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**REACHING
NEW
FRONTIERS:
TREST'S
EXPANSION
TO GEC
PALAKKAD**

TrEST Research Park begins an exciting new chapter with the inauguration of its Satellite Centre at Government Engineering College, Palakkad. The event, graced by Hon'ble Minister Dr. R. Bindu, marks a significant stride in strengthening the link between academia and industry. With the signing of an MoU by Dr. K. R. Remesh Babu and Dr. Rajasree M. S., this collaboration sets the stage for a new era of student-driven innovation where local talent and ideas evolve into solutions with global impact.

POWERING INNOVATION - NETRASEMI'S \$12.5M BOOST FOR EDGE-AI SOCS

Netrasemi Pvt Ltd, one of TrEST's resident companies, has raised \$12.5 million (₹107 Cr) in its Series A round, led by Zoho Corporation and Unicorn India Ventures. The funding is set to accelerate R&D, scale manufacturing, and support four advanced SoC variants for AI-driven surveillance, industrial robotics, and smart infrastructure. The funds will help accelerate R&D, scale manufacturing and expand global reach. Supported by MeitY's DLI and C2S programs, along with TrEST Park, IIMK LIVE, and Kerala Startup Mission, Netrasemi credits its growth to its investors, partners, and stakeholders, who are driving India's future-ready semiconductor innovation.

Augsenselab, one of TrEST's resident companies, has secured ₹4.2 crore in funding from Emul Tek, a subsidiary of Solar Group—developer of the Bhargavastra counter-drone system tested during Operation Sindoor.

Specialising in remote and quantum sensing, and home to India's first private quantum sensing lab in Thiruvananthapuram, the startup will use the funds to advance research in cutting-edge defense technology.

QUANTUM LEAP: AUGSENSELAB BAGS ₹4.2 CR FUNDING



FOSTERING INNOVATION: PRINCIPAL SECRETARY TOURS TREST



Dr. Sharmila Mary Joseph IAS, Principal Secretary of Higher Education and Co-Chairperson of TrEST, visited TrEST Research Park to engage with its staff and resident startups, including AugSense, Netrasemi, and Entuple. Her tour highlighted the park's role as a launchpad for innovation, entrepreneurship, and transformative growth in Kerala's deep-tech ecosystem.



Mr. Sidharth Narayanan, Senior VP & Chief Industry Officer at Invest India, engaged TrEST members on investment opportunities in India and Kerala, focusing on ESDM, Defence, and emerging tech, and facilitated networking and mentorship for startups.

INVEST INDIA'S SENIOR VP SHARES GROWTH INSIGHTS AT TREST



DECENTRALIZING INNOVATION: TREST SATELLITE CENTRE OPENS AT MBCET



In partnership with MBCET, TrEST inaugurated its first Satellite Centre, offering startups and students access to digital infrastructure, mentorship, and industry networks. The initiative aims to decentralize innovation, foster academic-industry collaboration, and nurture Kerala's next generation of entrepreneurs.



TrEST and Kerala Startup Mission signed an MoU to accelerate innovation and bridge research with market-ready solutions. Startups like Netrasemi and AugSenselab were highlighted as "future unicorns," by KSUM CEO showcasing Kerala's rising tech potential at TrEST Park. The partnership aims to create a robust ecosystem that nurtures deep-tech talent and drives sustainable growth.

TrEST resident company Trizlabz was selected for the Venture Catalyst Space program by ICC South Australia and the University of South Australia (UniSA). The team showcased its advanced navigation stack and vision for collaborative traversability mapping, earning recognition as a promising player in the space-tech sector. This milestone provides Trizlabz with mentoring, resources, and access to global networks, strengthening its role in the growing space innovation ecosystem and positioning it for international collaborations.



TRIZLABZ JOINS VENTURE CATALYST SPACE BY UNISA & ICC SOUTH AUSTRALIA



TrEST Research Park has appointed Ernst & Young to prepare the master plan and DPR for Kerala Electric Vehicle Industrial Park at Vilappilsala. Spanning 23 acres of the TrEST campus near Kerala Technological University, the park aims to attract startups and companies, fostering innovation, collaboration, and sustainable mobility in Kerala. Construction is expected to begin pending government approval.

