

# IGNITING MINDS

## A Tribute to Dr. APJ Abdul Kalam on His 92<sup>nd</sup> Birth Anniversary

### Overview:

The Department of Aeronautical Engineering at Gopalan College of Engineering and Management (GCEM), Bangalore, organized an event titled **“Igniting Minds”** to commemorate the 92<sup>nd</sup> birth anniversary of the missile man of India, Bharat Ratna **Dr. APJ Abdul Kalam**. The event, held from **October 15<sup>th</sup> to 17<sup>th</sup>, 2023**, aimed to celebrate the legacy of Dr. Kalam by engaging students in various **intercollegiate online competitions** and enlightening **workshop series**. The event also featured a **technical talk** by **Shri B Sankar Madaswamy, Scientist/Engineer from ISRO**, and explored the realms of aerospace engineering and space technology.

**GOPALAN COLLEGE**  
OF ENGINEERING AND MANAGEMENT  
WHITEFIELD, BANGALORE

DEPARTMENT OF  
AERONAUTICAL ENGINEERING  
GCEM, BANGALORE

Agnirva.com  
Rekindle [Space] Dream

AERONAUTICAL SOCIETY OF INDIA  
BANGALORE BRANCH

### WORKSHOP SESSIONS

16th of October, 2023

OFFLINE: DEPT OF AE, 5TH FLOOR, GCEM, BANGALORE

- OpenVSP
- 3D Printing and Ultimate Cura
- XFOIL & XFLR5
- Arduino - IOT

**WHO CAN PARTICIPATE?**  
ENGINEERING STUDENTS OF ALL BRANCHES  
(AERO ENTHUSIAST)

**REGISTRATION FEE FOR WORKSHOP**  
INHOUSE STUDENTS - ₹. 200/-  
OUTSTATION STUDENTS - ₹. 400/-  
**NO REGISTRATION FEE FOR ONLINE COMPETITIONS**



### ONLINE COMPETITIONS

10th to 15th of October, 2023

ONLINE SUBMISSION

- Cosmic Canvas - Poster Submission
- AeroVerse - Ideathon: Submitting the PPT for the given Problem Statement
- Junk-Jet- Waste to Wonder: Model Making and Video Report Submission
- Orbit Odyssey - Quiz on Aviation and Astronomy



