



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

**Summer Workshop 2025**

**Flavors of Research:**

**Investigative Projects in Multidisciplinary Contexts**



## **Summer Workshop 2025**

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

The six weeks Summer Workshops 2025 for Undergraduate Science Students, was held from 9 June to 19 July 2025. 405 students participated in this DSKC workshops and carried out projects in interdisciplinary fields. These research projects were conducted in online and 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: Beyond Food: Exploring Hydroponics for Environmental Detoxification

Mentors: Dr. Veena Beri

Student's Names:

1. Shruti, B.Sc. Life Science, Botany, VI, Ramjas College
2. Anushree Sharma, B.Sc. (H) Botany, Botany, VI, Gargi College
3. Saima Nida, B.Sc. (H.) Biotechnology, Biotechnology, IV, Jamia Hamdard University
4. Diya, B.Sc. Life Science, Botany, IV, Maitreyi College
5. Vidushi Rastogi, B.Sc. (H) Biotechnology, Biotechnology, II, Chhatrapati Shahu Ji Maharaj University

##### **Project: 2**

Title of the project: Biochemical Evaluation of Antioxidant Enzymes in Laboratory-

Cultivated Microgreens

Mentors: Dr. Veena Beri

Student's Names:

1. Shruti, B.Sc. Life Science, Botany, VI, Ramjas College
2. Anushree Sharma, B.Sc. (H) Botany, Botany, VI, Gargi College
3. Saima Nida, B.Sc. (H.) Biotechnology, Department of Biotechnology, IV, School of Chemical and Life Sciences, Jamia Hamdard University
4. Diya, B.Sc. Life Science, Botany, IV, Maitreyi College
5. Vidushi Rastogi, B.Sc. (H) Biotechnology, Department of Life Sciences and Biotechnology, II, Chhatrapati Shahu Ji Maharaj University

**Project: 3**

Title of the project: Bioflavonoids in Selaginella species

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

Student's Names:

1. Sapana Maurya, M.Sc. Botany, Botany, IV, Department of Botany, University of Delhi

**Project: 4**

Title of the project: Comparative study on college and local compost

Mentors: Prof. Saloni Bahri, Dr Simran Jit

Student's Names:

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

**Project: 5**

Title of the project: Evaluating the Water-Cleansing Ability of Water Hyacinth at the Yamuna-Najafgarh Confluence

Mentors: Dr. Veena Beri

Student's Names:

1. Priya Mishra, B.Sc. Life Science, Botany, IV, Miranda House
2. Lavanya Sood, B.SC. (H) Botany, Botany, IV, SGTB Khalsa College
3. Shreya Garg, B.Sc. Life Science, Botany, II, Hans Raj College
4. Srishti, B.Sc. , B.Ed. (Med), Botany, VIII, SIASTE, Gurugram

**Project: 6**

Title of the project: Evaluation of cytogenotoxicity of three antibiotics on root meristem cells of Allium cepa L.

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

Student's Names:

1. Deepika Tiwari, B.Sc.(H) Botany , Botany, IV, Miranda House
2. Anviksha Thakur, B.Sc.(H) Botany , Botany, IV, Miranda House
3. Prgya Dhiman, B.Sc.(H) Botany , Botany, IV, Miranda House
4. Nandini Sharma, B.Sc.(H) Botany , Botany, IV, Miranda House
5. Radha Mishra, B.Sc. Life Science, Botany, IV, Gargi College
6. Sanju Waikhom, B.Sc.(H) Botany , Botany, VI, Daulat Ram College
7. Ritika, B.Sc. Life Science, Botany, IV, Gargi College
8. Shreya, B.Sc. Life Science, Botany, IV, Miranda House
9. Soumya Ranjan, B.Sc.(H) Botany , Botany, IV, Deen Dayal Upadhyay College

10. Shailly, B.Sc.(H) Botany , Botany, VI, Gargi College
11. Ashna Kalra, B.Sc. Life Science, Botany, VI, Shivaji College

#### **Project: 7**

Title of the project: Heavy Metal Tolerance in Higher Plants: a Bioinformatic Investigation on Key Transcription Factors

Mentors: Dr. Somdutta Sinha Roy, Prof. Saloni Bahri, Dr Priti Rai Jain

Student's Names:

1. Sneha Mahato, M.Sc. Botany, Botany, IV, Department of Botany, University of Delhi

#### **Project: 8**

Title of the project: Quantifying ecosystem services from avenue trees of University of Delhi, North Campus by using i-tree

Mentors: Dr. Somdutta Sinha Roy, Prof. Saloni Bahri, Dr Priti Rai Jain

Student's Names:

1. Anjali Rai Srishti, B.Sc.(H) Botany , Botany, IV, Ramjas College
2. Astha Kumari, B.Sc.(H) Botany , Botany, IV, Deshbandhu College
3. Kumari Durga, B.Sc.(H) Botany , Botany, IV, Daulat Ram College
4. Krishnali Boruah, B.Sc. Life Science, Botany, VI, Shivaji College

#### **Project: 9**

Title of the project: Trends in Invasive Plant Species in India: A Bibliometric Analysis

Mentors: Dr. Somdutta Sinha Roy, Prof Basabi Gupta, Dr. Ankita Medhi, Ms. Milu Marium Jose

Student's Names:

1. Alka, M.Sc. Botany, Botany, IV, Department of Botany, University of Delhi
2. Kanishka Yadav, M.Sc. Botany, Botany, IV, Department of Botany, University of Delhi

## **CHEMISTRY DEPARTMENT**

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

#### **Project: 1**

Title of the project: A Comparative study of Synthesis Methods and Their Influence on the Physicochemical Properties of Trimetallic Nanoparticles

Mentors: Prof Mallika Pathak, Prof. Malti Sharma, Ms. P. Lishinai Paoteimai, Dr. Preeti Droliya

Student's Names:

1. Sanjana Bano, VI, Chemistry, B Sc (Hons) Chemistry, Kirori Mal College
2. Shruti, VI, Chemistry, B.Sc (Hons) Chemistry, Miranda House
3. Sumit Kumar, IV, Chemistry, M Sc (Chemistry), Department of Chemistry
4. Taiyyba Siddiqui, IV, Chemistry, B.Sc (Hons) Chemistry, Miranda House
5. Vijeta Sharma, Competed graduation in 2023, Chemistry, B.Sc (Hons) Chemistry, Miranda House

### **Project: 2**

Title of the project: A comprehensive review on synthesis, properties and applications of Strontium and Barium Titanate Perovskite nanoparticles

Mentors: Prof. Mallika Pathak & Prof Malti Sharma

Student's Names:

1. Abhay Pant, 1st year, Chemistry, M Sc (Chemistry), IIT Roorkee

### **Project: 3**

Title of the project: Aloe Vera Peel-Mediated Green Synthesis of ZnO Nanoparticles for Water Purification and Film Applications

Mentors: Dr Anita Kumari, Dr Taruna Singh

Student's Names:

1. Amisha Bhatt, VI, Chemistry, B.Sc (Hons) Chemistry, Kalindi College
2. Isha, VI, Chemistry, B Sc (Hons) Chemistry, Kalindi college
3. Shrishti Singh, 2022, Chemistry, B.Sc (Hons) Chemistry, Kalindi College

### **Project: 4**

Title of the project: Comparative Fabrication and Analysis of Sustainable Nano-Enhanced Bricks Using HDPE Plastic Waste and Agro-Industrial Byproducts.

Mentors: Dr Anita Kumari, Dr Taruna Singh

Student's Names:

1. Akanksha Kumari Sahu, IV, Chemistry, B Sc (H) chemistry, Miranda House
2. Gayatri, IV, Chemistry, B Sc (Hons) Chemistry, Miranda House College
3. Isha, IV, Chemistry, B Sc (Hons) Chemistry, Miranda House
4. Jatin Bhardwaj, II, Chemistry, B Sc (Hons) Chemistry, Jamia Millia Islamia

**Project: 5**

Title of the project: Comparative study of Ceria nanoparticles synthesized using ascorbic acid from chemical and natural sources

Mentors: Prof. Mallika Pathak, Prof. Malti Sharma, Ms. P. Lishinai Paoteimai, Dr. Preeti Droliya

Student's Names:

1. Bhumika Deb, IV, Chemistry, B Sc (Hons) Chemistry, Miranda House
2. Gunjan, II, Chemistry, M Sc (Chemistry), GVM Girls College Sonipat, Haryana
3. Neha Chaudhary, IV, Chemistry, B Sc (Hons) Chemistry, Miranda House
4. Palak Teotia, IV, Chemistry, B Sc (Hons) Chemistry, Miranda House

**Project: 6**

Title of the project: Design of a Magnetically Separable Ferrite Photocatalyst for Efficient Visible Light Degradation of Organic Dyes

Mentors: Dr. Deepti Rawat, Dr. Anshika Lumb

Student's Names:

1. Kirti Rani, IV, Chemistry, B Sc (Hons) Chemistry, Zakir Husain Delhi College
2. Rahul Pandey, IV, Chemistry, B Sc (APS) IC, Rajdhani College
3. Sejal Rai, IV, Chemistry, B Sc Prog ( Applied Physical Sciences with Industrial Chem), Rajdhani College
4. Sristi Shukla, II, Chemistry, M Sc (Chemistry), Department of Chemistry, University Of Delhi
5. Stuti Agarwal, IV, Chemistry, B.Sc (Hons) Chemistry, Zakir Husain Delhi College
6. Vibhuti Yadav, II, Chemistry, BS-MS, Indian Institute of Science Education and Research, Pune

**Project: 7**

Title of the project: In silico study of caffeine binding to human A2A receptors and a comparative study of Caffeine Induced and Caffeine Withdrawal tremors.

