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MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
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PROGRAMME REPORT ON

All India Seminar -IEI-Trends in Aviation (Civil & Defence)

Resource Person

**Dr.S.Pandiayan, Former Director, SHAR -ISRO Dr.P.Karupannan
Project Lead, Delta Hub, Startup TN**

Organized by

AERO- PMIST

Name of the programme	All India Seminar On Trends in Aviation (Civil & Defence)
Date	30/08/2024 & 31/08/2024
Venue	Valluvar Hall - PMIST
Number of Participants	70
Resource Person	Dr. S. Pandiyan, Former Director of SDSC SHAR ISRO and Professor at IITM, Dr. P. Karuppanan, Project Lead and Delta Hub Head of Startup TN

Report of the Event:

For the first time in Indian engineering history, an industry-sponsored professional body event was organized by The Institution of Engineers (India), Tamil Nadu State Centre, under the aegis of the Aerospace Engineering Division Board, in collaboration with the Institution of Aeronautics, Astronautics & Aviation. This landmark All India Seminar, titled "Trends in Aviation (Civil & Defence)," took place on August 30-31, 2024, at Periyar Maniammai Institute of Science & Technology, with support from the IEI Thanjavur Local Centre.

The seminar featured technical sessions led by experts, including startup founders from TN Aerospace & Aviation, industry professionals, renowned scientists, and academicians. Key partners included Startup TN, a TN Government organization, and Pullinam Aerospace Technologies, a promising startup. The event was sponsored by notable industries such as Altair, Infinity Arsenal, CADFEM Ansys, and Vimanna Labs India.

Dr. S. Pandiyan, Former Director of SDSC SHAR ISRO and Professor at IITM, and Dr. P. Karuppanan, Project Lead and Delta Hub Head of Startup TN, inaugurated the seminar and unveiled its souvenir. They were joined by Dr. J. Arivudainambi, Chairman of ASDB, IEI; Dr. V. Karthikeyan, Chairman of IEI TNSC; Dr. N. Sivasubramanian, Council Member of IEI; Dr. V. Ramachandran, Vice Chancellor of PMIST; Prof. C. S. Karunakaran, Convenor & Manager of Stepup Incubation, SIMATS; Er. D. Gokul, Hon. Secretary of IEI TNSC; and Dr. N. Venkatachalapathy, Chairman of IEI TJLC on August 30, 2024.

Undergraduate and postgraduate students, research scholars, and academicians from various institutions across Tamil Nadu attended the seminar and presented their research. Along with the inaugural guests and representatives from sponsoring organizations and academicians delivered insightful keynote lectures on civil and defense aviation. Industry and startups exhibited their products like Static scaled down aircraft, Agri Drones, Survey drones and simulation softwares during this seminar which attracted and inspired the participants.

The valedictory function was presided over by Dr. P. K. Srividhya, Registrar of PMIST, who awarded prizes and certificates to the winners. The ceremony was attended by Er. D. Gokul, Hon. Secretary of IEI TNSC; Dr. N. Venkatachalapathy, Chairman of IEI TJLC; Prof. C. S. Karunakaran, Convenor & Manager of Stepup Incubation, SIMATS; Dr. M. Senthilkumar, Professor at KCT; Er. I. Karthic Subramaniyan, HoD of Aerospace at PMIST; and Er. R. K. Muthuraman, Organizing Secretary and Coordinator of the IEI Chapter at PMIST, on August 31, 2024.



All India Seminar Inaugural Function Photo



All India Seminar Valedictory Function Photo

Brochure

The Institution of Engineers (India)
TAMIL NADU STATE CENTRE

In association with
INSTITUTE OF AERONAUTICS ASTRONAUTICS AND AVIATION

Hosted by
PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND TECHNOLOGY

30 & 31 AUGUST 2024



**ALL INDIA SEMINAR ON
TRENDS IN AVIATION
(CIVIL AND DEFENCE)**

**UNDER THE AEGIS OF
AEROSPACE ENGINEERING DIVISION BOARD,
IE(I) TNSC**

CALL FOR POSTERS

All interested participants are requested to contribute technical/ research papers and case studies detailing concept, innovation, idea or practical experiences for oral presentation. Each poster should begin with a synopsis of about 200 words and preferably within 3000 words excluding figures, tables and references. Posters can be sent to ieitamilnadu@gmail.com.

