



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

IANC2024

INDUSTRY ACADEMIA NETWORKING CONCLAVE

Sustainable Technologies For a Better Future

Organized by

School of Mechanical Engineering
&
Career Development Centre



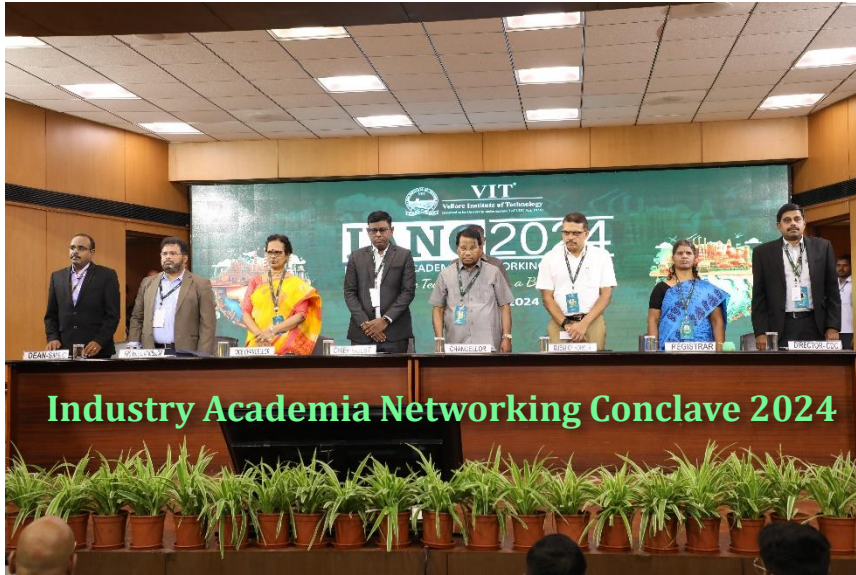
March 07 – 09, 2024

Sponsored by

TRANE
TECHNOLOGIES™



School of Mechanical Engineering



Industry Academia Networking Conclave 2024

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About the Conclave

The Industry-Academia Networking Conclave (IANC) 2024 was organized jointly by the School of Mechanical Engineering and the Career Development Centre on March 07-09, 2024. This three-day conclave was organized at the Vellore Institute of Technology (VIT), Vellore. This conclave provided a forum for discussing and addressing industry-wide issues, as well as galvanizing efforts to develop effective collaborations that would benefit both academics and industry.

Mr. R. Senthil Kumar, Deputy Vice-President (Power Trains), RNTBCI and Mr. Veerendra Vasamsetty, Director R&D, Schneider Electric were the Chief Guest and Guest of Honor of the Inaugural Ceremony of IANC 2024 in the gracious presence of our beloved Chancellor Dr. G. Viswanathan. 11 Memorandum of Understanding were signed during the conclave. Two Panel Discussions and 27 Plenary sessions were held during the conclave with the participation of more than 2000 UG and PG students of the School of Mechanical Engineering.

The three-day conclave witnessed the participation of 996+ students across the schools of VIT Vellore to take part in the technical challenges, Hack-a-Thon and Design-a-Thon events organized by our Industry Partners. The Chief Guest at the Valedictory event of IANC 2024, Shri. Reguraman Ayyaswamy, Senior Vice President of Tata Consultancy Services, presented the awardees with their certificates.

Thematic Areas

- Carbon Neutrality
- Circular Economy
- Digital Transformation towards Industry 5.0
- Future Materials & Manufacturing
- Green Energy Technologies
- Smart Mobility
- Sustainable Healthcare System



Mechanical and Manufacturing Engineering

201-250 World Rank
8-10 Indian Rank

Materials Science

201-250 World Rank
7-9 Indian Rank



449 World Rank



11 Engineering
11 Research
8 University
17 Overall

Organizations Participated

TRANE TECHNOLOGIES	ESS	Honeywell
DASSAULT SYSTEMES	SAINT-GOBAIN	ATHER
NSK	PRIMAEM	VOLEVO
DOVER	EDS	VAIROC
ASHOK LEYLAND	TITAN	Ortholite
WHEELS INDIA LIMITED	SIEMENS energy	ISUZU
NISE	ISUZU	ISUZU
TECHUTJA	TCS	IVS Training & Services
FORBES MARSHALL	CUMI	Danfoss
Brakes India	STEEL1	HYUNDAI
Reliance Digital	TATA TECHNOLOGIES	energy
RECOVA SERVICES	L&T Construction	S. Rajagopal & Co
MESSEN LABS	MOBIS	MOBIS
DEUTSCHE WINDGUARD	servicenow	CARBORUNDUM
Gemini	Life Giver	GKN AEROSPACE
EMERALD	Rajshree	CADFEM
	QIMEDIA	
	KOSTAL	

Memorandum of Understanding



Panel Discussions

Panel Discussions were organised in which the top officials from leading industries took part and shared their views. The themes of the panel discussion were, “Green Energy Solutions for a Better Tomorrow” and “Smart Mobility and Futuristic Technologies”. The panel discussion was well received by students and faculty members. The following officials took part in the panel discussion.