Registration Link  
<https://bit.ly/IgnitingMinds2023>



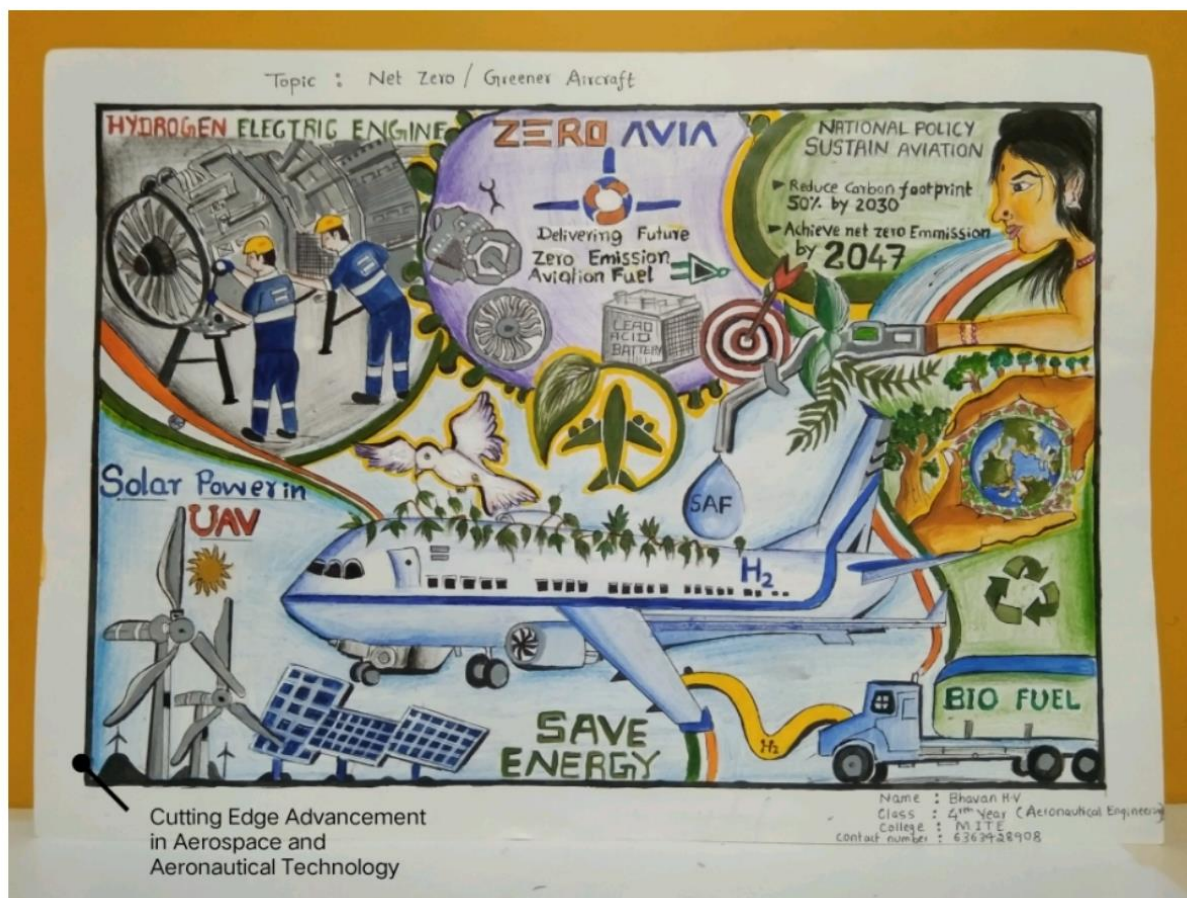
Student Organizers

MR. THARUN SURYA D J +91 7619195914	MR. RISHITH R KUMAR +91 7259479061	MR. GAGAN D +91 9108706656	MR. S KARAN +91 9538833433	MR. V R ROOPESH +91 8978487635
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### Day 1: Intercollegiate Online Competitions (October 15<sup>th</sup>, 2023)

The day commenced with a series of online competitions, including the *Aeroverse (Ideathon)*, *Orbit Odyssey (Quiz)*, *Cosmic Canvas (Poster Presentation with the themes on Dr. Kalam, Innovative Technologies in Space, Chandrayan 3, and Aditya L1 Mission)* and *Junk Jet (Model Making)*. The winners of the competitions are listed below:

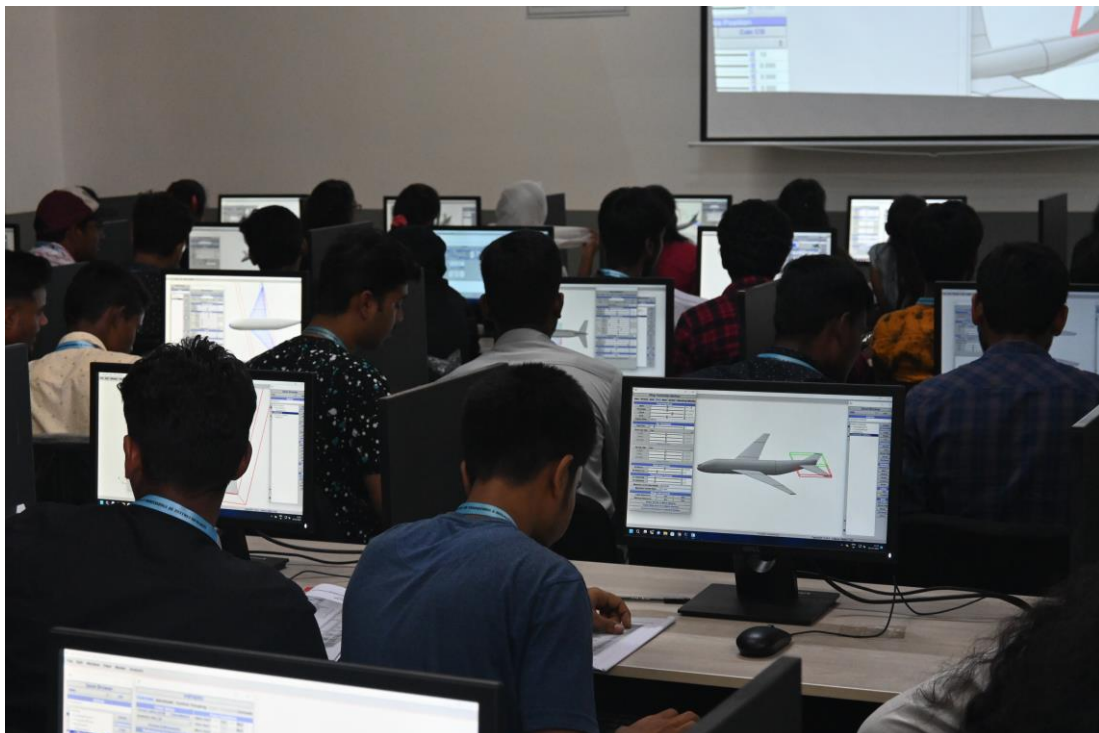
Sl. No.	Competition	I Place	II Place
1	Aeroverse (Ideathon)	<i>Mr. Suraj Diyali,</i> GCEM, Bangalore	<i>Mr. J Srinivasa,</i> MVJCE, Bangalore
2	Orbit Odyssey (Quiz)	<i>Ms. Maheshwari,</i> GCEM, Mangalore	<i>Mr. Herradlin J S,</i> SREC, Coimbatore
3	Cosmic Canvas (Poster Presentation)	<i>Mr. Bhavan H V,</i> MITE, Mangalore	<i>Ms. Keerthana G S,</i> GCEM, Bangalore
4	Junk Jet (Model Making)	<i>Mr. Bhavan H V,</i> MITE, Mangalore	---





