



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE



NATIONAL MATHEMATICS DAY CELEBRATION

(22 December 2024)

by

Department of Electronics Engineering

in association with IETE Students' Forum and IETE Bhopal Centre

EXPERT TALK: GRAPH THEORY : THE MAGIC OF POINTS AND LINES

and

MATHMANIA CHALLENGE (Mathematics Quiz)

An **Expert Talk** on “Graph Theory: The Magic of Points and Lines” was organized by the **IETE Bhopal Chapter** in collaboration with the **Department of Electronics Engineering, MITS Gwalior**, on **22 December 2024**.

The session featured **Dr. Priyanka Singh**, a distinguished mathematician from the **Department of Mathematics, Pandit Deendayal Energy University (PDEU), Gandhinagar**, as the resource person. Dr. Singh earned her Ph.D. in Mathematics from **IIT Kharagpur** and demonstrated her academic brilliance by securing an **All-India Rank of 38** in **GATE 2011**. She previously served as an Assistant Professor at **Siksha 'O' Anusandhan University**, Bhubaneswar, Odisha. Holding an **M.Sc. in Mathematics** from **Banaras Hindu University (BHU)** and a **B.Sc. in Computer Science** from the **University of Delhi**, Dr. Singh has consistently excelled throughout her academic journey.

Her specialization lies in **Graph Theory**, a field where she has contributed significantly through research and innovative applications. Her dedication to teaching and research has established her as a respected mentor and scholar in the field.

The event began with a **welcome address** by **Student Coordinator Soumya Dubey**. Coordinators **Soumya Dubey** and **Medhavi Agrawal** then introduced Dr. Priyanka Singh to the audience and invited her to commence the session.

Dr. Singh delivered an insightful and engaging talk, explaining the fundamentals of **Graph Theory** and its diverse applications. She elaborated on practical problems such as the **facility location problem, timetable scheduling, solving Sudoku**, and **mobile radio frequency assignment**. She also discussed real-world applications, including **electronic circuits, railway maps, urban city modeling, and pipeline design**. Encouraging students to explore the fascinating uses of Graph Theory in everyday life, she inspired them to delve deeper into the subject.

The session concluded with a **vote of thanks** delivered by **Dr. Himanshu Singh**.

Following the expert talk, the **MATHMANIA Challenge (Quiz)** was organized to provide students an opportunity to showcase their **mathematical aptitude**. This activity was coordinated by **Dr. Himanshu Singh** under the guidance of **Dr. Pramod Kumar Singhal** and **Dr. Vandana Vikas Thakare** (Head of the Department, Electronics Engineering).



The event successfully fostered curiosity and enthusiasm for mathematics among the participants, making it a memorable and enriching experience.

GLIMPSE OF THE EXPERT TALK AND MATHMANIA CHALLENGE (Mathematics Quiz)

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NATIONAL MATHEMATICS DAY

Department Of Electronics Engineering
And
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Presents

EXPERT TALK

**GRAPH THEORY :
THE MAGIC OF
POINTS AND LINES**


Dr. Priyanka Singh
Ph.D (IIT Kharagpur),
M.Sc. (BHU), B.Sc. (DU),
GATE (AIR - 38),
Life Member, Indian Mathematical Society (IMS),
Assistant Professor,
Department of Mathematics,
School of Technology,
Pandit Deendayal Energy University, Gujarat

**SUNDAY
22 DECEMBER 2024**


12:30 - 1:30 PM

SEMINAR HALL 6

**E-CERTIFICATES
FOR ALL**



REGISTER NOW

For More Info : 


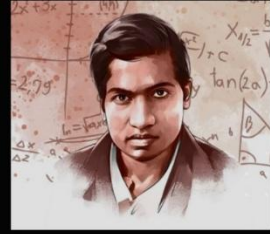
Faculty Coordinator: Dr. Himanshu Singh : 9424072768
Student Coordinators: Medhavi Agrawal : 6299317545
Soumya Dubey : 9244309594

Dr. Vandana Vikas Thakare
HoD, Electronics Department

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