



**DS Kothari Centre for Research and Innovation in Science  
Education**

**Summer Workshop 2024**

**Flavors of Research:**

**Investigative Projects in Multidisciplinary Contexts**



## Summer Workshop 2024

### Flavors of Research: Investigative Projects in Multidisciplinary Contexts

The six weeks Summer Workshops 2024 for Undergraduate Science Students, was held from 13 June to 25 July 2024. 313 students participated in this DSKC workshops and carried out projects in interdisciplinary fields. These research projects were conducted in offline mode and were not granted money from any funding agency. The names of Departments, title of the projects along with the mentors and mentees are listed here.

#### BOTANY DEPARTMENT

The Department of Botany conducted the following student research projects under DSKC:

##### Project 1:

**Title of the Project:** Mitigation of Heavy metal contamination in soil by using different biofertilizers

Mentors: Dr. Deepali, Dr. Elangbam Geetanjali and Dr. Shivangi Shah

Student's Names:

- 1 Muskaan Maan, B.Sc. Life Sciences, VI, Zakir Husain Delhi College
- 2 Priya, B.Sc. (H) Botany, IV, Miranda House

##### Project 2:

**Title of the Project:** A Study on Floral Senescence and Tip Growth

Mentors: Prof. Janaki Subramanyan and Dr. Veena Beri

Student's Names:

- 1 Barha Sajid, B.Sc. (H) Biochemistry, IV, Deshbandhu College
- 2 Charvi Khanna, B.Sc. Life Sciences, VI, Zakir Husain Delhi College
- 3 Durriya Samad, B.Sc. (H) Botany, IV, Miranda House

- 4 Nishika, B.Sc. (H) Botany, IV, Miranda House
- 5 Rishav Mangar, B.Sc. (H) Botany, VI, Zakir Husain Delhi College

### **Project 3:**

**Title of the Project:** Comparative Study of Campus Compost

Mentors: Dr. Saloni Bahri and Dr. Simran Jit

Student's Names:

- 1 Ananya Rawat , B.Sc. (H) Botany, IV, Miranda House
- 2 Sakshi Sejal, B.Sc. (H) Botany, IV, Miranda House

### **Project 4:**

**Title of the Project:** Estimation of above ground biomass and carbon stock for trees and associated green spaces of Miranda House campus

Mentors: Dr. Somdutta Sinha Roy

Student's Names

- 1 Yashasvi Isha, B.Sc. (H) Botany, VI, Miranda House
- 2 Chinglembi Haobam, B.Sc. (H) Botany, VI, Miranda House
- 3 Rishika, B.Sc. Life Sciences, II, Gargi College

### **Project 5:**

**Title of the Project:** Phytoremediation of grey water generated on campus using *Eicchornia crassipes*

Mentors: Dr. Somdutta Sinha Roy, Dr. Saloni Bahri and Dr. Veena Beri

Student's Names

- 1 Vibhati Singh Verma, B.Sc. (H) Botany, IV, Miranda House

- 2 Akshita Seth, B.Sc. (H) Botany, IV, Miranda House
- 3 Geetanjali Yadav, B.Sc. (H) Botany, VI, Bhaskaracharya College of Applied Sciences
- 4 Rajy Vardhan Singh Parmar, B.Sc. (H) Botany, VI, Bhaskaracharya College of Applied Sciences

### **Project 6:**

**Title of the Project:** Seed coating technique as an effective strategy to alleviate abiotic stress

Mentors: Prof. Rashmi Shakya

Student's Names

- 1 Nirnita Ghosh, B.Sc. (H) Botany, II, Miranda House
- 2 Apeksha Priyadarshi, B.Sc. (H) Botany, II, Miranda House

### **Project 7:**

**Title of the Project:** To study the effect of herbicide on roots of *Allium cepa*

Mentors: Dr. Madhu Bajaj and Dr. Renuka Agrawal

Student's Names

- 1 Sneha, B.Sc. (H) Botany, IV, Miranda House
- 2 Nandini Rana, B.Sc. Life Sciences, IV, Miranda House
- 3 Arshia KrishnaKumar, B.Sc. Life Sciences, IV, Miranda House

### **Project 8:**

**Title of the Project:** To study the effect of insecticide on seed germination

Mentors: Dr. Madhu Bajaj, Dr. Saloni Bahri and Dr. Somdutta Sinha Roy

Student's Names

- 1 Yamini Sharma, B.Sc. Life Sciences, VI, Hans Raj College
- 2 Karan Kumar, B.Sc. Life Sciences, VI, Hans Raj College
- 3 Tribeni Sharma, B.Sc. (H) Botany, IV, Shivaji College
- 4 Naorem Shivani, B.Sc. (H) Botany, IV, Ramjas College
- 5 Shivika Kashyap, B.Sc. (H) Botany, IV, Ramjas College

## CHEMISTRY DEPARTMENT

The Department of Chemistry conducted the following student research projects under DSKC:

### Project 1:

**Title of the Project:** Green Corrosion Inhibition of Mild Steel using Common Indian Plant Extracts: A Comparative Study

Mentors: Dr. Taruna Singh and Dr. Anita Kumari

Student's Names

- 1 Nandini Verma, B.Sc. (H) Chemistry, KR Mangalam University
- 2 Shinjinee Bhattacharyya, B.Sc. (H) Chemistry, Miranda house
- 3 Vaani Danda, B.Sc. (H) Chemistry, Miranda House
- 4 Prachi Gautam, B.Sc. (H) Chemistry, Miranda House

### Project 2:

**Title of the Project:** Andrographolide loaded nanoformulations in drug delivery

Mentors: Dr. P Lishinai Paoteimai, Dr. Swati Rani

Student's Names

- 1 Husna Jan U, B.Sc. (H) Chemistry, Miranda House

### **Project 3:**

**Title of the Project:** Development of novel Quinazoline based derivatives and their application in antiviral activity

Mentors: Dr. Priyamvada Singh

Student's Names

- 1 Nandinii Biswal, B.Sc. (H) Chemistry, Miranda House
- 2 Vaishnavi Shukla, B.Sc. (H) Chemistry, Miranda House
- 3 Tinu Baliyan, B.Sc. (H) Chemistry, Miranda House
- 4 Devesh Panchal, MSc Chemistry, Department of Chemistry, University of Delhi

### **Project 4:**

**Title of the Project:** Green Synthesis

Mentors: Prof. Sharda Mahilkar Sonkar, Dr. Sujata Sengupta

Student's Names

- 1 Amala Abraham, B.Sc.(H) Chemistry, Miranda House
- 2 Anjitha P Satheesh, B.Sc.(H) chemistry, Miranda house
- 3 Nandana Narayanan, B.Sc. (H) Chemistry, Miranda house

