MARUDHAR KESARI JAIN COLLEGE FOR WOMEN
(AUTONOMOUS)

VANIYAMBADI, TIRUPATTUR DT – 635 751

- Recognized u/s 2(f) & 12(B) of USC Act 1956
- Permanently Affiliated to Thiruvalluvar University
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A+ NAAC | 4 Star Rated INSTITUTIONS' INNOVATION COUNCIL (Ministry of Education)

PG & Research Department of Physics

Outreach Activity: Workshop on

Physics Meets AI:

Connecting Concepts to Real-World Applications

SDG - 4 *Quality Education.*

SDG - 9 *Industry, Innovation, and Infrastructure.*

For School Teachers from Alangayam, Natrampalli & Madhanur

Supported by

DBT STAR COLLEGE SCHEME

Date : 02.11.2026 & 03.11.2026 | **Time :** 3.00 PM | **Venue :** CS Lab

Resource Person



Dr. M. Elakia

Assistant Professor

PG and Research Department of Physics

MKJC (A), Vaniyambadi

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

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MARUDHAR KESARI JAIN

COLLEGE FOR WOMEN (AUTONOMOUS), VANIYAMBADI

(A Project of Sri Marudhar Kesari Jain Trust)

33 Years of Educational Excellence...

PG & Research Department of Physics

ORGANIZES

Outreach Activity: Workshop on "Physics Meets AI: Connecting Concepts to Real-World Applications"

Date:02.11.2026–03.11.2026	Venue: CS Lab
Time:03.00 p.m.	Participants: School Teachers

AGENDA

Prayer and Tamil Thai Vazthu

Welcome Address	**Dr.K.Vedhapriya,** Assistant Professor, Assistant Professor, Department of Physics, MKJC(A)
Felicitation	**Dr.M.Inbavalli,** Principal, Marudhar Kesari Jain College for Women (Autonomous), Vaniyambadi.
Resource Person Introduction	**Dr.S.Divya ,** Assistant Professor, Assistant Professor, Department of Physics ,MKJC(A)
Resource Person Address	**Dr.M.Elakia,** Assistant Professor, Assistant Professor, Department of Physics ,MKJC(A)
Vote of Thanks	**Mr.A.Arunraj,** Assistant Professor, Assistant Professor, Department of Physics, MKJC(A)

National Anthem

ALL ARE CORDIALLY INVITED

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Activity Report

Topic of the Activity: Outreach Activity: Workshop on "Physics Meets AI: Connecting Concepts to Real-World Applications"

Date: 2.11.2026 – 3.11.2026 | **Time:** 3.00 p.m. | **Venue:** CS Lab

Objectives

The Outreach Activity: Workshop on "Physics Meets AI: Connecting Concepts to Real-World Applications" was organized by the PG & Research Department of Physics, supported by the DBT STAR College Scheme, for school teachers from Alangayam, Natrampalli and Madhanur.

- Create awareness among school teachers about the relationship between fundamental Physics concepts and Artificial Intelligence (AI).
- Explain how concepts such as sound waves and gravity are connected with modern AI-based applications.
- Introduce real-world applications of AI in areas such as voice assistants and satellite navigation.
- Encourage teachers to connect classroom Physics concepts with familiar technologies and practical examples.
- Promote interdisciplinary learning by highlighting the links between Physics, computing and emerging technologies.
- Motivate teachers to make Physics teaching more application-oriented, engaging and relevant to students.

Process

Dr. M. Elakia, Assistant Professor, PG & Research Department of Physics, Marudhar Kesari Jain College for Women (Autonomous), Vaniyambadi, served as the resource person for the workshop. The session introduced the theme "Physics Meets AI" and explained how Physics concepts are connected to real-world technological applications. An example includes the use of sound-wave principles in AI-powered voice assistants and the role of gravity and satellite-based systems in navigation. The workshop was intended to help school teachers in relating scientific concepts to technologies encountered in everyday life.

Output

The participating teachers gained an understanding of the connection between basic Physics principles and selected applications of Artificial Intelligence. They were introduced to practical examples that can be used to explain the relevance of Physics in modern technology and everyday life.

Outcome

The workshop strengthened awareness of interdisciplinary learning and the practical importance of Physics in the age of Artificial Intelligence. It encouraged teachers to integrate real-world technological examples into classroom discussions, thereby helping students develop curiosity, conceptual understanding and interest in emerging technologies.

SDG Linkage

The activity supports Sustainable Development Goal 4 (SDG 4) – Quality Education by encouraging meaningful, relevant and application-oriented science education. It also relates to SDG 9 – Industry, Innovation and Infrastructure by highlighting the role of scientific knowledge and AI-enabled technologies in innovation and technological development.

Head of the Department	Dean	DBT STAR College Co-Ordinator	IQAC Director	Principal

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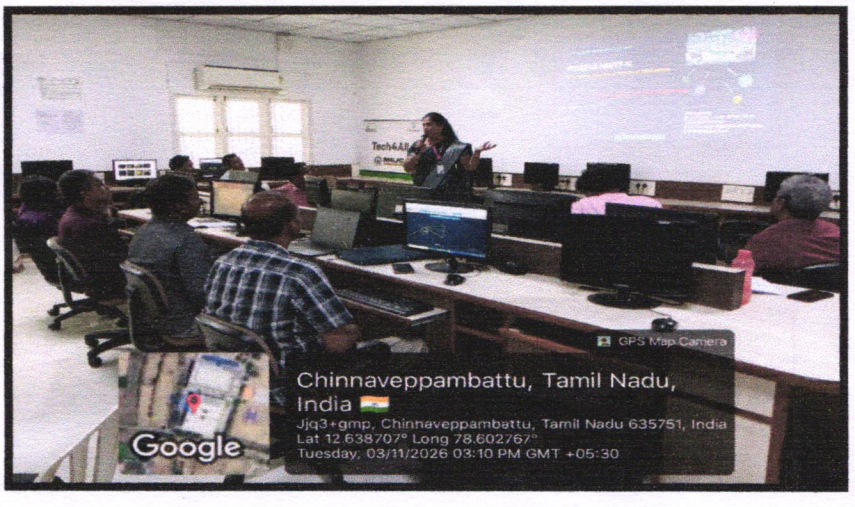
Topic: Outreach Activity: Workshop on Physics Meets AI: Connecting Concepts to Real-World Applications

Date: 02.11.2026 & 03.11.2026

Organized by: PG & Research Department of Physics, Marudhar Kesari Jain College for Women (A), Vaniyambadi.

Venue: CS Lab



Presentation session



Interaction Session with School Teachers

Principal

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