

| Centre for Research, Maitreyi College | | | | |
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| List of project proposals selected for Summer Internship programme (SIP 2024-25) | | | | |
| Code | Department | Mentor/s | Title of the Project | Mentees |
| SIP/24-25/01 | Botany | Dr. Kamal Sharma, Dr. Priyanka Tyagi | Genetic Markers as Tools for assessing biodiversity of fungal pathogens of Pearl millet | Ms. Swati Kumari, B.Sc. Programme (Life sciences) Semester: 6th (3rd year); Ms. Anjali Singh: B.Sc. Programme (Life sciences) Semester: 6th (3rd year) |
| SIP/24-25/02 | Botany | Dr. Vandana and Dr. Mansi Gogna | Hexanoic Acid - A Novel Priming Agent for Agricultural Crop Cultivation | Aayushi Bansal, B.Sc. Life Science, 2nd Year; Sanya, B. Sc. Life Sciences, 3rd Year; Mihika Bidhuri, B. Sc. Life Sciences, 3rd Year |
| SIP/24-25/03 | Chemistry | Dr. Lata Vodwal | Synthesis and In-Silico Study of Imidazoles based Pharmacophores | Anisha Dedha, and Kalpana Yadav BSc. (Hons) Chemistry - 2nd year; Luxmi Anand and Shanvi pujari: 2nd year life science |
| SIP/24-25/04 | Chemistry | Dr. Pratibha Chaudhary, Dr. Rajni Johar | A NOVEL APPROACH TO MEDICINAL ORGANOMETALLIC CHEMISTRY | Sukreeti Singh, Tanu Sarkar, Shrishti Yadav, Nancy Jaiswal, Sneha Singh |
| SIP/24-25/05 | Chemistry | Dr. Navneet Kishore and Mr. Kamal Sharma | Management of Human Stress Using Medicinal Plants: A Literature Survey | Manishka Chaurasia , Purnima Kumari , Sanjana Rawat , Varsha Saini & Apoorva Raj |

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| SIP/24-25/06 | Chemistry | Dr. Durgesh Kumar, Dr, Ritu Gaba, Dr. Ankita Chaudhary | Computational Screening of Repurposed Drugs and Natural Compounds against Human Metapneumovirus (HMPV) | Swastika Joshi, Mehak Hooda, Lata Tiwary, Sneha Arya.; B.Sc. (H) Chemistry, 1st Year; Dorothi Bora, & Anshika: B.Sc. (P) Life Sciences, 2nd Year |
| SIP/24-25/07 | Chemistry | Dr Gazala Ruhi, Dr Hema Bhandari | Synthesis and Characterization of Magnetic Nano Carrier Functionalized Biochar as a Sustainable Bio Adsorbent | Pavani Sood, Bharti Mahajan, Garvita Singh, Chemistry Hons., 1st year; Garima Verma, Chemistry Hons. 2nd year |
| SIP/24-25/08 | Commerce | Dr. Shaifali and Dr. Suzanee Malhotra | AI in Mahakumbh 2025: Enhancing Organization, Management, and Advertising | Shruti Singh & Radhika : B.com. (hons.) (2nd year); Janhwi Jayswal: B.com. (prog.) (2nd year) |
| SIP/24-25/09 | Commerce | Mr. Ginmunlal Khongsai and Ms. Reena | Securing Tomorrow: Financial preparedness and retirement planning in the lives of working women | Deeksha Brala, Bcom(Hons) I year; Jyoti Mahato Bcom(hons) II year |
| SIP/24-25/10 | Computer Science | Ms. Rupali Ahuja, Ms. Shikha Sharma | A Deep Learning and Explainable AI-Driven Model for Real-Time Threat Detection | Suramya Lugani, Naina Sharma, Devyanshi Panigrahi, Mourya Raj, & Jaya yadav : B.sc. Physical Science with Computer Science, II Sem, |