### **Project 5:**

**Title of the Project:** Greening Qualitative Analysis: Apot Test to detect Amino Acid

Mentors: Prof. Sharda Mahilkar Sonkar, Dr. Sujata Sengupta

Student's Names

- 1 Pooja, B.Sc. (H) Chemistry, Miranda house
- 2 Monika , B.Sc. (H) Chemistry, Miranda house

### **Project 6:**

**Title of the Project:** In silicon studies on exploring the potential of flavonoids as inhibitors in the treatment of Systemic Scleroderma

Mentors: Prof. Smriti Sharma Bhatia & Dr. Mamta Sethi

Student's Names

- 1 Vrinda Sharma, B.Sc. (H) Chemistry, Miranda House

### **Project 7:**

**Title of the Project:** Modified Biochar

Mentors: Prof. Mallika Pathak, Prof. Malti Sharma, P. Lishinai and Dr. Taruna Singh

Student's Names

- 1 Aarushi, B.Sc. (H) Chemistry, Miranda house
- 2 Deepshikha Singh, B.Sc. (H) Chemistry, Miranda house

### **Project 8:**

**Title of the Project:** Photocatalysts

Mentors: Dr. Deepti Rawat and Dr. Anshika Lumb

Student's Names

- 1 Aashu Jangid, B.Sc. (H) Chemistry, Miranda house
- 2 Devika, B.Sc. (H) Chemistry, Miranda house
- 3 Numa Rizvi, B.Sc. (H) Chemistry, Kalindi College
- 4 Shalini Mishra, B.Sc. (H) Chemistry, Kalindi College

### **Project 9:**

**Title of the Project:** Recycling of Paper Cups

Mentors: Dr. Anuushka Pal

Student's Names

- 1 Shreya , B.Sc. (H) Chemistry, Miranda house
- 2 Akhila N, B.Sc. (H) Chemistry, Miranda house
- 3 Ashika K V, BSc Chemistry, Sir Syed College, University of Kannur

**Project 10:**

**Title of the Project:** Role of Artificial Intelligence in Chemistry

Mentors: Dr. P Lishinai Paoteimai, Dr. Swati Rani

Student's Names

- 1 Anila S, B.Sc. (H) Chemistry, Miranda House

**Project 11:**

**Title of the Project:** Role of Nanoparticles in Green Hydrogen Production

Mentors: Prof. Mallika Pathak

Student's Names

- 1 Manisha Sharma, Msc Chemistry, Department of Chemistry, University of Delhi

**Project 12:**

**Title of the Project:** Synthesis of nanocellulose from waste

Mentors: Dr. Anuushka Pal, Dr. Sujata Sengupta

Student's Names



- 1 Monu Kumar, BSc Life Sciences, Zakir Husain Delhi College
- 2 Hridik Dinesh, B.Sc. (H) Chemistry, Hansraj College

### **Project 13:**

**Title of the Project:** Synthesis of novel Quinolinone based derivatives for antimalarial drug discovery

Mentors: Dr. Priyamvada Singh

Student's Names

- 1 Anupam Jaglan, MSc Chemistry, Department of Chemistry, University of Delhi
- 2 Lucky Panwar, B.Sc. (H), Chemistry, Hansraj College
- 3 Aarti Nain, B.Sc. (H) Chemistry, Miranda House
- 4 Vanshika, B.Sc. (H) Chemistry, Miranda House

### **Project 14:**

**Title of the Project:** Synthesis, characterisation and application of mixed metal oxide nanoparticles

Mentors: Prof. Mallika Pathak, Prof. Malti Sharma, P Lishinai Paoteimai, Dr. Taruna Singh

Student's Names

- 1 Riya, B.Sc. (H) Chemistry, Kalindi College
- 2 Molishree Mittal, B.Sc. (H) Chemistry, Miranda House
- 3 Amitesh Mahato, B.Sc. (H) Chemistry, Deshbandu College
- 4 Ritul Kumari, B.Sc. Life Science, Ramjas College
- 5 Khushi, B.Sc. (H) Chemistry, Kalindi College
- 6 Manya Yadav, B.Sc. (H) Chemistry, Ramjas College
- 7 Priyanka Mishra, B.Sc. (H) Chemistry, Kalindi College

**Project 15:**

**Title of the Project:** Synthesis, Characterization and potential application of metal oxide nanoparticles

Mentors: Prof. Kalawati Saini, Dr.Nutan Rani, Dr. Swati Rani, Dr. Sapna Yadav

Student's Names

- 1 Padmakshi Majoka, B.Sc. (H) Chemistry, Miranda House
- 2 Komal Yadav, B.Sc. (H) Chemistry, Miranda House
- 3 Anshika Singhal, B.Sc. (H) Chemistry, Miranda House
- 4 Nidhi, B.Sc. (H) Chemistry, Kalindi college
- 5 Mansi Kushwaha, B.Sc. (H) Chemistry, Miranda House
- 6 Aayushi Sharma, B.Sc. (H) Chemistry, Miranda house

**Project 16:**

**Title of the Project:** Synthesis, Properties of Mxene and their application in sensor

Mentors: P Lishinai Paoteimai, Dr. Swati Rani

Student's Names

- 1 Laya V Thomas, B.Sc. (H) Chemistry, Miranda House

**COMPUTER SCIENCE DEPARTMENT**

The Department of Computer Science conducted the following student research projects under DSKC:

**Project 1:**

**Title of the Project:** Analysis of various climate change parameters in India using machine learning

Mentors: Dr. Seema Aggarwal and Dr. Tarun Kumar Gupta

Student's Names

1. Abhishek, B. Tech. Computer Science and Social Sciences, IV, Indraprasth Institute of Information Technology Delhi
2. Abhishek Sharma, B.Tech. Computer Science and Engineering, VI, PDM University

### **Project 2:**

**Title of the Project:** Galaxy Morphology using CNN Models

Mentors: Dr. Seema Aggarwal and Dr. Tarun Kumar Gupta

Student's Names

1. Ashish Kaushik, B.Tech CSE(H) - Information Security, III, Chandigarh University
2. Nancy Chauhan, B.Sc (H.) Physics, V, Rajdhani College, University of Delhi
3. Pari Kansal, B.Sc (H.) Physics, V, Rajdhani College, University of Delhi

### **Project 3:**

**Title of the Project:** Machine Learning-Based Intrusion Detection on Multi-Class Imbalanced Dataset Using SMOTE

Mentors: Dr. Seema Aggarwal and Dr. Tarun Kumar Gupta

Student's Names

1. Shraddha Dixit, B.Sc. Physical Science, VI, Miranda House, University of Delhi
2. Kushi Dixit, B.Tech. Electronics and Communication Engineering, II, Faculty of Technology University of Delhi

