MARUDHAR KESARI JAIN COLLEGE FOR WOMEN

(AUTONOMOUS)

VANIYAMBADI, TIRUPATTUR DT – 635 751

- Recognized u/s 2(f) & 12(B) of UGC Act 1956
- Permanently Affiliated to Thiruvalluvar University
- Supported by DST - FIST | DBT STAR College Scheme

NAAC A+ | 4 Star Rated INSTITUTION'S INNOVATION COUNCIL

PG & Research Department of Physics

organizes

Supported by

DBT STAR COLLEGE SCHEME

Date : 19.08.2026 | Time : 11.00 am

Venue : Sri Arihanth Block

CHIEF GUEST

Mr. A. Arunraj

Assistant professor

Department of Physics

MKJC (A) Vaniyambadi

PRINCIPAL
Marudhar Kesari Jain College for Women (Autonomous)
Vaniyambadi - 635 751.
Tirupattur District

Sri. V. Dilip Kumar Jain	Sri. Anand Singhvi	Dr. M. Inbavalli	Dr. M. Gomathi	Dr. P. Praveena
President	Secretary	Principal	DBT STAR College Scheme Coordinator	Head

MARUDHAR KESARI JAIN

College for Women (Autonomous), Vaniyambadi

33 Years of Educational Excellence...

Activity Report

Topic of the Activity: **"Outreach Activity Experimental Demonstration: Solar Panel Power Production to School Students"**

Date : 19.08.2026

Venue : Sri Arihant Block

Objectives (Input):

- To introduce school students to the basic concept of solar energy and Principle.
- To introduce students to the materials used in solar panel production.
- To explain how a solar panel converts sunlight into electrical energy.
- To demonstrate the basic process of electricity generation using a solar panel.
- To create awareness about renewable and clean energy.
- To develop students' practical knowledge through a simple solar power generation activity.
- To encourage students to use solar energy in everyday applications.

Inputs:

Solar panel, sunlight, connecting wires, battery, LED bulb, and millimeters.

Methodology (Process):

The Department of Physics, Marudhar Kesari Jain College for Women (MKJC) organized an outreach programme on "Experimental Demonstration Solar Panel to Power Production to School Students", supported by the DBT STAR College Scheme. The topic was explained to the students through an oral presentation. The basic concepts of solar panels, semiconductor devices, silicon, and solar power generation were explained in location where the solar panel was installed and explain understandable language. Relevant examples were also given to help the students understand the topic clearly. Examples of solar panel materials were also demonstrated to the students.

Output:

The students gained a basic understanding of the solar panel, its components, and its working principle through direct observation at the location where the solar panel was installed. They also understood how sunlight is converted into electrical energy.

Outcomes:

The students developed a clear understanding of the basic concepts, components, and working principle of solar panels. They were able to identify the role of semiconductor materials, particularly silicon, in solar cell technology and understand how solar energy is converted into electrical energy. Through direct observation and practical exposure at the installed solar panel location, the students gained awareness of the importance and applications of solar energy as a clean, renewable, and sustainable source of energy.

22/9/26 22/9/26 22/9/26 22/9/2026

Head of the Department	Dean	DBT STAR College Coordinator	IQAC Director	Principal

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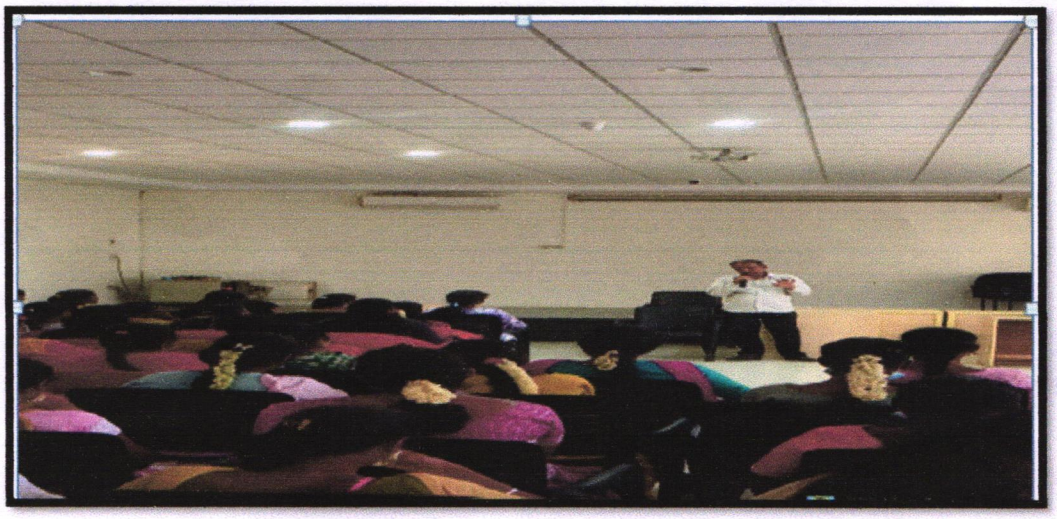
Topic: Awarness program on Waste Management

Date: 01.09.2026

Organized by: PG & Research Department of Physics

Venue: Vaani Tech, Vaniyambadi



Awareness Programme on Waste Management – Interactive Session with Students

Wastewater Filtration and Treatment Process for Sustainable Water Management.

Principal

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