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

Student's Names:

1. Aastha Yadav, IV, Chemistry, B. Sc. (Hons) Chemistry, Miranda House
2. Ananya Tandon, IV, Chemistry, Integrated B Sc Hons.-M Sc Chemistry and Chemical Sciences, Central University of Jammu
3. Yagya Grover, IV, Chemistry, B Sc. Life Sciences, Gargi College

**Project: 8**

Title of the project: In-silico study of the effects and interaction of DDT with LHCG receptors in pregnant female bodies

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

Student's Names:

1. Monika Lora, VI, Chemistry, B Sc (Hons)Chemistry, Kirori Mal College
2. Shinjinee Bhattacharyya, VI, Chemistry, B.Sc (Hons) Chemistry, Miranda House (Graduated in 2024)
3. Sreeja Srivastava, VI, Chemistry, B.Sc Life Sciences, Gargi College

**Project: 9**

Title of the project: Synthesis and Characterizations of Gadolinium Oxide nanoparticles and their composites for Theranostics applications.

Mentors: Prof. Kalawati Saini & Dr. Nutan Rani

Student's Names:

1. Sonalika Nayak, II, Chemistry, B.Sc (Hons) Chemistry, K.R. Mangalam University

**Project: 10**

Title of the project: Synthesis and study of novel small molecules effective against malaria

Mentors: Dr Priyamvada Singh

Student's Names:

1. Parnika Chandna, II, Chemistry, B Sc (Hons)Chemistry, Miranda House
2. Sahil Joseph, VI, Chemistry, B Sc (Hons)Chemistry, St Stephens College

**Project: 11**

Title of the project: Synthesis of Curcumin Nanoparticles via Polymeric and Metal Based Pathways for Drug Encapsulation and Antimicrobial Application

Mentors: Dr Anita Kumari, Dr Taruna Singh

Student's Names:

1. Nandini Verma, IV, Chemistry, B Sc (Hons)Chemistry, KR Mangalam University
2. Perikala Akshara, VI, Chemistry, B Sc (Hons)Chemistry, Daulatram College

**Project: 12**

Title of the project: Synthesis of Neem Extract based Copper Oxide Nanoparticles for Applications in Biomedical Films and Water Purification.

Mentors: Dr Anita Kumari, Dr Taruna Singh

Student's Names:

1. Gunjan batra, II, Chemistry, M Sc (Chemistry), Kirori Mal college
2. Rishita sharma, IV, Chemistry, B Sc (Hons)Chemistry, Kalindi College
3. Ritika, IV, Chemistry, B Sc (Hons)Chemistry, Kalindi College
4. Samayra saini, IV, Chemistry, B Sc (Hons)Chemistry, Kalindi College

### **Project: 13**

Title of the project: Synthesis of Silver Nanoparticles by Green Method Using Azadirachta indica (Neem) and Studying its Application as an Antimicrobial Agent.

Mentors: Dr Anita Kumari, Dr Taruna Singh

Student's Names:

1. Simran, Pass out, Chemistry, B.Sc (Hons) Chemistry, Kalindi College
2. Smriti, Pass out, Chemistry, B.Sc (Hons) Chemistry, Kalindi College

### **Project: 14**

Title of the project: The Herbal Creatine as Endurance Booster and DHT Blocker

Mentors: Dr Anita Kumari, Dr Taruna Singh

Student's Names:

1. Aman Raj Srivastava, VI, Chemistry, B.Sc physical science, Ramjas College
2. Reena, first year, Chemistry, M Sc (Chemistry), Kurukshetra University, kurukshetra
3. Utkarsh Singh Baghel, VI, Chemistry, B Sc(Prog) Physical Science with Chemistry, Kirori Mal college

### **Project: 15**

Title of the project: To Develop Sustainable Reusable Foodwrap using Beeswax as a Primary Ingredient

Mentors: Dr Anita Kumari, Dr Taruna Singh

Student's Names:

1. Kashvi Sharma, VI, Chemistry, B. Sc.(Physical Science with CS), Miranda House
2. Sreeja Dutta, II, Chemistry, B.Sc Life Sciences, Miranda House

### **Project: 16**

Title of the project: To explore the efficacy of natural extract in organic synthesis

Mentors: Dr. Deepti Rawat, Dr. Anshika Lumb

Student's Names:

1. Amreen Lamba, IV, Chemistry, B Sc. Life Sciences, Gargi College
2. Areen Azim Shah, IV, Chemistry, B.Sc (Hons) Chemistry , Kalindi College
3. Arunima Gulati, IV, Chemistry, B Sc (Hons) Chemistry, Miranda House

4. Diksha Navya Gupta, IV, Chemistry, B Sc. Life Sciences, Gargi College
5. Drishti Wadhwani, IV, Chemistry, B. Sc. (P) life science, Gargi College
6. Kashish Rajput, IV, Chemistry, B Sc (Hons)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: Computational Prediction Of Phytochemicals Binding Using Machine Learning And Deep Learning Methods

Mentors: Dr. Seema Aggarwal, Dr. Tarun Kumar Gupta, Dr Tulika Kumari

Student's Names:

1. Vartika Mohan , B. Sc. Physical Science With Computer Science, Computer Science, VII, Vartika Mohan , Miranda House, University Of Delhi
2. Sana Fatima , B. Sc. (H) Physics, Physics, v, Rajdhani College , University Of Delhi
3. Yashasvi Goswami, B. Sc. Physical Science With Computer Science, Computer Science, VI, Miranda House , University Of Delhi

### **Project: 2**

Title of the project: Computational Prediction Of Phytochemicals Binding Using Machine Learning And Deep Learning Methods

Mentors: Dr. Seema Aggarwal, Dr. Tarun Kumar Gupta, Dr Tulika Kumari

Student's Names:

1. Nitika, B. Sc. (H) Biomedical Science, Biomedical Sciences, V, Bhaskaracharya College Of Applied Sciences, University Of Delhi

### **Project: 3**

Title of the project: Detecting Collusive Behavior In Online Review Systems: A Comparative Model Evaluation

Mentors: Dr. Seema Aggarwal, Dr. Tarun Kumar Gupta, Dr Tulika Kumari

Student's Names:

1. Manishka Pandey, B. Sc. Physical Science With Computer Science, Computer Science, VI, Miranda House University Of Delhi
2. Khushi Upadhyay, B. Sc. Physical Science With Computer Science, Computer Science, VI, Miranda House , University Of Delhi

3. Pratibha Kanwar Rathore , B. Sc. Physical Science With Computer Science, Computer Science, VI, Miranda House , University Of Delhi
4. Nandini Kutiyal, B. Sc. Physical Science With Computer Science, Computer Science, VI, Miranda House , University Of Delhi

#### **Project: 4**

Title of the project: High Recall Oriented Employee Attrition Prediction Using Stacking Ensemble Model

Mentors: Dr. Seema Aggarwal, Dr. Tarun Kumar Gupta, Dr Tulika Kumari

Student's Names:

1. Garima Singh, B. Sc. (H) Physics, Physics, VI, Kirori Mal College University Of Delhi
2. Nishkarsh Singhal, B.Tech In Electronics Adn Communcition Engineering , Electronics And Communication Engineering, III, Faculty Of Technology, University Of Delhi
3. Shaivee Sharma, B. Sc. (H) Physics, Physics, IV, Kirori Mal College University Of Delhi

#### **Project: 5**

Title of the project: Multilingual Fake News Detection System

Mentors: Dr. Seema Aggarwal, Dr. Tarun Kumar Gupta, Dr Tulika Kumari

Student's Names:

1. Nikhil Pareek, B.Sc. (Hons.) Physics , Physics, VI, Motilal Nehru College, University Of Delhi
2. Pragya Deshwal, B. Sc. Physical Science With Computer Science, Computer Science, IV, Miranda House , University Of Delhi
3. Sourish Maji, B.Tech Computer Science And Engineering, Computer Science, II, Faculty Of Technology, University Of Delhi
4. Ayush Kumar, B.Sc.(H) Computer Science, Computer Science, IV, Atma Ram Sanatan Dharma College

#### **Project: 6**

Title of the project: Multilingual Fake News Detection System

Mentors: Dr. Seema Aggarwal, Dr. Tarun Kumar Gupta, Dr Tulika Kumari

Student's Names:

1. Mahi Choudhary , B. Sc. Physical Science With Computer Science, Computer Science, IV, 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: Assessment Of Cryospheric Decline Under Climatic Variability In The Gangotri Glacier System, Himalaya ( 1994-2024)

Mentors: Dr Om Jee Ranjan And Dr. Prafulit Bhist

Student's Names:

1. Vaaruni Agrawal, B.A. Geography Honours, Geography, , Kalindi College, University Of Delhi
2. Sukanya Das, B.A. Geography Honours, Geography, , Miranda House, University Of Delhi
3. Niharika Singh, B.A. Geography Honours, Geography, , Miranda House, University Of Delhi

### **Project: 2**

Title of the project: Changing Climate, Changing Land: Spatio-Temporal Analysis Of Climate Variability And Land Use Changes In Nagaland And Manipur

Mentors: Prof. Bashabi Gupta And Dr Ankita Medhi

Student's Names:

1. Thamanna Raj, B.A.(Hons.) Geography, Geography, IV, Lovely Professional University, Punjab

### **Project: 3**

Title of the project: Glof Risk Assessment At Shako Cho Lake, North Sikkim Using Multi-Year Sar And Ndwi-Ndsi Remote Sensing Analysis

Mentors: Dr Om Jee Ranjan And Dr. Prafulit Bhist

Student's Names:

1. Rituja Das , B.A. Geography Honours, Geography, , Kamala Nehru College, University Of Delhi

### **Project: 4**

Title of the project: How Soil Moisture Affects Crop Growth? Rainfed Vs Irrigated Areas

Mentors: Dr. Rashmi Singh, Dr Shikha Yadav And Dr. Omjee Ranjan

Student's Names:

1. Umangika, B.A.(Hons.) Geography, Geography, IV, Miranda House, University Of Delhi
2. Sonakshi, B.A.(Hons.) Geography, Geography, IV, Miranda House, University Of Delhi

### **Project: 5**

Title of the project: Landscape Changes And Climate Variability In Mizoram And Tripura

Mentors: Prof. Bashabi Gupta And Dr Ankita Medhi

Student's Names:

1. Rishu Dikhit, B.A.(Prog) Geography, Geography, IV, Devi Ahilya Vishwavidyalaya, University Indore, Madhya Pradesh.

### **Project: 6**

Title of the project: Smart Transportation-Driven Urban Sustainability In Delhi: Integrating Green Spaces For Holistic Development

Mentors: Dr. Rashmi Singh, Dr Shikha Yadav And Dr. Omjee Ranjan

Student's Names:

1. Vanshika Gautam, B.A.(Hons.) Geography, Geography, IV, Shayama Prasad Mukherji College For Women, University Of Delhi
2. Shiwachi Singh, B.A.(Hons.) Geography, Geography, IV, Shayama Prasad Mukherji College For Women, University Of Delhi

### **Project: 7**

Title of the project: Spatio-Temporal Analysis Of Snow Cover Area Over Chorabari Glacier, Uttarakhand Using Elevation-Based Zonal Statistics (2003–2023)

Mentors: Dr Om Jee Ranjan And Dr. Prafulit Bhist

Student's Names:

1. Saniya Ansari, B.A. Geography Honours , Geography, , Miranda House, University Of Delhi
2. Nitish Kumar Chourasia , B.A. Geography Honours, Geography, , Dr.Bhim Rao Ambedkar College, University Of Delhi
3. Jahanvi Rathore, B.A. Geography Honours, Geography, , Dr.Bhim Rao Ambedkar College, University Of Delhi

### **Project: 8**

Title of the project: Spatio-Temporal Mapping Of Climate-Induced Environmental Changes: A Case Study Of Assam And Meghalaya

Mentors: Prof. Bashabi Gupta And Dr Ankita Medhi

Student's Names:

1. Bhavya Mangla, B.A.(Hons.) Geography, Geography, VI, Shyama Prasad Mukherji College, University Of Delhi

### **Project: 9**

Title of the project: Spatio-Temporal Retreat And Cryospheric Dynamics Of Khangri Glacier, Arunachal Pradesh: A Geospatial Analysis(1994- 2024)

Mentors: Dr Om Jee Ranjan And Dr. Prafulit Bhist

Student's Names:

1. Prachi Sharma, B.A. Geography Honours, Geography, , Indraprastha College For Women, University Of Delhi
2. Tripti Tiwari , B.A. Geography Honours, Geography, , Indraprastha College For Women, University Of Delhi
3. Shambhavi Vaidya, B.A. Geography Honours, Geography, , Indraprastha College For Women, University Of Delhi
4. Rituparna Kashyap, B.A. Geography Honours, Geography, , Indraprastha College For Women, University Of Delhi
5. Suhani Parashar, B.A. Geography Honours, Geography, , Indraprastha College For Women, University Of Delhi

### **Project: 10**

Title of the project: Sustainability Dialogue: Land Management Practices And Climate Change Resilience Efforts

Mentors: Prof. Monika Vij, Dr. Shipra Singh, Ms Pratibha Tomar And Dr. Ruchi Sachan

Student's Names:

1. Harshita, B.A.(Hons.) Geography, Geography, IV, Miranda House, University Of Delhi
2. Divyanshi Mor, B.A.(Hons.) Geography, Geography, II, Jamia Millia Islamia
3. Arpita Dogra, B.A.(Hons.) Geography, Geography, IV, Shayama Prasad Mukherji College For Women, University Of Delhi
4. Pranjal Patel, B.A.(Hons.) Geography, Geography, II, Miranda House, University Of Delhi
5. Shrishti Yadav, B.A.(Hons.) Geography, Geography, VI, Shayama Prasad Mukherji College For Women, University Of Delhi

### **Project: 11**

Title of the project: Sustainable Solid Waste Management In Faridabad

Mentors: Dr. Rashmi Singh, Dr Shikha Yadav And Dr. Omjee Ranjan

Student's Names:

1. Nisha, M.Sc. Geography, Geography, II, Kurukshetra University , Kurukshetra
2. Eati, M.Sc. Geography, Geography, II, Kurukshetra University , Kurukshetra

**Project: 12**

Title of the project: Sustainable Urbanisation : Balancing Smartcity Development And Urban Sprawl Challenges

Mentors: Dr. Rashmi Singh, Dr Shikha Yadav And Dr. Omjee Ranjan

Student's Names:

1. Bhumika Lakra, B.A.(Hons.) Geography, Geography, IV, Shayama Prasad Mukherji College For Women, University Of Delhi

**Project: 13**

Title of the project: Sustainable Urbanization: Balancing Smart City Development And Urban Sprawl

Challenges

Mentors: Dr. Rashmi Singh, Dr Shikha Yadav And Dr. Omjee Ranjan

Student's Names:

1. Yashika Nagpal, B.A.(Hons.) Geography, Geography, IV, Shayama Prasad Mukherji College For Women, University Of Delhi

**Project: 14**

Title of the project: Tracking Climatic Influence On Snow Cover Change Of Zemu Glacier (1995-2024)

Mentors: Dr Om Jee Ranjan And Dr. Prafulit Bhist

Student's Names:

1. Sayali Bhagat, B.A. Geography Honours, Geography, , Miranda House, University Of Delhi

**MATHEMATICS DEPARTMENT**

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

**Project: 1**

Title of the project: A Lattice-Based Approach For Post-Quantum Security: Analysing The Ntru Cryptosystem

Mentors: Prof. Sunila Sharma, Dr. Daulti Verma, Dr. Sneha Mavi, Mohd. Sarik Idrisi, Dr Rekha Gupta, Mr Mohit Kumar Macchal, Dr Jyoti Talwar

Student's Names:

1. Niharika Singh, B.Sc.(H) Mathematics, Mathematics, IV, Miranda House, University Of Delhi
2. Anjali , B.Sc.(H) Mathematics, Mathematics, IV, Miranda House, University Of Delhi
3. Ayushi Singh , B.Sc.(H) Mathematics, Mathematics, IV, Miranda House, University Of Delhi
4. Monika, B.Sc.(H) Mathematics, Mathematics, IV, Miranda House, University Of Delhi

**Project: 2**

Title of the project: Application Of Svd To Image Compression And A Comparative Study With Dct Technique

Mentors: Prof. Sunila Sharma, Dr. Daulti Verma, Dr. Sneha Mavi, Mohd. Sarik Idrisi, Dr Rekha Gupta, Mr Mohit Kumar Macchal, Dr Jyoti Talwar

Student's Names:

1. Charu, B.Sc. (H) Chemistry, Chemistry , VI, Kirori Mal College, University Of Delhi
2. Shelly, M.Sc. Mathematics, Mathematics , II, Dr. Pdbh.Pg. College Kotdwar, Uttarakhand

**Project: 3**

Title of the project: Integer Polynomial Factorization And Its Equivalence With Diophantine Equations

Mentors: Prof. Sunila Sharma, Dr. Daulti Verma, Dr. Sneha Mavi, Mohd. Sarik Idrisi, Dr Rekha Gupta, Mr Mohit Kumar Macchal, Dr Jyoti Talwar

Student's Names:

1. Mohit Chauhan, B.Sc.(H) Physics, Physics, IV, Kirori Mal College, University Of Delhi

**Project: 4**

Title of the project: Novel Group Equivariant Neural Network

Mentors: Prof. Sunila Sharma, Dr. Daulti Verma, Dr. Sneha Mavi, Mohd. Sarik Idrisi, Dr Rekha Gupta, Mr Mohit Kumar Macchal, Dr Jyoti Talwar

Student's Names:

1. Aditya Gupta, M.Sc. Mathematics And Computing, Mathematics, I, Thapar Institute Of Engineering & Technology
2. Aashi Sharma, B.Sc.(H) Mathematics, Mathematics, IV, Miranda House, University Of Delhi

### **Project: 5**

Title of the project: Spatial Analysis And Forecasting Of Covid-19 In India

Mentors: Prof. Sunila Sharma, Dr. Daulti Verma, Dr. Sneha Mavi, Mohd. Sarik Idrisi, Dr Rekha Gupta, Mr Mohit Kumar Macchal, Dr Jyoti Talwar

Student's Names:

1. Tejaswini Samanta, B.Sc.(H) Mathematics, Mathematics, II, Miranda House, University Of Delhi
2. Karam Thoibithoi , B.Sc.(H) Mathematics, Mathematics, IV, Miranda House, University Of Delhi
3. Seepra Kumari, B.Sc.(H) Mathematics, Mathematics, II, Miranda House, University Of Delhi

## **PHYSICS DEPARTMENT**

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

### **Project: 1**

Title of the project: A Peek Into Early Universe: Grb Calibration With Gaussian Process On Hubble And Pantheon+ Data

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

Student's Names:

1. Nilanjana Bagchi Aurpa , B.Sc(H) Physics, Physics, VI, Miranda House, University Of Delhi

### **Project: 2**

Title of the project: A Study On Chaos Enhanced Drpe-Based Optical Qr Encryption With Hash Authenticated Image Retrieval And Rsa Protection