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| SIP/24-25/11 | Computer Science | Dr Veena Ghuriani, Dr Jyotsna Talreja Wassan, Ms Rupali Ahuja, Ms Shikha Sharma | SMART-AQI: A Smart Campus Framework for Air Quality Monitoring and Prediction | Riddhima Pant, Anjali Singh, Aparajita Tiwari, Anjali: B.Sc. Physical Science with Computer Science, IV semester; Vedika Aggarwal : B.Sc.(Prog)Life Sciences, IV Semester; Harshita Uttam, Shruti Priya, Ushma Yadav, Sonali : B.A.(Prog.), VI Sem |
| SIP/24-25/12 | Computer Science | Rupali Ahuja | Explainable Counterfactual Insights for Managing Diabetes Mellitus | Aditi Rathore, Suranjali Gupta: BSc(prog)Physical science with Computer Science, First Year |
| SIP/24-25/13 | Computer Science | Dr. Shweta Sankhwar | Harnessing Machine Learning to Enhance the Prevention, Response, and Understanding of Violence Against Women | Ms. Shivani, B.A (Prog), Sem- VI; Mann Shukla, BSc (H) Mathematics |
| SIP/24-25/14 | Computer Science | Dr. Shikha Badhani | Peak a Room - Spot it, Grab it, Use it | Ms. Sonali Kumari, BA (P) 2 Sem |
| SIP/24-25/15 | Economics | Dr. Aastha Arora, Ms. Shubhra Suman | Assessing the Impact of Carbon Tariffs on Developed and Developing Economies | Anvesha Mishra, Drishti Sehgal, Ojasvi, Sakshi Chamoli : BA(Computer applications and Economics), |
| SIP/24-25/16 | Economics | Dr. Priti Mendiratta Arora and Dr. Astha Arora | Entrepreneurial Intentions of Female University Students: An Extension of the Theory of Planned Behavior | Hina Rajpoot, B.A. Prog. (Economics with Maths) 2nd Year |

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| SIP/24-25/17 | Economics | Mr. Arun Kumar | MISSION SHAKTI: A Step Towards Rural Women's Empowerment in Odisha | Diksha(Course, Gunncha Rathore: BA Program (Economics and Mathematics) & 2nd Year; Vidisha Mishra (Course: BA Program (Computer Applications and Economics) and 2nd Year |
| SIP/24-25/18 | Economics | Dr. Aastha Arora | The Hidden Costs of War: How Armed Conflicts Reshape Women's Lives and Development in India | Rimsha Sheikh, B.A(H) Economics, 3rd year |
| SIP/24-25/19 | English | Ms. Manisha Saluja | Contested Asceticism: Introspecting the figure of the 'Sadhu' in the Twentieth-Century Indian Novel. | Sangini, & Ankita: Course: B.A. (H). English Year: 2nd year |
| SIP/24-25/20 | English | Ms. Ruchi Sharma | Critical Realism and Irony in Suryakant Tripathi Nirala's Short Fiction | Ms Kalpi Devrani and Ms. Riya Garg, Hansika Arunima, BA (H) English, Semester IV |
| SIP/24-25/21 | English | Ms. Nupur Chawla | Narrativizing Naga History: Understanding the 'Everyday' in Select Fiction from Nagaland | Siyaa Gulati : BA (Hons.) in English, First Year; Arpita Padhi B.A. (Hons.) Political Science (II Year): Ashanya Khera B.A. Programme (English+Sociology), 2nd Year |
| SIP/24-25/22 | English | Manisha Saluja | Precarity and Orphanhood in "Hansel and Gretel" and "The Secret Garden" | Yamini, course - B.A. English (Hons), Year - 3rd year |
| SIP/24-25/23 | English | Ms. Krishangi Singh | Tracing the Evolving Representation of Violence Against Women in Hindi Cinema | Neha Sharma, Parnika Sanduja: B.A (H) English 2nd year |

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| SIP/24-25/24 | English | Ms. Shweta Singh | Meaning of Life as a lens of understanding Humanism and Modernization | Khushi Kumari, Priyanshi Choudhary: BA English (hons), 2nd yr |
| SIP/24-25/25 | English | Ms. Shweta Singh | Alienation and Existence: An analysis through the selected readings of world literature | Priyanshi Choudhary, Khushi Kumari: BA English hons, 2nd yr |
| SIP/24-25/26 | Environmental Science | Ms. Aditi Ahlawat | Two Decades of Urban Growth: A Geospatial Analysis of Land Use Change in Delhi. | Ms. Anushka Shukla, Ms. Ishana: B.A. Program (Political Science + Sociology) & 2nd Year |
| SIP/24-25/27 | Hindi | Dr. Anil kumar | संत कवियों की दृष्टि में स्त्री: कबीर, सूर और तुलसी का तुलनात्मक अध्ययन | Sakina, Laxmi : BA (H) hindi 2nd year |
| SIP/24-25/28 | Hindi | Dr. Anita Devi , Dr. Amita , Mr. Ankit Kumar Rai | हिंदी फिल्मों में सामाजिक समस्याओं का चित्रण (संदर्भ: वर्ष 2020 से लेकर 2024 तक की प्रमुख फिल्मों) | अंचल झा, हिमांशी चौहान, आकांक्षा वर्मा, छवि, प्रीति यादव, भूमि : बी.ए.(ऑनर्स)हिंदी, द्वितीय वर्ष, बी.ए. (ऑनर्स) हिंदी, द्वितीय वर्ष |
| SIP/24-25/29 | Hindi | Dr. Anita Devi , Mr. Ankit Kumar Rai | रमा शंकर निशेश के नाटकों में समाज बोध | प्रीति कुमारी, शिखा, नरगिस प्रवीण, कविता कुमारी: बी.ए.(ऑनर्स) हिन्दी तृतीय वर्ष |
| SIP/24-25/30 | Hindi | Dr. Sneh Lata | फणीश्वर नाथ रेणु की कहानियों पर बनी फ़िल्में तीसरी क़सम और पंचलाइट का वर्तमान ग्रामीण संदर्भों में तुलनात्मक अध्ययन | Muskan, Supriya Rawat: Course : Hindi (H) Second Year |
| SIP/24-25/31 | Hindi | Dr. Anita Devi, Dr Amita | प्रेमचंद की कहानियों के स्त्री पात्रों में स्वाधीनता की चेतना | निदा बानो, आशा चौहान, निशु कुमारी, विद्यावती : बी.ए.(ऑनर्स) हिंदी तृतीय वर्ष |

