P.K.R.ARTS COLLEGE FOR WOMEN

(Re-Accredited by NAAC with 'A' Grade)
Autonomous Institution-Affiliated to Bharathiar University
Gobichettipalayam

DEPARTMENT OF MATHEMATICS

Cordially invites you all for the

THINKING IN SHADES OF GRAY WITH AI

Resource Person

Dr. S. SANTHOSH KUMAR

Assistant Professor
Department of Mathematics
Sri Ramakrishna Mission Vidyalaya College of
Arts and Science, Coimbatore.

Date: 27/01/2026   Time: 10.00 a.m.

Program Objective:

To help participants move beyond yes–no thinking and understand how AI handles uncertainty and partial truth in real-life decisions.

Program Outcome:

Participants will be able to use AI tools like fuzzy logic to analyze uncertain situations and make balanced, informed decisions.

Organizing Secretary: Mrs.A.Poornima

Programme Name: Thinking in Shades of Gray with AI

Date :27.1.2026   Time : 10.00 A.M.   Venue : UG 15

CHIEF GUEST :

      Dr. S. Santhosh Kumar

      Assistant Professor

      Department of Mathematics

      Sri Ramakrishna Mission Vidyalaya College of Arts and Science

      Coimbatore.

The Department of Mathematics, P.K.R. Arts College for Women, successfully organized a guest lecture titled **"Thinking in Shades of Gray with AI"** on 27th January 2026 at 10:00 a.m. The programme aimed to introduce students to the concept of reasoning beyond binary logic and to explore how Artificial Intelligence handles uncertainty and partial truths in real-life decision-making.

The session was delivered by **Dr. S. Santhosh Kumar**, Assistant Professor, Department of Mathematics, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, who served as the **Resource Person** for the event.

The programme commenced with a **Welcome Address by Ms.S. Niveditha of III B.Sc. Mathematics**, who warmly received the gathering and introduced the purpose of the session. She highlighted the importance of understanding modern AI concepts in the field of mathematics and set a positive tone for the event.

Dr. Santhosh Kumar began the session by explaining the limitations of traditional yes/no thinking and emphasized the importance of "gray thinking" in today's data-driven world. He introduced students to the fundamentals of **Artificial Intelligence** and highlighted how AI systems deal with uncertainty using approaches such as **fuzzy logic**. Through relatable real-life examples, he demonstrated how AI models make decisions in situations where information is incomplete, imprecise, or ambiguous.

The speaker also discussed practical applications of fuzzy logic in areas such as medical diagnosis, weather prediction, smart systems, and decision-making tools. The session helped students understand that many real-world problems cannot be solved using strict true/false logic and require flexible mathematical models.

A total of around **40 students and 8 faculty members** participated in the programme and benefited from the insightful session.

The lecture was highly interactive, with students actively participating in the discussion and asking insightful questions about AI applications and future research opportunities in mathematics and data science. Faculty members also appreciated the clarity and relevance of the session.

The programme concluded with a **Vote of Thanks delivered by Ms. Aghilaa A S of III B.Sc. Mathematics**, who expressed heartfelt gratitude to the resource person for his enlightening lecture, to the management for their support, and to the faculty and students for their active participation.

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PHOTOS

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