Mentors: Nirmala Saini, Sonam Singh

Student's Names:

1. Aiswarys S Sekhar, B. Sc. (H) Physics, Physics , III, Miranda House, University Of Delhi

2. Pragya Jain, B. Sc. (H) Physics, Physics , III, Miranda House, University Of Delhi
3. Shreya Garg, B. Sc. (H) Physics, Physics , III, Miranda House, University Of Delhi

### **Project: 3**

Title of the project: A Study On The Extra-Tidal Region Of The Galactic Globular Clusters Ngc 7078

Mentors: Dr Richa Kundu

Student's Names:

1. Sawan, M.Sc. Physics, Physics , II, Kirori Mal College
2. Abhinandan Bhatia, Bachelor Of Science (Research) Mathematics , Mathematics , II, Shiv Nadar Institution Of Eminence, Delhi-Ncr
3. Sajal Rana, B.Sc( Honours) Physics, Physics, VI, Atma Ram Sanatan Dharma College

### **Project: 4**

Title of the project: Ag Doped Sno2 Thin Film For Cl2 Gas Sensing

Mentors: Arijit Chowdhuri, Anjali Sharma, Tanya Dasila, Monika Tomar, Mallika Verma

Student's Names:

1. Yashvi Srivastava, B.Sc. (H) Physics , Physics, IV, Ramjas College, University Of Delhi
2. Pooja Yadav , B.Sc. (H) Physics , Physics, IV, Ramjas College, University Of Delhi
3. Ilsa Mursaleen, B.Sc. (H) Physics , Physics, IV, Ramjas College, University Of Delhi
4. Parul , M.Sc. Physics , Physics And Astrophysics , II, University Of Delhi

### **Project: 5**

Title of the project: Antimicrobial Properties Of Sno2 Nanoparticles Using Green Synthesis

Mentors: Bilasini Naorem, Anjali Sharma, Neha Batra, Manju Waikhom, Monika Tomar, Mallika Verma

Student's Names:

1. Ishaan Kumar, B.Sc. (H) Physics , Physics , IV, Atma Ram Sanatan Dharma College, University Of Delhi
2. Divyakant Pal, B.Sc. (H) Physics , Physics , IV, Atma Ram Sanatan Dharma College, University Of Delhi
3. Shristi Duarah, B.Sc. (H) Physics , Physics , IV, Hansraj College, University Of Delhi
4. Vandana Kumari , Physical Science With Electronics, Physics , IV, Rajdhani College, University Of Delhi

**Project: 6**

Title of the project: Automatic Fire Extinguisher

Mentors: Bilasini Naorem, Monika Tomar, Mallika Verma

Student's Names:

1. Shruti , B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi
2. Sonu Kumar, Physical Science With Electronics, Physics , IV, Rajdhani College, University Of Delhi
3. Kumkum Sharma , B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi
4. Kanika , B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi

**Project: 7**

Title of the project: Bimetal Oxide For Supercapacitor Application

Mentors: Reema Gupta, T. Dayananda Sharma, Monika Tomar , Mallika Verma

Student's Names:

1. Akshi Arya , M.Sc. Physics , Physics And Astrophysics , IV, University Of Delhi
2. Shaifali Tiwari , B.Sc. (H) Physics , Physics , IV, Kirori Mal College, University Of Delhi
3. Abhay Kaushik, B.Sc. (H) Physics , Physics , VI, Ramjas College, University Of Delhi
4. Ratan , B.Tech. Electrical , Electrical Engineering , IV, Delhi Technological University

**Project: 8**

Title of the project: Birefringence Studies In KnN And In<sub>2</sub>Se<sub>3</sub> Thin Films

Mentors: Anjali Sharma, Reema Gupta, Denny Thokchom, Monika Tomar, Mallika Verma

Student's Names:

1. Priti Kumari, B.Sc. (H) Physics , Physics , VI, Miranda House, University Of Delhi
2. Diksha Kumari, M.Sc. Physics , Physics And Astrophysics , II, University Of Delhi
3. Nisha Yadav, B.Sc. (H) Physics , Physics , IV, Daulat Ram College, University Of Delhi
4. Muskan, B.Sc. (H) Physics , Physics , IV, Daulat Ram College, University Of Delhi
5. Varsha , B.Sc. (H) Physics , Physics , VI, Miranda House, University Of Delhi

**Project: 9**

Title of the project: Collective To Chaotic Dynamics: Statistical Trends In 2<sup>+</sup> Nuclear Levels Of Sm Isotopes

Mentors: Dr. Ambuja Bhushan Jaiswal

Student's Names:

1. Aditi Rawat, B.Sc. Physics(H), Department Of Physics, VI, Miranda House, University Of Delhi

2. Chetna, B.Sc. Physics(H), Department Of Physics, IV, Ramjas College, University Of Delhi
3. Ganpat Ram, B.Sc. Physics(H), Department Of Physics, IV, Kirori Mal College, University Of Delhi
4. Sachin Kushwaha, B.Sc. Physics(H), Department Of Physics, IV, Keshav Mahavidyalaya, University Of Delhi
5. Masammat Sainaz Akhtar, B.Sc. Physics(H), Department Of Physics, IV, Deen Dayal Upadhyaya College, University Of Delhi

### **Project: 10**

Title of the project: Comparing Cosmological Models : A Step Closer To Understanding Dark Energy

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

Student's Names:

1. Soumili Choudhury, Bsc. (Hons.) Physics, Physics, IV, Arsd College, University Of Delhi
2. Bishwashri Majumdar, Bsc. (Hons.) Physics, Physics, IV, Miranda House, University Of Delhi
3. Avijit Singh Rawat , Bsc. (Hons.) Physics, Physics, IV, Arsd College, University Of Delhi

### **Project: 11**

Title of the project: Comparing Feature Extraction Methods For Iris Recognition Via Deep Learning Segmentation

Mentors: Nirmala Saini, Sonam Singh

Student's Names:

1. Adithya Krishna, M.Sc. Physics, Physics , I, Central University, Tamil Nadu
2. Prashant, B. Sc. (H) Physics, Physics , III, Ramjas College, University Of Delhi
3. Shruuti Surana, B. Sc. (H) Physics, Physics , II, Hindu College, University Of Delhi
4. Sonali, B. Sc. (H) Physics, Physics , III, Ramjas College, University Of Delhi
5. Sritam Dash, B. Sc. (H) Physics, Physics , I, Arsd College, University Of Delhi

### **Project: 12**

Title of the project: Constraining  $\Delta$ Cdm Model Using Simulated Frb Data

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

Student's Names:

1. Md Sahil Hossain, Bs-Ms Dual Degree , Physics, , Indian Institute Of Science Education And Research, Kolkata
2. Banothu Joseph , Bsc. (H) Physics , Physics, , Hansraj College, University Of Delhi

3. Yug Sharma , Bsc.(H) Physics , Physics, IV, Ramjas College, University Of Delhi
4. Anushka Swarnkar , Bsc.(H) Physics , Physics, IV, Ramjas College, University Of Delhi

### **Project: 13**

Title of the project: Dark Cartography: Tracing The Invisible In The Milky Way And M31

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

Student's Names:

1. Siya Singh, Bsc. (Hons.) Physics, Physics, II, Arsd College, University Of Delhi
2. Pawani Joshi, Bsc. (Hons.) Physics, Physics, II, Miranda House, University Of Delhi
3. Yashvi Prem, Bsc. (Hons.) Mathematics, Physics, II, Miranda House, University Of Delhi
4. Trapti Upadhyay, Bsc. (Hons.) Physics, Physics, II, Miranda House, University Of Delhi

### **Project: 14**

Title of the project: Development Of A H2 Sensor Module

Mentors: Arijit Chowdhuri, Anjali Sharma, Bhishm Pratap Dev, Monika Tomar, Mallika Verma

Student's Names:

1. Manshi Nehra , B.Sc. (H) Physics , Physics , VI, Miranda House, University Of Delhi
2. Tushar , B.Sc. (H) Physics , Physics , II, Atma Ram Sanatan Dharma College, University Of Delhi
3. Parv Shah, B.Sc. (H) Physics , Physics , II, Moti Lal Nehru College, University Of Delhi
4. Anamika Shankar , M.Sc. Photonics , Miap, II, Manipal University, Manipal

### **Project: 15**

Title of the project: Deviations From Random Matrix Statistics For Kicked Spin Chains

Mentors: Dr. Ambuja Bhushan Jaiswal

Student's Names:

1. Jayansh Dave, B.Sc. Physics(H), Department Of Physics, VI, Swami Shraddhanand College, University Of Delhi
2. Prayog Dash, B.Sc. Physics(H), Department Of Physics, IV, Deen Dayal Upadhyaya College, University Of Delhi
3. Palak Verma, B.Sc. Physics(H), Department Of Physics, IV, Kirori Mal College, University Of Delhi
4. Adityan, B.Sc. Physics(H), Department Of Physics, II, Fergusson College, University Of Pune

5. Ritu, B.Sc. Physics(H), Department Of Physics, VI, Deshbandhu College, University Of Delhi

### **Project: 16**

Title of the project: Dielectric And Optical Properties Of Knn Thin Films Using Spr Technique

Mentors: Arijit Chowdhuri, Reema Gupta, Denny Thokchom, Mallika Verma

Student's Names:

1. Vaibhav Srivastava , B.Sc. (H) Physics , Physics, IV, Acharya Narendra Dev College, University Of Delhi
2. Raj Gola, B.Sc. (H) Physics , Physics, IV, Acharya Narendra Dev College, University Of Delhi
3. Pratyoi Prayash Bora , B.Sc. (H) Physics , Physics, IV, Acharya Narendra Dev College, University Of Delhi
4. Naman Thakur, B.Sc. (H) Physics , Physics, IV, Acharya Narendra Dev College, University Of Delhi

