



**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University)  
Established Under Sec. 3 of UGC Act, 1956 - NAAC Accredited  
think • innovate • transform

## **PROGRAMME REPORT ON**

### **ISOPTERONZ 2K25-A National Level Symposium on ISOPTERONZ 2K25**

Resource Person

**Mr. Jeevaranjan Sundareswaran, Founder & CEO, Auraa Aerospace  
Pvt. Ltd. Madurai**

Organized by

**AERO- PMIST**



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## **REPORT ON A NATIONAL LEVEL SYMPOSIUM ISOPTERONZ 2K25**

**A NATIONAL LEVEL SYMPOSIUM “ISOPTERONZ 2K25”  
ORGANISED BY  
DEPARTMENT OF AEROSPACE ENGINEERING &  
ASSOCIATION OF AEROPTERYX**

**DATE: 27-03-2025**

**TIME: 09.00 am - 04.30 pm**

**BENEFICIARIES: STUDENTS OF PMIST & OTHER INSTITUTES**

**VENUE: TB II - FREUD HALL, PMIST**

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## **1. OBJECTIVE**

- To make students to participate in technical and non-technical events.
- To promote interdepartmental and intercollege relationships.
- To encourage students of PMIST and other institute to innovate in areas of Aerospace Engineering.



2. POSTER



DEPARTMENT OF AEROSPACE ENGINEERING  
&  
ASSOCIATION OF AEROPTERYX (AOA)  
PRESENTS

ISOPTERONZ 2X25

NATIONAL LEVEL SYMPOSIUM

TECHNICAL EVENTS

- PAPER PRESENTATION
- CAD MODELLING
- AERO MODELLING (GLIDER/PARACHUTE/WATER ROCKET)

NON-TECHNICAL EVENTS

- TREASURE HUNT
- AD ZAP (FIND THE LOGO)
- PHOTOGRAPHY



27.03.2025  
FREUD HALL, PMIST



Scan me



WIN EXCITING CASH PRIZES

REGISTRATION FEES:  
Rs.150\*/Participant/Event  
For add on Rs.50/event  
Also On Spot Registration available

FACULTY CO-ORDINATOR:

Mr.R.SURESH  
(AP (SS)/AEROSPACE)  
+919524946825

Mr.A.MOHAMED ISMAIL  
(AP (SS)/MECHANICAL)  
+91 97873 05424

STUDENT CO-ORDINATORS:

Mr.S.SALMAN FARIS  
(III YEAR /AEROSPACE)  
+91 7418440424

Ms.L.GRACY SWEETY  
(III YEAR /AEROSPACE)  
+91 6382882952

Mr.N.KELVIN JOHN  
(II YEAR /AEROSPACE)

Ms.W.CHRISTY RIYASINI JOAN  
(II YEAR /AEROSPACE)

Mr.K.SANTHOSH  
(IV YEAR /AEROSPACE)

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)  
PERIYAR NAGAR, VALLAM, THANJAVUR-613403  
TAMILNADU

FOR MORE DETAILS  
[www.pmu.edu](http://www.pmu.edu)  
[headaero@pmu.edu](mailto:headaero@pmu.edu)

CONVENOR  
Dr.I.KARTHIC SUBRAMANIYAN  
(HoD/AEROSPACE)



### 3. INVITATION

YOU ARE INVITED TO



DEPARTMENT OF AEROSPACE ENGINEERING &  
ASSOCIATION OF AEROPTERYX(AOA)  
PRESENTS

**ISOPTERONZ  
2K25**

A  
NATIONAL LEVEL SYMPOSIUM

**THURSDAY, 27 MARCH 2025**

**TB II - FREUD HALL, PMIST,  
THANJAVUR.**



**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Government University  
Established under the P.W.D. Act, 1980 (1984) Amendment  
Dindur • Sivakasi • Madurai

