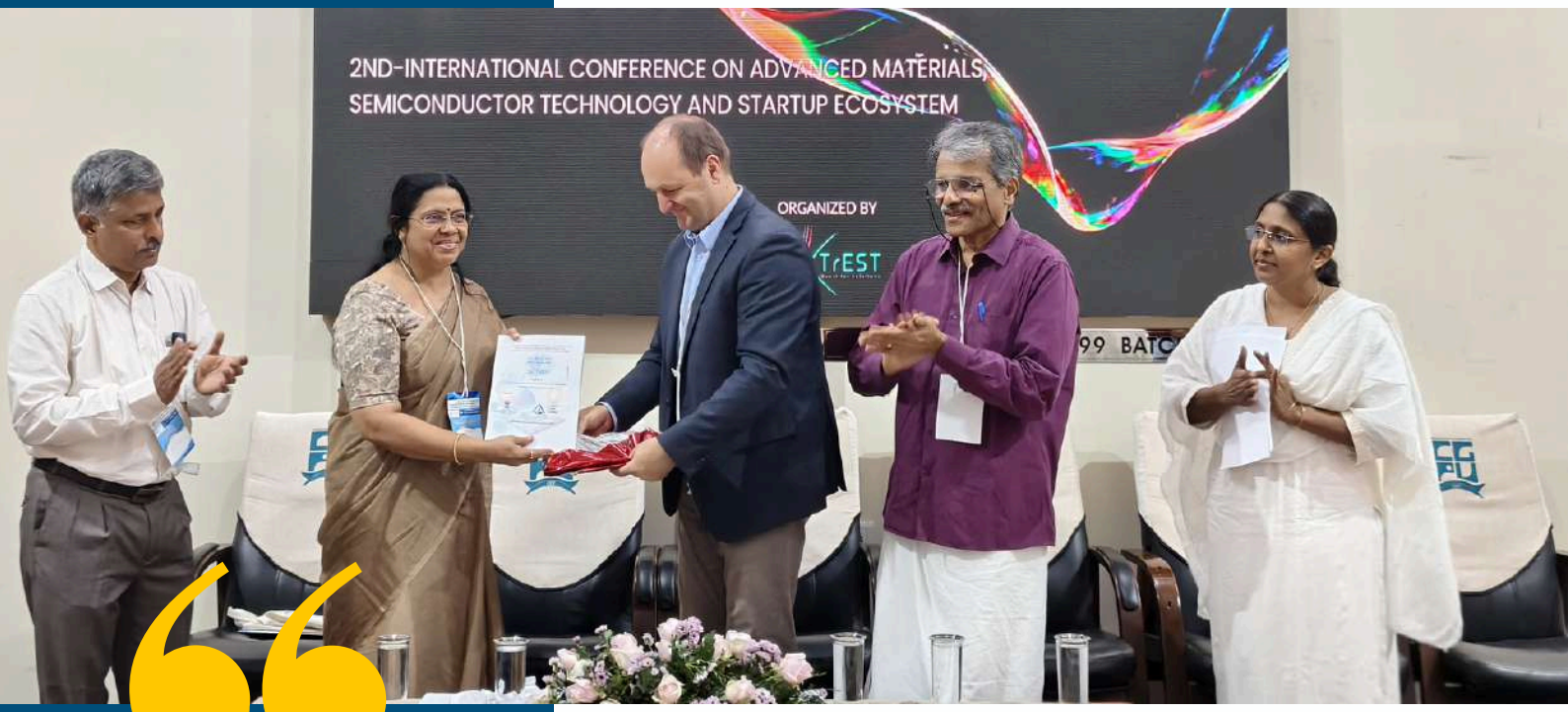
JANUARY 2026

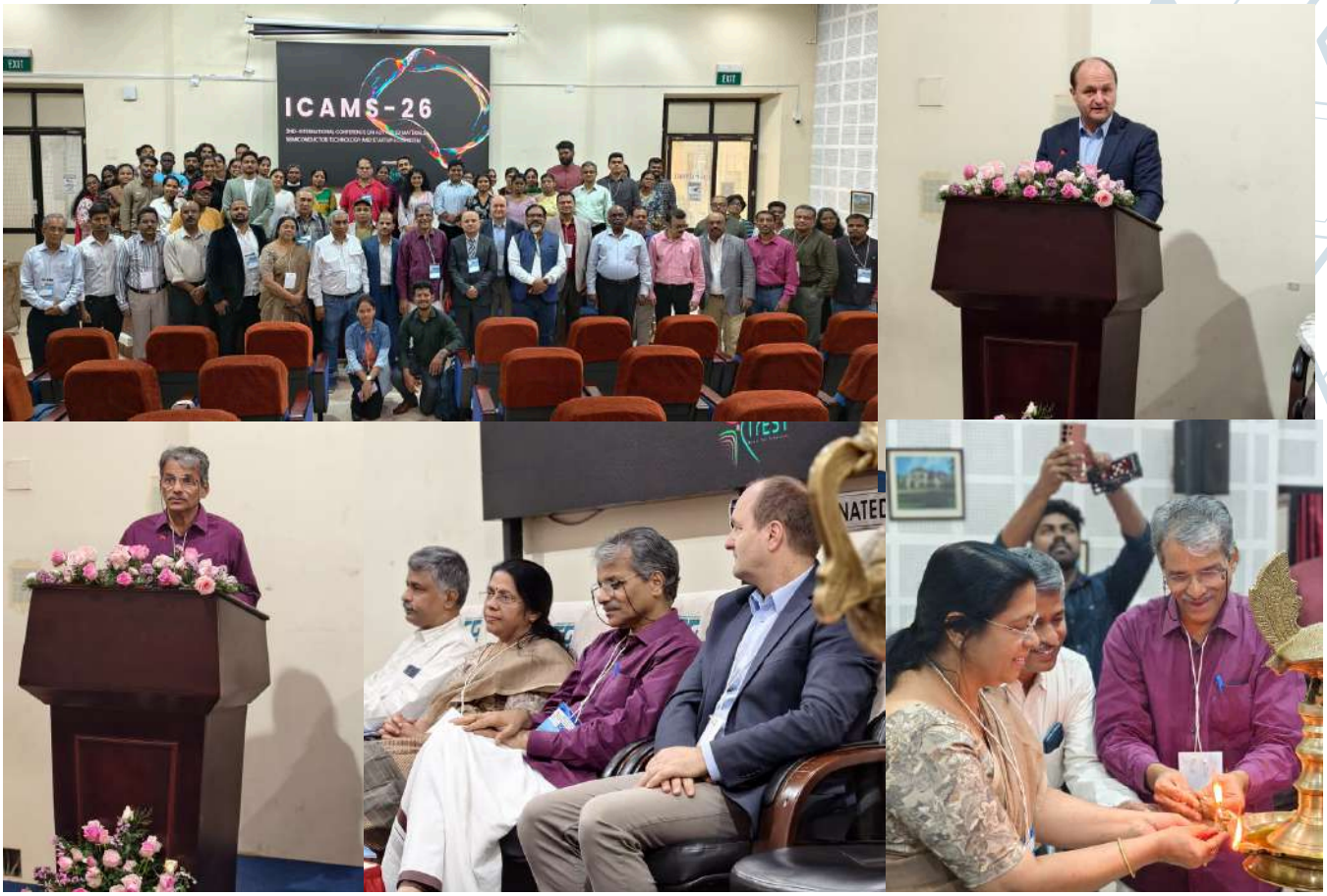
TrEST EXPRESS



INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS, SEMICONDUCTOR TECHNOLOGY AND STARTUP ECOSYSTEM (ICAMS 2026)