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| SIP/24-25/32 | हिन्दी | डॉ मीनू कुमारी और श्रीमती संजना खारी | सिनेमा के सामाजिक सरोकार: वर्तमान परिप्रेक्ष्य में | रुकसार, शालिनी, संगीता, : बी. ए. हिन्दी विशेष (तृतीय वर्ष); मोनिका, बी. ए. हिन्दी विशेष (द्वितीय वर्ष) |
| SIP/24-25/33 | History | Dr.Lalsanglen Haokip | Modern Art: Feminist Gaze And Gender Politics In Colonial India | Siya Saxena, Nandini Jha: BA History (H), 3rd year |
| SIP/24-25/34 | History | Dr. Diwakar Kumar Singh | "Gaya: Where Earth Meets the Divine – A Cultural Heritage Management Approach" | Jahnvi Nair, Mahima Kumari, Jahnvi Nair : Course- BA(H)History, 2nd year |
| SIP/24-25/35 | History | Ms. Priyanka Nirupam | Manusmriti and Women: A Historical Analysis of Gender Roles and Social Norms | Tisha Ujjainwal, BA Hons. History, 3rd year |
| SIP/24-25/36 | History | Dr. Mukta Raut Dey | Revisiting the Royal Women's Agency in Mughal Delhi: A Historical Analysis | Scientia, : BA(P) History + Political Science, 2nd year: Nafisha Khatoon: B.A. (Hons.) History, 2nd year |
| SIP/24-25/37 | History | Dr.diwakar kumar singh | Cultural heritage management of gaya,Bihar | Mahima kumari: History hons,2nd year |
| SIP/24-25/38 | Mathematics | Dr. Varsha Chauhan | Recent Developments in Algebraic Coding Theory and Emerging Research Challenges | Gaytri Singh Kushwaha, Anshika Chahal : B.Sc (H) Mathematics, Sem-6 |
| SIP/24-25/39 | Mathematics | Prof. Geetan Manchanda, Dr Simran Kaur | Tackling Data Sparsity in Recommender Systems Using Matrix Factorization Techniques | Anushka, Many Bhatt, Kashish Baisoya, Tulsi : (B.Sc. (H) Maths 4th Semester) |
| SIP/24-25/40 | Mathematics | Dr. Neetu Arneja, Dr. Nitin Sharma | Startup India: Strategy and Challenges | Charu, Deep shikha, Radhika rao, Parmeet kaur: Bsc (H) Mathematics, Semester 4 |

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| SIP/24-25/41 | Mathematics | Dr Simran Kaur, Ms Priyanka Sahni | The Mathematics of Stock Market Predictions | Maira Ahmad, D.Mahitha Rao,Kritika Bansal: B.Sc.(Hons) Maths 4th sem; Tavisha Srinivasan: BA (Hons) English 4th sem |
| SIP/24-25/42 | Mathematics | Monu Kumar | Inventory Theory | Nisha Kumari, Sakshi: B.Sc(H) Math, Semester -IV |
| SIP/24-25/43 | Mathematics | Ms. Rimpi | Optimizing Last Mile Delivery: Key to Efficiency and Sustainability of Urban Logistics | Jyotsna Nigam, Samiksha : Course: B.Sc. (H) Mathematics ,semester VI |
| SIP/24-25/44 | Mathematics, Sanskrit | Dr. Neelima Ohri, Dr. Pramod Kumar Singh | The Maths Behind the Maps: Navigating with Metric Spaces, Graph Theory and Ancient Insights | Tannu Sharma, Janhvi Sharma, Udit Anand : B.Sc. (Hons.) Mathematics; Mansi : B.A. (Hons.) Sanskrit |
| SIP/24-25/45 | Physical Education | Dr. Neha Baghel | GENDER DIFFERENCES IN PERCEIVED STRESS AMONG UNIVERSITY OF DELHI UNDERGRADUATES: A COMPARATIVE STUDY | Nisha : BA(H) political science 3rd year |
| SIP/24-25/46 | Physical Education | Dr. Neha Baghel | Gender Differences in Performance Failure Appraisal Among University of Delhi Undergraduates: A Comparative Study Using the PFAI | Prapti Jain : B.A.(H) Sociology, 3rd Yr. |