TREST EV PARK: EY ONBOARD AS PROJECT CONSULTANT

TREST HOSTS NATIONAL STARTUP DAY “TREST INNOVATION VORTEX”



OVER 65 STUDENTS GAIN HANDS-ON EXPERIENCE AT TREST



TrEST Research Park hosted “TrEST Innovation Vortex” to celebrate National Startup Day. The event featured expert sessions by Dr. Nishar Hameed and Dr. Nisa Salim from Swinburne University, and Mr. Jyothis Indirabhai, CEO of Netrasemi, covering topics from advanced materials to India’s semiconductor startup ecosystem. TIERA pvt ltd and Entuple E-Mobility pvt ltd showcased innovations in test solutions and electric vehicle technology. The day concluded with an interactive forum for students to engage with experts, emphasizing innovation, sustainability, and entrepreneurship.

Over the past year, more than 65 students completed internships at TrEST Research Park and its resident companies across domains like embedded systems, power electronics, signal processing, PCB design, etc. These internships offered hands-on experience, exposure to real-world projects, and insights into emerging technologies, reflecting TrEST’s commitment to nurturing future talent and practical learning in cutting-edge fields.

CHRIST UNIVERSITY AND TREST RESEARCH PARK FORGE PARTNERSHIP

CHRIST (Deemed to be University) and TrEST Research Park signed an MoU to strengthen research and innovation partnerships. Signed by Dr. Anil Pinto, Registrar of CHRIST, in the presence of key university and TrEST leaders, the collaboration aims to promote joint research, academic exchange, and technology-driven innovation, bridging academia and industry.



TrEST Research Park and MuLearn Foundation signed an MoU to enhance collaboration in innovation, research, and skill development. The event, attended by Dr. Rajasree M. S., CEO of TrEST, Mr. Deepu S. Nath of FAYA, and Jyothis Indirabhai, CEO- Netrasemi also saw active participation from CET's Interest Group's, highlighting the growing synergy between academia, industry, and startups.

TREST RESEARCH PARK AND MULEARN FOUNDATION JOIN HANDS FOR INNOVATION

TREST IGNITES INNOVATION: PARTNERING WITH ARAI AND K-DISC TO DRIVE MOBILITY GROWTH

NAVIGYAAN 2025: DRIVING INNOVATION WITH TREST



TrEST Research Park, ARAI, and K-DISC signed an MoU to advance e-mobility, automotive R&D, skill development, and startup growth in Kerala. The ceremony, attended by distinguished dignitaries including Dr. K. M. Abraham, Dr. Rajasree M. S., and Dr. V. Chandrasekar, marked a commitment to joint projects, technology transfer, and initiatives that strengthen the state's mobility ecosystem.



In collaboration with ARAI-AMTIF at CET Trivandrum, TrEST motivated students to transform ideas into solutions in mobility and allied technologies. Speakers Dr. Reji Mathai, Shri Yogesh Bhateshvar, Mr. Nilesh Choube, Dr. Rajasree M. S., Shri Sreekumar V., and Dr. Suresh Kumaraswamy shared insights on automotive innovation and future mobility, highlighting TrEST's role in empowering students and advancing research in Kerala.

LBSCEK HOSTS NORKER GENESIS 2.25: LAUNCH OF TREST SATELLITE CENTRE & EV CLUB



EV SYNERGY 2025: ADVANCING KERALA'S EV ECOSYSTEM



LBSCE Kasaragod Hosts NORKER GENESIS 2.25: In collaboration with TrEST Satellite Centre LBSCEK and DIC Kasaragod, the two-day conclave promoted research, innovation, and industry-academia collaboration. Dr. Rajasree M. S., CEO of TrEST, inaugurated the TrEST Satellite Centre, EV Club, and Industry Clinic, highlighting student-led EV initiatives and decentralized research. Shri Bobin Saji George showcased TrEST's facilities, reinforcing the mission to empower talent and bridge academia with industry in Kerala.

K-DISC and C-DAC Thiruvananthapuram hosted EV Synergy 2025, launching new EV Battery Packaging Facilities and showcasing the EV Consortium's progress. TrEST Research Park, led by Dr. Rajasree M. S., played a key role in driving industry-academia collaboration and EV innovation. Shri P. Rajeev, Hon'ble Minister for Industries, inaugurated the facilities and released a report on Thermal Management of LTO Batteries, marking a major step toward Kerala's sustainable mobility future.