Theme for Poster Presentation

- Civil Aviation Trends
- Defence Aviation Developments Infrastructure and Airports Regional Connectivity
- Airline Industry Trends Training and Skill Development
- Regulatory Framework
- Space Exploration and Satellite Technology
- Defence Procurement and Industry Partnerships
- Green Aviation Initiatives Aviation Finance and Economics
- Digital Transformation in Aviation
- Any other topic related to Aviation

Note: Participants are encouraged to prepare their poster in above topics or any other topics related to aviation

DEADLINE

Abstract Submission : 20th August 2024
Acceptance of Abstract : 24th August 2024
Submission of Poster : 30th August 2024

Registration Fee

IEI Members	INR 500.00
Non-IEI Members	INR 750.00
Research Scholars	INR 500.00
Students	

**** GST 18% Applicable extra****



SCAN QR FOR
REGISTRATION AND
POSTER TEMPLATE

REGISTRATION & PAYMENTS

All payments are to be made through crossed Demand Draft / Cheque / NEFT/Online Net Banking Transfer In favour of "The Institution of Engineers (India), Tamilnadu State Centre". In case of NEFT / Online Net Banking transfer please mention the following

Beneficiary Name : **The Institution of Engineers (India), Tamilnadu State Centre**
Bank : **State Bank of India,**
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Account No. : **30978808105**
IFSC Code : **SBIN0006489**
PAN No. : **AAATT3439Q**
GST No. : **33AAATT3439Q1Z1**

TRAVEL & ACCOMMODATION

All Participants are advised to make their own arrangements for travel, boarding & lodging. For paid accommodation in PMIST please contact 9790240623 (limited, early bird basis)

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CONTACT
Convener,
The Institution of Engineers (India) Tamilnadu State Centre,
19, Swami Sivananda Salai, Chepauk, Chennai 600 005
Ph: 044-2530 0014 / 996750333 E Mail: ieitamilnadu@gmail.com, tnsc@ieindia.org

EVENT PARTNER



PROGRAMME SCHEDULE

DAY 1

SESSION DETAILS	SPEAKERS AND TOPIC	TIME
SESSION 1	Inauguration	9:30 AM - 10:30 AM
TEA BREAK		
SESSION 2	<p>Topic: UAV Indigenization and Way Forward</p> <p>Guest Speaker : Dr S Pandiyan, Former Director SDSC SHARISRO Professor, IIT Madras</p> <p>SESSION CHAIR : DR J ARIVUDAINAMBI, CHAIRMAN,ASDBJE(I)</p> <p>SESSION CO-CHAIR : MR VIGNESH S M, CADFEM ANSYS</p>	11:00 AM - 12:00 PM
SESSION 3	POSTER PRESENTATION	12:00 PM - 01:00 PM
LUNCH BREAK (01.00 PM - 01.45 PM)		
SESSION 4	<p style="text-align: center;">PANEL DISCUSSION</p> <p>Topic: ROLE OF GOVERNMENT, INDUSTRY AND ACADEMIA IN SCULPTING TAMIL NADU AEROSPACE STARTUP ECO-SYSTEM</p> <p>Guest Speakers: Dr P Karuppanan, Project Lead, Startup TN Mr Venkatraj, Founder & CEO, MOBILITYNXT Mr C S Karunakaran, Founder & CEO, PAT Pvt Ltd, Manager StepUp Incubation Centre, SIMATS University Mr R Barathprabu, COO, Vimanna Labs India Pvt Ltd</p> <p>SESSION MODERATOR: Dr A P Aruna, CEO, Periyar TBI</p>	01:45 PM - 02:45 PM
TEA BREAK (2.45 PM - 3.00 PM)		
SESSION 5	<p>TOPIC: Fly High with Altair Simulation</p> <p>Guest Speaker : Mr Karthick Somasekar Application Engineer, ALTAIR</p> <p>SESSION CHAIR : Dr N Sivasubramanian, Council Member,ASDBJE(I)</p> <p>SESSION CO-CHAIR: Dr J Ashokbabu, Chief Aviation Analyst Pullinam Aerospace Technologies Pvt Ltd</p>	03:00 PM - 04:00 PM

