REPORT OF THE ONE-DAY SEMINAR ORGANISED BY PONDICHERRY STATE CENTRE, PUDUCHERRY FOR PUBLICATION IN WEBSITE

Name of Centre / Overseas Chapter: IE(I) Puducherry State Centre, Puducherry

Title of Activity: *One Day Seminar*

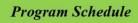
Activity under Divisional Board Production Division Board, IEI

Date: 26.03.2025 Venue: Seminar Hall, Sri Manakula Vinayagar Engineering College

INVITATION



PROGRAM SHEDULE



10.00 a.m.	Invocation
10.02 a.m.	Welcome address: Dr. K. Velmurugan, Dean Research
10.07 a.m. to 10.25 a.m.	Felicitation address: Dr. A. A. Arivalagar, Dean Academics (Core)
	About IEI Seminar: Dr. G. G. Sozhamannan, HOD /Mech
	Address by Chairman: Dr. S. Thirougnaname, FIE,
	Chairman, IEI, PSC
10.25. a.m.	Presidential Address: Dr. L.M. Varalakshmi, HoD ICE,
	IEI Student Chapter
10.30. a.m.	Speaker introduction: Dr. L. Martin, Associate Professor
	Address Guest Speaker:
	Dr. E. Gnana Manoharan
	Associate Professor, ECE
	Annamalai University, Chidambaram
	Shri Vijayaraj Shanmugam
	System Engineer and Machine Design Enthusiast,
	TCS Chennai.
10.50. a.m.	Honouring the dignitaries
10.55. a.m.	Vote of Thanks: Er. K. Soundararajan, FIE,
	Honorary Secretary, IEI, PSC
11.00 a.m to 11.15 a.m	Tea Break
Session – 1	
11.15 a.m to 12.15 p.m	Additive manufacturing and metallization of high-frequency
	communication devices
	Dr. E. Gnana Manoharan
	Associate Professor, ECE
	Annamalai University, Chidambaram
12.15 p.m to 1.15 p.m	Integration of Additive Manufacturing into Traditional
	Production Lines:
	Shri Vijayaraj Shanmugam
	System Engineer and Machine Design Enthusiast, TCS Chennai.
1.15 p.m to 2.00 p.m	Lunch Break

Session-2		
2.00 p.m to 3.00 p.m	Additive Manufacturing in the Semiconductor Industry:	
	Technology Penetration and Roadmap	
	Saravanan. A, CEO,	
	Saravanan Paper Machinery India Pvt Ltd, Puducherry	
3.00 p.m to 3.15 p.m	Tea Break	
3.15 p.m to 4.15 p.m	Advancements in Materials for Additive Manufacturing	
	Dr. Karunakaran, FIE,	
	Associate Professor, Department of Mechanical Engineering,	
	SMVEC	
Valedictory Session		
4.17 p.m.	Welcome address: Dr. K. Velmurugan, Dean Research	
4.22 p.m. to 4.30 p.m.	Felicitation address: Dr. A. A. Arivalagar , Dean Academics (Core)	
	Address by Chairman: Dr. S. Thirougnaname, FIE,	
	Chairman, IEI, PSC	
4.30 p.m.	Presidential Address: Dr. L.M. Varalakshmi, HoD ICE,	
	IEI Student Chapter	
4.40 p.m.	Certificate Distribution	
4.45 p.m.	Vote of Thanks: Er. K. Soundararajan, FIE,	
	Honorary Secretary, IEI, PSC	
****National Anthem ***		



Invocation and **Welcome Address** by Dr. K. Velmurugan (Dean Research)



Felicitation Address by Dr. A. A. Arivalagar (Dean Academics).



Chairman's Address by Dr. S. Thirougnaname (IEI, PSC).



Vote of Thanks by Er. K. Soundararajan.

Photo of Inaugural Session with banner of IEI



Dr. E. Gnana Manoharan discussed additive manufacturing and metallization for high-frequency communication devices.



Dr. Karunakaran discussed advancements in materials for additive manufacturing.



Saravanan A., CEO, presented on additive manufacturing in the semiconductor industry.



Shri Vijayaraj Shanmugam detailed the integration of additive manufacturing in traditional production lines.

Photo of Technical Session

Report of One-Day Seminar/Workshop

Brief Details about the Programme:

The "One Day Seminar" organized by the IE(I) Puducherry State Centre, Puducherry under the Production Division Board, IEI, was held on 26.03.2025 at the Seminar Hall of Sri Manakula Vinayagar Engineering College, showcasing a blend of academic insight and industry expertise in the field of additive manufacturing.

The seminar commenced at 10:00 a.m. with a brief invocation, setting a respectful tone for the day, followed by welcome and felicitation addresses by Dr. K. Velmurugan, Dean Research, and Dr. A. A. Arivalagar, Dean Academics, respectively, which underscored the significance of technological innovation and academic leadership.

Dr. G. G. Sozhamannan provided an introductory overview, outlining the seminar's objectives and the relevance of emerging manufacturing techniques, while Dr. L. Martin played a pivotal role by introducing the guest speakers to the audience.

Special addresses were delivered by Chairman Dr. S. Thirougnaname and a presidential message from Dr. L.M. Varalakshmi, HoD ICE and IEI Student Chapter, emphasizing the necessity of bridging theoretical research with practical applications.

The technical sessions featured comprehensive presentations, with Dr. E. Gnana Manoharan detailing the advancements in additive manufacturing and metallization for high-frequency communication devices, and Shri Vijayaraj Shanmugam discussing the integration of these innovative technologies into traditional production lines.

In the subsequent session, industry perspectives were shared by Saravanan A., CEO of Saravanan Paper Machinery India Pvt Ltd, focusing on the semiconductor industry's adoption of additive manufacturing, and by Dr. Karunakaran from SMVEC, who highlighted advancements in materials tailored for these applications. The seminar concluded with certificate distribution and a vote of thanks by Honorary Secretary Er. K. Soundararajan, followed by the National Anthem, leaving the participants inspired and equipped with new knowledge to drive future innovations.

Details of the Sessions:	
Day-1 (Forenoon) Inaugural Session Inaugural programme, Two invited lectures	 Lecture by: Dr. E. Gnana Manoharan, MIE. Topic: Additive manufacturing and metallization of high-frequency communication device Lecture by: Shri Vijayaraj Shanmugam Topic: Integration of Additive Manufacturing into Traditional Production Lines
Day-1 (Afternoon) Technical Session I Minimum 3 papers or two invited lectures / presentations	 Lecture by: Shri Saravanan. A Topic: Additive Manufacturing in the Semiconductor Industry: Technology Penetration and Roadmap Lecture by: Dr. Karunakaran, FIE Topic: Advancements in Materials for Additive Manufacturing