer in designing the aircraft.

Event Summary

The expert talk on More Electric aircraft was arranged for II and III year EEE students. HOD-EEE welcomed the guest speaker Mr. Ashok Kumar Thirunarayana, Sr. Principal Engineer, Collins Aerospace,Bangalore .The guest delivered the lecture starting with the details of the Collins Aerospace and the importance of Hybrid electric aircraft and more electric aircraft.He explained the role of electrical engineer in designing the aircraft. The future projections on More electric aircraft by NASA and the motor specifications used in More electric aircraft were well explained. The frequency range maintained in the aircraft were explained by the guest. The CAGR of More electric aircraft for the next generation was discussed and the overall cost comparison between Hybrid electric aircraft and more electric aircraft were discussed.The deployment of aircraft will take another 10 years to make available in the market.The III year students interacted with guest regarding the scope of more electric aircraft and the motor used other than PMSM. The II year students asked about the software involved in designing the aircraft.Finally the program ended with vote of thanks by Dr.Baranlingesan



KPR Institute of
Engineering and
Technology
(Autonomous, NAAC "A")

Department of Electrical and
Electronics Engineering
organizes an
Expert Lecture on



More Electric Aircraft

08.04.2024 | 10.30 am to 12.30 pm

Venue: Thanam Hall

Resource Person
**Mr. Ashok Kumar
Thirunarayana**
Sr Principal Engineer
Collins Aerospace, Bangalore

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