DAY 2

SESSION DETAILS	SPEAKERS AND TOPIC	TIME
SESSION 6	<p>Topic: Ansys Simulation's significance in the aviation and defense industries at the component to system level.</p> <p>Guest Speaker : Mr Vignesh S M, Application Engineer, Pre & Post Sales CADFEM INDIA PVT LTD</p> <p>SESSION CHAIR : Dr S Nadraja Pillai, Prof./ Aerospace Engineering, SASTRA (Deemed University)</p> <p>SESSION CO- CHAIR: Er R K Muthuraman, Coordinator, IET PMIST CHAPTER</p>	9:30 AM - 10:30 AM
TEA BREAK (10.30 AM - 11.00 AM)		
SESSION 7	<p>Topic: On going research in electric aviation and SAF towards sustainable aviation</p> <p>Guest Speaker : Mr D Uma Maheshwar, Chief Consulting Engineer GE Aerospace India</p> <p>SESSION CHAIR : Dr M Senthil Kumar, Head/Aeronautical, Kumaraguru College of Technology</p> <p>SESSION CO-CHAIR : Er Karthic Subramaniam, Head/Aerospace, PMIST</p>	11:00 AM - 11:40 AM
SESSION 8	<p>TOPIC: Aviation in India- Challenges ahead</p> <p>Guest Speaker : Dr J Ashokbabu, Chief Aviation Analyst Pullinam Aerospace Technologies Pvt Ltd</p> <p>SESSION CHAIR : Dr C Dhavamani, Head/Aeronautical, Mahendra Engineering College</p> <p>SESSION CO-CHAIR : Er R Barathprabhu, COO, Vimanna Labs India Pvt. Ltd.</p>	11:40 AM - 12:20 PM
SESSION 9	POSTER PRESENTATION	12:20 PM - 01:00 PM
LUNCH BREAK (01.00 PM - 01.45 PM)		
SESSION 10	<p>TOPIC: E-VTOL and Advanced Air Mobility</p> <p>Guest Speaker : Prof Dr S R Chakaravarthy Professor of Aerospace Engineering, Founder, The ePlane Company, IIT Madras</p> <p>SESSION CHAIR : Er C S Karunakaran, Convener & Committee Member, IE(I) TNSC</p> <p>SESSION CO-CHAIR : Dr P Karuppanan, Project Lead, Startup TN</p>	01:45 PM - 02:30 PM
TEA BREAK (02.30 PM - 3.00 PM)		
SESSION 11	<p>TOPIC: ROLE OF PROFESSIONAL FORUMS IN BUILDING AERO STARTUP ECO-SYSTEM</p> <p>Guest Speaker : Prof Dr S Thanigaiarasu Professor, MIT Campus, Anna University</p> <p>SESSION CHAIR : Er D Gokul, Hon. Secretary, IE(I) TNSC</p> <p>SESSION CHAIR : Er S B Shiva Prasath, Head, Youth Entrepreneur Wing, IAAA</p>	03:00 PM - 03:30 PM
SESSION 12	VALEDICTORY	03:30 PM - 04:30 PM



Chittoor Institute of Engineering and Technology
Thiruvananthapuram Local Centre



PERIYAR
MANIAMMAI
INSTITUTE OF ENGINEERING AND TECHNOLOGY
THIRUVANANTHAPURAM
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We Welcome Our Honorable Speakers

30.08.24 & 31.08.24

Valluvar Hall

**All India Seminar on
"TRENDS IN AVIATION (CIVIL AND DEFENCE)"**



Dr. S. Pandiyan
Former Director,
SDSC SHAR, ISRO



Mr. D. Uma Maheswarar
Chief Consulting Engineer,
GE Aerospace India



Mr. Venkatraj
Founder & CEO, MobilityNxt



Dr. S. R. Chakravarthy
Prof./IITM
Founder, e Plane Company



Dr. P. Karupannan
Project lead,
Startup TN



Mr. Karthick Somasekar
Application Engineer,
Altair



Dr. S. Thanigaarasu
Professor/MIT Campus
Anna University



Mr. C. S. Karunakaran
Manager,
Step up Incubation Centre,
SIMATS



Mr. S. M. Vignesh
Application Engineer, Pre & Post Sales,
CAOFEM ANSYS



Dr. J. Ashok Babu
Chief Aviation Analyst,
PATPL



Dr. A. P. Aruna
CEO, Periyar TBI



Mr. R. Bharathprabhu
COO,
Vimanna Labs INDIA PVT LTD.

Participants List

S.No	Name of the Participant	Name of the Institution
1	Abisri	Mahendra Engineering College
2	Sanandhu Santhosh	Pullinam Aerospace Technologies
3	Dharshan R	Mahendra Engineering College
4	Garva Mishra A	Pullinam Aerospace Pvt Ltd
5	ARUNKUMAR M	SASTRA
6	BharathKumar S	Mahendra Engineering College
7	A Subasri	Mahendra Engineering College
8	Suhas c	Mahendra Engineering College
9	SRINITHI T	Mahendra Engineering College
10	SOWMIYA R	Mahendra Engineering College
11	DINESHKUMAR V	Mahendra Engineering College
12	PAVITHRA V G	Mahendra Engineering College
13	B.KEERTHANA	Mahendra Engineering College
14	ABINAYA R	PMIST
15	ADRIAN FERDINAND A C	PMIST
16	ATHIS MITHUN E	PMIST
17	DEEKSHAD K	PMIST
18	DEEPA K	PMIST
19	DHANUSH S	PMIST
20	DHIVYA SRI E	PMIST
21	HARIRAJAN A	PMIST
22	LAYOLA BOBBY WILLIAM M	PMIST
23	MOHAMMED FAHIM F	PMIST
24	MONIKAA M	PMIST
25	PIRANAVAN R	PMIST
26	PRAVEENA V G	PMIST
27	PRIYANKA S	PMIST
28	SAKTHIVEL S	PMIST
29	SANTHOSH K	PMIST
30	SARANYAA S	PMIST
31	SARATHY P	PMIST
32	SHALINI K	PMIST
33	SNEHA RAMESH	PMIST
34	VIJAYA HEMALA P	PMIST
35	YUVASHREE P	PMIST