### **Project 4:**

**Title of the Project:** Mars Image Recognition and Classifier

Mentors: Dr. Seema Aggarwal and Dr. Tarun Kumar Gupta

Student's Names

1. Prakhar Patel, B.Sc. Physical science with Electronics, II, Shyam Lal College, University of Delhi
2. Aditya kumar, B.Sc. Physical science with Electronics, II, Shyam Lal College, University of Delhi

### **Project 5:**

**Title of the Project:** Multi-Class Classification of YouTube Comments

Mentors: Dr. Seema Aggarwal and Dr. Tarun Kumar Gupta

Student's Names

1. Pragya Ranjan, B.A. (H) English, IV, Miranda House, University of Delhi
2. Dinesh Yadav, B. Tech. Information Technology and Mathematical Innovation, IV, Cluster innovation centre, University of Delhi

### **Project 6:**

**Title of the Project:** Multiple disease prediction using Machine Learning

Mentors: Dr. Seema Aggarwal and Dr. Tarun Kumar Gupta

Student's Names

1. Adya Wadhwa, B.Tech. Artificial Intelligence and Machine Learning, VI, University School of Automation and Robotics, Guru Gobind Singh Indraprastha, University East-Delhi Campus, Delhi

### **Project 7:**

**Title of the Project:** Plant leaf Disease Detection using machine learning Technique

Mentors: Dr. Seema Aggarwal and Dr. Tarun Kumar Gupta

## Student's Names

1. Harsha, B.Sc. (H) Botany, VI, Miranda House, University of Delhi
2. Ayushi Yadav, B.Sc. (H) Mathematics, II, Miranda House, University of Delhi

## GEOGRAPHY DEPARTMENT

The Department of Geography conducted the following student research projects under DSKC:

### Project 1:

**Title of the Project:** Agricultural Productivity and Precipitation Trends in North Eastern States of India

Mentors: Prof. Bashabi Gupta, Dr. Ankita Medhi

## Student's Names

1. Aakanksha Singh, BA Geography Honours, Kalindi College

### Project 2:

**Title of the Project:** Spatio-Temporal Change Analysis of Urban Sprawl of Guwahati, Assam

Mentors: Prof. Bashabi Gupta, Dr. Ankita Medhi

## Student's Names

- 1 Rituja Das, BA Geography Honours, Kamala Nehru College

### Project 3:

**Title of the Project:** Systematic Literature Review nad Bibliometric Analysis of Biodiversity Conservation in North East India

Mentors: Prof. Bashabi Gupta, Dr. Ankita Medhi

Student's Names

- 1 Shiwachi Singh, BA Geography Honours, Shyama Prasad Mukherjee College

## **MATHEMATICS DEPARTMENT**

The Department of Mathematics conducted the following student research projects under DSKC:

### **Project 1:**

**Title of the Project:** A Mathematical Reflection of COVID-19 in India and a Comparative Study of lockdown in some states during first phase of COVID-19 pandemic

Mentors: Prof. Monika Arora, Dr. Jyoti Talwar, Ms. Apeksha, Dr. Durvesh Kumar Verma

Student's Names

- 1 Imandar Saikia, B.Sc. (H) Mathematics, IV, Hindu College, University of Delhi
- 2 Vivek Pandey, B.Sc. (H) Mathematics, IV, Zakir Husain Delhi College, University of Delhi
- 3 Vinit Kumar Singh, B.Sc. (H) Mathematics, II, Shyam Lal College, University of Delhi

### **Project 2:**

**Title of the Project:** Statistical Dynamics of seasonal impact and subscription on e-shopping

Mentors: Prof. Monika Arora, Dr. Jyoti Talwar, Ms. Apeksha, Dr. Durvesh Kumar Verma

Student's Names

- 1 Vitanshi Yadav, B.Sc. (H) Mathematics, II, Miranda House, University of Delhi
- 2 Pooja, B.Sc. (H) Mathematics, IV, Miranda House, University of Delhi
- 3 Aadya Agarwal, B.Sc. (H) Mathematics, II, Miranda House, University of Delhi

### **Project 3:**

**Title of the Project:** The Hill Cipher Approach to Data Encryption: A study

Mentors: Prof. Monika Arora, Dr. Jyoti Talwar, Ms. Apeksha, Dr. Durvesh Kumar Verma

Student's Names

- 1 Mehak Gupta, B.Sc. (H) Mathematics, II, Miranda House, University of Delhi
- 2 Shriyans Tirucherai, B.Sc. (H) Mathematics, IV, Zakir Husain Delhi College, University of Delhi

## **PHYSICS DEPARTMENT**

The Department of Physics conducted the following student research projects under DSKC:

### **Project 1:**

**Title of the Project:** Acoustic Levitation

Mentors: Dr. Mallika Verma, Prof. Monika Tomar, Dr. Bilasini Naorem, Dr. Vineeta

Student's Names

- 1 Khushboo Gangwar, B.Sc. (H) Physics, V, Miranda House, University of Delhi
- 2 Nancy Kumari, B.Sc. (H) Physics, V, Miranda House, University of Delhi
- 3 Chhaya Gautam, B.Sc. (H) Physics, V, Miranda House, University of Delhi

### **Project 2:**

**Title of the Project:** Al:ZnO thin films for Thermoelectric Energy Harvesting Applications

Mentors: Dr. Anjali Sharma, Ms. Jaishree Chaudhary, Prof. Monika Tomar, Dr. Mallika Verma

Student's Names

- 1 Kangleikhonbi Maibam, B.Sc. (H) Physics, IV, Miranda House, University of Delhi
- 2 Priya Burdak, B.Sc. (H) Physics, IV, Miranda House, University of Delhi
- 3 Siddharth Bora, B.Sc. (H) Physics, IV, ARSD, University of Delhi
- 4 Dhruv Verma, B.Sc. (H) Physics, IV, ARSD, University of Delhi

### **Project 3:**

**Title of the Project:** Analysing Baryonic Acoustic Oscillations with MCMC: Insights from DESI data on tracers

Mentors: Dr. Abha Dev Habib and Dr. Nisha Rani

Student's Names

- 1 Bhumika, B.Sc. (H) Physics, II, Miranda House, DU
- 2 Km Vandana Sharma, B.Sc. (H) Physics, II, Miranda House, DU
- 3 Jasleen Walia, B.Sc. (H) Physics, IV, Sri Venkateswara College, DU

### **Project 4:**

**Title of the Project:** Automatic Room air monitoring and Purification system

Mentors: Dr. Mallika Verma, Prof. Monika Tomar, Dr. Bilasini Naorem, Dr. Vineeta

Student's Names

- 1 Mahvish Fatima, B.Sc. (H) Physics, III, NIT, Alhabad
- 2 shreya Pal, B.Sc. (H) Physics, III, Daulat Ram College, University of Delhi
- 3 Saumya Pal, B.Sc. (H) Physics, III, Miranda House, University of Delhi

