

Centre for Research

MAITREYI COLLEGE

UNIVERSITY OF DELHI

Chanakyapuri, New Delhi-110021

Summer Internship Programme 2023-24

Date of Commencement- June 20, 2024

Duration -2 Months (June, 20 – August 20, 2024)

List of Selected Project proposals for SIP 2023-24

Code	Department	Title of the Project	Mentor/s	Mentees
SIP23-24/01	Botany	Breakthrough of Methicillin resistant Staphylococcus aureus (MRSA) strains through in-silico screening of Natural compounds	Dr. Vandana & Dr. Akash Pratap Singh	1. Ellapu.Hema Roshini, B.Sc.(H) Botany I Year 2. Aparajita Sarangi, B.Sc.(H) Botany I Year 3. Kumari Anju, B.Sc. Life Science I Year 4. Khushi Walia, B.Sc. Life Science I Year
SIP23-24/02	Botany	Comparative assessment of different techniques of soilless cultivation for optimising growth of plants in protected agricultural facilities	Dr Atika Chandra & Dr Kamal Sharma	1. Yashika Singhroha, Bsc (Prog) Life Science II Year 2. Astha Anand, BSc (Prog) Life Science II Year 3. Muskan, BSc (Prog) Life Science II Year 4. Anjali, BSc (Prog) Life Science II Year 5. Disha, BSc (Hons) Chemistry II Year 6. Nikhita, BSc (Hons) Botany II Year 7. Soumya, BSc (Hons) Botany II Year
SIP23-24/03	Chemistry	Degradation of Dyes by Bimetallic Nanocomposites of Silver and Copper using Green and Novel approach	Dr. Gita Batra Narula & Dr. Durgesh Kumar	1.Nourein Shailesh, B.Sc. (P) Life Science I Year 2. Bhavya Pahwa, B.Sc. (P) Life Science I Year 3. Pallavi Singh B.Sc. (H) Chemistry II Year 4. Shreya Makkar B.Sc. (H) Chemistry II Year

SIP23-24/05	Commerce	Defence Sector and India's quest towards Self-Reliance	Ms. Apurva Setia & Dr Vidisha Garg	1. Bhavika Gumber, B.Com (P) II year 2. Maitreyee Chauhan, B.Com (P) II year 3. Rhea Bhardwaj, B Com (P) II Year
SIP23-24/07	Computer Science	3M's In Pursuance of Self Reliance in Indian Healthcare Systems- Metagenomics, Metabolomics & Meta-Analysis	Prof. Huiru Jane Zheng, Dr. Veena Ghuriani, Dr. Jyotsana Talreja	1. Priyal Tripathi, B.Sc Life Sciences I Year 2. Anshika Chauhan, B.Sc Life Sciences I Year
SIP23-24/08	Computer Science	AI based Recommender Systems are shaping the Consumer Behavior: A case study of Indian Youth	Dr Veena Ghuriani	1. Ritika Kumar, B.Sc. Mathematics(H) II Sem 2. Aayati Aggarwal, B.A. Economics(H) II Sem
SIP23-24/09	Computer Science	Tailoring Digital Experiences: Personalized Recommender Systems for Generation Alpha	Ms. Rupali Ahuja	1. Janhavi Khandelwal, BA Programme 2. Rinkal Bhadauria, BA Programme
SIP23-24/10	Economics	Modern Applications of Traditional Indian Storage Practices for India's Self-Reliance	Ms. Aastha Arora, Ms. Shubhra Suman	1. Ananya Singh, B.A.(Hons) Economics II Year 2. Siddhi Deep, B.A.(Hons) Economics II Year 3. Priyanshi Gautam, B.A.(P) II Year 4. Suhani Bharadwaj, B.A.(Hons) Economics II Year
SIP23-24/13	English	Social Reform and the Bhakti Tradition in Medieval Assam: An Analysis of the Borgeet and Kirtan of Sankardeva	Ms Ruchi Sharma	1. Disha Hatikakoty, B.A. (Hons) English II Year
SIP23-24/16	English	Gendered Subjectivity and Notions of Selfhood in Mirabai's Compositions	Ms Ruchi Sharma	1. Saloni Sharma, BA (Hons) English II year
SIP23-24/17	English	Invisible Female Labour: (Re)locating Working Women in Hindi Cinema	Ms Manisha Saluja	1. Harshita Bagga, B.A. (Hons) English II year
SIP23-24/18	English	Representations of Disability, Relationships, and Sexuality in Literature and Cinema: Challenging Stereotypes and Advocating for Inclusivity	Dr. Smriti Singh	1. Angela Sareen, B.A. (Hons) English
SIP23-24/19	English	Ethical Contemplations in Gene Editing: Indian Fictional Narratives	Ms. Manisha Saluja	1. Khushi, BA (Hons) English II Year

