



**MANAV RACHNA  
UNIVERSITY**

Declared as State Private University vide Haryana Act 26 of 2014

Dated: 23-08-2024

### **NOTICE**

This is to inform to all the students that the Department of Sciences (Program-Physics), School of Sciences, Manav Rachna University is organizing a “research colloquium” on 31<sup>st</sup> August, 2024, 11:30 P.M onwards in online mode via google meet.

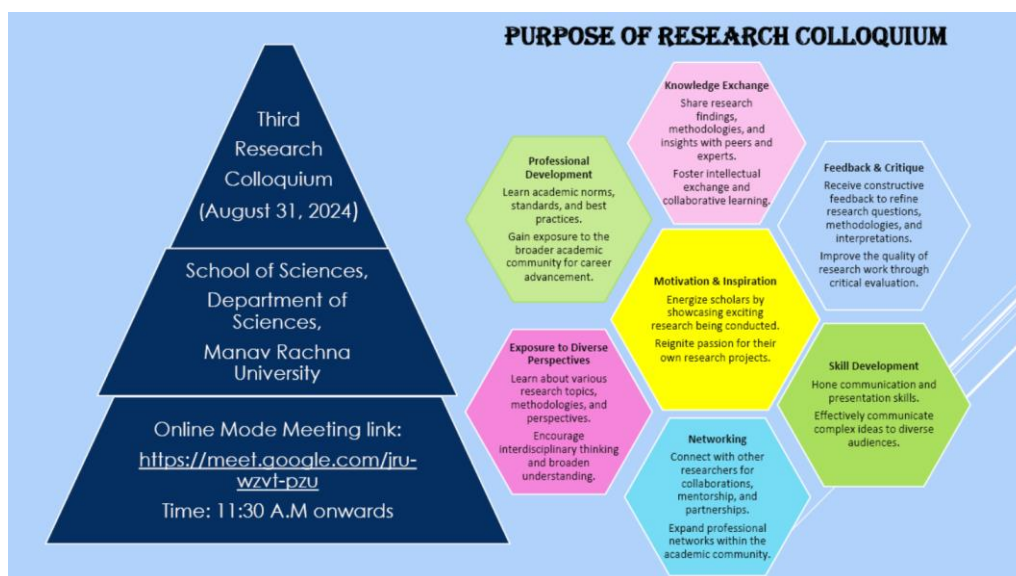
**Topic:** Research colloquium

**Venue:** Online mode

Signed/ Stamped by

Head, School of Sciences

# CREATIVE/FLYER/BROCHURE



## Meeting Detail

Third Research Colloquium for Physics Ph.D. Scholars - Saturday, August 31st, 2024

Saturday, August 31 · 11:30am – 1:30pm

Time zone: Asia/Kolkata

Google Meet joining info

Video call link: <https://meet.google.com/zqv-iyeb-yze>

Or dial: (US) +1 413-623-4886 PIN: 187 970 995#

More phone numbers: <https://tel.meet/zqv-iyeb-yze>



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## **School of Sciences**

### **DEPARTMENT OF SCIENCES**

#### **EVENT REPORT**

TITLE – Research Colloquium

Date: August 31, 2024

Venue: Online mode

Participants: 08

Meeting link:

<https://meet.google.com/zqv-iyeb-yze>

The Department of Sciences, Program Physics at Manav Rachna University organized an online Research Colloquium for Physics Research Scholars on August 31, 2024. Coordinated by Dr. Deepti, the event provided a platform for scholars to present their research and engage in scholarly discussion. Due to some scholars being occupied with thesis work and few other attending conferences, eight out of nineteen scholars participated in the session.

The Research Colloquium began with an inaugural session that underscored the pivotal role of research in advancing the field of physics. Scholars were encouraged to embrace innovative approaches in their work, contributing to the growth of the discipline. The colloquium featured the research presentations from scholars across various domains. Pooja Sharma shared insights into atmospheric and ionospheric phenomena, particularly the study of pre-earthquake signatures derived from ionospheric and surface parameters. Komal, Bhumika, and Poonam explored theoretical and experimental nanoscience, offering a comprehensive overview of both theoretical models and experimental techniques. Yogmaya presented on the latest advancements in solar cell technology, focusing on enhancing efficiency and sustainability. Divya and Pankaj Kumar Sharma discussed the development of high-performance supercapacitors for energy storage applications. Lastly, Muskan Aggarwal presented research on the electronic and magnetic properties of materials using Density Functional Theory (DFT), highlighting its significant applications in material science. The colloquium provided an excellent opportunity for scholars to showcase their research, receive feedback, and explore potential future scopes. The event concluded with a sense of accomplishment and enthusiasm for future research endeavors and reflects the department's commitment to foster a strong research environment.

Signed/ Stamped by  
Head of the Department, PHYSICS



Event attendance:

S.No	Name of Research Scholar	Program
1	Pooja Sharma	Physics
2	Komal	Physics
3	Divya	Physics
4	Bhumika	Physics
5	Muskan Aggarwal	Physics
6	Yogmaya Sharma	Physics
7	Pankaj Kumar Sharma	Physics
8	Poonam Rani	Physics