### **Project 5:**

**Title of the Project:** Automation of Gas sensors



Mentors: Dr. Mallika Verma, Prof. Monika Tomar, Dr. Bilasini Naorem, Dr. Vineeta

Student's Names

- 1 Garima, B.Sc. (H) Physics, III, Miranda House, University of Delhi
- 2 Ankita Patwar, B.Sc. (H) Physics, III, Miranda House, University of Delhi
- 3 Jasmin Kaur, B.Sc. (H) Physics, III, Miranda House, University of Delhi
- 4 Ayushi Gupta, B.Sc. (H) Physics, III, Miranda House, University of Delhi

### **Project 6:**

**Title of the Project:** Automation of Lab experiments

Mentors: Dr. Mallika Verma, Prof. Monika Tomar, Dr. Bilasini Naorem, Dr. Vineeta

Student's Names

- 1 Palak, B.Sc. (H) Physics, III, Miranda House, University of Delhi
- 2 Palak Tak, B.Sc. (H) Physics, III, Miranda House, University of Delhi
- 3 Jyoti Kumari, B.Sc. (H) Physics, III, Shaheed Rajguru College of Applied Sciences
- 4 Divya Dhaka, B.Sc. (H) Physics, III, Miranda House, University of Delhi

### **Project 7:**

**Title of the Project:** Characterisation of Nano Particles using Image Processing

Mentors: Dr. Sonam Singh, Dr. Nirmala Saini

Student's Names

- 1 Suraj Singh, B.Sc. (H) Physics, II, Ramjas College, University of Delhi
- 2 Saksham Baloni, B.Sc. (H) Physics, II, Ramjas College, University of Delhi
- 3 Prachi, B.Sc. (H) Physics, II, Miranda House, University of Delhi
- 4 Rupanshi Pal, B.Sc. (H) Physics, II, Miranda House, University of Delhi

**Project 8:**

**Title of the Project:** Comparative study of lambda- CDM and VI order cosmological model using Supernova IA

Mentors: Dr. Abha Dev Habib and Dr. Nisha Rani

Student's Names

- 1 Ankit Sharma, B.Sc. (H) Physics, II ,Rajdhani College, DU
- 2 Aryan Kumar Mandal, B.Sc. (H) Physics, II, Rajdhani College, DU
- 3 Keshav Sharma, B.Sc. (H) Physics, II, Rajdhani College, DU
- 4 Shruti Gera, B.Sc. (H) Physics, Second Year, Ramjas College, DU

**Project 9:**

**Title of the Project:** Comparing muon flux at different latitudes

Mentors: Ms. Zarina Banoo, Dr. Nitish, Dr. Nisha Rani

Student's Names

- 1 Pratigya, B.Sc. (H) Physics, iii, Miranda House, University Of Delhi
- 2 Mooktawali, B.Sc. (H) Physics , V, Rajdhani College, University Of Delhi
- 3 Baktiar Wasir Farooq, B.Sc. (H) Physics, iii, Kirori Mal College, University Of Delhi

**Project 10:**

**Title of the Project:** Constraining Cosmological Parameters Using Cosmic Chronometers

Mentors: Dr. Abha Dev Habib and Dr. Nisha Rani

Student's Names

- 1 Ayush Kumar Yadav, B.Sc. Physical Science with Electronics, II, Shyam Lal College, DU

- 2 Namrata Upadhyay, B.Sc. (H) Physics, II, Bhagini Nivedita College, DU
- 3 Sangam, B.Sc. (H) Physics, II, Bhagini Nivedita College, DU

### **Project 11:**

**Title of the Project:** Constraining cosmological parameters using quasars as standard candles

Mentors: Dr. Abha Dev Habib and Dr. Nisha Rani

Student's Names

- 1 Grace Lamneihat Kipgen, B.Sc. (H) Physics, IV, Miranda House, DU
- 2 Namrata Kumari, B.Sc. (H) Physics, IV, Miranda House, DU
- 3 Rigzen lances, B.Sc. (H) Physics, IV, Miranda House, DU
- 4 Sumaya Rahman, B.Sc. (H) Physics , IV, Miranda House, DU

### **Project 12:**

**Title of the Project:** Crystal structure and Optical Properties of Ga<sub>2</sub>O<sub>3</sub> thin films

Mentors: Mr. Bishm Pratap Dev, Dr. Anjali Sharma, Prof. Monika Tomar, Dr. Mallika Verma

Student's Names

- 1 Rati Singh, B.Sc. (H) Physics, VI, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi
- 2 Dev Raj, BS MS Natural Sciences, II, IISER, Bhopal
- 3 Shruti Paliwal, B.Sc. (H) Physics, VI, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi
- 4 Neha N. Khalid, B.Sc. (H) Physics, IV, Ramjas College, University of Delhi

### **Project 13:**

**Title of the Project:** Deepfake Video Detection using Image Processing

Mentors: Dr. Nirmala Saini, Dr. Sonam Singh, Dr. Tarun Kumar Gupta

Student's Names

- 1 Sapna Singla, B.Sc. (H) Physics, III, Miranda House, University of Delhi
- 2 Priyanka, B.Sc. (H) Physics, III, Miranda House, University of Delhi
- 3 Yukta, B.Sc. APS, II, Rajdhani college, Delhi University

### **Project 14:**

**Title of the Project:** Dependence of temperature on the cosmic muon flux

Mentors: Ms. Zarina Banoo, Dr. Nitish, Dr. Nisha Rani

Student's Names

- 1 Muskan, B.Sc. (H) Physics, Vi, Miranda House, University Of Delhi
- 2 Leena, B.Sc. (H) Physics, Vi, Miranda House, University Of Delhi
- 3 Priyamvada, B.Sc. (H) Physics, Vi, Miranda House, University Of Delhi

### **Project 15:**

**Title of the Project:** Dielectric properties of PZT and KNN thin films with variation in temperature and frequency

Mentors: Dr. Reema Gupta, Ms. Babita Sharma, Prof. Monika Tomar and Dr. Mallika Verma

Student's Names

- 1 Tinu Choudhary, B.Sc. (H) Physics, IV, Miranda House, University of Delhi
- 2 Mansi, B.Sc. (H) Physics IV, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi
- 3 Kartik Solanki, B.Sc. (H) Physics, II, DCRUST, Murthal

### **Project 16:**

**Title of the Project:** Effect of NiFeO<sub>3</sub> on the ferroelectric properties of KNN-PVDF polymer sheets

Mentors: Dr. Reema Gupta, Ms. Babita Sharma, Prof. Monika Tomar and Dr. Mallika Verma

Student's Names

- 1 Kripa Swarnkar, B.Sc. (H) Physics, VI, Miranda House, University of Delhi
- 2 Riya Rohlan, B.Sc. (H) Physics VI, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi
- 3 Abijith Benny, B.Sc. (H) Physics, VI, Hindu College, University of Delhi
- 4 Rohit Verma, M.Sc. Physics, II, Department of Physics and Astrophysics, University of Delhi