DEPARTMENT OF AEROSPACE ENGINEERING &  
ASSOCIATION OF AERONAUTICS (AOA)  
PRESENTS

## ISOPTERONZ 2K25

A NATIONAL LEVEL SYMPOSIUM

DATE: 27.03.2025

TIME: 10:00 AM - 10:30 AM

VENUE: FREUD HALL, PMIST

**WELCOME ADDRESS** : **Mr.K.SANTHOSH**  
IV / AEROSPACE  
STUDENT CO-ORDINATOR, ISOPTERONZ 2K25.

**GUEST INTRODUCTION** : **Mr.R.SURESH**  
AP (SS) / AEROSPACE  
EVENT CO-ORDINATOR, ISOPTERONZ 2K25.

**PRESIDENTIAL ADDRESS** : **Dr.P.K.SRIVIDHYA**  
REGISTRAR, PMIST.

**INAUGURAL ADDRESS** : **Mr.JEEVARANJAN SUNDARESWARAN**  
FOUNDER & CEO, AURAA AEROSPACE Pvt Ltd, MADURAI.

**VOTE OF THANKS** : **Ms.L.GRACY SWEETY**  
III YEAR / AEROSPACE,  
STUDENT CO-ORDINATOR.





**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Chartered by the Government of Tamil Nadu  
Recognized by the Ministry of Education, Government of India  
CIVIL • MECHANICAL • ELECTRICAL • ELECTRONICS

DEPARTMENT OF AEROSPACE ENGINEERING &  
ASSOCIATION OF AEROPTERYX(AOA)  
PRESENTS

## ISOPTERONZ 2K25

A NATIONAL LEVEL SYMPOSIUM

DATE: 27.03.2025

TIME: 04:00PM

VENUE: FREUD HALL, PMIST

**WELCOME ADDRESS :** **Mr.W.CHRISTY RIYASINI JOAN**  
II YEAR / AEROSPACE  
STUDENT CO-ORDINATOR, ISOPTERONZ 2K25.

**FELICITATION ADDRESS :** **Dr.V.VIOLET JULI**  
DEAN (ACADEMIC COURSES),  
PMIST.

**EVENT SUMMARY  
(PRIZE DISTRIBUTION) :** **Mr.R.SURESH**  
AP (SS) / AEROSPACE  
EVENT CO-ORDINATOR, ISOPTERONZ 2K25.

**VOTE OF THANKS :** **Dr.I.KARTHIC SUBRAMANIYAN**  
(HOD / AEROSPACE)  
CONVENER,ISOPTERONZ 2K25.



## 4. TECHNICAL AND NON-TECHNICAL EVENTS AND RULES

### Technical Events:

- Paper Presentation (Topics related to Aerodynamics, Propulsion, Flight Dynamics, Propulsion, Space Mechanics and Interdisciplinary areas)
- CAD Modelling
- Aeromodelling (Water Rocket / Glider / Parachute)

### Non -Technical Events:

- Treasure Hunt
- Ad Zap
- Photography

### **Events' Rules and Regulations – ISOPTERONZ2K25**

#### 1. Technical Presentation (Paper Presentation)

- Maximum number of participants in the team should not exceed 2.
- No participant can take part in more than one team.
- At the time of presentation, Full paper (2 set hardcopy + 1 set softcopy) to be submitted.
- Presentation in PPT should not exceed 10 minutes.
- The maximum time allotted for single presentation is 8 minutes, followed by queries section for 2 minutes.
- Presentation beyond the time limit results in score reduction.
- Plagiarism is not encouraged and if found, will result in disqualification.
- The presentation will be judged based on their innovation, in depth knowledge of the field and presentation skills.

#### 2. CAD Modelling

- Individual participation only.
- Software: CATIA only.
- Diagram: Will be provided by the organizers
- Judging criteria: Time taken & accuracy
- Maximum duration: 45 minutes.



### 3.1 Aeromodelling – Glider

#### **MATERIALS ALLOWED:**

The following are the materials that may be used to build the glider:

Balsawood (Preferable), Glue, Modelling Clay, Ink may be used as needed for small identification.