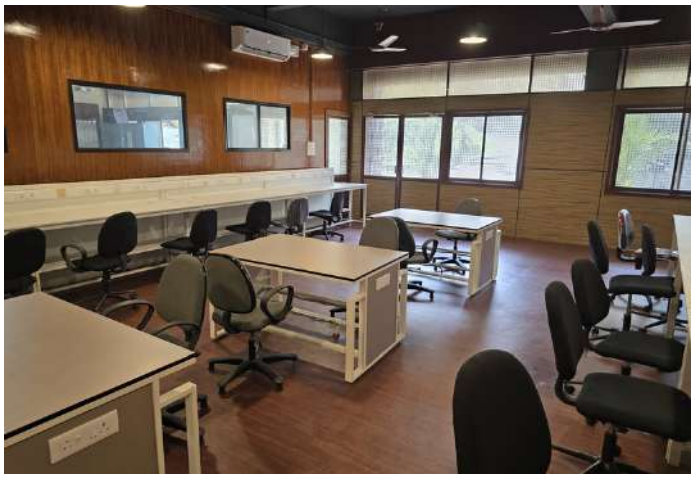
International Conference on Advanced Materials, Semiconductor Technology and Startup Ecosystem (ICAMS 2026) was held from 9–11 January 2026 at the College of Engineering Trivandrum (CET). Organized by TrEST Research Park, the conference brought together academicians, researchers, industry experts, startup leaders, and policymakers from India and abroad. The programme featured plenary lectures, keynote and invited talks, poster presentations, panel discussions, and startup-focused sessions addressing advanced materials, semiconductor technologies, sustainability, healthcare, AI-driven applications, and entrepreneurship.

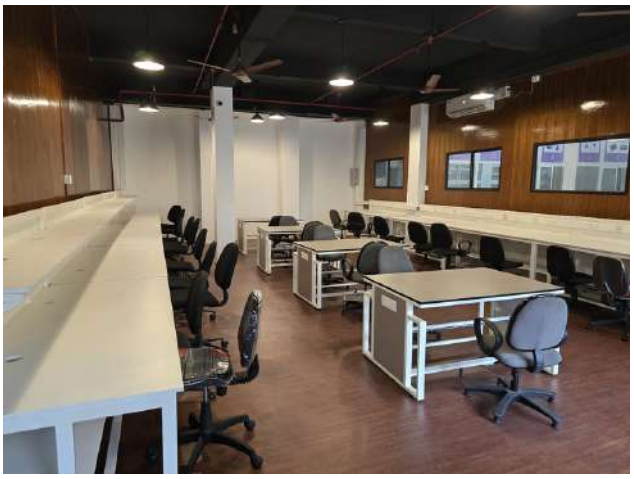
I C A M S - 26



The event was inaugurated by Prof. Szczepan Zapotoczny of Jagiellonian University, Poland, who was also felicitated during the inaugural ceremony in recognition of his outstanding scientific contributions. The Second International Conference on Advanced Materials and Systems (ICAMS 2026), held at CET, witnessed wide participation from IITs, NITs, national research laboratories, international universities, and industry organizations, with delegates from Japan, Poland, the USA, the UK, Malaysia, Russia, and Senegal. By fostering high-quality scientific exchange and international collaboration, the conference highlighted emerging areas such as semiconductor technologies, AI-driven materials research, and startup-oriented innovation, reinforcing ICAMS's position as a sustainable and impactful global academic event.

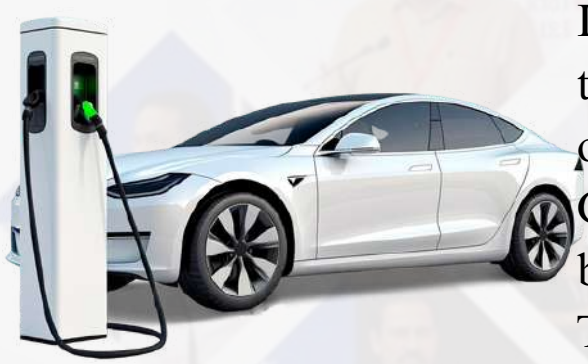
TREST SATELLITE CENTRE AT MBCET





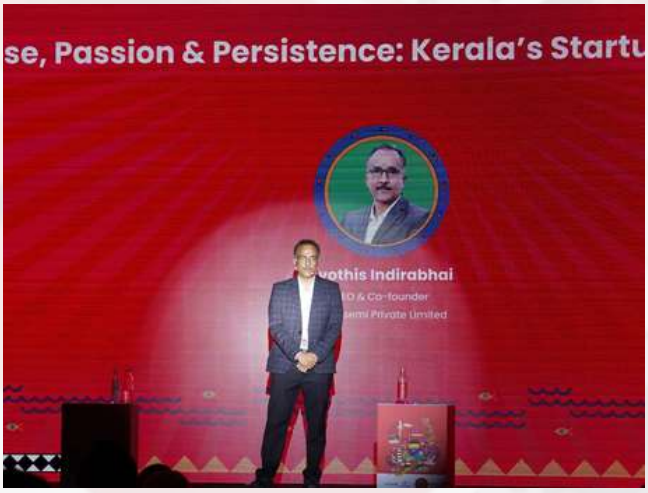
TrEST Satellite Centre at Mar Baselios College of Engineering and Technology (MBCET) has become operational, marking a significant milestone in promoting research, innovation, and industry collaboration on campus. The centre was established with the support and guidance of Dr. S. Viswanatha Rao (Principal), Rev. Fr. John Varghese Palanilkunnathil (Director), Rev. Dr. Koshy Issac Punnamoottil, and Dr. Ushakumari S, along with the faculty and MBCET Management. The centre welcomed Dawnell Industries Pvt. Ltd. as its first industry partner, with more companies expected to join, fostering a dynamic ecosystem for technology development and entrepreneurship.