CAMPUS CONNECT

Internships Fueling Innovation

Students from various colleges have taken up internships at TrEST Research Park, gaining exposure to advanced domains like semiconductors, electric vehicles, sensor integration, data analytics, and signal processing. One intern's research work titled "A Comprehensive Study on Dynamometer Modeling for High-Power Electric Vehicle Motors" was presented at iTEC INDIA 2025, organized by SAEINDIA and ARAI. Many others continue to work under TrEST Fellows, contributing to impactful research and innovation.

Webinar on EV Motor Dynamometer Modeling

TrEST Research Park, in collaboration with MathWorks, organized a webinar on "Modelling of EV Motor Dynamometer using MATLAB/Simulink." Experts Raghunath Rachabattuni, Shivaprasad Narayan, and Debanand Singdeo led interactive sessions covering EV Motor Modeling, Control Development, VirtualDynamometers, and Hardware Implementation. Attendees also got an exclusive preview of Kerala's first Drive Train Lab at TrEST, marking another step forward in the state's EV research ecosystem.

Session on Emerging Defence Technologies

Mar Baselios College of Engineering and Technology, in association with ASME Student Chapter, TrEST Research Park, and Kerala Startup Mission, hosted a session on "Emerging Defence Technologies and Its Opportunities."

Delivered by Cmdr (Dr.) Jayakrishnan N Nair (Retd), CEO of DRaS, the session explored AI, robotics, autonomous systems, and cyber defence shaping the future of national security. With 150+ participants, the event inspired students to explore avenues in defence research and innovation.

IN PIPELINE

TrEST Research Park Joins Landmark EU–India Project on Waste-to-Renewable Hydrogen Innovation

TrEST Research Park has proudly joined a prestigious international consortium under the Horizon Europe framework through the project “**EU–India Cooperation on Waste-to-Renewable Hydrogen Innovation (HORIZON-CL5-2025-04-D2-13)**”. This ambitious initiative brings together leading academic and industrial institutions from **Europe and India** to pioneer cutting-edge technologies for transforming waste streams into renewable hydrogen, marking a major step towards global sustainability and clean energy transitions.

The project is coordinated by the Jožef Stefan Institute (JSI), Slovenia, with Amrita Vishwa Vidyapeetham (AMR), Coimbatore, serving as the Indian coordinator. The distinguished consortium includes:

- CNRS–University of Orléans (France)
- TH Köln and Bergische Abfallwirtschaftsverband (Germany)
- Kolektor (Slovenia)
- Iceland Scientific (Iceland)
- Mahatma Gandhi University (India)
- TN Enviro (India)
- Mysore Ammonia Envirotech Pvt. Ltd. (India)
- TrEST Research Park (India)



CALLING ALL STARTUPS AND INNOVATORS !

**ARE YOU LOOKING FOR AN ECOSYSTEM THAT
EMPOWERS YOUR INNOVATION JOURNEY?**

**BE A PART OF
TREST RESEARCH
PARK AND
ACCELERATE
YOUR GROWTH !**

OUR KEY OFFERINGS:

- ACCESS TO STATE-OF-THE-ART LABS AND INFRASTRUCTURE
- R&D SOFTWARE SUITES, TOOLS, AND RESOURCES
- HIGH-END COMPUTATIONAL AND TESTING FACILITIES
- PERIODIC MENTORING BY DOMAIN, BUSINESS, AND IP EXPERTS
- BUSINESS CONNECTS WITH GOVERNMENT AGENCIES, CORPORATES, AND INVESTORS
- COMPREHENSIVE STARTUP SUPPORT ECOSYSTEM
- ACCESS TO STUDENT TALENT AND RESEARCHERS

**APPLY
NOW**

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TrEST Invites You!



Greetings !!!

Your expertise has the power to spark the “next big innovation story”.

We are thrilled to invite you to join the Mentor Network @ TrEST – where leaders guide startups, spark innovation, and shape Kerala’s entrepreneurial future!

Why Join the Mentor Network @ TrEST?

- 🌟 Be the Catalyst – Guide founders from idea to impact.
- 🤝 Connect with Leaders – Network with top minds, VCs & innovators.
- 🏆 Get Recognized – Be featured in events and media spotlights.
- 🚀 Stay Ahead – Access disruptive tech and groundbreaking startups.
- 💡 Create Impact – Watch your mentees grow and succeed.

Whether you’re an academic, founder, investor, or expert – TrEST Mentor Network is your platform to inspire, connect, and shape Kerala’s innovation future.

– Team TrEST



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