#### **RULES:**

- Maximum number of participants in the team should not exceed 2.
- No participant can take part in more than one team.
- Each participant should bring their respective college ID proof.
- Participants have to bring materials to make their glider.
- Each glider should be designed, constructed, launched and repaired by contestants. **No ready-made kits are allowed.**
- There is **no restriction** on the **size or weight** of the glider.
- Maximum time allotted for making glider is one hour.
- No modifications to the glider are allowed to be made after the glider is submitted to the judges for inspection or during the competition trials.
- The team members' name(s), college should be clearly mentioned on the glider.
- The winner is decided based on the range and endurance of the glider.
- In case of any discrepancy, decision made by the judge is final.
- All the winners will get prizes with certificate. Others will get participation certificates.
- Certificates and prizes will be given on 27.03.2025 itself.

### 3.2 Aeromodelling – Parachute

- Maximum number of participants in the team should not exceed 2.
- No participant can take part in more than one team.
- Each participant should bring their respective college ID proof.
- Participants have to bring materials to make their parachute.
- Each parachute should be designed, constructed, launched and repaired by contestants. **No ready-made kits are allowed.**
- There is **no restriction** on the **size or weight** of the parachute.
- Assessment will be based on range and endurance of the parachute.



### 3.3 Aeromodelling – Water Rocket

- Participants must design and build their own water rocket.
- Only water and air pressure should be used for launching.
- Maximum height and stability will be considered for evaluation.
- Participants will get two launch attempts, and the best one will be counted.
- Team size: Maximum of 2 members.
- Assessment will be based on range and endurance of the parachute.

### 4. Treasure Hunt

- Each treasure hunt team should have 3 members.
- The clue has to be found in a particular order. The team cannot skip a clue.
- Skipping a clue leads to disqualification of the team.
- Do not search for clues in off-limit areas.

### 5. AD Zap

- Each team should have maximum 2 members.
- Logos will be projected on the screen one by one.
- Logos will be from industries, organizations, MNCs, Automobiles etc.
- Teams must write the product name related to the logo on the provided paper.
- Each logo will be displayed for 10 seconds. Teams must submit their answer in time.
- The team with the highest scores will win.

### 6. Photography

- Location will be given by the organizer.
- On-Spot capturing.
- Participants are asked to come with their own cameras (Mobile capturing not allowed).
- Stitched panoramas, either produced in-camera or with image editing software are not allowed.

5. SESSION SCHEDULE

PROGRAM	TIME	PLACE	FACULTY CO-ORDINATOR
REGISTRATION	08:30am – 10:00am	FREUD HALL	V.NAGARAJ (9159250604)
INAUGURAL FUNCTION	10:00am – 10:30am	FREUD HALL	
REFRESHMENT	10:30am – 10:45am	FREUD HALL	DR.I.KARTHIC SUBRAMANIYAN (9994552611)
PAPER PRESENTATION	10:45am – 11:45am	TB II SMART CLASS ROOM	R.K. MUTHURAMAN (9790240623)
CAD MODELLING	10:45am – 11:45am	CAD LAB TB II 105	R. SURESH (9524946825)
PHOTOGRAPHY	11:45am – 12:35pm	FREUD HALL	R. RAMANI (9791744231)
AEROMODELLING	11:45am – 12:35pm	AERODYNAMICS LAB	V. NAGARAJ (9159250604)
LUNCH BREAK	12:35pm – 01:30 pm		
TREASURE HUNT	1:30pm – 2:30pm	AERODYNAMICS LAB	R. RAMANI (9791744231)
AD ZAP	02:30pm – 03:15pm	TB II SMART CLASS ROOM	R. SURESH (9524946825)
VALEDICTION	03:30pm – 04:30pm	FREUD HALL	