### **Project: 17**

Title of the project: Earth Air Tunnel Heat Exchanger

Mentors: Rashmi Rakshit, Sonam Singh

Student's Names:

1. Khushboo Yadav, B.Sc. (H) Physics, Physics , II, Miranda House, University Of Delhi
2. Mansi, B.Sc. (H) Physics, Physics , II, Miranda House, University Of Delhi
3. Komal, B.Sc. (H) Physics, Physics , II, Miranda House, University Of Delhi
4. Himani, B.Sc. (H) Physics, Physics , II, Miranda House, University Of Delhi

### **Project: 18**

Title of the project: Electrical And Dielectric Properties Properties Of Snse Thin Films

Mentors: Kajal Jindal, Reema Gupta, Satyam Garg, Monika Tomar, Mallika Verma

Student's Names:

1. Gargi Tripathi, B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
2. Aachal Rani, B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
3. Medha , B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
4. Muskan, B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi

**Project: 19**

Title of the project: Electrical And Ferroelectric Properties Of Sputtered Knn Thin Films

Mentors: Reema Gupta, Denny Thokchom, Monika Tomar, Mallika Verma

Student's Names:

1. Kasak Bhat , M.Sc. Physics , Physics, IV, Lovely Professional University, Punjab
2. Manjot , M.Sc. Physics , Physics And Astrophysics , IV, University Of Delhi
3. Monika Poonia , M.Sc. Physics , Physics And Astrophysics , IV, University Of Delhi
4. Hashima Sheria, M.Sc. Physics, Physics , II, Jamia Millia Islamia
5. Khushi Kumari , M.Sc. Physics , Physics And Astrophysics , II , University Of Delhi

**Project: 20**

Title of the project: Extra-Tidal Region Of The Galactic Globular Cluster Ngc 6171

Mentors: Dr Richa Kundu

Student's Names:

1. Siddhant Pandey , B.Sc. (Honours) Physics, Physics , II, Hansraj College
2. Shalini Uchkoti, B.Sc. (Honours) Physics, Physics, VI, Ramjas College,Du
3. Nidarshana Singh, B.Sc. (Honours) Physics, Physics, IV, Daulat Ram College,Du
4. Rashi Kashyap, B.Sc. (Honours) Physics, Physics, IV, Daulat Ram College (Du)

**Project: 21**

Title of the project: Extra-Tidal Region Of The Galactic Globular Cluster Ngc 6316

Mentors: Dr. Richa Kundu

Student's Names:

1. Harsh Sahu, B.Sc. (Honours) Physics, Physics, IV, Ramjas College,Du
2. Meryl, B.Sc. (Honours) Physics, Physics, IV, Ramjas College,Du
3. Karan Jakhar, B.Sc. (Honours) Physics, Physics, VI, Hindu College (Du)

**Project: 22**

Title of the project: Extra-Tidal Region Of The Galactic Globular Cluster Ngc 6388

Mentors: Dr. Richa Kundu

Student's Names:

1. Kanak Goyal, B.Sc. (Honours) Physics, Physics, IV, Miranda House (Du)
2. Manav Rao, B.Sc (Honours ) Physics , Physics , IV, Kirori Mal College
3. Deepanshu , B.Sc. (Honours) Physics, Physics, VI, Hindu College (Du)
4. Ritvik Tiwari, B.Sc. Physical Science With Electronics, Physics, II, Ramjas College(Du)

**Project: 23**

Title of the project: Extra-Tidal Region Of The Galactic Globular Cluster Ngc 6626

Mentors: Dr. Richa Kundu

Student's Names:

1. Naiya Mundoly, M.Sc Physics, Physics, II, Jamia Millia Islamia
2. Stuti Sharma , B.Sc. (Honours) Physics , Physics , IV, Fergusson College, Pune
3. Dhritiman Talukdar, B.Sc. (Honours) Physics , Physics, IV, Atma Ram Sanatan Dharma College (Du)

**Project: 24**

Title of the project: Fabrication Of 2 Inch Dia Mg Doped Zno Ceramic

Mentors: Reema Gupta, Bhishm Pratap Dev, T. Dayananda Sharma, Monika Tomar, Mallika Verma

Student's Names:

1. Vanshika Dogra, B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
2. Vashinavi , B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
3. Neetu Kumari , B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
4. Shivi Chauhan , B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
5. Sweety Punia , B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi

**Project: 25**

Title of the project: Fabrication Of Knn-Pvdf And Li:Knn-Pvdf Composites For The Piezoelectric Energy Harvesting

Mentors: Reema Gupta, Babita Sharma, Monika Tomar , Mallika Verma

Student's Names:

1. Vanshika Biyala , B.Sc. (H) Physics , Physics , IV, Hindu College, University Of Delhi
2. Vanshika Agarwal, Physical Science With Electronics, Physics , IV, Rajdhani College, University Of Delhi
3. Arpita , B.Sc. (H) Physics , Physics , IV, Hindu College, University Of Delhi
4. Shivam Royal , B.Sc. (H) Physics , Physics , IV, Hindu College, University Of Delhi
5. Sarika Rai, B.Sc. (H) Physics , Physics , IV, Hindu College, University Of Delhi
6. Piyush , M.Sc. Physics, Physics And Astrophysics , IV, University Of Delhi

**Project: 26**

Title of the project: Fabrication Of Sno<sub>2</sub>:Tio<sub>2</sub> Composite For Hydroelectric Energy Harvesting

Mentors: Anjali Sharma, Tanya Dasila, Monika Tomar, Mallika Verma

Student's Names:

1. Jigyasa Rana, B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
2. Lovely Aggarwal , B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
3. Divya Dhaka, B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi

### **Project: 27**

Title of the project: Fabrication Of Snse-Zns Heterojunction For Solar Cell Application

Mentors: Anjali Sharma, Kajal Jindal, Satyam Garg, Monika Tomar , Mallika Verma

Student's Names:

1. Sneh, B.Sc. (H) Physics , Physics, IV, Miranda House, University Of Delhi
2. Mehak Yadav, B.Sc. (H) Physics , Physics, IV, Miranda House, University Of Delhi
3. Sheetal , B.Sc. (H) Physics , Physics , VI, Ramjas College, University Of Delhi
4. Payal , M.Sc. Physics, Physics And Astrophysics , II, University Of Delhi
5. Yuvraj , M.Sc. Physics, Physics And Astrophysics , II, Nit, Rourkela

### **Project: 28**

Title of the project: Identity Card Authentication Using Digital Image Processing

Techniques

Mentors: Sonam Singh, Nirmala Saini

Student's Names:

1. Matilda Lourembam, B. Sc. (H) Physics, Physics , I, Miranda House, University Of Delhi
2. Palak Sharma, B. Sc. (H) Physics, Physics , II, Miranda House, University Of Delhi
3. Purvanshi Sharma, B. Sc. (H) Physics, Physics , II, Miranda House, University Of Delhi

### **Project: 29**

Title of the project: Integrating Aesthetic And Functional Design: A Computation Study Of Hexagonal Jali Patterns In Built Environments

Mentors: Rashmi Rakshit, Sonam Singh

Student's Names:

1. Gokulpriyadharsan M, B.Sc. (H) Physics, Physics , II, Kirori Mal College, University Of Delhi
2. Divyanshu Chaudhary, B.Sc. (H) Physics, Physics , II, Kirori Mal College, University Of Delhi

**Project: 30**

Title of the project: Mapping The Late-Time Universe:  $\Lambda$ cdm Constraints From Cosmic Beacons"

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

Student's Names:

1. Ayushi Gupta, Bsc. (Hons.) Physics, Physics, IV, Miranda House, University Of Delhi
2. Abhilipsa Patra, Bsc. (Hons.) Physics, Physics, IV, Miranda House, University Of Delhi
3. Ms. Bhumika, Bsc. (Hons.) Physics, Physics, IV, Miranda House, University Of Delhi
4. Anveeta Mahonaty, Bsc. (Hons.) Physics, Physics, IV, Miranda House, University Of Delhi

**Project: 31**

Title of the project: Pani Based Flexible Thermoelectric Energy Harvester

Mentors: Anjali Sharma, Satyam Garg, Monika Tomar, Mallika Verma

Student's Names:

1. Lipi Singh , B.Sc. (H) Physics , Physics, VI, Miranda House, University Of Delhi
2. Tejaswita , B.Sc. (H) Physics , Physics, VI, Miranda House, University Of Delhi
3. Sonia , B.Sc. (H) Physics , Physics, IV, Miranda House, University Of Delhi
4. Nikita Tewari, B.Sc. (H) Physics , Physics, IV, Miranda House, University Of Delhi

**Project: 32**

Title of the project: Performance Analysis Of Solar Air Dryers

Mentors: Rashmi Rakshit, Sonam Singh

Student's Names:

1. Vinay Pratap Singh, B.Sc. (H) Physics, Physics , Degree Completed, Motilal Nehru College, University Of Delhi
2. Manju, B.Sc. (H) Physics, Physics , III, Miranda House, University Of Delhi
3. Vidushi Chaudhary, B.Sc. (H) Physics, Physics , II, Miranda House, University Of Delhi

**Project: 33**

Title of the project: Phase Recovery Using Gabor-Wigner Transform With Zernike Based Aberration Assessment

Mentors: Sonam Singh, Nirmala Saini

Student's Names:

1. E Metna Subba, B. Sc. (H) Physics, Physics , II, Miranda House, University Of Delhi
2. Garima, B. Sc. (H) Physics, Physics , II, Miranda House, University Of Delhi