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| SIP/24-25/47 | Physical Education | Dr. Neha Baghel | GENDER DIFFERENCES IN GENERALIZED ANXIETY DISORDER AMONG UNIVERSITY OF DELHI UNDERGRADUATES: A COMPARATIVE STUDY | Haobam Roshni : BA (hons) Political science |
| SIP/24-25/48 | Physics | Dr. Vasudha Agarwal | Synthesis and Characterization of Magnetic Nanoparticles | Sudha, Sejal : B.Sc (H) Physics II Yr |
| SIP/24-25/49 | Physics | Prof. Ritu Dhingra, Dr. Prajwalit Shikha, Dr. Savvi Mishra | BH1750-Enabled Photometric Monitoring Device for Smart Homes, Public Infrastructure and Defense Applications | Kashish Mishra, Saniya : B.Sc. (Hons.) Physics, 3rd Year; Sobhagya Sharma, Yadav Anjali Adyaprasad, Anshul, RUPAL NANDINI SRIVASTAVA : B.Sc. (Hons.) Physics, 1st Year |
| SIP/24-25/50 | Physics | Dr Mansi Dhingra, Dr Parul yadav, Prof Shalini Lumb Talwar | Theoretical modelling of a Three-Layer Fiber Optic Sensor Based on MoS ₂ Coating Utilizing Surface Plasmon Resonance | Abhijna, Divya, Dev Prabha, Laxmi, Palak, Tannu : Bsc.(H) Physics 1st year |
| SIP/24-25/51 | Political Science | Ms. Nikita Audichya | Digital governance and urban security in India: A case study of the Delhi NCR region | Vaani Rai, Arunima Singh, Mishty Kaushik : B.A. (H) Political Science |
| SIP/24-25/52 | Political Science | Dr Uma Nabhi | Reclaiming Kautilya's Mandala Theory: A Strategic Framework for Contemporary India | Ananya Sharma : BA Honors Political Science, 2nd Year; Pragya Jain : BA Honours Political Science, 1st Year |

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| SIP/24-25/53 | POLITICAL SCIENCE | Dr Minati Kalo | Assessing the Implementation of Right to Education Act (Article 21 A): A Ground-Level Analysis of Government Schools in Delhi | Unitika Rani : B.A. PROGRAMME (History+Political Science) Year: 03, VI semester; Baby: B.A. PROGRAMME (Political Science+Sociology) Year: 03, VI Semester |
| SIP/24-25/54 | Political Science | Dr. Pooja Gopal | Epistemic Erasure and Feminist Resistance: the Marginalisation of Dalit Women in Indian Legal and Social Discourses | Reeba Khan & Jemima Shafi: B.A. (H) Political Science |
| SIP/24-25/55 | Political Science | Dr. Anjali Yogi | Terrorism : A Factor in the Foreign Policy of India in South Asia | Falguni dubey : BA programme (political science + history) 2nd year; Lavisha: BA program, 2nd year |
| SIP/24-25/56 | Political Science | Dr. Kanchan | Politics of modernity and reason: A philosophical Intervention | Komal: B.A Hons. Political Science, 3rd year; Keerti : B.A hons.Political Science, 3rd year |
| SIP/24-25/57 | Political Science | Ms. Nikita Audichya | TITLE :- "BUILDING CITIES, BREAKING BARRIERS : WOMEN IN ALWAR'S UNORGANISED CONSTRUCTION WORKFORCE" | Himani Dhingani, Taniya : B.A. Political science hons 2nd Year |
| SIP/24-25/58 | Sanskrit | Dr. Hemlata Rani | औषधीय महत्त्व की दृष्टि से मानव जीवन में विभिन्न वृक्ष-वनस्पतियों की उपयोगिता | Janhvi, Jyoti, Sandhya, Nisha, Ameesha : B.A Sanskrit (H) 2 year |
| SIP/24-25/59 | Sanskrit | Dr. Sushil Kumari | श्रीमद्भगवद्गीता का महत्त्व एवं ज्ञानयोग व कर्मयोग (Importance of Srimad Bhagavad Gita and Gyan Yoga and Karma Yoga) | Surabhi & Sadhana: BA, Hons. 2nd Year |