## 6. LIST OF STUDENTS ENROLLED

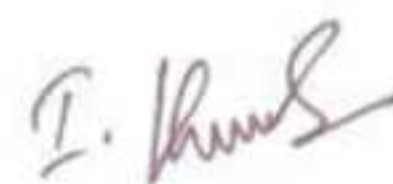
S.NO	Name of Student	Name of Department	Name of Institute
1.	APPU S	III MECH	PMSIT, THANJAVUR
2.	SWETHA P	MBA	RAJAH SERFOJI GOVT COLLEGE, THANJAVUR
3.	AFRIN M	MBA	ADAIKALA MADHA COLLEGE, VALLAM, THANJAVUR
4.	RAJESWARI S	MA	BHARATH COLLEGE OF SCIENCE AND MANAGEMENT, THANJAVUR
5.	SHRINITHI C	II CSE	PMSIT, THANJAVUR
6.	SOWBARNIKA SANKARALINGAM	II CSE	PMSIT, THANJAVUR
7.	ASHWINDINKAN	I METH	PMIST, THANJAVUR
8.	JAYA SURIYA S	III CS	MIET ENGINEERING COLLEGE
9.	HARISH PRASANTH P R	II CSE	PMIST, THANJAVUR
10.	ABIRAMI M	II CS	PMIST, THANJAVUR
11.	MANOJRAJ G	II CSE	PMIST, THANJAVUR
12.	ELAKKIYA S	II CS	PMIST, THANJAVUR
13.	MANO SAKTHI T	CSE	PMIST, THANJAVUR
14.	RAJESH KANNA K	CSE	PMIST, THANJAVUR
15.	MUHIL RAM V	II MECH	PMIST, THANJAVUR
16.	VIMAGAN M	II CSE	PMIST, THANJAVUR
17.	KEVIN NATHANEAL	II CSE	PMIST, THANJAVUR
18.	KARTHIESHWAR PA	MECH	PMIST, THANJAVUR
19.	PRAGADEESH R	MCA	PMIST, THANJAVUR
20.	KAMALIKA S K	II MSC	PMIST, THANJAVUR
21.	KANMANI S	III ECE	PMIST, THANJAVUR
22.	SIVA N B	I MECH	PMIST, THANJAVUR
23.	SUKI SANJAI K P	I MECH	PMIST, THANJAVUR
24.	BARATH B	II MECH	PMIST, THANJAVUR
25.	MOHAMED RISATH S	I CSE	PMIST, THANJAVUR
26.	NAVEEN PRASATH B	I MCA	PMIST, THANJAVUR
27.	SATHOESH K	II MECH	PMIST, THANJAVUR
28.	NIVETHA M	III MBA	ADAIKALA MATHA COLLEGE
29.	GANDEVAN V	II MECH	E G S PILLAY ENGINEERING COLLEGE
30.	GOKUL R	II MECH	E G S PILLAY ENGINEERING COLLEGE
31.	GOKULA KRISHNAN	II MECH	E G S PILLAY ENGINEERING COLLEGE
32.	HARIHARAN S	II MECH	E G S PILLAY ENGINEERING COLLEGE
33.	BALA MURUGAN R	II CIVIL	PMIST, THANJAVUR
34.	GOWTHAM A	II CIVIL	PMIST, THANJAVUR



35.	JEEVA R	II CIVIL	PMIST, THANJAVUR
36.	MAHIM A	III B.COM	PMIST, THANJAVUR
37.	VIJAYA LAKSHMI V	III CSE	PMIST, THANJAVUR
38.	HARAN RAMESH R	II CIVIL	PMIST, THANJAVUR
39.	ARUL ENIYAN M B	II CIVIL	PMIST, THANJAVUR
40.	RISHI KUMARAN J	IICSE	PMIST, THANJAVUR



**Coordinator**  
Mr. R. Suresh, AP(SS)/Aerospace



**HoD /Aerospace**  
Dr. I. Karthic Subramaniyan

**The Head**  
**Department of Aerospace Engineering**  
Periyar Maniammai Institute of Science and Technology  
Vallam, Thanjavur - 613 403