36	HARI HARA PRIYAN K	PMIST
37	THIRUKKUMARAN V M	PMIST
38	AKASH P	PMIST
39	AKILAN B	PMIST
40	ANANTHARUBINI M	PMIST
41	BHARATHKUMAR P	PMIST
42	CHANDRAKANTH G	PMIST
43	DEVA VAISHNAVI T R S	PMIST
44	DEVANATHAN P	PMIST
45	DHARSINI P	PMIST
46	GURU KARTHIKEYAN S	PMIST
47	JAYA SURYA A	PMIST
48	KUMARAN T	PMIST
49	MOHAMED ANSAR R	PMIST
50	MONISH RAJ G	PMIST
51	MUKILDAS S	PMIST
52	MUTTHAMIZL SELVI M	PMIST
53	NAVEENRAJ P	PMIST
54	NIVETHA S	PMIST
55	RAGHUL B	PMIST
56	SALMAN FARIS S	PMIST
57	SANJAY KUMAR P	PMIST
58	SHARMILA K	PMIST
59	THAJUL HUDHA S	PMIST
60	AKSHAY A	PMIST
61	RAJALAKSHMI S	PMIST
62	GRACY SWEETY L	PMIST
63	ARTAFA	PMIST
64	VISHNU S	PMIST
65	BARNIKA M A	PMIST
66	DEVAN R	PMIST
67	HARIHARAN D	PMIST
68	IRFAN SHAKEEL R	PMIST
69	RAMYA U	PMIST
70	RATHESHMA R	PMIST
71	SAMSU LUGHA J	PMIST
72	SANTHOSH E	PMIST
73	SHARVESH S	PMIST
74	RAVIVARMAN E	PMIST

75	ARCHANA A	PMIST
76	AROKYA PHILIP ASHWIN X R	PMIST
77	BALA SRI G	PMIST
78	CHRISTY RIYASINI JOAN W	PMIST
79	DERSLIN DS	PMIST
80	HARI KRISHNAN G	PMIST
81	HARI KRISHNAN SINGH B	PMIST
82	JAYALAKSHMI P	PMIST
83	KELVIN JOHN N	PMIST
84	KISHOTH YESUDAS	PMIST
85	MOHAMED SAFEEL S	PMIST
86	MUKESH MUTHURAM G	PMIST
87	PAVITHRA NAIR R	PMIST
88	POOJA J	PMIST
89	PREETHIV RAJAN N S	PMIST
90	SURIYAN D K	PMIST
91	GAYATRI KRISHNA GEETHIKA M	PMIST
92	SANJAY S	PMIST
93	SUNDARESAN S	PMIST
94	AFROSE R	PMIST
95	AMALA JELITUS L	PMIST
96	ASWIN C	PMIST
97	DEVAGURU T	PMIST
98	DEVADHARSHINIE M	PMIST
99	DHARANI K	PMIST
100	GAYATHRI K	PMIST
101	HARITHA S	PMIST
102	HARRIS MITHRAN S	PMIST
103	KABILAN M	PMIST
104	KALAIVANAN K	PMIST
105	KEERTHANA M	PMIST
106	KRISHNA SM	PMIST
107	MADHANKUMAR A	PMIST
108	MEHANAZZEHRA M	PMIST

109	MOHAMAD ANAS D	PMIST
110	MOHAMED MUZAMMIL M	PMIST
111	MOHANA PRASAD S	PMIST
112	MURUGANANTHAM S	PMIST
113	TAMILARASAN K	PMIST
114	VIGNESWARAN T	PMIST
115	YUVAN KUMAR S	PMIST
116	POOJA S	PMIST
117	SWETHA M	PMIST



(R.K.MUTHURAMAN)

Coordinator-IEI PMIST CHAPTER



(I.KARTHIC SUBRAMANIYAN)

HEAD/Aerospace Engineering

Certificate

