



Indian Institute of Technology Madras  
Office of Alumni and Corporate Relations



# Prof. M S Ananth Endowment Annual Report

2022-23

**“What you leave behind is not what is engraved in stone monuments, but what is woven into the lives of others.” – Pericles**



**Prof. M. S. Ananth**

Prof. M. S. Ananth Endowment Fund at the IIT Madras is the fund established to honor Prof. M. S. Ananth, who served as the Director of IIT Madras from 2001 to 2011. He was well-known for his contributions to science and teaching, as well as his tireless efforts to develop higher education and research in India. The alumni and well-wishers have contributed towards this endowment.

The interest accrued from this endowment is used to support the following activities:

**1** To support socially relevant projects

**2** To support the educational needs of the children of staff members of self-help organizations who work on IITM campus

# To support socially relevant projects

IIT Madras has been in the forefront of developing technologies to solve pressing problems in society. It showcases cutting-edge research on technologies for social impact



Total number of Projects - 22



## Snippets of the project:



**Prof. Nikhil Bugalia**

Department of Civil Engineering

### Project Name:

Construction and Demolition (C&D) Waste Management and the Role of the Informal Unorganized Sector in India: Case of New Delhi

### Objective of the project:

Identifying early-stage demolition projects in different parts of the City and various stakeholders involved in the identified projects to understand their roles in an informal/formal C&D waste management system through interviews.





*Process photos of deconstruction, material preparation and transportation*

Results indicate significant environmental and economic benefits contributed by the informal sectors as they engage in deconstruction, salvaging several materials otherwise considered waste, and adding value to the formal recycling process through their selective demolition practices.



**Project Name:**

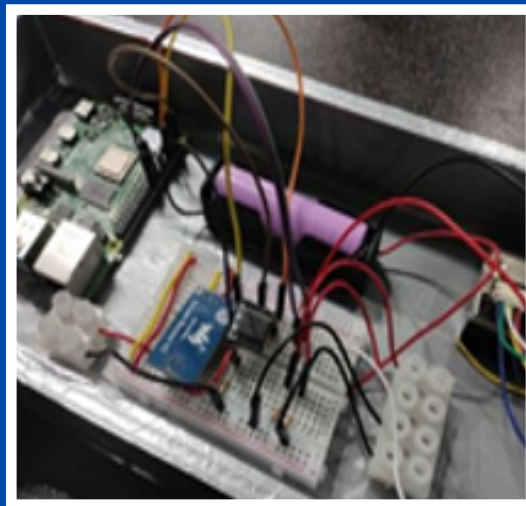
Tracking Beehive Health Using IoT Technology

**Objective of the project:**

The objective of the work is to build an IoT-based tracking system to monitor the health of a beehive.

**Prof. Madhu Mutyam**

Department of Computer Science  
Engineering



It helps minimize manual inspection of the beehives so that beekeepers can handle a larger number of beehives at the same time, which can improve their income level.

**Project Name:**

Farmer-friendly, point-of-use, portable heavy metal sensors with cell phone interface: A new technical aid for the agricultural sector

**Objective of the project:**

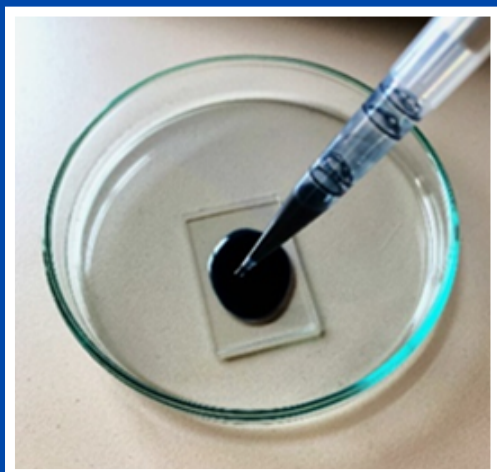
Analyzing water quality and heavy metal presence in water samples collected from several temple tanks in Rameswaram, Tamil Nadu using ICP-OES facility at SAIF- IIT Madras.



**Prof. Sreeram K. Kalpathy**

Department of Metallurgical and  
Materials Engineering





The project is aimed at helping farmers and agricultural cooperatives to decide on soil quality, by measuring soil salinity and heavy metal presence detection, so that they can sow crops in the right location and maximize crop yields.



**Prof. Rayala Suresh Kumar**

Department of Biotechnology

Fabrication of point of care device for detection of HR-HPV and continuous field work – community screening by enrolling more women into the cervical cancer screen

**Project Name:**

Community Screening of “Kasimedu fisherwomen” for cervical cancer using a self-sampling kit and an indigenous innovative detection device.