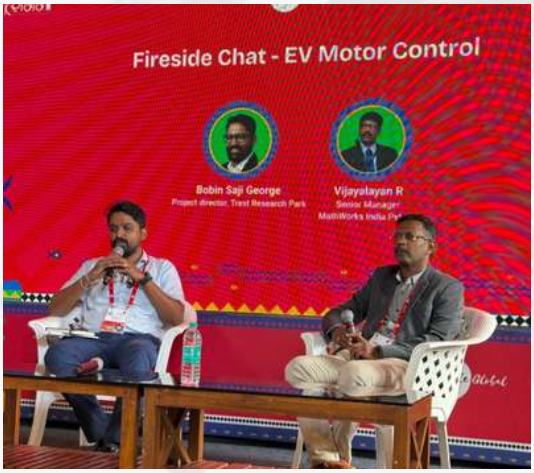
HUDDLE GLOBAL 2025



The launch of the Electric Mobility Innovation Cohort Program by TrEST, with the support of KSUM, was announced as part of EVOLVE – Electric Mobility Innovation Cohort, a six-month accelerator programme by Kerala Startup Mission in partnership with TrEST Research Park at Huddle, focusing on strengthening early-stage innovation in the electric mobility sector.

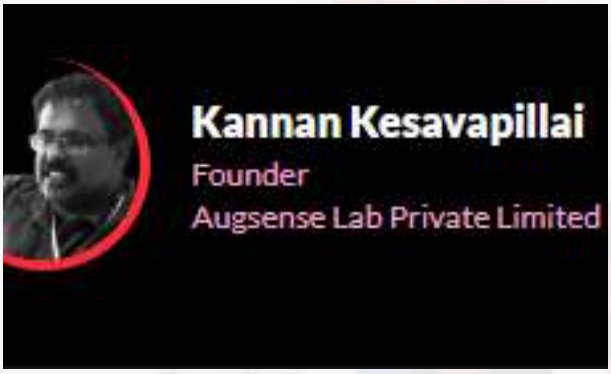
Jyothis Indirabhai, CEO & Co-founder of NetraSemi Private Limited, a TrEST Member Company, participated in the Huddle spotlight session "Purpose, Passion & Persistence: Kerala's Startup Trailblazers", sharing insights from his entrepreneurial journey and leadership experience.





A fireside chat on EV Motor Control, held at Huddle, featured Vijayalayan R (Senior Manager, MathWorks India Pvt. Ltd.) and Bobin Saji George (Project Director, TrEST Research Park), exploring efficient control strategies and industry-ready approaches for electric mobility solutions.

HUDDLE GLOBAL 2025



A fireside chat on "Quantum Technology – Now and Next", held at Huddle, featured Sreekuttan L S(BloqQuantum) and Kannan Kesavapillai (Augsense Lab Private Limited, TrEST Member Company), highlighting current quantum deployments and future roadmaps shaping the technology landscape.