### **Project 17:**

**Title of the Project:** Electrical properties of Al:PS; GR:Al:PS and CF:GR:Al:PS sheets

Mentors: Ms. Babita Sharma, Prof. Monika Tomar and Dr. Mallika Verma

Student's Names

- 1 Aniket, M.Sc. Physics, II, Department of Physics and Astrophysics, University of Delhi
- 2 Nishtha, M.Sc. Physics, II, Department of Physics and Astrophysics, University of Delhi
- 3 Himanshu, M.Sc. Physics, II, Department of Physics and Astrophysics, University of Delhi
- 4 Sonu Regar, M.Sc. Physics, II, Department of Physics and Astrophysics, University of Delhi

### **Project 18:**

**Title of the Project:** Extra-tidal region Galactic Globular Cluster (NGC 6093)

Mentors: Dr. Richa Kundu

Student's Names

- 1 Namashya Gogoi, B.Sc. (H) Physics, Graduate, Miranda House
- 2 Jagrit Rajora, B.Sc. (H) Physics, Graduate, Rajdhani college
- 3 Sruthy S, B.Sc. (H) Physics, VI, Hindu College
- 4 Prakriti Pandey, B.Sc. (H) Physics, V, Miranda House
- 5 Paarvi Wadhwa, B.Sc. (H) Physics, V, Atma Ram Santan Dharma College

### **Project 19:**

**Title of the Project:** Extra-tidal region of galactic globular cluster-NGC 4833

Mentors: Dr. Richa Kundu

Student's Names

- 1 Udesha Borgohain, B.Sc. (H) Physics, V, Miranda House
- 2 Sudiksha Badhani, B.Sc. (H) Physics, V, Miranda House
- 3 Shruti Kaira, B.Sc. (H) Physics, V, Miranda House
- 4 Riya Yadav, B.Sc. (H) Physics, V, Miranda House

### **Project 20:**

**Title of the Project:** Galactic Shadows: The dark to luminous matter ratio in galaxies

Mentors: Dr. Abha Dev Habib and Dr. Nisha Rani

Student's Names

- 1 Kajal, B.Sc. (H) Physics, IV finishing, Miranda House, DU
- 2 Nilanjana Bagchi Aurpa, B.Sc. (H) Physics IV, Miranda House, DU
- 3 Rashika Sahu, B.Sc. (H) Physics IV, ARSDCollege, DU
- 4 Tanya B.Sc. (H) Physics IV Miranda House, DU

### **Project 21:**

**Title of the Project:** Green synthesized Molybdenum Oxide based biosensor for Bilirubin detection

Mentors: Dr. Neha Batra Bali, Dr. Bilasini Naorem, Mr. Jatinder Pal Singh, Prof. Monika Tomar, Dr. Mallika Verma

Student's Names

- 1 Purohit Chirag, B.Sc. (H) Physics, V, KMC, University of Delhi
- 2 Sreejan Rayhan, B.Sc. (H) Physics, V, Ramjas College, University of Delhi
- 3 Tejaswita, B.Sc. (H) Physics, V, Miranda House, University of Delhi
- 4 Lipi Singh, B.Sc. (H) Physics, V, Miranda House, University of Delhi

### **Project 22:**

**Title of the Project:** Green synthesis of Ni:SnO<sub>2</sub> nanoparticles for gas sensing applications

Mentors: Prof. Arijit Chowdhuri, Mr. Jatinder P. Singh, Dr. Anjali Sharma, Prof. Monika Tomar, Dr. Mallika Verma

Student's Names

- 1 Mehak Rani, B.Sc. (H) Physics, IV, Miranda House, University of Delhi
- 2 Aastha Sharma, B.Sc. (H) Physics, IV, Miranda House, University of Delhi
- 3 Payal, B.Sc. (H) Physics, IV, Miranda House, University of Delhi
- 4 Archit Gupta, M.Sc. Physics, II, Department of Physics and Astrophysics, University of Delhi

### **Project 23:**

**Title of the Project:** Hydrothermal growth of MoO<sub>3</sub> nanostructures for NH<sub>3</sub> sensing

Mentors: Mr. Jatinder Pal Singh, Prof. Monika Tomar, Dr. Mallika Verma

Student's Names

- 1 Anur Khurana, M.Sc. Physics, II, Department of Physics and Astrophysics, University of Delhi
- 2 Piyush, M.Sc. Physics, II, Department of Physics and Astrophysics, University of Delhi
- 3 Lovedeep Rana, M.Sc. Physics, II, Department of Physics and Astrophysics, University of Delhi

**Project 24:**

**Title of the Project:** Instantons in General Relativity

Mentors: Dr. Nitish

Student's Names

- 1 Dhanvarshini K, Integrated M.Sc. Physics, IV, Central University of Tamil Nadu
- 2 Ananya Sharma, B.Sc. (H) Physics, IV, Kirori Mal College, University of Delhi

**Project 25:**

**Title of the Project:** Integrated Medical Device

Mentors: Dr. Mallika Verma, Dr. Monika Tomar, Dr. Bilasini Naorem, Dr. Vineeta

Student's Names

- 1 Yash, B.Sc. (H) Physics, V, Kirorimal College, University of Delhi
- 2 Priyanshi Khandelwal, B.Sc. (H) Physics, Completed, Kirorimal College, University of Delhi
- 3 Aditya Raj Singh, B.Sc. (H) Physics Completed, Kirorimal College, University of Delhi
- 4 Aditya kumar behera, B.Sc. (H) Physics, III, Kirorimal College, University of Delhi

**Project 26:**

**Title of the Project:** Magnetospheric field variation effect on Muon flux



Mentors: Ms. Zarina Banoo, Dr. Nitish, Dr. Nisha Rani

Student's Names

- 1 Neelaksh, B.Sc. (H) Physics, V, ARSD College, University Of Delhi
- 2 Deepanshu, B.Sc. (H) Physics, Graduate, Kirori Mal College, University Of Delhi
- 3 Siya, B.Sc. (H) Physics, Vi, Miranda House, University Of Delhi
- 4 Neha Vk, B.Sc. (H) Physics, Vi, Miranda House, University Of Delhi

**Project 27:**

**Title of the Project:** Measurement of Muon lifetime

Mentors: Ms. Zarina Banoo, Dr. Nitish, Dr. Nisha Rani

Student's Names

- 1 Nakul, B.Sc. (H) Physics, Vi, Rajdhani College, University Of Delhi
- 2 Anjali P, B.Sc. (H) Physics, Graduate, Miranda House, University Of Delhi
- 3 Fathima, B.Sc. (H) Physics, Miranda House, University Of Delhi
- 4 Afreena A K, B.Sc. (H) Physics, Graduate, Miranda House, University Of Delhi

