

Dear ,



TECHNOLOGIES FOR A BETTER TOMORROW

A CSR Bulletin by IIT Madras

From Prototype to Market Across India



India's evolving energy landscape needs more than new ideas, it needs the right support to turn them into practical, scalable solutions. To enable this, **IIT Madras and Chevron India** have launched the **Chevron-IITM Energy Technology Incubation Program** to help promising deep-tech start-ups turn energy innovations into scalable solutions.

The programme will support early- and growth-stage ventures through milestone-based funding, structured mentorship and access to IIT Madras' research and entrepreneurship ecosystem.

From prototype development and customer discovery to market readiness, scale-up and fundraising, selected teams will receive support tailored to where they are in their journey.

A Pan-India call for applications will invite innovators, researchers, student teams, and social entrepreneurs across the country, building a stronger pipeline of energy technology ventures for the future.

Driving Innovation Together

CSR PROJECT SHOWCASE

Turning Construction Challenges into Smart Solutions



Construction is evolving rapidly, but many processes still remain manual, creating a need for smarter, safer and more efficient technologies.

IIT Madras, in collaboration with Bechtel Corporation, is bringing robotics and automation closer to real construction environments through a new state-of-the-art **Construction Robotics Laboratory**.

The lab will bring students, researchers and industry experts together to work on real-world construction challenges, develop prototypes and test technologies for practical deployment.

The partnership will also offer industry mentorship, curriculum inputs and internship opportunities for selected students.

By connecting academic research with industry needs, the initiative aims to accelerate innovation while building future-ready talent for India's infrastructure and engineering sectors.

CSR SPOTLIGHT

Building Better Health Outcomes for Women and Children



India continues to face major gaps in women's and child healthcare. High-risk pregnancies, maternal and neonatal complications, reproductive disorders, breast cancer, and menopause-related conditions affect millions, while access to specialised diagnostics and preventive care remains limited, particularly in rural and underserved communities.

IIT Madras proposes to establish a **Centre for Women's and Child Health** that brings clinical expertise, advanced research, imaging, genomics, computational modelling, and digital health together under one interdisciplinary platform. The Centre aims to enable earlier diagnosis, personalised interventions and better health outcomes across different stages of a woman's life, while also advancing maternal and fetal healthcare.

The Centre will focus on:

- Maternal and fetal diagnostics and interventions
- Reproductive and gynaecological health
- Breast cancer screening and research
- Peri- and post-menopausal health
- AI-enabled imaging and predictive diagnostics
- Digital health solutions for underserved communities

Be Part of the Solution

NEWS AND EVENTS

IIT Madras Researchers Develop a New Cooling Design to Protect Electronics from Overheating



As our phones, laptops and other electronic devices become more powerful, they also generate more heat, which can affect their performance and lifespan.

Researchers at IIT Madras have developed a new cooling design that can help electronic devices manage heat more effectively, especially in compact spaces. The approach could support better cooling in everything from everyday gadgets and data centres to electric vehicles and defence systems.

See How It Works

PARTNER SPEAK

"We chose to partner with IIT Madras for a project linked to Liquid Waste Management, considering its expertise in the area, credibility in the sector, alignment of purpose for scalable and sustainable solutions for rural India, and the passion of the team to engage with government and stakeholders to further the cause. We are delighted with the progress, especially the depth and rigour, and more importantly, the personal on-ground time commitment of Prof Ligy Philip and her team. We look forward to similar partnerships with IIT Madras."



Mr. Prabhakar L
Executive Vice President &
Head - Social Investments
ITC Limited

We would love to hear from you!

We trust you enjoyed perusing our CSR Newsletter Bulletin!

Do get in touch and let us know your thoughts. We look forward to hearing from you!

An initiative by the
Office of Institutional Advancement, IIT Madras