Huddle Global

A Round Table Discussion on "Kerala's Value Addition in the EV Domain", hosted by Kerala Startup Mission (KSUM) at Huddle Global 2025 and coordinated by the Kerala Electric Vehicle Consortium under K-DISC, brought together key stakeholders from government, academia, research, and industry to deliberate on Kerala's electric mobility and energy storage roadmap. The session featured eminent panelists Dr. P. V. Unnikrishnan (K-DISC), Dr. Rajasree M. S. (TrEST Research Park), Dr. M. M. Shaijumon (IISER), Ms. T. D. Mercy (VSSC), and Shri Hari Krishnan D. (Trydan Tech), with active participation from Shri Sudeep Ambarae (ARAI -AMTIF CEO), Dr. V. Chandrasekhar, Dr. Pushparajan Joseph, Dr. Asok Kumar A, Shri Ajith M, Shri Ajish T G, Dr. Christie Thomas Cherian, Mr. Shibudas C K, Ms. Athira V, Dr. Lekshmi Mohan, Mr. Lalu V, Shri Bobin Saji George, Mr. Alvin Joseph, Vipin VC, Dr. Deepa P Gopinath, Dr. Vrinda V Nair, Sri Kuryachan T D, Josin John, Melvin Jacob, Mobin M Mathew, and Shri Bibin John. The discussion highlighted opportunities in LTO-based battery manufacturing, advanced materials, BMS, power electronics, drivetrain testing, and pilot-scale production, reinforcing Kerala's vision to emerge as a national hub for EV innovation anchored by K-EVIP and collaborative institutional efforts.

EVOLVE: ACCELERATING INDIA'S ELECTRIC MOBILITY INNOVATION

EVOLVE, a six-month electric mobility innovation cohort launched by TrEST Research Park in partnership with Kerala Startup Mission, supports early-stage innovators through expert mentorship, advanced testing access, and structured pathways toward market-ready solutions.

FOCUS AREAS IN THE EV SECTOR

Vehicle Design & Manufacturing

Battery Technologies

Charging Infrastructure

Power Electronics & Drive Systems

Energy Storage & Management

Software & Connectivity

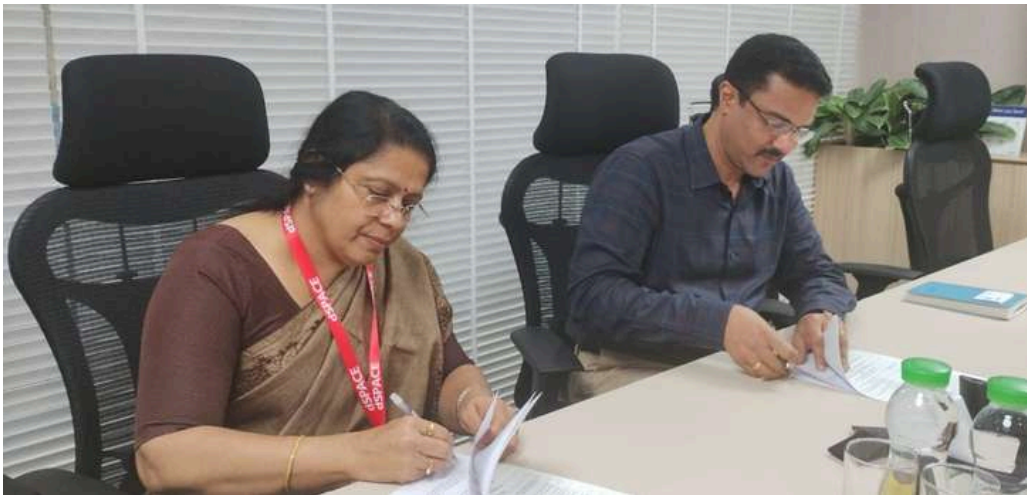
Recycling & Circular Economy

Mobility & Shared Services

Testing, Certification & Compliance

STRATEGIC KSPACE–TREST PARTNERSHIP TO ADVANCE KERALA'S SPACE RESEARCH ECOSYSTEM

Kerala Spacepark (KSPACE) and Trivandrum Engineering Science & Technology Research Park (TrEST Research Park) have signed an MoU to strengthen collaboration in space technology, aerospace, and allied domains. Signed by Shri. G. Levin, CEO of KSPACE, and Dr. Rajasree M. S., CEO of TrEST Research Park, the agreement focuses on joint research, technology development, and capacity building to advance Kerala's innovation ecosystem.



TREST RESEARCH PARK AND DSPACE SIGN MOU FOR ADVANCED ENGINEERING INNOVATION

TrEST Research Park and dSPACE have entered into a strategic collaboration to strengthen advanced engineering education and research. Signed in the presence of Dr. Suresh K (Principal, CET), Dr. Rajasree M S (CEO, TrEST), and Mr. Franklin George (Managing Director, dSPACE), the MoU enables student access to ACE Kits, research kits, RTMaps licenses, SIL lab support, and chip-level development, fostering hands-on learning, innovation, and industry-ready skills.