**Project 28:**

**Title of the Project:** Measuring 'g' using Simple and Bar Pendulum using Image Processing Techniques

Mentors: Dr. Sonam Singh, Dr. Nirmala Saini

Student's Names

- 1 Shreya Garg, B.Sc. (H) Physics, II, Miranda House, University of Delhi
- 2 Daidipya, B.Sc. (H) Physics, II, Miranda House, University of Delhi
- 3 Aarju, B.Sc. (H) Physics, II, Miranda House, University of Delhi

- 4 Anika, B.Sc. (H) Physics, II, Miranda House, University of Delhi
- 5 Komal Bhatt, B.Sc. (H) Physics, III, Miranda House, University of Delhi

**Project 29:**

**Title of the Project:** Optical Image Encryption

Mentors: Dr. Nirmala Saini and Dr. Sonam Singh

Student's Names

- 1 Khushi, B.Sc. (H) Physics, II, Miranda House, University of Delhi
- 2 Geetanjali, B.Sc. (H) Physics, II, Miranda House, University of Delhi
- 3 Kanak, B.Sc. (H) Physics, II, Miranda House, University of Delhi
- 4 Shikha Rana, B.Sc. (H) Physics, II, Miranda House, University of Delhi

**Project 30:**

**Title of the Project:** Parametric analysis of BLH stars

Mentors: Dr. Richa Kundu, Dr. Susmita Das & Mr. Nitesh

Student's Names

- 1 Deepak, B.Sc. (H) Physics, V, Rajdhani college
- 2 Aditya kumar, B.Sc. (H) Physics, V, Rajdhani college
- 3 Ishika kumari, B.Sc. (H) Physics, VI, Kalindi college
- 4 Vanshika, B.Sc. (H) Physics, V, Ramjas College
- 5 Jaismee, B.Sc. (H) Physics, VI, Kalindi College

**Project 31:**

**Title of the Project:** Performance study of CRMD (cosmic ray muon detector) detector

Mentors: Ms. Zarina Banoo, Dr. Nitish, Dr. Nisha Rani

Student's Names

- 1 Amanjot Kaur, B.Sc. (H) Physics, Vi, Miranda House, University Of Delhi
- 2 Akanksha Patel, B.Sc. (H) Physics, Vi, Miranda House, University Of Delhi
- 3 Anjana Kori, B.Sc. (H) Physics, Vi, Miranda House, University Of Delhi
- 4 Ayushi, B.Sc. (H) Physics, Vi, Miranda House, University Of Delhi

**Project 32:**

**Title of the Project:** Photometric and kinematic studies of young star clusters: Alessi 3

Mentors: Dr. Richa Kundu & Dr. Neelam Panwar

Student's Names

- 1 Chhavia Ghildiyal, B.Sc. (H) Physics, V, Atma Ram Sanatan Dharma
- 2 Nikhil Kaushik, B.Sc. (H) Physics, V, Atma Ram Sanatan Dharma College
- 3 Khushboo, B.Sc. (H) Physics, V, Bhagini Nevedita College University Of Delhi
- 4 Abhishek, B.Sc. (H) Physics V, Atma Ram Sanatan Dharama College

**Project 33:**

**Title of the Project:** Photometric and Kinematic studies of young star clusters: Melotte 111

Mentors: Dr. Richa Kundu & Dr. Neelam Panwar

Student's Names

- 1 Shubham Goyal, B.Sc. (H) Physics, VI, Deshbandhu College
- 2 Shruti Prashad, B.Sc. (H) Physics, V, Miranda House
- 3 Pryanhu Basur, B.Sc. (H) Physics, VI, Kirori Mal College
- 4 Monu, B.Sc. (H) Physics, VI, Deshbandhu College

**Project 34:**

**Title of the Project:** QCM based NO<sub>2</sub> gas sensor utilizing Nanostructured MoO<sub>3</sub> as sensing layer

Mentors: Prof. Arijit Chowdhuri, Mr. Ajay K. Sao, Mr. Jatinder P. Singh, Dr. Anjali Sharma, Prof. Monika Tomar, Dr. Mallika Verma

Student's Names

- 1 Shubhra Priyadarshini, B.Sc. (H) Physics, V, ANDC, University of Delhi
- 2 Kausthub Rawat, B.Sc. Physical Sciences, V, ANDC, University of Delhi
- 3 Ayush Kumar Chaubey, B.Sc. (H) Physics, V, ANDC, University of Delhi
- 4 Harsh Agrahari, B.Sc. (H) Physics, V, ANDC, University of Delhi

**Project 35:**

**Title of the Project:** Smart Attendance System

Mentors: Dr. Sonam Singh, Dr. Nirmala Saini

Student's Names

- 1 Priyanshu Mamgain, B.Sc. (H) Physics, III, Kirori Mal College, University of Delhi
- 2 Aryan Khare, B.Sc. (H) Physics, III, Deshbandhu College, University of Delhi
- 3 Anjali, B.Sc. (H) Physics, II, Miranda House, University of Delhi
- 4 Muskan, B.Sc. (H) Physics, II, Miranda House, University of Delhi
- 5 Jayati Rajput, B.Sc. (H) Physics, II, Miranda House, University of Delhi

**Project 36:**

**Title of the Project:** Statistical Properties of Quantum Systems: A Study on Random Matrix Theory

Mentors: Dr. Ambuja Bhushan Jaiswal

Student's Names

- 1 Akshita, B.Sc. (H) Physics, V, Atma Ram Sanatan Dharma

**Project 37:**

**Title of the Project:** Statistical tools for Cosmology

Mentors: Dr. Abha Dev Habib, Dr. Nisha Rani

Student's Names

- 1 Ajay, B.Tech in Chemical Engineering, Delhi Technical University
- 2 Deepak, B.Tech in Chemical Engineering, Delhi Technical University
- 3 Ujjwal Yadav, B.Sc. (H) Physics, IV, Rajdhani College, DU

**Project 38:**

**Title of the Project:** Stellar variability

Mentors: Dr. Richa Kundu

Student's Names

- 1 Neha, B.Sc. (H) Physics, V, Miranda House
- 2 Nikita, B.Sc. (H) Physics, V, Miranda House
- 3 Manish, B.Sc. (H) Physics, V, Ramjas College
- 4 Khushi, B.Sc. (H) Physics, V, Miranda House

**Project 39:**

**Title of the Project:** Studies on dielectric properties of metal thin films using SPR technique

Mentors: Dr. Reema Gupta, Dr. Bilasini Naorem, Ms. Babita Sharma, Mr. Jatinder Pal Singh, Prof. Monika Tomar, Dr. Mallika Verma