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| SIP/24-25/60 | Sanskrit | Dr. Rekha Kumari | सावित्री कथा में स्त्री-शक्ति और चातुर्य का चित्रण: महाभारत के परिप्रेक्ष्य में | Preeti Pandey, Hani Sriwastava : B.A (H) 2nd Year Sanskrit |
| SIP/24-25/61 | Sanskrit | Dr.Pramod Kumar Singh , Dr.Dharmender Kumar | Sanskrit and Emotional Intelligence: A Stress Management Approach | Sneha Pandey, Shilpi Kumari : B.A.(Hons)Sanskrit 1st year |
| SIP/24-25/62 | Sociology | Dr Mridusmita Singh | SHIFTING SHORES: A Sociological study of Occupational Mobilization of the 'Mallah' community in Kashi | Drishty Yadav, Swadha Tiwari : BA (P) 2nd year |
| SIP/24-25/63 | Sociology | Ms Mridusmita Singh | Bridging the Gap: The Role of Art of Living Practices in Reducing Social Exclusion Among University Students | Vanshla, Nisha kanwar : B.A(P) 2ND YEAR |
| SIP/24-25/64 | Sociology | Mr. Pawan S. Harsana | Health literacy and health disparities in India | Ragini Bhati : BA (H) Political Science, 2nd year |
| SIP/24-25/65 | Sociology | Dr.Babita Chaudhary | Exploring the Lived Experiences of Single Mothers: A Qualitative Study of Challenges and Coping Strategies. | kirti Yadav and khushi : BA(H)Political Science, 1st Year |

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| SIP/24-25/66 | Sociology | Dr.Bijayani Mishra | Privilege and Marginality: Intersecting Inequalities in Delhi's Top Institutions | Sakshi Mishra & Saniha Kiran : BA,Prog, Second Year |
| SIP/24-25/67 | Zoology | Dr. Shilpa Bharti / Dr. Jaspreet Kaur | Investigating Plant Root and Soil Nematodes of Maitreyi College Campus: Diversity and Behavioral Studies Using Wet Lab Techniques and In-Silico Analysis | Shreyanshee Vaidya, Manya Sharma, : B.Sc. (H) Zoology 2nd year ; Medhavi , Nandini Bhattacharya: B.Sc. (H) Zoology 3rd year ; Shivani : B.Sc. (P) Life Science 2nd yr; Muskan, Pragya Singh: B.Sc.(P) Life Science 3rd year |
| SIP/24-25/68 | Zoology | Dr. Jaspreet Kaur; Dr. Mamta Pandey; Dr. Karuna Yadav | Collection and Preservation of Terrestrial insects from Maitreyi College Campus, University of Delhi | Shreyanshee Vaidya : B.Sc. (Hons) Zoology 2nd Year; Ridhi, Ananya Gautam, Ishika Sharma, Payal Yadav, Parinita Kaushik : B.Sc. Life Sciences Year: 2nd Year |
| SIP/24-25/69 | Zoology | Lt. (Dr.) Archana Aggarwal, Dr. Rakhi Gupta | To standardize the culture of Paramecium using different culture media under laboratory conditions | Hunny Sehwat: B.Sc. Life Sciences (II); Naziya, Kriti Nayak, Shivangi Yadav, Shreyanshee Vaidya, Srishti Patiyal: B.Sc. (H) Zoology (II) |
| SIP/24-25/70 | Zoology | Prof. Meena Yadav | Study of coccinellidae Diversity at Maitreyi College and Urban Greens around it | Antima Singh, Preeti Kumari, and Pooja Kumari: Bsc Hons Zoology, 2nd year |
| SIP/24-25/71 | Zoology | Prof. Meena Yadav | Revisiting Lactational Amenorrhea: A Study Among Nursing Women in Urban India: Delhi-NCR | Name: Fauzia Momin, Course: BSc Life Sciences, 3rd year |

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| SIP/24-25/72 | Zoology | Prof. Meena Yadav | Study on impact of lifestyle on reproductive health of college going students residing in hostels and PGs in Delhi-NCR | Khushi Kumari, Harmandeep Kaur, Anushka tripathi: B.Sc.(H) Zoology 3rd year |
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S/d
Prof. Haritma Chopra
Coordinator, CFR &
Principal, Maitreyi College