TREST RESEARCH PARK SECURES SPARC PROJECT IN HIGH-PERFORMANCE NANOCOMPOSITES

IIT, Kharagpur

सत्यमेव जयते

शिक्षा मंत्रालय
MINISTRY OF EDUCATION

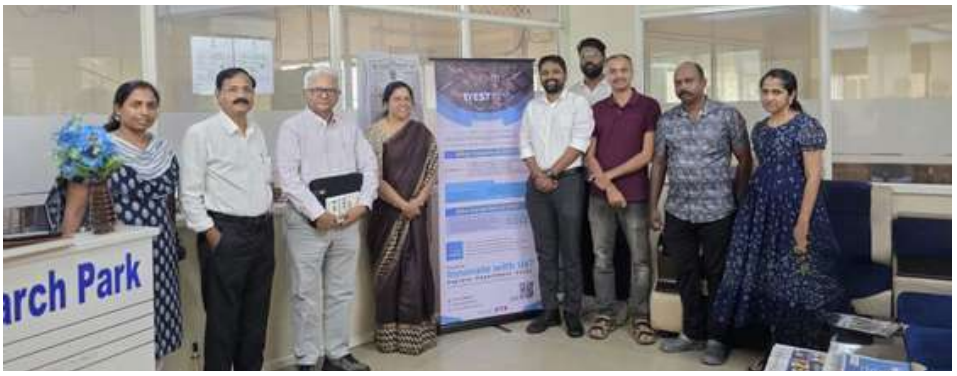
SPARC
Scheme for Promotion of Academic and Research Collaboration

TrEST Research Park has secured a SPARC-funded research project titled “Development of High-Performance Natural Rubber/Graphene Nanocomposites”, sanctioned by the SPARC Apex Committee under the Ministry of Education, Government of India. The project is being implemented in collaboration with CHRIST (Deemed to be University), Bangalore, with Prof. Manoj B serving as Principal Investigator and Prof. Sabu Thomas as Co-Principal Investigator, and includes international collaboration with Rutgers University, USA, involving Prof. N. Sanjeeva Murthy and Prof. Dr. Yong Mao. With a focus on molecular-level insights, the research aims to advance next-generation high-performance elastomeric materials, reinforcing TrEST Research Park’s commitment to advanced materials research and global scientific collaboration.

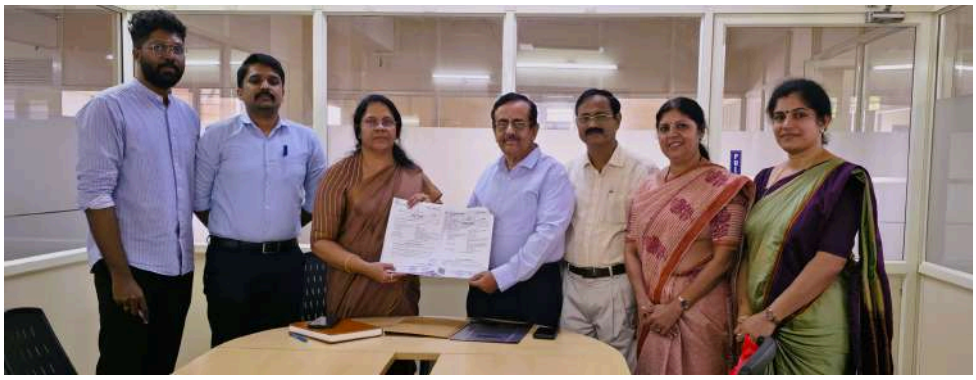
EV:80: INSIGHTS INTO THE FUTURE OF ELECTRIC MOBILITY

The EV:80 session held at TrEST Research Park provided valuable insights into the rapidly evolving electric vehicle ecosystem in Kerala. The session was led by Bobin Saji George, Project Director and Technical Head – Electric Vehicles at TrEST Research Park, who presented a clear and practical perspective on EV infrastructure, ecosystem development, and the future direction of mobility. By effectively linking policy frameworks, technological advancements, and on-ground implementation, the session offered actionable takeaways and reinforced the importance of informed, collaborative efforts in shaping the future of sustainable mobility.

