



TECHNOLOGIES FOR A BETTER TOMORROW

A CSR Bulletin by IIT Madras

IITM LAUNCHES SCHOOL OF SUSTAINABILITY- AN (SOS) CALL?

The inauguration of the School of Sustainability (SoS) on October 7th 2023, is a momentous occasion in the history of IIT Madras, underscoring the institute's commitment to fostering a sustainable future. The School has a clear threefold mission:

- Teaching new interdisciplinary courses on sustainability
- Synergizing research to tackle grand challenges
- Outreach to academics and professionals and hosting events to showcase technological advancements



This initiative paves the way for a greener, more sustainable future harnessing the power of cutting-edge technology. **We invite you to participate in this transformative journey.**

Some of the key sustainability initiatives under CSR at IIT Madras:

- **Agricultural Advancement and Food Security**
- **Energy consumption monitoring**
- **Public transportation enhancements**
- **Conservation and biodiversity**
- **AI in ecosystem analysis**
- **Energy and Renewable Resources**
- **Solutions in waste management**
- **Circular economy**
- **Water conservation and clean water tech**
- **Climate action**
- **Healthcare & Well-being**

CSR PROJECT SHOWCASE



HOMOSEP: A ROBOT THAT CLEANS SEPTIC TANKS

Restoring dignity through Technology

In India, Manual Scavenging **claims one life every 5 days**. **HomoSep**, developed in the Mechanical Engineering dept. of IIT Madras, is an indigenous, Intelligent and affordable **robotics** solution for manual scavenging. It eliminates any associated risk and preserves human dignity while also ensuring **efficient and cost-effective tank cleaning**. HomoSep utilizes a custom-developed rotary blade mechanism to homogenize thick sludge and integrated suction pumps to pump out the slurry.

Collaboration Opportunities: The initiative has been adopted by various leading Corporates under their CSR. **Please get in touch to explore CSR synergies.**

Committed to change & powered by tech?

Nominate your CSR Project for **IIT Madras' 'Tech for Better Tomorrow' Award 2023**

Hurry! The last date is **10th November 2023**. [Details here](#)

CSR SPOTLIGHT

IIT Madras has been undertaking several extensive research projects and impactful initiatives in the area of **affordable housing and research studies** - these include:

- **GFRG buildings**
- **Automated construction**
- **Concrete 3D printing**

The proposed centre will be dedicated towards research and development of low-cost housing and sustainability, including research in **new technologies for efficient and affordable housing, build process optimization tools and leverage automation** methods for faster, cost-effective construction. It will also develop templates for economic evaluation and provide training, design and project management services. Interested companies are invited to get in touch for CSR collaborations.

CENTRE FOR LOW-COST HOUSING



NEWS AND EVENTS



IITM was the official **Gold Partner for the India CSR Summit 2023** - one of Asia's largest CSR events. Kaviraj Nair, the Chief Executive Officer, Office of Institutional Advancement, IIT Madras, addressed the packed audience on how IIT Madras harnesses green energy using technology. The IITM team interacted with interested corporate partners and shared key projects and CSR collaboration opportunities under education, health, water, sanitation, village development, among others.

IIT Madras - Gold Partner@ INDIA CSR SUMMIT 2023

TESTIMONIAL

Every 4 minutes, a woman is diagnosed with breast cancer in India. We need to do everything we can to treat this and in a cost effective manner. We are delighted to associate with IIT Madras on a lifesaving project dedicated to creating an accessible and cost-effective technological solution for breast cancer patients.

This collaboration is more than just an association; it represents a shared vision to bring about a change in the lives of ordinary Indians. I am truly inspired by the work being done and the teams commitment to use technology to save people's lives

MR. RATHIN LAHIRI

MARKETING & CSR, SBI GENERAL INSURANCE



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**



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