Dr. R. Vasudevan and Dr. Arun Tom Mathew, the faculty members of SMEC were the moderators of the panel discussions.



Mr. Veerendra Vasamsetty
Schneider Electric



Mr. Shreyas Seethapathy
Ather Energy India Pvt. Ltd.



Dr. Arunvel
Saint-Gobain India



Mr. Rabindra Sah
Tata Technologies



Mr. S. Chander
TCS Bengaluru



Mr. Tirumala Rao Koka
Honeywell Aerospace



Dr. P. Shanmugam
CSIR-Central Leather Research Institute



Mr. Mohan Reddy
NLC India Ltd., Neyveli



Dr. Srinivas Rao
Consultant, United Nations Development Programme



Mr. Anant Karegaonkar
Forbes Marshall



Mrs. Keerthi D Souza
Life Giver Professional Service LLP

















Mr. M Noorul Ameen
GSHP



Mr. R. Senthilkumar
RNTBCI

Plenary Sessions

	Topic	Organization	Speaker
Smart Mobility	Electric Vehicles and its Future Prospects	RNTBCI	 Dr. Anand Gurupatham
	Hydrogen Vehicles	VOLVO	 Mr. Makrand Lad
	Hydrogen Vehicles	VOLVO	 Mr. Saravana S
	Hydrogen Vehicles	VOLVO	 Mr. Krishna Kashyap A V
	Unveiling Sustainability for Industrial Applications	Honeywell Sustainability	 Dr. C. Mekala
	Overview and Interactive Session on Electric Vehicles	Ather Energy	 Mr. Rohith Hariharan
	Hybrid Electric Vehicle Technologies	TACO Punch Powertrain	 Mr. Pranad Seth
	Transformation in Automotive Industry	Ashok Leyland	 Dr. A. Ragothaman
Carbon Neutrality	Decarbonization	Trane Technologies	 Mr. Aditya Shrivastava
	Recent progress toward carbon neutrality in the industrial equipment industry	Dover	 Dr. Vivek Srivastava
	Carbon neutrality in Industrial Equipment Industry	NISE	 Dr. P.G. Nikhil
	Carbon Neutrality as a Driver of Innovation in Emerging Markets	Ecofav Services Pvt. Ltd.	 Mr. Sanjay Sharma
	Cross-Sectoral Collaborations for Global Industrial Decarbonisation	TCS	 Dr. Swati Murthy
	Carbon Neutrality	L&T Construction	 Mr. Cibi Chakravarthy N

Plenary Sessions

Theme	Topic	Organization	Speaker
Green Energy Technologies	Wind Turbine Technologies - Advancements & Current Trends	Deutsche Windguard	 Dr. Kumaravel Rathinavel
	Role of Hybrid Technologies in Green Energy, Mainly Wind & Solar Hybrid	Windstream Energy Technologies India Pvt. Ltd	 Mr. Venkat Kumar Tangirala
Sustainability	Sustainable Metallurgy – The Role of Existing Materials in the Hydrogen Economy	TATA Steel	 Dr. Akula Durga Vara Prasad
	Creator Economy	Qitech Media	 Mr. Ankur Shrivastava
	Empowering Healthcare Systems: Designing Sustainable Solutions with Design Thinking”	Servicenow.com	 Mrs. Ami Pankaj Sampath
	Computational Modeling to drive Sustainability in various technology facets	CAD FEM India PVT Limited	 Mr Sai Santhosh
	Urban Air Mobility	Honeywell	 Mr. Srinivas Rao
Industry 5.0	Beyond Industry 4.0: The Synergy of Robotics, Automation, and Human Touch in Manufacturing	Airbus	 Mr. Jegathesan Shanmugam
	Modeling & Simulation Technologies for a Sustainable Future	Airbus	 Mr. Sivaprakash Narayanaperumal
	Digital Transformation towards Industry 5.0.	Messenlabs, ALTAIR	 Mr. Rajesh Krishnan
Future Manufacturing/Aviation	Integrated Facility Management - Utility Systems	GSH	 Dr.Thirugnanasambandam M
	Current and future trends in aviation	GKN Aerospace	 Dr. Soumya Mishra  Dr. Vineet Kumar R
	Digital Product Development of Complex Product(s) - APP	Danfoss	 Mr. Khalid Kaleem