3. Priyanka Prakhy, B. Sc. (H) Physics, Physics , II, Daulat Ram College, University Of Delhi
4. Swati, B. Sc. (H) Physics, Physics , II, Daulat Ram College, University Of Delhi

#### **Project: 34**

Title of the project: Photometric And Kinematic Study Of Open Star Clusters

Mentors: Dr. Richa Kundu, Dr. Neelam Panwar

Student's Names:

1. Prerna Chauhan, B.Sc. (Honours) Physics, Physics, VI, Deen Dayal Upadhyaya College (Du)
2. Pavini Sharma, B.Sc. (Honours) Physics, Physics, VI, Manipal University Jaipur
3. Arshiya Singh, B.Sc (Honours ) Physics , Physics, VI, Hindu College (Du)

#### **Project: 35**

Title of the project: Physical Parameters Of Stars In Ngc 6397 Using Full Spectrum Fitting

Mentors: Dr. Richa Kundu, Mr. Nitesh

Student's Names:

1. Shubhankar Jagdale, B.Sc (Honours ) Physics, Physics , II, Hansraj College
2. Satwik Rath , B.Sc (Honours ) Physics, Physics , II, Kirori Mal College

#### **Project: 36**

Title of the project: Quantitative Characterization Of Lunar Craters Using Digital Image

Processing Techniques

Mentors: Sonam Singh, Nirmala Saini

Student's Names:

1. Abhas Mishra, B. Sc. (H) Physics, Physics , I, Arsd College, University Of Delhi
2. Divya Chauhan, B. Sc. (H) Physics, Physics , II, Shaheed Rajguru College, University Of Delhi
3. Ifra Mahboob, B. Sc. (H) Physics, Physics , II, Shaheed Rajguru College, University Of Delhi
4. Khushi Jha, B. Sc. (H) Physics, Physics , II, Shaheed Rajguru College, University Of Delhi
5. Nistha Parihar, B. Sc. (H) Physics, Physics , II, Shaheed Rajguru College, University Of Delhi

**Project: 37**

Title of the project: Realization Of A Mox Thin Film Based Biosensor For Detection Of Bilirubin

Mentors: Bilasini Naorem, Neha Batra, Manju Waikhom, Monika Tomar, Mallika Verma

Student's Names:

1. Fida Fathima As, B.Sc. (H) Physics , Physics , VI, Miranda House, University Of Delhi
2. Priya Burdak, B.Sc. (H) Physics , Physics , VI, Miranda House, University Of Delhi
3. Kashish Yadav, B.Sc. (H) Physics , Physics , IV, Hindu College, University Of Delhi
4. Vishwanath Pratap Singh, M.Sc. Physics , Physics , II, Iit Bhilai, Chhattisgarh
5. Gautam Jangir, M.Sc. Physics , Physics , II, Ssjs College, University Of Rajasthan, Jaipur

**Project: 38**

Title of the project: Realization Of A Uv Photodetector Using Zno Thin Films

Mentors: Kajal Jindal, Bhishm Pratap Dev, Monika Tomar, Mallika Verma

Student's Names:

1. Pratigya Mahala , B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
2. Nandini Singh, B.Sc. (H) Physics , Physics, IV, Miranda House, University Of Delhi
3. Ojaswini Upmanyu, B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
4. Prisha , B.Sc. (H) Physics , Physics , IV, Miranda House, University Of Delhi
5. Harshit Rastogi , M.Sc. Physics , Physics And Astrophysics , II , University Of Delhi

**Project: 39**

Title of the project: Realization Of Electronic Nose For Real Time Detection Of Air Pollution

Mentors: Bilasini Naorem, Monika Tomar, Mallika Verma

Student's Names:

1. Chandni Srivastava , B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi
2. Kashak Sharma , B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi
3. Bhumi , B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi
4. Nimish Khandelwal , B.Sc. (H) Physics , Physics , II, Hansraj College, University Of Delhi
5. Ashish Ranjan , B.Sc. M.Sc. Integrated , Physics , II, Delhi Technological University

**Project: 40**

Title of the project: Recalibration And Restoration Of Cflib Library Using Deep Learning-Based Spectral Interpolation

Mentors: Dr. Richa Kundu, Dr. Kaushal Sharma

Student's Names:

1. Vyom Singh Rathore, B.Sc. (Honours) Physics, Physics, VI, Atma Ram Sanatan Dharma College (Du)
2. Suhani, B. Sc. (Honours) Physics, Physics, VI, Hindu College (Du)
3. Sonika Sehgal, B.Tech Ai MI, It, II, Indira Gandhi Delhi Technical University For Women

### **Project: 41**

Title of the project: Smart Navigation Assistant For The Visually Challenged

Mentors: Bilasini Naorem, Monika Tomar, Mallika Verma

Student's Names:

1. Aakansha Maheshwari , B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi
2. Jaskirat Singh, B.Sc. (H) Physics , Physics , II, Sgtn Khalsa College, University Of Delhi

### **Project: 42**

Title of the project: Snse/In2Se3 Heterojunction Fabrication And Its Uv Sensing Characteristics

Mentors: Kajal Jindal, Satyam Garg, Monika Tomar, Mallika Verma

Student's Names:

1. Khushboo Gangwar, B.Sc. (H) Physics , Physics , VI, Miranda House, University Of Delhi
2. Ananya Arora , B.Sc. (H) Physics , Physics , IV, Kirori Mal College, University Of Delhi
3. Abhishek Kumar , B.Sc. (H) Physics , Physics , IV, Kirori Mal College, University Of Delhi
4. Priyanshu Jaiswal, B.Sc. (H) Physics , Physics , IV, Kirori Mal College, University Of Delhi

### **Project: 43**

Title of the project: Solar Powered Automated Rover For Planetary Exploration

Mentors: Bilasini Naorem, Monika Tomar, Mallika Verma

Student's Names:

1. Anivesh Singh, B.Sc. (H) Physics , Physics , II, Motilal Nehru College, University Of Delhi
2. Mihir Arora, B.Sc. (H) Physics , Physics , II, Hansraj College, University Of Delhi
3. Palak, B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi
4. Ramayani Roy, B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi
5. Shweta, B.Sc. (H) Physics , Physics , II, Miranda House, University Of Delhi

**Project: 44**

Title of the project: Spectral Analysis Of Quantum Chaotic Systems: A Random Matrix Theory Approach Using Experimental Data

Mentors: Dr. Ambuja Bhushan Jaiswal

Student's Names:

1. Anushkaa Jain, B.Sc. Physics(H), Department Of Physics, IV, Miranda House, University Of Delhi
2. Huidrom Jheelina, B.Sc. Physics(H), Department Of Physics, VI, Miranda House, University Of Delhi
3. Gurbanni Mahajan, B.Sc. Physics(H), Department Of Physics, IV, Miranda House, University Of Delhi
4. Soumya Singh, B.Sc. Physics(H), Department Of Physics, IV, Miranda House, University Of Delhi
5. Shubham Rawat, B.Sc. Physics(H), Department Of Physics, II, Hansraj College , University Of Delhi

**Project: 45**

Title of the project: Statistical Analysis: A Fresh Perspective On The Hubble Tension Using SNe Ia Data.

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

Student's Names:

1. Khush Shaw, B.Sc(H) Physics , Physics, IV, Hansraj College
2. Himanshu Aggarwal , B. Sc. (H) Physics , Physics, IV, Hansraj College, University Of Delhi
3. Sudarshan Kumar , B. Sc. (H) Physics , Physics, IV, Arsd College, University Of Delhi
4. Ashish Patel, B. Sc. (H) Physics , Physics, IV, Arsd College, University Of Delhi

**Project: 46**

Title of the project: Stellar Variability

Mentors: Dr. Richa Kundu

Student's Names:

1. Khushi, B.Sc. (Honours) Physics, Physics, VI, Miranda House (Du)

**Project: 47**

Title of the project: Story Of A Mud Volcano: Estimation Of Deposition And Eruption Time Gap Using Coamogenic Radionuclides

Mentors: Dr. S. P. Dhal

Student's Names:

1. Kushal Yadav, B.Sc Physics (H), Department Of Physics, VI, Hansraj College
2. Harshita Motwani, Bs-Ms, Integrated Bsms, II, Iiser Kolkata
3. Aakanksha Saini, B.Sc Physics (H), Department Of Physics, II, Miranda House, University Of Delhi

**Project: 48**

Title of the project: Understanding The Nature Of Micrometeorites: A Geochemical And Scanning Electron Microscope Study Of Micrometeorites From Southern Part Of India

Mentors: Dr. S. P. Dhal

Student's Names:

1. Apoorva Arya, B.Sc Physics (H), Department Of Physics, II, Miranda House, University Of Delhi
2. Divya, B.Sc Physics (H), Department Of Physics, II, Miranda House, University Of Delhi
3. Myra Raj, B.Sc Geology (H), Department Of Geology , II, Fergusson College

**POLITICAL SCIENCE**

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

**Project: 1**

Title of the project: A Livelihood In The Shadows: How Gig Work Enables Employment In The Absence Of Formal Jobs

Mentors: Prof. Bijayalaxmi Nanda, Prof. Namrata Singh, Mr. Dushyant Kumar

Student's Names:

1. Shaily Khandelwal, B.A. Prog. Economics And Political Science, Political Science, IV, Kalindi College For Women

**Project: 2**

Title of the project: Education And Empowerment Denied: Examining Patriarchal Barriers, Policy Failures, And Hidden Potential Of Rural Girls In Uttar Pradesh: A Study Of Itaouriya Village In Shahjahanpur, Uttar Pradesh.