Student's Names

- 1 Harshita Gaur, M.Sc. Physics, Completed, IIT Roorkee
- 2 Reena Sharma, B.Sc. (H) Physics, V, KMC, University of Delhi
- 3 Abhishek Goyal, B.Sc. (H) Physics, VI, Hansraj College, University of Delhi
- 4 Anita, M.Sc. Physics, III, Department of Physics and Astrophysics, University of Delhi

### **Project 40:**

**Title of the Project:** Using FRB data to constrain cosmological parameters and dispersion measure of host galaxy

Mentors: Dr. Abha Dev Habib, Dr. Nisha Rani

Student's Names

- 1 Anant Singh, B.Sc. (H) Physics, Graduated, Rajdhani College, DU
- 2 Deepanshi Singh, M.Sc. Physics, II, University of Delhi

### **Project 41:**

**Title of the Project:** Statistical Properties of Quantum Systems: A Study on Random Matrix Theory

Mentors: Dr. Ambuja Bhushan Jaiswal

Student's Names

1. Akshita, B.Sc. (H) Physics, V, Atma Ram Sanatan Dharma College, University of Delhi

## ZOOLOGY DEPARTMENT

The Department of Zoology conducted the following student research projects under DSKC:

### Project 1:

**Title of the Project:** A study of TB exposure and Vitamin D levels in young subjects

Mentors: Prof. Sadhna Sharma, Dr. Monika Sharma

Student's Names

- 1 Apurva Singh, B.Sc (H) Biochemistry, IV, Daulat Ram College, University of Delhi
- 2 Riddhi Ahuja, B.Sc. Life Sciences, VI, Miranda House, University of Delhi
- 3 Anwasha Shree, B.Sc. Life Sciences, IV, Ramjas College, University of Delhi

### Project 2:

**Title of the Project:** A Survey-Based Empirical Research on Cervical Cancer: Awareness, Vaccination and Policy Impact

Mentors: Dr. Nisha Vashishta, Dr. Reetuparna Basak and Dr. Bhawna Chuphal

Student's Names

- 1 Anjali Singh, B.Sc (H) Zoology, II, Miranda House, University of Delhi
- 2 Arshita Sharma, B.Sc (H) Zoology, II, Kirorimal college, University of Delhi
- 3 Gungun Kaur, B.Sc (Prog.) Life Sciences, 4 , SGTB Khalsa College, University of Delhi
- 4 Harshit Shaurya, B.Sc (Prog.) Life Sciences, II, Hansraj college, University of Delhi
- 5 Jahnvi, B.Sc (H) Zoology, II, Kirorimal college, University of Delhi
- 6 Kiran Kushwaha, B.Sc (H) Zoology, 2 , Miranda House, University of Delhi

- 7 Komal, B.Sc (H) Zoology, II, Miranda House, University of Delhi
- 8 Kumari Alka, B.Sc (H) Zoology, II, Miranda House, University of Delhi
- 9 Manvi Raina, B.Sc (H) Zoology, II, Hansraj college, University of Delhi
- 10 Megha, B.Sc (Prog.) Life Sciences, IV, Miranda House, University of Delhi
- 11 Mudit Varshney, B.Sc (Prog.) Life Sciences, II, Hansraj college, University of Delhi
- 12 Pratyasha Gautam, B.Sc (Prog.) Life Sciences, IV, Hansraj College, University of Delhi
- 13 Radhika Soni, B.Sc (H) Zoology, VI, Miranda House, University of Delhi
- 14 Saksham, B.Sc (Prog.) Life Sciences, II, Hansraj college, University of Delhi
- 15 Sakshi Nayak, B.Sc (H) Biotechnology, IV, GD Goenka university
- 16 Sanskriti, B.Sc (Prog.) Life Sciences, IV, Miranda House, University of Delhi
- 17 Sinjini Dutta, B.Sc (H) Zoology, II, SGTB Khalsa College, University of Delhi
- 18 Surbhi Tikania, B.Sc (Prog.) Life Sciences, IV, Miranda House, University of Delhi
- 19 Tanya Diga, B.Sc (H) Biotechnology, IV, GD Goenka university

### **Project 3:**

**Title of the Project:** Air pollution: Bioaerosols and Atmospheric Modification: A deadly combination to choke you

Mentors: Prof. Rekha Kumari, Dr. Joni Yadav

Student's Names

- 1 Arpit Karan , B.Sc. Life sciences, Hans Raj College
- 2 Aman Thakur, B.Sc. (H) Zoology, Sri Guru Tegh Bahadur Khalsa College

### **Project 4:**

**Title of the Project:** Ashwagandha Alchemy: a synergistic symphony of gut microbes and developmental shifts in *Drosophila melanogaster*.



Mentors: Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal

Student's Names

- 1 Diya Bamba, Bsc. (H) Zoology, II, Miranda House, University of Delhi
- 2 Ayushi, Bsc. (H) Zoology, II, Miranda House, University of Delhi
- 3 Kusum Gupta, Bsc. (H) Zoology, II, Miranda House, University of Delhi
- 4 Paakhi Bansal , Bsc. (P) Life Science, II, Miranda House, University of Delhi
- 5 Richa Yadav, Bsc. (P) Life Science, II, Miranda House, University of Delhi

### **Project 5:**

**Title of the Project:** Comparative Study of Campus Compost

Mentors: Dr. Simran Jit, Dr. Saloni Bahri

Student's Names

- 1 Ananya Rawat, B.Sc. (H) Botany, IV, Miranda House
- 2 Sakshi Sejal, B.Sc. (H) Botany, IV, Miranda House

### **Project 6:**

**Title of the Project:** Detection of Mycobacterial antigens in exosomes derived from blood and urine samples

Mentors: Prof. Sadhna Sharma, Dr. Monika Sharma

Student's Names

- 1 Pratik Katekar, BS+MS combined programme, IISER Bhopal
- 2 Sneha Shree, BS+MS combined programme, IISER Bhopal
- 3 Yashika Yadav, B.Sc (H) Zoology, II, Kirorimal college, University of Delhi

### **Project 7:**

**Title of the Project:** Evaluation of Antibiotic Potential of Green Polymeric Nanoparticles using ESKAPE Panel

Mentors: Prof. Rekha Kumari, Dr. Deepak Yadav

Student's Names

- 1 Averi Dubey, B.Sc. (H) Microbiology, Shaheed Rajguru College of Applied Sciences for Women, DU
- 2 Tulip Nirnayika Mohanty, B.Sc. (H) Microbiology, Shaheed Rajguru College of Applied Sciences for Women, DU
- 3 Soni Yadav, B.Sc. (H) Microbiology, Shaheed Rajguru College of Applied Sciences for Women, DU
- 4 Shikha, B.Sc. (H) Zoology, Miranda House
- 5 Suhani Khandelwal, B.Sc. Life Science, Miranda House