Technical Challenges /Design-a-Thon

Honeywell - Design-a-Thon

Prize Money: INR 1,75,000



Honeywell

Winners of the Event

First Position : 1F5|B|

- Jamal Fowzan P 20BEE0384
- Arvind K 20BME0379
- Siddharth S 20BEE0001

Second Position : Arrow Heads

- Prahlad Krishna M 21BME0668
- Rohit Varma 21BME0222
- Aarya Kedar Sathe 21BME0441
- Himondeep Borkakoty 21BME0126

Third Position Team Kronos

- Swayam Swastik Dash 21BME0231
- Madhav Chopra 21BME0552
- Jitendra Singh 21BME0543

Visionary Dynamics

- Chavan Tejas Ramesh 22MAE0030
- Sharanya Bhat 22MCD0026



Honeywell



Saint Gobain - Technical Challenge

Prize Money: INR 2,00,000



SAINT-GOBAIN

Winners of the Event

First Position : Team Nadaan Parinde

- ❖ Akash Khetan 21BMM0007
- ❖ CV Chinmay Krishna 21BMM0022
- ❖ Prerit Tiwari 21BMM0034

Second Position : Team Jas

- ❖ Aaryan Magnani 21BME0292
- ❖ K Jayant Naidu 21BEI0051
- ❖ Sachita Manna 21BEE0078

Meritorious Positions : Team EcoCraft

- ❖ Pranav Binoy Nair 21BME0044
- ❖ Snehasish Dash 22BME0518
- ❖ Yash Kanna 22BME0647

Precision Engineering

- ❖ Amy Elsa John 21BME0446
- ❖ Alexander Shaji M 21BME0455
- ❖ Akshit Vijayakumar 21BME0471



SAINT-GOBAIN



RANE NSK - Design-a-Thon

Prize Money: INR 30,000



Rane NSK

Winners of the Event

First Position : Team Osprey

- Aditya Abhijit Kunte 21BME0055
- Vyshnav R 21BCT0085
- Aaryan Magnani 21BME0292

Second Position : Team Hyrider

- Archit Mohanty 21BME0196
- Prabhat Dutta 21BME0154
- Gauri Bajaj 21BME0164
- Paritosh Pathak 21BME0629

Rane NSK



Forbes Marshall's Technical Challenge

Prize Money: INR 1,00,000



Winners of the Event

First position: TEAM APT

- Aditya Kothari 21BME0578
- Aditya Abhijit Kunte 21BME0055
- Souvik Mukherjee 21BEC0636
- Rutvij Pandya 21BME0286

Second Position: TEAM THERMAL TITANS

- Naresha Caitanya Daas 21BEI0109
- Ananth SG 21BEI0038
- Jai Bohra 21BEI0016



DASSAULT SYSTEMES - Design-a-Thon

Winners of the Event

First Position: TEAM INITIATORS

- ❖ S. Jagan 21BMM0020
- ❖ B. Yogeshwaran 21BME0533
- ❖ Aravind Sethuraamalingum S 21BME0538
- ❖ A.S. Boopesh 21BME0502



TRANE TECHNOLOGIES – Hack-a-Thon

Prize Money: INR 50,000



Winners of the Event

Meritorious Position: TEAM TTH -02 TWINTEC

- ❖ Madhesh K 20BME0031
- ❖ Vignesh Kumar V 20BCE2642
- ❖ Guruprasath 23BME0127

POSTER PRESENTATION



- Research scholars were allowed to present their works in the thematic areas of IANC 2024 as poster presentations. 46 posters out of 80 posters were selected for presentation.
- The Industry experts evaluated the work done by the students and provided their suggestions for improving the work.
- Industry experts appreciated the research scholar's works and some of the scholarly works shall be taken up for implementation in their organizations



Job Fair



- As a part of the IANC 2024, the Career Development Centre (CDC) organised a Job Fair for Diploma Candidates with more than 20 companies to offer job opportunities
- As a CSR initiative, the CDC facilitated the recruitment drive for Diploma candidates in and around Vellore. More than 300+ Diploma Candidates registered in this job fair.



Glimpses of IANC 2024

11 Memorandum of Understandings	2000 Participation in Plenary Sessions & Panel Discussions	68 Industries Participated	28 Plenary Sessions	04 Design-a-Thon & Hack-a-Thon	02 Tech Challenge
300+ Diploma Students Participated in Job Fair	996 Participation in Technical Challenges	5,55,500 Cash Award		46 Posters Presented	12 Sponsors



Organizing Members



Dr. K. Raja
Associate Professor Sr.,
Convener



Dr. S. Jose
Professor, SMEC
Co-Convener



Dr. Sathish G.P.
Assistant Professor Sr.,
Committee Member



Sakthivadivel D
Associate Professor,
Committee Member



Dr. Balaji K
Associate Professor,
Committee Member



Dr. K Ashok
Associate Professor,
Committee Member



Dr. K. Devendranath Ramkumar
Professor & Dean
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