## 7. ATTENDANCE

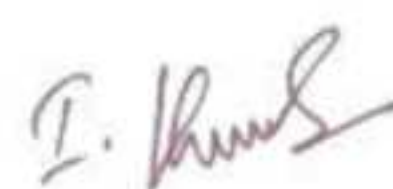
S.NO	Name of Student	Name of Department	Name of Institute	Attendance
1.	APPU S	III MECH	PMSIT, THANJAVUR	Present
2.	SWETHA P	MBA	RAJAH SERFOJI GOVT COLLEGE, THANJAVUR	Present
3.	AFRIN M	MBA	ADAIKALA MADHA COLLEGE, VALLAM, THANJAVUR	Present
4.	RAJESWARI S	MA	BHARATH COLLEGE OF SCIENCE AND MANAGEMENT, THANJAVUR	Present
5.	SHRINITHI C	II CSE	PMSIT, THANJAVUR	Present
6.	SOWBARNIKA SANKARALINGAM	II CSE	PMSIT, THANJAVUR	Present
7.	ASHWINDINKAN	I METH	PMIST, THANJAVUR	Present
8.	JAYA SURIYA S	III CS	MIET ENGINEERING COLLEGE	Present
9.	HARISH PRASANTH P R	II CSE	PMIST, THANJAVUR	Present
10.	ABIRAMI M	II CS	PMIST, THANJAVUR	Present
11.	MANOJRAJ G	II CSE	PMIST, THANJAVUR	Present
12.	ELAKKIYA S	II CS	PMIST, THANJAVUR	Present
13.	MANO SAKTHI T	CSE	PMIST, THANJAVUR	Present
14.	RAJESH KANNA K	CSE	PMIST, THANJAVUR	Present
15.	MUHIL RAM V	II MECH	PMIST, THANJAVUR	Present
16.	VIMAGAN M	II CSE	PMIST, THANJAVUR	Present
17.	KEVIN NATHANEAL	II CSE	PMIST, THANJAVUR	Present
18.	KARTHIESHWAR PA	MECH	PMIST, THANJAVUR	Present
19.	PRAGADEESH R	MCA	PMIST, THANJAVUR	Present
20.	KAMALIKA S K	II MSC	PMIST, THANJAVUR	Present
21.	KANMANI S	III ECE	PMIST, THANJAVUR	Present
22.	SIVA N B	I MECH	PMIST, THANJAVUR	Present
23.	SUKI SANJAI K P	I MECH	PMIST, THANJAVUR	Present
24.	BARATH B	II MECH	PMIST, THANJAVUR	Present
25.	MOHAMED RISATH S	I CSE	PMIST, THANJAVUR	Present
26.	NAVEEN PRASATH B	I MCA	PMIST, THANJAVUR	Present
27.	SATHOESH K	II MECH	PMIST, THANJAVUR	Present
28.	NIVETHA M	III MBA	ADAIKALA MATHA COLLEGE	Present
29.	GANDEVAN V	II MECH	E G S PILLAY ENGINEERING COLLEGE	Present



30.	GOKUL R	II MECH	E G S PILLAY ENGINEERING COLLEGE	Present
31.	GOKULA KRISHNAN	II MECH	E G S PILLAY ENGINEERING COLLEGE	Present
32.	HARIHARAN S	II MECH	E G S PILLAY ENGINEERING COLLEGE	Present
33.	BALA MURUGAN R	II CIVIL	PMIST, THANJAVUR	Present
34.	GOWTHAM A	II CIVIL	PMIST, THANJAVUR	Present
35.	JEEVA R	II CIVIL	PMIST, THANJAVUR	Present
36.	MAHIM A	III B.COM	PMIST, THANJAVUR	Present
37.	VIJAYA LAKSHMI V	III CSE	PMIST, THANJAVUR	Present
38.	HARAN RAMESH R	II CIVIL	PMIST, THANJAVUR	Present
39.	ARUL ENIYAN M B	II CIVIL	PMIST, THANJAVUR	Present
40.	RISHI KUMARAN J	IICSE	PMIST, THANJAVUR	Present



**Coordinator**  
Mr. R. Suresh, AP(SS)/Aerospace



**HoD /Aerospace**  
Dr. I. Karthic Subramaniyan

**The Head**  
**Department of Aerospace Engineering**  
**Periyar Maniammai Institute of Science and Technology**  
**Vallam, Thanjavur - 613 403.**