SIP23-24/21	English	Re-visiting 'Dharma': A Study of the Ancient Indian Concept and its Modern Relevance	Ms. Nupur Chawla	1. Ashima Khaneja, BA (Hons.) English II year 2. Pratibha Soni, BA (Hons.) English II year 3. Kalpi Devrani, BA (Hons.) English I year
SIP23-24/24	Hindi	"खत्म होती औपनिवेशिक मानसिकता: आत्मनिर्भर भारत में ज्ञान का आधार बनती हिंदी"	Dr. Anita Devi & Mr. Ankit Kumar Rai	1. Adithya Prabhakaran, B.A(Hons) Hindi III Year 2. Pratima Maurya, B.A(H) Hindi III year 3. Sakshi Mishra B.A (P) I Year
SIP23-24/25	History	Knowledge System of Terracotta Art of Ambaran, Jammu	Dr. Mukta Raut Dey	1. Scientia Karlupia, B.A.(P) Political science + History, I year 2. Nafisha Khatoon, B.A.(Hons.) History, I year
SIP23-24/28	Mathematics	Integrating Ancient Indian Mathematical Techniques into Modern Computer Science Algorithms	Dr. Varsha Chauhan & Mr. Monu Kumar	1. Mahak Mishra, B.Sc (Prog.) Physical science with Chemistry, II Year 2. Munjal Sharma, B.Sc (Prog.) Physical science with Computer Science, II Year 3. Sneha Srivastava, B.Sc (Prog.) Physical science with Computer Science, II Year 4. Yogita Sharma, B.Sc (Prog.) Physical Science with Informatics Practices, II Year
SIP23-24/29	Mathematics	Towards Self Reliant India: Decoding Indian Startups through Statistical Insights.	Dr. Geetan Manchanda & Dr. Simran Kaur	1. Neha Budhani, B.Sc.(Hons) Mathematics, II year 2. Rajan Kaur, B.Sc.(Hons) Mathematics, II year 3. Anushka, B.Sc.(Hons) Mathematics, I year 4. Bhavika Gupta, B.Sc. (Hons) Mathematics, I year
SIP23-24/31	Physics	Empowering Individuals through Piezoelectric Energy Harvesting: Building Self-Reliance, One Step at a Time	Dr. Prajwalit Shikha & Dr Ritu Dhingra	1. Kashish Mishra, B.Sc.(H) Physics II year

				2. Saniya, B.Sc.(H) Physics II year 3. Ananya Matta, B.Sc. Physics (Hons.) I Year 4. Yashi kardam, B. Sc.(Hons.) Physics I year
SIP23- 24/32	Physics	Optimization of Polyaniline (PANI) thin films for improved Electrochromic properties	Dr Mansi Dhingra & Dr Parul Yadav	1. Karina, B.Sc. (Hons) Physics, II Year 2. Neelakshi Lakra, B.Sc. (Hons) Physics, II Year 3. Aliya, B.Sc. (Hons) Physics, II Year 4. Anjali, B.Sc. (Hons) Physics, II Year
SIP23- 24/35	Punjabi	Punjabi Cinema: Kal te Aaj di filma vichkar tulna	Dr. Harmeet Kaur & Dr.Sarika Sharma	1. Bhumika Kamboj, B.A (P), I year 2. Diksha Sharma, B.A (P), III year 3. Harsimrat Kaur, B.A (H) English I year 4. Shalvi, B.A (P) I year
SIP23- 24/38	Sanskrit	बेटी बचाओ , बेटी पढ़ाओ के सन्दर्भ में आधुनिक संस्कृत साहित्य की भूमिका	Dr. Hemlata Rani & Dr Pramod Kumar Singh	1. Janhvi Maddhesiya, B.A (H) Sanskrit I year 2. Ameesha kumari, BA (H) Sanskrit, I year 3. Hani Sriwastava, BA (H) Sanskrit, I year 4. Daya Gaur, BA (H) Sanskrit, II year
SIP23- 24/41	Sociology	Exploring the traditional attire of the Boro Tribe as part of Indigenous Knowledge system, symbolic expression of identity and means to Self-Reliance	Dr. Aruna Grover	1. Loysree Daimari, B.A. (Hons) Sociology II Year 2. Kritima Boro, B.A. (Hons) Political Science I Year
SIP23- 24/42	Sociology	Embeddedness in Social and Economic Relationships: A Comparative Study of Rural and Urban Weekly Markets	Dr. Neeraj Kumar	1. Sadhvi, B.A. (H) Sociology, II Year 2. Bhaswati Medhi, B.A. (H) Sociology II Year
SIP23- 24/43	Sociology	A Sociological Study of Mahabharat and Society	Mr. Pawan S. Harsana	1. Himadri Prasad, B.A (Hons) Sociology II Year 2. Taanisi Soni, B.A (Hons) Sociology II Year
SIP23- 24/44	Zoology	To explore the abundance of Soil Nematodes in Maitreyi College Campus	Dr. Shilpa Bharti & Dr. Jaspreet Kaur	1. Shreyanshee Vaidya, B.Sc. (H) Zoology I Year

				2. Manya Sharma, B.Sc. (H) Zoology, I Year 3. Nikita: B.Sc. (P) Life Science, I year 4) Niharika Pathak: B.Sc. (P) Life Science, I Year
SIP23- 24/45	Zoology	Assessment of Insect diversity in Maitreyi College Campus, University of Delhi, New Delhi.	Dr. Jaspreet Kaur & Dr. Mamta Pandey	1. Shreyanshee Vaidya, B.Sc. (Hons) Zoology I Year 2. Kriti Nayak, B.Sc. (Hons) Zoology I Year 3. Ridhi, B.Sc. Life Sciences I Year 4. Ananya Gautam, B.Sc. Life Sciences I Year 5. Ishika Sharma, B.Sc. Life Sciences I Year 6. Payal Yadav, B.Sc. Life Sciences I Year
SIP23- 24/47	Mathematics & Sanskrit	Symphony of Shapes: The Mathematical Mystique of Vedic Constructions	Dr. Neelima Ohri & Dr. Pramod Kumar Singh	1. Charu- B.Sc.(H) Mathematics, I Year 2. Deep Shikha, B.Sc (H) Mathematics, I Year 3. Dimple Budaniya, B.A. (Prog) (with Economics and Mathematics), I Year 4. Taniya Singh Gehlot, B.A. (H) Economics, I

Haritma Chopra

Prof. Haritma Chopra

Offg. Principal and Coordinator, CFR