KSIDC CHAIRMAN VISITS TREST RESEARCH PARK



Shri Balagopal Chandrasekhar, Chairman, KSIDC Limited, visited TrEST Research Park, engaging with the team to gain insights into the Park's ongoing initiatives focused on innovation, startup incubation, and technology-driven development. During the interaction, he shared valuable perspectives drawn from his professional journey, offering guidance on leadership, institution building, and supporting entrepreneurship. The visit provided meaningful direction for strengthening the TrEST ecosystem and reinforced its commitment to scaling impact through collaboration and innovation.



TREST–ASIET ACADEMIC–INDUSTRY COLLABORATION

TrEST Research Park has signed a Memorandum of Understanding (MoU) with Adi Shankara Institute of Engineering and Technology, Kalady, to strengthen industry–academia collaboration and promote research-driven innovation. The MoU, signed in the presence of Ms. Rajasree M S, CEO, TrEST Research Park; Dr. Meenakshy K, Director – Academics; Dr. M. S. Murali, Principal; and Dr. Sreepriya S, Dean – Research and Professor, ASIET, aims to foster collaborative research, technology development, skill-building, and innovation-led entrepreneurship, creating enhanced opportunities for students, faculty, start-ups, and researchers.

SOLYIELD FEATURED IN AUSTRALIA–INDIA BUSINESS COMPENDIUM

SolYield, a TrEST Research Park member startup, was featured among the Top 30 case studies in the Australia–India Business Case Studies Compendium, highlighting its work in building intelligent digital platforms for distributed solar systems. The recognition showcases TrEST's global footprint, with SolYield contributing to cross-border innovation and participating in the compendium launch in Melbourne as part of the Australia–India trade engagement.

ENTUPLE E-MOBILITY NAMED NATIONAL WINNER AT NSA 2025

Entuple E-Mobility Private Limited, a TrEST Research Park incubated deep-tech startup, emerged First in India by winning the Urban Mobility Excellence Award at the National Startup Awards (NSA) 2025, instituted by DPIIT. Recognised for its indigenous electric motor and powertrain innovations, the achievement reflects TrEST's role in enabling research-driven startups to deliver scalable, sustainable, and nationally impactful mobility solutions.

AUGSENSE LAB WINS INDUSTRIAL EXCELLENCE AWARD

A TrEST Research Park incubated startup, Augsense Lab, achieved a significant milestone by receiving the Industrial Excellence Award at the inaugural India International Space Enclave 2025, organised by the Indian Space Association (ISpA). The award, received by Kannan Kesavapillai, CEO, Augsense Lab, recognises the company's pioneering contributions in quantum photonics, antenna-less atomic receivers, ELINT, and advanced spaceborne radiometry, underscoring TrEST's growing impact in deep-tech and space innovation.

OUR NEW STRATEGIC PARTNERS

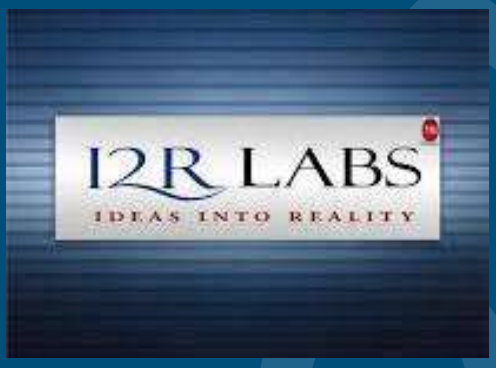
dSPACE develops simulation and validation solutions for testing and verifying complex control and embedded systems, particularly in automotive and electric mobility applications.

TANSAM (Tamil Nadu Smart and Advanced Manufacturing) is a state-of-the-art Industry Centre of Excellence, powered by Siemens, a global leader in digital transformation solutions.

OUR NEW MEMBERS

Dawnell is a pioneering startup with a vision to transform industries for the future. We focus on products and services related to digital manufacturing, along with domain-specific engineering inventions and solutions.