### **Project 8:**

**Title of the Project:** Fabrication of Polymeric Nanoparticles and assessment of their antimicrobial potential

Mentors: Dr. Deepak Yadav, Prof. Rekha Kumari, Dr. Joni Yadav

Student's Names

- 1 Harshit Bhandari, B.Sc. Life Science, Deen Dayal Upadhyaya
- 2 Prashant, Int. B.Sc. (H) Msc Zoology, Cental University of Jammu
- 3 Priyanka, B.Sc. (H) Zoology, Miranda House
- 4 Rashmi Sharma, B.Sc. (H), Zoology, Gargi
- 5 Ritika Raj Das, B.Sc. (H), Zoology, Gargi
- 6 Shikha, B.Sc. (H) Zoology, Miranda House
- 7 Suhani Khandelwal, B.Sc. Life Science, Miranda House
- 8 Supriya, B.Sc. (H) Zoology, Miranda House

- 9 Vaishnavi Patwal, B.Sc. (H) Zoology, Gargi
- 10 Amreet Kaur, B.Sc. (H) Zoology, Miranda House
- 11 Alina, B.Sc. (H) Zoology, Miranda House

**Project 9:**

**Title of the Project:** Factors impacting evolution of gut microbial resistomes in infants

Mentors: Prof. Rekha Kumari, Dr. Joni Yadav

Student's Names

- 1 Shubhangi Srivastava, B.Sc. Life sciences, Hans Raj College
- 2 Chhavi Lakhotiya, B.Sc. Life sciences, Hans Raj College

**Project 10:**

**Title of the Project:** Flax to Fly: Concentration dependent effects on Morphometrics and Behavioral Dynamics in Drosophila

Mentors: Dr. Nisha Vashishta, Dr. Pooja Suman and Dr. Bhawna Chuphal

Student's Names

- 1 Arshdeep Kaur, Bsc.(H) Biological Sciences, IV, Sri Venkateswara College, University of Delhi
- 2 Harsh Kumar Rai, Bsc.(H) Biological Sciences IV, Sri Venkateswara College, University of Delhi
- 3 Pooja Pahel, Bsc. (H) Zoology, VI, Daulat Ram College, University of Delhi
- 4 Sonia, Bsc. (H) Zoology, VI, Daulat Ram College, University of Delhi
- 5 Kanak Gupta Bsc.(H) Biomedical Sciences, IV, Bhaskaracharya College of App. sciences, University of Delhi
- 6 Pratima Roy, Bsc. (H) Biotechnology, II, Amity University
- 7 Varun Aggrawal, Bsc. (H) Zoology, II, Hansraj College, University of Delhi

**Project 11:**

**Title of the Project:** Role of Gut Microbiome in Depression

Mentors: Prof. Rekha Kumari, Dr. Joni Yadav

Student's Names

- 1 Chetana Swain, B.Sc. Life sciences, Hans Raj College
- 2 Nitika, B.Sc. Life sciences, Miranda House

**Project 12:**

**Title of the Project:** Water quality assessment in pre and post monsoon season: Analysis of physicochemical and biological contaminants

Mentors: Prof. Rekha Kumari, Dr. Shailender Kumar

Student's Names

- 1 Ayushi Singh, B.Sc. Life sciences, Miranda House
- 2 Rahnuma Firdous, B.Sc. (H) Zoology, Miranda House
- 3 Upasana Bhattacharjee, B.Sc. (H) Zoology, Miranda House
- 4 Pranay Maurya, M.Sc. Biotechnology, Amity University Noida

## Teacher Mentors

### Botany

- 1 Prof. Janaki Subramanyan
- 2 Prof. Rashmi Shakya
- 3 Prof. Madhu Bajaj
- 4 Dr. Renuka Agrawal
- 5 Dr. Saloni Bahri
- 6 Dr. Shivangi Shah
- 7 Dr. Somdutta Sinha Roy
- 8 Dr. Veena Beri
- 9 Dr. Elangbam Geetanjali
- 10 Dr. Deepali

### Chemistry

- 1 Prof. Mallika Pathak
- 2 Prof. Sharda Mahilkar Sonkar
- 3 Prof. Malti Sharma
- 4 Prof. Kalawati Saini
- 5 Prof. Smriti Sharma BhatiaDr. Nutan Rani
- 6 Dr. Taruna Singh
- 7 Dr. Swati Rani
- 8 Dr. Sujata Sengupta
- 9 Dr. Sapna Yadav
- 10 Dr. Priyamvada Singh
- 11 Dr. Mamta Sethi
- 12 Dr. Deepti Rawat
- 13 Dr. Anshika Lumb
- 14 Dr. Anita Kumari
- 15 Dr. Anuushka Pal
- 16 P Lishinai Paoteimai

### Computer Science

- 1 Dr. Seema Aggarwal
- 2 Dr. Tarun Kumar Gupta

### Geography

- 1 Prof. Bashabi Gupta
- 2 Dr. Ankita Medhi

## Mathematics

- 1 Prof. Monika Arora
- 2 Ms. Apeksha
- 3 Dr. Jyoti Talwar
- 4 Dr. Durvesh Kumar Verma

## Physics

- 1 Dr. Mallika Verma
- 2 Prof. Monika Tomar
- 3 Dr. Abha Dev Habib
- 4 Dr. Bilasini Naorem
- 5 Dr. Sonam Singh
- 6 Dr. Nirmala Saini
- 7 Dr. Nisha Rani
- 8 Dr. Richa Kundu
- 9 Dr. Vineeta
- 10 Dr. Nitish
- 11 Ms. Zarina Banoo
- 12 Dr. Saumya Prakash Dhal
- 13 Dr. Ambuja Bhushan Jaiswal
- 14 Prof. Arijit Chowdhuri
- 15 Dr. Neelam Panwar
- 16 Dr. Anjali Sharma
- 17 Dr. Reema Gupta
- 18 Dr. Neha Batra Bali
- 19 Dr. Susmita Das
- 20 Ms. Jaishree Chaudhary
- 21 Ms. Babita Sharma
- 22 Mr. Jatinder P. Singh
- 23 Mr. Bishm Pratap Dev
- 24 Mr. Ajay K. Sao
- 25 Mr. Nitesh

## Zoology

- 1 Prof. Sadhna Sharma
- 2 Prof. Rekha Kumari
- 3 Dr. Shailender Kumar

- 4 Dr. Reetuparna Basak
- 5 Dr. Pooja Suman
- 6 Dr. Nisha Vashishta
- 7 Dr. Monika Sharma
- 8 Dr. Joni Yadav
- 9 Dr. Deepak Yadav
- 10 Dr. Bhawna Chuphal
- 11 Dr. Simran Jit
- 12 Dr. Saloni Bahri

Professor Bijayalaxmi Nanda

**Patron**

Prof. Monika Tomar

**Programme Coordinator**