



## Dr. Mahalingam College of Engineering and Technology

Office of Dean Research & Innovation

### (Fuzzy Mathematics)

Research Interest Group

**Report on “Research Challenges and Possibilities – Knowledge Sharing Session (Online)”**

**Date: 07/12/2024**

#### About the Session:

The Research Interest Group (RIG) – Fuzzy Mathematics has organized a research seminar for the benefit of the faculty members of MCET. The session details are given below for your kind reference.

S.No.	Name of the Resource Person	Topic	Date & Time	Venue	No of Participants
1	Dr. M.Shanthi, AP/Mathematics, Karpagam College of Engineering, Coimbatore.	Research Challenges and Possibilities	07/12/2024 &10.30 AM	Online	8

#### Objectives:

- To analyze the critical challenges in conducting research, including access to resources, methodological constraints, and evolving technological demands.
- To explore potential opportunities and innovative approaches that can enhance the quality and scope of research across various disciplines.

#### Topics Covered:

- Research funding and resource allocation
- Interdisciplinary and cross-cultural research collaborations
- innovation-driven possibilities
- research networks and fostering global partnerships

#### Future Possibilities:

- Promoting global collaboration through virtual platforms.
- Leveraging AI and machine learning tools for efficient research.
- Encouraging cross-cultural studies and knowledge exchange.

#### Participant Feedback:

The eight participants expressed appreciation for the program, emphasizing the practical

insights shared during the session. They highlighted the value of networking opportunities and the exposure to cutting-edge research trends.

### Q & A Session/Interaction:

- Participants discussed effective strategies for overcoming funding constraints and securing grants for their research projects.
- Questions were raised about managing ethical dilemmas and ensuring compliance with international research standards.
- Interactive discussions explored ways to integrate advanced technologies like AI and machine learning into research methodologies.
- Participants shared insights on tackling publication challenges and increasing the visibility of their research work.
- Suggestions were exchanged on building collaborations across disciplines and leveraging global networks to enhance research impact.

### Outcomes:

The online program titled "Research Challenges and Possibilities" was conducted by the Research Interest Group to address contemporary issues and opportunities in academic and professional research.

This session aimed to inspire participants to identify and overcome challenges while exploring new Dimensions in their respective research fields.

### Poster of the event:

The poster is for an event titled "Research Challenges and Possibilities" organized by the Research Interest Group at MOET Dr. Mahalingam College of Engineering and Technology. The event is a Knowledge Sharing Session on Fuzzy Mathematics and its Applications, held on 07/12/2024 from 11:30 AM to 11:30 AM on an online platform. The speaker is Dr. M. Shanthi, Assistant Professor in the Department of Science and Humanities (Mathematics) at Karpagam College of Engineering, Coimbatore-32. The poster includes logos for NM 100, MOET, and Sustainable Development Goals, and mentions that the institution is AICTE Approved and affiliated to Anna University.

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An Autonomous Institution

Office of Dean  
**Research & Innovation**  
Research Interest Group  
Fuzzy Mathematics and its Applications

**Knowledge Sharing Session**

**Dr.M.Shanthi**  
Assistant Professor  
Department of Science and Humanities  
(Mathematics)  
Karpagam College of Engineering,  
Coimbatore -32

**“ Research Challenges and Possibilities”**  
07/12/2024 & 11.30 AM  
Venue: Online Platform

Organizers: 1. Dr.S.Monolisa, AP/Maths, 2. Ms.S.Gomathi, AP/Maths

**All are cordially Invited !!!**

Collaborate, Innovate, Elevate: Research Excellence...

