



NATIONAL MATHEMATICS DAY CELEBRATION

(22 December 2024)

by

Department of Electronics Engineering

and

IETE Bhopal Chapter

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)


MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE


NATIONAL MATHEMATICS DAY
Department Of Electronics Engineering
And
IETE Bhopal Centre
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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**MATHMANIA
CHALLENGE
MATHEMATICS
QUIZ**




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Dr. Vandana Vikas Thakare
HoD, Electronics Department







National Mathematics Day

22-Dec-24

Expert Lecture by Dr. Priyanka Singh

| S.No | Name | Enrollment Number | Sign |
|------|------------------------------|-------------------|------------------|
| 1 | Priyanshi Sharma | BTET2401097 | <i>Priyanshi</i> |
| 2 | Lakshya pachauri | BTET2401069 | <i>Lakshya</i> |
| 3 | Tanmay Agrawal | BTET2401139 | <i>Tanmay</i> |
| 4 | Suryakant Singh baghel | BTET2401130 | <i>Suryakant</i> |
| 5 | Muhammad Raihaan | BTET2401043 | <i>Muhammad</i> |
| 6 | Neelkanthathour | BTET2401084 | <i>Neelkanth</i> |
| 7 | Tanishka verma | BTET2401138 | <i>Tanishka</i> |
| 8 | Kartik Krishana kushwah | BTET2401062 | <i>Kartik</i> |
| 9 | Shivakant Mishra | BTET2401124 | <i>Shivakant</i> |
| 10 | Arshad khan | BTET2401032 | <i>Arshad</i> |
| 11 | HARSH PRATAP SINGH | BTET2401052 | <i>Harsh</i> |
| 12 | ANKITSAHU | BTET2401024 | <i>Ankit</i> |
| 13 | Payal Rajput | BTET2401090 | <i>Payal</i> |
| 14 | Vanshika Tiwari | BTET2401145 | <i>Vanshika</i> |
| 15 | Vinayak mangal | BTET2401146 | <i>Vinayak</i> |
| 16 | Kartik singh | BTET2401034 | <i>Kartik</i> |
| 17 | Rohit Ahirwar | BTET2401106 | <i>Rohit</i> |
| 18 | Shruti Vishwakarma | BTET2401126 | <i>Shruti</i> |
| 19 | Prerana Shiva urmaliya | BTET2401092 | <i>Prerana</i> |
| 20 | GOURAV ARYA | BTET2401031 | <i>Gourav</i> |
| 21 | Saurav arya | BTET2401062 | <i>Saurav</i> |
| 22 | ANUJ PARIHAR | BTET2401011 | <i>Anuj</i> |
| 23 | Medhavi Agrawal | BTET2401075 | <i>Medhavi</i> |
| 24 | Rohit Sharma | BTET2401107 | <i>Rohit</i> |
| 25 | Shivani narwariya | BTET2401125 | <i>Shivani</i> |
| 26 | LAVKUSH PRAJAPATI | BTET2401071 | <i>Lavkush</i> |
| 27 | Isha jain | BTET2401058 | <i>Isha</i> |
| 28 | Paras mahor | BTET2401087 | <i>Paras</i> |
| 29 | Deepankar Singh Rawat | BTET2401042 | <i>Deepankar</i> |
| 30 | KRISHNA AGRAWAL | BTET2401067 | <i>Krishna</i> |
| 31 | Shobhan raj | BTET2401123 | <i>Shobhan</i> |
| 32 | Uttkarsh Bhandari | BTET2401071 | <i>Uttkarsh</i> |
| 33 | ANKESH RATHOR | BTET2401022 | <i>Ankesh</i> |
| 34 | SHAURYA PRATAP SINGH CHAUHAN | BTET2401121 | <i>Shaurya</i> |
| 35 | Sarthak jain | BTET2401114 | <i>Sarthak</i> |
| 36 | Harshit Singh Sikarwar | BTET2401054 | <i>Harshit</i> |
| 37 | Rishabh Pakidat | BTET2401108 | <i>Rishabh</i> |
| 38 | Priyanshi Jain | BTET2401088 | <i>Priyanshi</i> |
| 39 | Gauri Tiwari | BTET2401048 | <i>Gauri</i> |
| 40 | Saumya Dubey | BTET2401131 | <i>Saumya</i> |
| 41 | Medhavi Agrawal | BTET2401075 | <i>Medhavi</i> |

H Singh

Dr. Himanshu Singh
(Event Coordinator)

Vandana

Dr. Vandana Vikas Thakare
(HoD)