Mentors: Prof. Bijayalaxmi Nanda, Prof. Namrata Singh, Mr. Dushyant Kumar

Student's Names:

1. Avantika Singh, B.A. Hons. Political Science, Political Science, IV, Miranda House

### **Project: 3**

Title of the project: Evaluating Sports Policies, Their Implementation, And Socio-Economic Impacts On Indian Athletes

Mentors: Prof. Bijayalaxmi Nanda, Prof. Namrata Singh, Mr. Dushyant Kumar

Student's Names:

1. Chandrika, B.A. Hons. Geography, Geography, VI, Miranda House

### **Project: 4**

Title of the project: Governance Structures And Impact Of Mega-Event Urban Planning On Marginalised Communities: A Cross-Continental Perspective

Mentors: Prof. Bijayalaxmi Nanda, Prof. Namrata Singh, Mr. Dushyant Kumar

Student's Names:

1. Anisha Kaushik, B.A. Hons. Political Science, Political Science, IV, Miranda House

### **Project: 5**

Title of the project: Hybridity, Hegemony, Or Syncretism: The Case Of Punjabi Hindus

Mentors: Prof. Bijayalaxmi Nanda, Prof. Namrata Singh, Mr. Dushyant Kumar

Student's Names:

1. Muskan, B.A. Hons. Political Science, Political Science, VI, Miranda House

### **Project: 6**

Title of the project: Impact Of Digital Payments On Micro Enterprises

Mentors: Prof. Bijayalaxmi Nanda, Prof. Namrata Singh, Mr. Dushyant Kumar

Student's Names:

1. Simran Bakshi, M.Com., Commerce, II, Sol, University Of Delhi

### **Project: 7**

Title of the project: Platform Capitalism And The New Margins: An Ambedkarite Analysis Of Gig Workers In Urban India

Mentors: Prof. Bijayalaxmi Nanda, Prof. Namrata Singh, Mr. Dushyant Kumar

Student's Names:

1. Kamini Singh, B.A. Hons. Political Science, Political Science, VI, Miranda House

**Project: 8**

Title of the project: Reclaiming Empowerment: A Thematic Analysis Of Dr. B.R. Ambedkar'S Vision For Women'S Empowerment

Mentors: Prof. Bijayalaxmi Nanda, Prof. Namrata Singh, Mr. Dushyant Kumar

Student's Names:

1. Udita Das, B.A. Hons. Political Science, Political Science, IV, Miranda House

**ZOOLOGY DEPARTMENT**

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

**Project: 1**

Title of the project: A Cognitive Study On The Effect Of Screen Time And Sleep Duration On Retention Span In Undergraduate Students

Mentors: Dr. Reetuparna Basak, Dr. Shivani Kumari

Student's Names:

1. Nandini Rana , B.Sc. Life Science, Zoology, VI, Miranda House

**Project: 2**

Title of the project: A Neuropsychological Evaluation Of Cognitive Enhancement Through Structured Puzzle-Based Interventions

Mentors: Dr. Nisha Vashishta, Dr. Pooja Suman

Student's Names:

1. Pratishtha Dinkar, B. Sc. Life Sciences, Zoology, II, Miranda House
2. Lipi Tiwari, B. Sc. Life Sciences, Zoology, IV, Daulat Ram College
3. Anam Saeed, B.Sc. (Hons) Zoology, Zoology, VI, Zakir Husain Delhi College
4. Shreyanshi Verma, B. Sc. Life Sciences, Zoology, IV, Daulat Ram College
5. Ananya Das, B. Sc. Life Sciences, Zoology, IV, Miranda House
6. Sahiba, B.Sc. (Hons) Zoology, Zoology, VI, Zakir Husain Delhi College
7. Sumedha Kapoor, B.Sc. Biotechnology, Zoology, IV, Gd Goenka University
8. Shriyashi Dalakoti, B.Sc. (Hons) Zoology, Zoology, IV, Hansraj College
9. Anshika Yadav, Bs-Ms, Zoology, II, Iiserk
10. Navya Nassa, B.Sc. (Hons) Zoology, Zoology, IV, Hansraj College
11. Anchal, B.Sc. (Hons) Zoology, Zoology, IV, Hansraj College

**Project: 3**

Title of the project: Ashwagandha As A Protective Phytomedicine In Nanotoxicology: A Study Using Model Organism Drosophila Melanogaster

Mentors: Dr. Pooja Suman, Dr. Nisha Vashishta

Student's Names:

1. Anish Mehta, B.Sc. Life Sciences, Zoology, VI, Kirori Mal College
2. Himanshi Berwal, B.Sc. Life Sciences, Zoology, VI, Kirori Mal College
3. Nidhi Mahto, B.Sc. Life Sciences, Zoology, VI, Shivaji College
4. Saima Siddiqui, M.Sc Zoology, Zoology, II, Aligarh Muslim University
5. Debasmita Roy, B.Sc Biological Sciences (Hons), Zoology, VI, Sri Venkateswara College
6. Somil Kumar, B.Sc. (Hons) Zoology, Zoology, IV, Sri Guru Tegh Bahadur Khalsa College
7. Ishita Varshney, B.Tech Biotechnology, Zoology, II, Iilm University

**Project: 4**

Title of the project: Assesment Of Water Quality And Helth Risk Near Landfill Sides In Delhi

Mentors: Rekha Kumari, Deepak Yadav, Joni Yadav

Student's Names:

1. Shreya Mukherjee, B.Sc. Life Sciences, Zoology, IV, Miranda House
2. Lipika Agrawal, B.Sc. Life Sciences, Zoology, IV, Hansraj College

**Project: 5**

Title of the project: Computational Analysis Of Dosr Regulon Genes Of Mycobacterium Tuberculosis As Potential Vaccine Candidate

Mentors: Dr. Sadhna Sharma, Manika Sharma, Dr. Monika Sharma

Student's Names:

1. Nitya Arora, B.Sc. (Hons) Biochemistry, Zoology, IV, Institute Of Home Economics
2. Saumya Singh, B.Sc(Hons) Zoology, Zoology, IV, Daulat Ram College
3. Shivesh Raj Singh, B.Sc. (Hons) Botany, Zoology, IV, Kirori Mal College

**Project: 6**

Title of the project: Computational Elucidation Of Pe\_Pgrs Family Genes Derived Immunogenic Epitopes And In Silico Vaccine Assembly Against Mycobacterium Tuberculosis

Mentors: Dr. Monika Sharma, Anjali, Dr. Sadhna Sharma

Student's Names:

1. Jigyasa Rawat, B.Sc.(H) Biotechnology, Zoology, IV, Sharda University

2. Kajal, B.Sc Life Sciences, Zoology, V, Daulat Ram College

**Project: 7**

Title of the project: From Plastic To Catastrophic: Decoding Toxicity Of Polystyrene Nanoplastic On Drosophila Melanogaster

Mentors: Dr. Pooja Suman, Dr. Nisha Vashishta

Student's Names:

1. Himanshi Bansal, B.Sc. Life Sciences, Zoology, IV, Swami Shraddhanand College
2. Ekanshi Jaiswal, B.Sc. Life Sciences, Zoology, IV, Swami Shraddhanand College

**Project: 8**

Title of the project: From Plastic To Catastrophic: Decoding Toxicity Of Polysyrene Nanoplastic On Drosophila Melanogaster

Mentors: Dr. Pooja Suman, Dr. Nisha Vashishta

Student's Names:

1. Lavanya Arora, B.Sc. Life Sciences, Zoology, IV, Swami Shraddhanand College

**Project: 9**

Title of the project: Green Synthesis Of Silver Nanoparticles And Its Antibacterial Activity

Mentors: Deepak Yadav, Rekha Kumari, Joni Yadav

Student's Names:

1. Shriyam Mishra, B.Sc. (P) Life Sciences, Zoology, VI, Gargi College, University Of Delhi
2. Mahima Gupta, B.Sc. (H) Zoology, Zoology, VI, Gargi College, University Of Delhi
3. Vidhi Verma, B.Sc. (H) Zoology, Zoology, VI, Gargi College, University Of Delhi
4. Nishtha, Msc. Biotechnology, Zoology, II, Chandigarh University, Punjab
5. Divyansh Yadav, B.Sc. (P) Life Sciences, Zoology, II, Sri Venkateswara College, University Of Delhi
6. Anushka Sharma, Integrated Bsc- Msc Biotechnology, Zoology, II, Delhi Technological University
7. Shubhi Upadhyay, B.Sc. Life Sciences, Zoology, VI, Professor Rajendra Singh University, Prayagraj
8. Anshika Kaushik, Msc. Biotechnology, Zoology, II, Manav Rachna International Institute Of Research And Studies, Haryana

**Project: 10**

Title of the project: In Silico Characterization Of Rv1738, Rv1733C, And Rv1813C: A Step Towards Multi-Epitope Vaccine Design Against Mycobacterium Tuberculosis

Mentors: Dr. Sadhna Sharma, Devanshu, Dr. Monika Sharma

Student's Names:

1. Lucky Kumari, B.Sc Life Sciences, Zoology, V, Gargi College
2. Manzil, B.Sc Life Sciences, Zoology, V, Daulat Ram College
3. Manvi Yadav, B.Sc(Hons) Zoology, Zoology, IV, SGTB Khalsa College

### **Project: 11**

Title of the project: In Silico Design Of A Multi-Epitope Vaccine Against Mycobacterium Tuberculosis By Predicting Promiscuous Mhc Class I And Ii Binding T Cell Epitopes From Extracellular Vesicle-Associated Conserved Hypothetical Proteins

Mentors: Dr. Sadhna Sharma, Ayushi Kaur Bedi, Dr. Monika Sharma

Student's Names:

1. Ayushi Verma, B.Sc Life Sciences, Zoology, IV, Daulat Ram College
2. Ekta Rai, B.Sc. (Hons) Biochemistry, Zoology, IV, Institute Of Home Economics
3. Heetali Bansal, B.Sc. (Hons) Biochemistry, Zoology, IV, Institute Of Home Economics

### **Project: 12**

Title of the project: In-Silico Prediction Of Immunogenic Epitopes And Multi-Epitope Vaccine Design Targeting Pe/Ppe Proteins Of Mycobacterium Tuberculosis

Mentors: Dr. Monika Sharma, Nikita Kaur Bedi, Dr. Sadhna Sharma

Student's Names:

1. Arya Rani, B.Sc. (Hons) Biochemistry, Zoology, IV, Institute Of Home Economics
2. Asmita Deswal, M.Sc Zoology, Zoology, II, Department Of Zoology
3. Atulya Rajesh, BSMS, Zoology, II, IISER Thiruvananthapuram

### **Project: 13**

Title of the project: Innovative Handmade Paper Making Through Eco-Friendly Techniques

Mentors: Dr. Jyoti Arora

Student's Names:

1. Saniya Aashmeen, B.Sc. Life Sciences, Zoology, II, Hansraj College
2. Yasmeen Farahath, B.Sc. (H) Zoology, Zoology, II, Hansraj College
3. Shyamali Rai, B.Sc. (H) Zoology, Zoology, II, Miranda House
4. Sanskriti Singh, B.Sc. (H) Zoology, Zoology, II, Miranda House
5. Yashika, B.Sc. (H) Zoology, Zoology, II, Miranda House
6. Ashna Sharma, B.Sc. (H) Zoology, Zoology, II, Miranda House

**Project: 14**

Title of the project: Integrative Bioinformatic Approach To Epitope Mapping And Vaccine Construction From Rv0775C And Rv1548C Of Mycobacterium Tuberculosis

Mentors: Dr. Monika Sharma, Toshani, Dr. Sadhna Sharma

Student's Names:

1. Aastha Malhotra, B.Sc. (Hons) Zoology, Zoology, IV, Hansraj College
2. Alina, Msc (Zoology), Zoology, II, Department Of Zoology

**Project: 15**

Title of the project: Investigating Ashwagandha'S Efficacy In Reversing Pathophysiological Effects Of Diabetes And Stevia Consumption On Drosophila Melanogaster

Mentors: Dr. Pooja Suman, Dr. Nisha Vashishta

Student's Names:

1. Vinayak Garg, B.Sc. (Hons) Zoology, Zoology, IV, Hansraj College
2. Suramya Lalit, B.Sc. (Hons) Zoology, Zoology, IV, Hansraj College
3. Yogya Singh, B.Sc. (Hons) Zoology, Zoology, IV, Hansraj College
4. Varun Aggarwal, B.Sc. (Hons) Zoology, Zoology, IV, Hansraj College

**Project: 16**

Title of the project: Modeling Als Like Phenotypes In Drosophila Melanogaster : Evaluation Of Neuroprotective Effects Of Withania Somnifera Against Lead Toxicity

Mentors: Dr. Pooja Suman, Dr. Nisha Vashishta

Student's Names:

1. Nitika, B.Sc. Life Sciences, Zoology, VI, Ramjas College
2. Anwesha Shree, B.Sc. Life Sciences, Zoology, VI, Ramjas College
3. Ritul Kumari, B.Sc. Life Sciences, Zoology, VI, Ramjas College
4. Gauri Goswami, B.Sc. Life Sciences, Zoology, VI, Kirori Mal College
5. Aaisha Shoeb, B.Sc. (Hons) Zoology, Zoology, II, Miranda House
6. Gungun Mathur, B.Sc. (Hons) Zoology, Zoology, II, Miranda House

**Project: 17**

Title of the project: Reverse Vaccinology-Guided Design Of A Multi-Epitope Subunit Vaccine Targeting Virulent Pe\_Pgrs Proteins Of Mycobacterium Tuberculosis

Mentors: Dr. Monika Sharma, Dr. Parul Bhatt, Dr. Sadhna Sharma

Student's Names:

1. Shree Babu, B. Sc. (H) Zoology, Zoology, V, Hansraj College
2. Subhechchha Bar, M.Sc Zoology, Zoology, II, Central University Of Punjab

3. Treeptee Pandey, Bsc Life Sciences, Zoology, V, Gargi College
4. Vaishnavi Pathak, Bsc Life Sciences, Zoology, V, Gargi College

**Project: 18**

Title of the project: Structural Modeling Of Proteins Involved In Cardiovascular Disease (Cvds)

Mentors: Rekha Kumari, Deepak Yadav, Joni Yadav

Student's Names:

1. Paridhi Chamoli, B.Sc. Life Sciences, Zoology, IV, Sri Aurobindo College
2. Nikita Kumari, B.Sc. Hons And Research Biotechnology, Zoology, IV, Gd Goenka University
3. Tanisha Singh, B.Sc. Life Sciences, Zoology, VI, Kirori Mal College

**Teacher Mentors**

<b>Botany</b>
1. Prof. Madhu Bajaj 2. Prof. Saloni Bahri 3. Dr. Somdutta Sinha Roy 4. Dr. Veena Beri 5. Mr. Vijay Kumar 6. Mr. Sonu Giri 7. Mr. Binod Kumar Mehto 8. Mr. Umesh Chandra Joshi 9. Mr. Prince Kumar 10. Mr. Dinesh Kumar 11. Mr. Uttam Singh Rawat 12. Mr. Dinesh Giri
<b>Chemistry</b>
1. Prof Mallika Pathak 2. Prof. Kalawati Saini 3. Dr. Nutan Rani 4. Prof. Malti Sharma 5. Dr Anita Kumari 6. Prof. Smriti Sharma Bhatia 7. Dr. Deepti Rawat 8. Dr. Anshika Lumb 9. Dr Taruna Singh 10. Ms. P. Lishinai Paoteimai 11. Dr. Preeti Droliya 12. Dr. Mamta Sethi 13. Dr Priyamvada Singh 14. Mr. Vijay Kumar 15. Mr. Deepak Kumar 16. Mr. Sunil Kumar Bhardwaj 17. Mr. Gauri Shankar 18. Mr. Harkesh Meena 19. Mr. Sanjeev Kumar 20. Mr. Sunil Kumar 21. Mr. Prakash

- 22. Mr. Vikash Kaner
- 23. Mr. Subhash Chand
- 24. Mr. Amit Kumar
- 25. Mr. Shashi Mohan Shah
- 26. Mr. Sachin Kumar
- 27. Mr. Pavan Kumar
- 28. Mr. Rajender Kumar
- 29. Mr. Mohit
- 30. Mr. Shashan
- 31. Mr. Deepak
- 32. Mr. Sanjeev Kumar

### **Computer Science**

- 1. Dr. Seema Aggarwal
- 2. Dr Priti Rai Jain
- 3. Dr. Tarun Kumar Gupta
- 4. Dr Tulika Kumari

### **Geography**

- 1. Prof. Monika Vij
- 2. Prof. Bashabi Gupta
- 3. Dr Ankita Medhi
- 4. Dr. Rashmi Singh
- 5. Dr. Shipra Singh
- 6. Dr Shikha Yadav
- 7. Dr. Praffulit Bisht
- 8. Dr Om jee Ranjan
- 9. Dr. Ruchi Sachan
- 10. Dr. Pratibha Tomar
- 11. Ms. Milu Marium Jose

### **Mathematics**

- 1 Prof. Sunila Sharma
- 2 Dr. Daulti Verma
- 3 Dr Jyoti Talwar
- 4 Mr Mohit Kumar Macchal
- 5 Dr. Sneha Mavi

6 Dr Rekha Gupta
7 Mohd. Sarik Idrisi

### **Physics**

1 Dr. Mallika Verma
2 Dr. Rashmi Rakshit
3 Dr. Abha Dev Habib
4 Dr. Bilasini Naorem
5 Prof. Monika Tomar
6 Dr. S. P. Dhal
7 Dr. Nirmala Saini
8 Dr. Nisha Rani
9 Dr. Sonam Singh
10 Dr. Ambuja Bhushan Jaiswal
11 Dr Richa Kundu
12 Prof. Arijit Chowdhuri
13 Dr. Anjali Sharma
14 Dr. Neha Batra
15 Dr. Reema Gupta
16 Dr. Kajal Jindal
17 Dr. Neelam Panwar
18 Dr. Kaushal Sharma
19 Dr. Nitesh
20 Babita Sharma
21 Bhishm Pratap Dev
22 Satyam Garg
23 Tanya Dasila
24 Denny Thokchom
25 Manju Waikhom
26 T. Dayananda Sharma

### **Political Science**

1. Prof. Bijayalaxmi Nanda
2. Prof. Namrata Singh
3. Mr. Dushyant Kumar

### **Zoology**

1 Dr. Nisha Vashishta
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2 Prof. Rekha Kumari
3 Dr. Sadhna Sharma
4 Dr. Jyoti Arora
5 Dr. Monika Sharma
6 Dr Simran Jit
7 Dr. Deepak Yadav
8 Dr. Pooja Suman
9 Dr. Reetuparna Basak
10 Dr. Shivani Kumari
11 Dr. Parul Bhatt
12 Anjali
13 Ayushi Kaur Bedi
14 Devanshu
15 Manika Sharma
16 Nikita Kaur Bedi
17 Toshani
18 Deepika
19 Kusum
20 Anisha Chahar

Professor Bijayalaxmi Nanda

**Patron**

Prof. Monika Tomar

**Programme Coordinator**