## 8. SUMMARY

Department of Aerospace Engineering and Association of Aeroptyx organized a national level symposium “ISOPTERONZ 2K25” on 27.03.2025 at PMIST, Thanjavur. Mr. Jeevaranjan Sndareswaran, Founder and CEO, Auraa Aerospace Pvt Ltd, Madurai, participated in the inaugural function and motivated the students of Aerospace Engineering and participants. He is a founder and CEO of a drone based company and shared his experience in drone sector. After the inaugural function, both technical events (paper presentation, CAD Modelling & Aeromodelling) and non-technical events (Photography, Treasure Hunt and AD Zap) have been conducted. Totally 40 participants participated and benefited in this symposium. Finally, in the valedictory function, Dr.V. Violet Juli, Dean Academic & Dr. R. Kathiravan, Dean FET distributed cash prizes and certificates to the participants and winners.



Mr. Jeevaranjan Sundareswaran, delivering his key note address to the gathering





Mr. Jeevaranjan Sundareswaran, delivering his key note address to the gathering



Students & Faculties of Aerospace Engineering



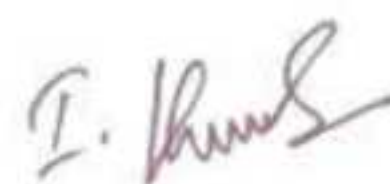
## 9. OUTCOME

After the ISOPTERONZ 2K25 symposium,

- Participants got motivated by cash prizes and certificates.
- Resource person shared his experience with students of Aerospace Engineering and participants.
- Participants were actively participated in both technical and non-technical events and expressed their skills.



**Coordinator**  
Mr. R. Suresh, AP(SS)/Aerospace



**HoD /Aerospace**  
Dr. I. Karthic Subramaniyan

**The Head**  
**Department of Aerospace Engineering**  
**Periyar Maniammai Institute of Science and Technology**  
**Vallam, Thanjavur - 613 403.**

10. CERTIFICATES



**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Established under Govt. Order No. 107/2002 dated 19.02.2002  
WISDOM • INTEGRITY • INNOVATION

ISOPTERONZ-2K25

CERTIFICATE OF ACHIEVEMENT

This is to certify that Ms/ Mr / GOKUL . R of E.G.S. PILLAY COLLEGE OF ENGINEERING, NAGAPPATTINAM has Won I / II / III in CAD Modelling competition conducted during "ISOPTERONZ-2k25" a National Level Symposium organised by the Department of Aerospace Engineering and Association of Aeroptyx (AOA) on 27 March 2025 held at Periyar Maniammai Institute of Science and Technology, Vallam , Thanjavur-613403.



**MR.R.SURESH**  
AP(SS)/AEROSPACE  
CO-ORDINATOR



**DR.I.KARTHIC SUBRAMANIYAN**  
HOD/AEROSPACE  
CONVENER



**DR.R. KATHIRAVAN**  
PROFESSOR/AEROSPACE  
DEAN(FET)





PERIYAR  
MANIAMMAI  
INSTITUTE OF SCIENCE & TECHNOLOGY  
(Established in 1984)  
VALLAM - THANJAVUR - 613403

## ISOPTERONZ-2K25

### CERTIFICATE OF PARTICIPATION

This is to certify that Ms / Mr / Appu . S of PMIST, Thanjavur has participated in Photography competition conducted during "ISOPTERONZ-2k25" a National Level Symposium organised by the Department of Aerospace Engineering and Association of Aeroptyx (AOA) on 27 March 2025 held at Periyar Maniammai Institute of Science and Technology, Vallam , Thanjavur-613403.

MR.R.SURESH  
AP(SS)/AEROSPACE  
CO-ORDINATOR

DR.I.KARTHIC SUBRAMANIYAN  
HOD/AEROSPACE  
CONVENER

DR.R. KATHIRAVAN  
PROFESSOR / AEROSPACE  
DEAN(FET)