**Objective of the project:**

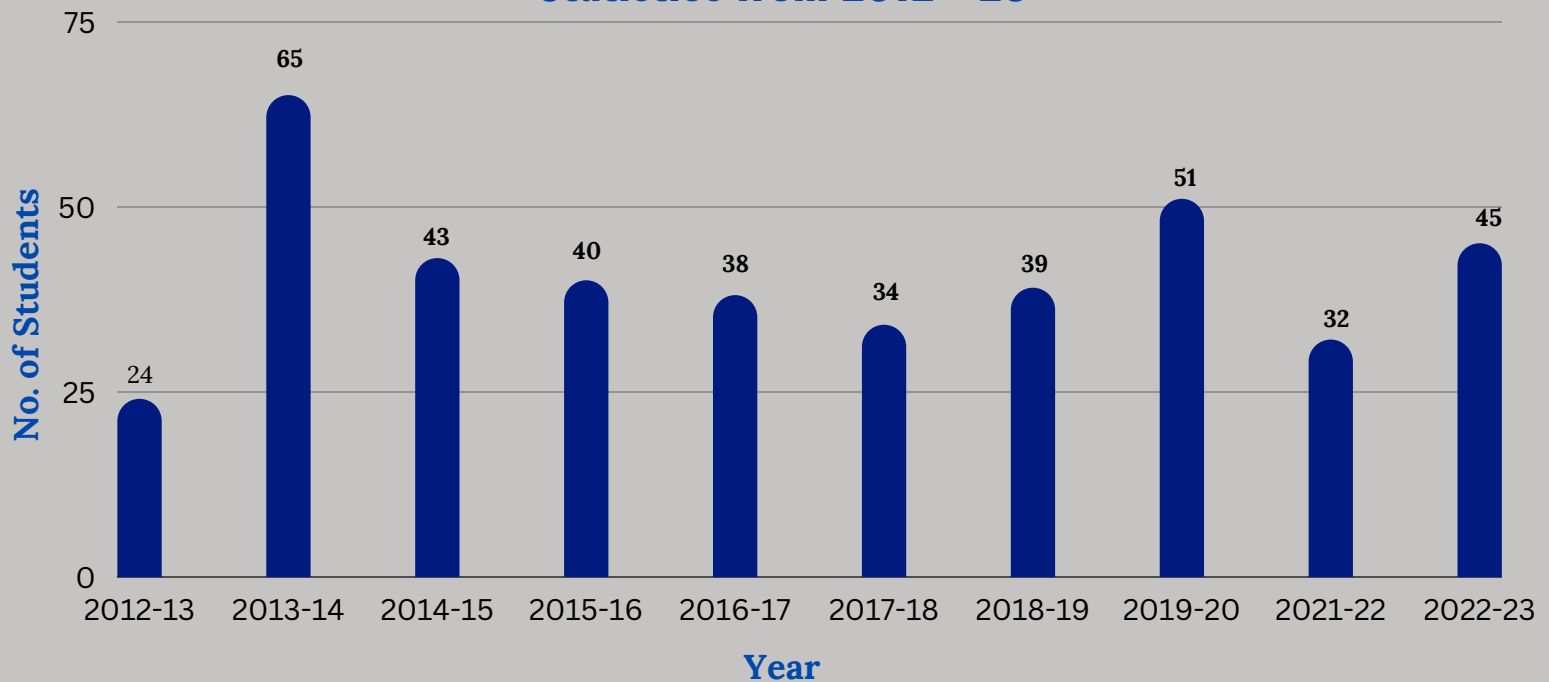
This project is aimed at a community screening of cervical cancer in Kasimedu fisherwomen and the detection of an HR-HPV in these women by using an indigenous detection device (developed at IITM).

	Disease	No Disease
Test Positive	2(TP)	0(FP)
Test Negative	0(FN)	98(TN)
Total	2	98

# To support children of staff members

Over the years the funds have been disbursed among students. The below graph depicts the number of students who have reaped the benefits.

## Statistics from 2012 - 23



In 2022, 45 children of the IIT Madras campus Self-Help group staff have been given support to their tuition fee through this scheme.

## Gratitude from beneficiaries:



Respected Mam/sir,

I am S. madesh son of Kasthuri. Thank you for Sponsoring my Education fees you have been a source of constant support and inspiration for me I am grateful and humble and realize the amount of fees dedication, I will study perfectly and well.

Thank you Mam/sir

S. madesh.





# Thank you!

*We are grateful to the contributors for your commitment to our organization, and belief in our mission. Your generosity is an inspiration to all of us, and we cannot thank you enough for your support.*



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