



MANAV RACHNA UNIVERSITY
Deemed to be Private University with Prospective for UGC 2F(12)

Department of Sciences (Physics)

**ORGANIZES
AN EXPERT TALK ON**

**Spin transport properties of
Ferromagnet/ Heavy - Metal
Heterostructure**



DR. SURBHI GUPTA

DEPARTMENT OF PHYSICS
MNNIT ALLAHABAD

22 MARCH 2024

12:00 NOON

VENUE : I BLOCK AUDITORIUM



9625796282



hodphy@mru.edu.in



TITLE - “Spin Transport Properties of Ferromagnet/Heavy-Metal Heterostructures”

Date: March 22, 2024

Venue: MG-04

Resource Persons: Prof. V.K. Jain: Dr. Surbhi Gupta, MNNIT Allahabad, Uttar Pradesh

School of Sciences (Physics Program), Manav Rachna University organized an expert talk on “*Spin Transport Properties of Ferromagnet/Heavy-Metal Heterostructures*” on 22 March, 2024, from 12 pm onwards for the UG and PG students and the faculty members.

The program was initiated with a warm welcome of the expert from the organizers, highlighting the importance of spintronics and its application to the society. The distinguished expert Dr. Surbhi Gupta delivered the talk on Spin Transport Properties of Ferromagnet/Heavy-Metal Heterostructures. The speaker emphasized the significance of spintronic devices and their role for developing memory devices. She also discussed briefly about the technologies of growing memory devices. Fundamental of spintronics were demonstrated in his talk and few results were very encouraging that were discussed with students and the faculty members.

At the end of event, students/faculty raised several queries and resource person resolved the same. The central idea of the session was to update the knowledge about nanotechnology and its applications among the students and faculty members.

The event was well-coordinated by Dr. Jitendra Pal Singh, Dr. Shiv Kumar Dixit, Dr. Deepti, Dr. Sandeep kumar, Dr. Jai Prakash, Dr. Anshumaan Sahai and all faculty members from Department of Sciences. Prof. Dinesh Kumar Sharma concluded the session with a vote of Thanks.