



TECHNOLOGIES FOR A BETTER TOMORROW

A CSR Bulletin by IIT Madras

IIT MADRAS LAUNCHES THE WORLD'S FIRST DEPT OF MEDICAL SCIENCES & TECHNOLOGY

Inaugurated in February 2023, the newest Department of Medical Sciences and Technology at IIT Madras, is the first of its kind, bringing the convergence of Medical Sciences and Technology, with a world-class research environment. Its objective is to develop Physician-Scientists and Engineering Physiologists, to create ground-breaking technology. The Department has adopted an Interdisciplinary approach to improve healthcare and enable new technology development for monitoring vitals, early detection of disease and treatment options.

The Immediate need is for setting up:

- Airway Organoid Research Centre,
- Physiology Lab,
- AR/VR-based anatomy lab &
- Manikin-based simulation lab, which will also train medical & para-medical staff

Opportunities for collaboration under CSR is sought for these labs which will have a positive impact on patients' lives for generations to come.

For Naming Rights and more details, email us at csrpartner@ia.iitm.ac.in



Representational Images of a few of the proposed labs



DRIVING THE GREEN MOBILITY REVOLUTION

CSR PROJECT SHOWCASE

Centre for Battery Engineering and Electric Vehicles (CBEEV)

CBEEV aims to revolutionize EV components, developing motors and controllers to reduce import dependence and improve cost-competitiveness of Indian EVs. CBEEV focuses on developing & manufacturing batteries, power drives and engines for Electric Vehicles in India promoting Atmanirbhar Bharat, and also addressing the EV challenges and researching into advanced battery technology, building India's renewable energy self-sufficiency.

For CSR collaborations with CBEEV, please get in touch

CSR SPOTLIGHT

A recent research at IIT Madras has found that a bioactive natural product molecule derived from a traditional Indian ayurvedic & medicinal plant shows great promise as a new anti-malarial drug, against the deadly Plasmodium falciparum malaria. This form of malaria also has drug resistance and limited medical access as additional major challenges.

Successfully tested in labs and pilot studies, the molecule exhibits minimal side effects, making it a highly viable candidate against malaria. With proven therapeutic effectiveness and safety, this discovery could revolutionize malaria treatment.

To advance this breakthrough, we invite Corporate Social Responsibility (CSR) funding for essential phases, including extraction, synthesis, and further comprehensive studies.

NEW ANTI-MALARIAL DRUG DEVELOPMENT

A BIOACTIVE NATURAL PRODUCT MOLECULE ISOLATED FROM AYURVEDIC & MEDICINAL PLANT DEMONSTRATES AS A PROMISING NEW ANTI-MALARIAL DRUG FOR EMERGENCE OF ANTIMALARIAL DRUG RESISTANCE.



NEWS AND EVENTS



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IIT MADRAS LAUNCHES 'CENTRE FOR RESPONSIBLE AI' GOOGLE JOINS ONBOARD AS MEMBER

IITM has launched CeRAI, an interdisciplinary research centre, aimed at becoming a premier National and International research hub for Responsible AI, with Google as the first platinum consortium member.

CeRAI also plans to create specialized sensitization/training programs for stakeholders to better understand Ethical and Responsible AI and will host technical events, workshops, and conferences on deployable AI systems, emphasizing ethics and responsibility principles.

TESTIMONIAL

I do not believe in creating 'islands' of change. An intervention should be able to impact society at scale, for it to have lasting impact. One of the main ways this can happen is through Technology.

I commend IIT Madras for their socially impactful initiatives by leveraging technology and for creating awareness amongst Corporate stakeholders on the various CSR collaboration opportunities across important themes.

I encourage everyone to make a visit to IIT Madras, to interact with the technology experts and witness the remarkable work being undertaken at IIT Madras, first-hand. I assure you, it will be a transforming experience.

MR. ANURAG PRATAP, VICE-PRESIDENT, CSR, CAPGEMINI



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!



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 csrpartner@ia.iitm.ac.in