



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 invite you all for the

Programme

On

Fluid Dynamics in Everyday Life: Science Behind Motion and Flow

Resource Person

M.NARMATHA, M.Sc., M.Phil.,(Ph.D)
Assistant Professor(Sr.G)
Department of Mathematics
KPR Institute of Engineering and Technology
Coimbatore.



Programme Objective:

To introduce the basic principles of fluid dynamics through everyday phenomena and explain the science behind motion and flow in a simple, relatable manner.

Programme Outcome:

Participants will be able to identify and explain real-life applications of fluid motion and understand how fluid dynamics governs common natural and engineered systems.

Date & Time : 16th December 2025 & 11.00 a.m.

Faculty Coordinator : Mrs.S.Deepika



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**DEPARTMENT OF MATHEMATICS
REPORT**

Name of the programme: Fluid Dynamics in Everyday Life: Science Behind Motion and Flow

Guest : Mrs. M. Narmatha, M.Sc., M.Phil., (Ph.D)
Assistant Professor (Sr. Grade),
Department of Mathematics,
KPR Institute of Engineering and Technology, Coimbatore.

Date & Time: :16th December 2025 & 11.00 a.m.

Venue: Hall No 15

Objective:

To introduce the basic principles of fluid dynamics through everyday phenomena and explain the science behind motion and flow in a simple, relatable manner.

The Department of Mathematics, P.K.R. Arts College for Women, Gobichettipalayam, successfully organized a programme titled "**Fluid Dynamics in Everyday Life: Science Behind Motion and Flow**" on 16th December 2025 at 11.00 a.m. The programme aimed to create awareness among students about the relevance of fluid dynamics in daily life and to bridge the gap between theoretical concepts and practical applications.

The programme commenced with a warm welcome, followed by an introduction of the resource person. Mrs. M. Narmatha elaborated on the fundamental principles of fluid dynamics using simple language and relatable real-life examples. She explained concepts such as flow, pressure, velocity, and viscosity, and demonstrated how these principles operate in everyday phenomena including the flow of water in pipes, air movement, blood circulation, aerodynamics, and natural systems.

The session was highly interactive, and the resource person encouraged active participation from the students by posing thought-provoking questions and discussing practical scenarios. The use of real-world illustrations helped the participants to understand the science behind motion and flow in a clear and effective manner.

The programme concluded with a vote of thanks, expressing gratitude to the resource person for her insightful and engaging presentation, and to the organizing committee for the successful conduct of the programme. Overall, the programme was a great success and was well appreciated by the participants.

Outcome:

Participants will be able to identify and explain real-life applications of fluid motion and understand how fluid dynamics governs common natural and engineered systems.

Number of beneficiaries: 32 students and 9 faculty members.


Mrs. R. JAYALALITHA
Assistant Professor and Head
Department of Mathematics
P.K.R. Arts College for Women (Autonomous)



Gobichettipalayam, Tamil Nadu, India

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