



TECHNOLOGIES FOR A BETTER TOMORROW

A CSR Bulletin by IIT Madras

IIT MADRAS AND FEDEX LAUNCH CENTER OF EXCELLENCE FOR SMART AND SUSTAINABLE SUPPLY CHAINS

'FedEx Centre of Excellence for Smart and Sustainable Supply Chains', supported by a 5-year grant from FedEx. This industry-academia initiative, inaugurated by FedEx President Raj Subramaniam, aims to drive sustainability in logistics through research, innovation, and capacity building programs. Through collaborations with stakeholders across the ecosystem, the **FedEX CoE seeks to revolutionize global supply chains towards efficiency and environmental sustainability.**



Key areas of focus of **FedEX CoE** are:

- **Digital Transformation**
- **Operations Research**
- **Network Optimization**
- **Optimization Efficiency**
- **Solving complexities of cross border logistics**

Connect with us to enable greener future through tech-powered sustainability partnerships!

CSR PROJECT SHOWCASE



CARBON ZERO CHALLENGE



Potential impact of some of the winning projects at CZC:

- **Elicius Energy** proposed, fuel cell can avoid emission of up to 460 gCO₂ per KWH production
- **Enviraj Consulting** proposed, smart drip irrigation system can save up to 500 cum water per acre
- **Capro Technologies** proposed, electric personal mobility scooter can avoid 140 kg CO₂ in a year

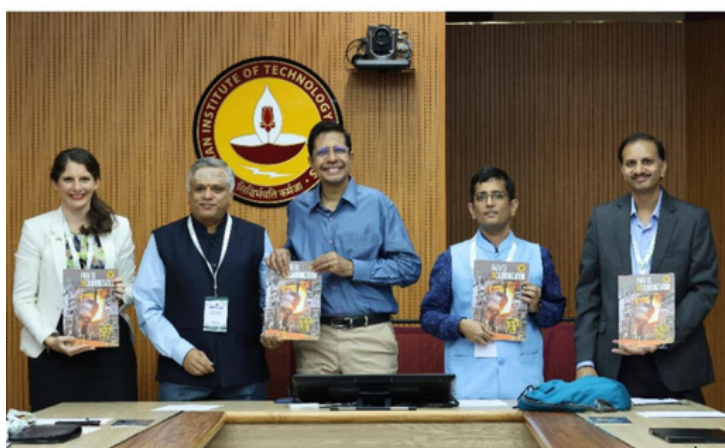
India, the 7th most affected nation by climate change, has pledged to achieve net zero carbon emissions by 2070. The Carbon Zero Challenge (CZC) at IIT Madras is working to help India meet this goal. CZC is calling on young entrepreneurs to develop innovative, affordable, sustainable solutions that address India's challenges in key areas like agriculture, transportation, water, and waste management.

By empowering the next generation and supporting green technologies tailored to India's needs, CZC at IIT Madras, aims to put India on a path towards its ambitious net zero target.

CSR SPOTLIGHT

Collaborative Consortium at IIT Madras focused on accelerating Clean Energy transition technologies

The Energy Consortium at IIT Madras brings together industry, academia & government to accelerate the low-carbon energy tech, across renewable power generation, storage, and distribution. Leveraging expertise in carbon capture, green hydrogen, advanced batteries, resilient microgrids, the Consortium aims to **accelerate India's energy transition.** With ample CSR funding opportunities, IIT Madras is positioned as a hub for sustainable energy innovation through stakeholder collaborations.



NEWS AND EVENTS



IIT Madras hosts International Conference on Start-ups and Innovations

*"I must congratulate IIT Madras for having the foresight to set up something like **Center for Start-Ups and Risk Financing (CREST)**."*

- Dr. PTR Palanivel Thiagarajan
Hon'ble Minister of Information Technology and Digital Services

Honorable Minister of Finance and Digital Services for Tamil Nadu, Dr. PTR Palanivel Thiagarajan emphasized the necessity for fledgling entrepreneurs and established businesses alike to have the means to raise capital at every phase of growth. S. Ramann, Chairman of government development bank SIDBI, launched an expansive new platform created by IIT-incubated startup YNOS Venture Solutions. This platform harnesses comprehensive data on India's 200,000 startups to better connect them to potential funding partners.

DEMOCRATIZING ENTREPRENEURSHIP

Mphasis' purpose to be the "Driver in the Driverless Car" for Global Enterprises, enables us to deliver scalable and sustainable software and technology solutions underscoring our leadership in technology-led innovation. Aligned to this purpose, our CSR arm, the Mphasis FI Foundation, champions transformative initiatives with IIT Madras by co-establishing the Centre for Quantum Information, Communication, and Computing (CQuICC).

We are delighted to be associated with IIT Madras for fundamental and applied research in quantum technologies. The Quantum Centre at IITM is a world-class hub of research and applied technologies in Quantum Sciences and related applied technologies producing top-quality graduates, whose research and solutions exemplifies the shared goals of innovation and societal betterment.

MS SAROJINI SUBBIAH

VP and Head of CSR, Mphasis



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!



CHECK OUT THE NEWS@

IITM'S SCHOOL OF SUSTAINABILITY

CLICK THE LINK BELOW



An initiative by the **Office of Institutional Advancement, IIT Madras**



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