## Day 2: Workshop Series (October 16<sup>th</sup>, 2023)

The second day commenced with a warm welcome address by Mr. Suprith M, organizer of Igniting Minds. Dr. G Purushotham, HOD of Aeronautical Engineering, addressed the participants, setting the tone for the day's activities. The workshop sessions delved into various advanced tools, including *OpenVSP*, *XFLR5*, *XFOIL*, *Ultimate-Cura (3D Printing)*, *Arduino*, and *IoT*. Dr. G Ramesh enlightened the 58 participants on the *basics of aerodynamics*, paving the way for an interactive session on OpenVSP in the forenoon. The afternoon sessions focused on XFLR5, XFOIL, 3D printing, Arduino, and IoT, providing the students with hands-on experience in these cutting-edge technologies.



### Day 3: Technical Talk and Prize Distribution (October 17<sup>th</sup>, 2023)

The final day of Igniting Minds commenced with a warm welcome address by Dr. G Purushotham, HOD of Aeronautical Engineering. Dr. G Ramesh, Dean Research at GCEM, shared insights into Dr. Kalam's accomplishments in a segment titled *“Salam Kalam”*. *Ms. Tanya Srivastava, Program Manager at Agnirva.com*, discussed potential collaborations between Agnirva and GCEM for student projects and internships in the astro-space domain. *Mr. B Sankar Madaswamy, Scientist/Engineer from ISRO*, delivered a captivating technical talk on *“Achievements of ISRO”*, shedding light on India's remarkable achievements in space technology.



The event was presided over by Dr. C M Bhaskar Reddy, CEO, Gopalan Institutions. The occasion was graced by the presence of Mr. Yanni Concesso, Program Manager, Agnirva.com, Dr. Basavaraju C, Principal, GCEM, Dr. Manoj Challa, Vice-Principal, Gopalan Colleges and Mr. Tharun Surya, President, Aeronautical Engineering Students' Club. Prizes were distributed to the winners of various online competitions. Mr. Suprith M, organizer of the event expressed his gratitude in the vote of thanks. The program was hosted by Mr. S Karan, 7th-semester AE.

**Conclusion:**

Igniting Minds, organized by the Department of Aeronautical Engineering at GCEM, Bangalore, successfully celebrated the 92nd birth anniversary of Dr. APJ Abdul Kalam. The event, marked by engaging online competitions, insightful workshops, and a captivating technical talk, not only honoured the legacy of Dr. Kalam but also inspired the budding aerospace engineers and enthusiasts. The active participation, enthusiasm, and innovative spirit displayed by the students made the event a resounding success, fostering a spirit of curiosity and exploration in the field of aerospace engineering and space technology. The event's success underscored the importance of such initiatives in nurturing the next generation of innovators and researchers in the field of aeronautics and space science.