

IGNITING MINDS

A Tribute to Dr. APJ Abdul Kalam

on His 92nd 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 92nd birth anniversary of the missile man of India, Bharat Ratna **Dr. APJ Abdul Kalam**. The event, held from **October 15th to 17th, 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.



The poster for the "IGNITING MINDS" event features a central portrait of Dr. APJ Abdul Kalam. The background is a dark, textured image of a landscape or city at night. At the top, logos for Gopalan College of Engineering and Management (GCEM), the Department of Aeronautical Engineering at GCEM, Agnirva.com, and the Aeronautical Society of India Bangalore Branch are displayed. The title "IGNITING MINDS" is prominently in the center in large yellow letters. Below it, a blue banner reads "Tribute to Dr. A P J Abdul Kalam on His 92nd Birth Anniversary". The poster is divided into sections: "WORKSHOP SESSIONS" (16th of October, 2023, Offline at Dept of AE, 5th Floor, GCEM, Bangalore, with a list of activities including OpenVSP, 3D Printing, XFOIL, XFLR5, Arduino, and 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), "All Participants Will Receive E-Certificates", and "Student Organizers" (with names and contact numbers: MR. THARUN SURYA D J, MR. RISHITH R KUMAR, MR. GAGAN D, MR. S KARAN, and MR. V R ROOPESH). On the right, "ONLINE COMPETITIONS" (10th to 15th of October, 2023, Online Submission) are listed with activities: Cosmic Canvas - Poster Submission, AeroVerse - Ideathon, Junk-Jet- Waste to Wonder, Orbit Odyssey - Quiz on Aviation and Astronomy. A QR code and a "Registration Link" (https://bit.ly/IgnitingMinds2023) are also provided.

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

All Participants Will Receive E-Certificates

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

Student Organizers

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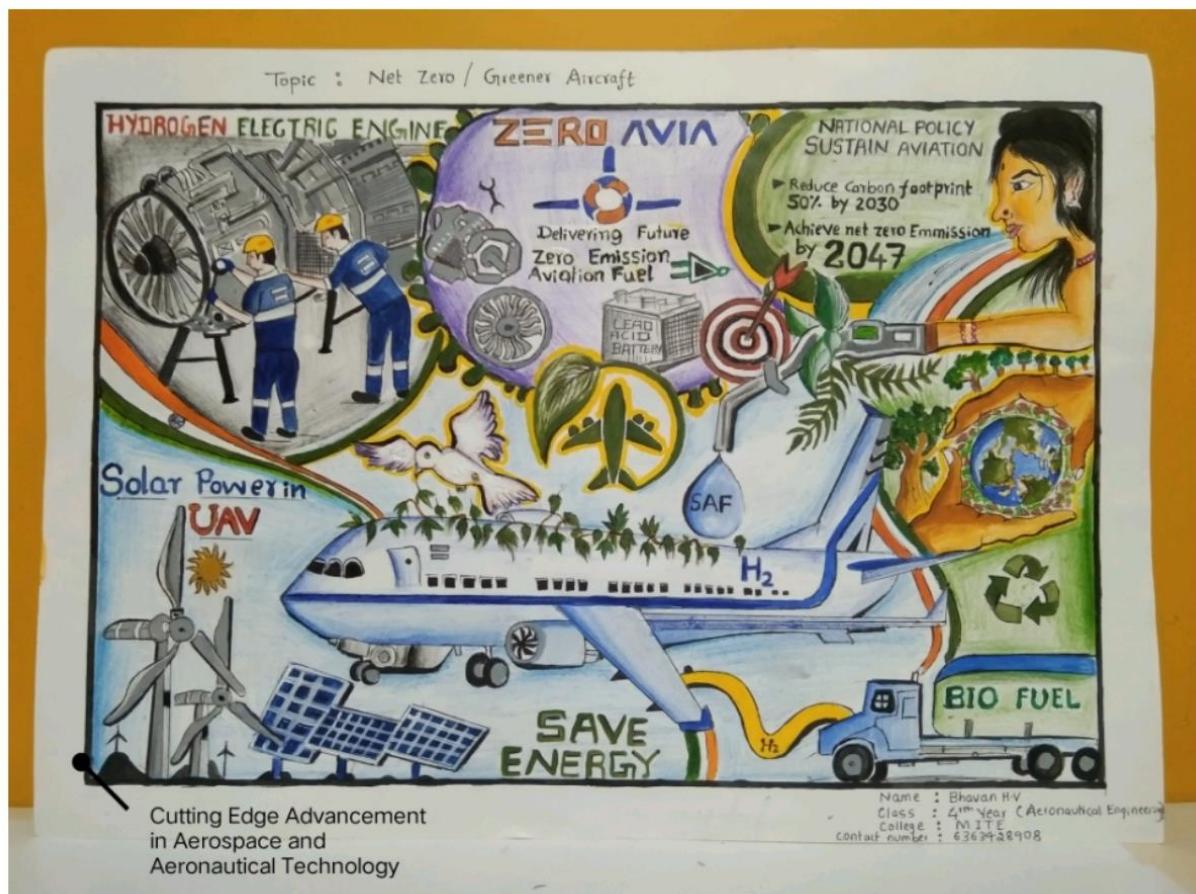
MR. V R ROOPESH
+91 8978487635

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

Day 1: Intercollegiate Online Competitions (October 15th, 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 16th, 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 17th, 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.