OUR NEW MEMBERS



i2r Labs (Innovation to Reality Labs) was a Bengaluru-based Indian company specializing in electronic components, telecom modules, and engineering consultancy,

A diverse team united by a shared passion for climate change mitigation and a deep belief in the power of digital technology. We strive tirelessly to stay useful and create solutions that are not only innovative but also genuinely beneficial to our planet and its people.

SolYield

CAMPUS CONNECT

PERSPECTIVES ON KERALA'S EMERGING ELECTRIC MOBILITY ECOSYSTEM

The EV:80 session at TrEST Research Park offered a crisp and insightful overview of Kerala's growing electric vehicle ecosystem, featuring an engaging session by Bobin Saji George, Project Director & Technical Head – Electric Vehicles, who clearly connected EV infrastructure, ecosystem development, and the future of mobility by aligning policy, technology, and real-world execution, making the discussion both relevant and actionable while fostering meaningful interaction among participants and strengthening the region's evolving EV community.

CAMPUS CONNECT

INTERNSHIP OPPORTUNITIES IN EV AND SEMICONDUCTOR TECHNOLOGIES

TrEST Research Park facilitated structured internship opportunities in the electric vehicle and semiconductor domains, offering students hands-on exposure to industry-relevant technologies and real-world engineering challenges. In the EV stream, participants worked on EV motor electromagnetic analysis using ANSYS Maxwell, NVH and vibration studies, motor control algorithms, battery management systems using MATLAB/Simulink, and system-level simulations. The semiconductor track covered CMOS inverter design and simulation using Cadence, layout design with DRC/LVS verification, RTL power optimization, digital system implementation such as a 4-bit ALU using Verilog, and SPICE-based device simulations. Through close mentorship from researchers and industry professionals, the programme strengthened practical design, simulation, testing, and validation skills while reinforcing industry–academia collaboration and future-ready talent development.

WEBINAR ONADVANCED TRAINING SERIES ON ANALOG & DIGITAL TOOL FLOW IN CADENCE

Advanced Training Series on Analog and Digital Tool Flow, curated by TrEST Research Park, delivered an industry-aligned learning experience in modern IC design. The four-session webinar engaged 350+ participants from leading institutions including the IIT Varanasi, IIT Hyderabad, NIT Warangal, NIT Karnataka,Government College of Technology ,College of Engineering Trivandrum, Government Engineering College Sreekrishnapuram, Rajiv Gandhi Institute of Technology, Sree Chitra Thirunal College of Engineering, Model Engineering College . Participants received hands-on exposure to full-custom and semi-custom IC design workflows using Cadence EDA tools, covering CMOS inverter-based analog design and a complete digital RTL-to-silicon flow with RTL design, synthesis, Innovus-driven physical implementation, and timing and power analysis.

CAMPUS CONNECT

TREST INTERN ACHIEVES INTERNATIONAL RESEARCH RECOGNITION

TrEST Research Park intern Anandu S Nair achieved a significant academic milestone by presenting his research paper at the 2nd IEEE Conference on Electrical, Electronics, Communication and Computers (ELEXCOM-2025). Guided by Bobin Saji George, Technical Head – EV, the work highlighted strong academic rigor and practical relevance, reflecting TrEST Research Park's mentorship-driven research culture and its commitment to nurturing young talent through IEEE-supported platforms.

PROJECT EXPO | INVENTO 2026

The Project Expo, held on 30 January 2026 as part of INVENTO 2026, was organized by the TrEST Research Park Satellite Centre at Government Engineering College, Palakkad, in association with the IEEE Student Branch GEC Palakkad. Coordinated under Dr. Vinita Chellappan, the expo showcased student-led, hardware-based projects on assistive technologies, disaster communication, smart safety solutions, and sustainable engineering aligned with the UN SDGs. Students from GEC Palakkad, GEC Thrissur, NSS College of Engineering Palakkad, Saintgits, Amal Jyothi, Mar Athanasius, Vidya Academy, and IIIT Kottayam participated, making it a focused platform for innovation and collaborative learning.

TrEST Research Park invites academicians, founders, investors, and industry professionals to be part of the Mentor Network @ TrEST, an initiative aimed at supporting startups through structured mentorship, knowledge sharing, leadership engagement, and access to emerging technologies, contributing to the growth of Kerala's innovation and entrepreneurial ecosystem.

👉 Join Mentor Network Now: Apply Now