



# MAITREYI COLLEGE

(UNIVERSITY OF DELHI)

BAPU DHAM COMPLEX,  
CHANAKYAPURI,  
NEW DELHI-110021

## Centre for Research

Maitreyi College, University of Delhi  
Chanakyapuri, New Delhi- 110021

### Summer Internship Programme 2022-23

**Revised Timeline: June 1 – July 31, 2023**  
**Detailed project report to be submitted by August 7, 2023**

### List of Selected Project Proposals for SIP2022-23

S. No.	Code	Title of Project	Department	Mentor	Mentees
1	SIP22-23/01	Effects of polluted Hindon river water on Phytochemical Traits in Ocimum species	Botany	Dr AnkitaSehrawat, Dr PoojaBawej a	Archana B.Sc. (H) Botany, 2nd Yr , PrachiPanwar B.Sc. (H) Botany, 2nd Yr, Preeti B.Sc. Life Sciences, 2nd yr, Kanika Joshi Roll no Course: B.Sc Life Sciences, 2nd yr
2	SIP22-23/02	Pharmacovigilant Analysis And Comparison Between Ayurveda, Siddha, Homeopathy And Self-Made Polyherbal Formulations And Repurposing Them For Disease Management	Botany	Dr. Sandeepa Singh, Dr. MansiGogna	JoyeetaMondal, B.Sc. Botany (Hons.), 2nd year, Deepti, B.Sc. Botany (Hons.), 2nd year, AakangkshaGoswami, B.Sc. Botany (Hons.), 1st year, NikhitaAwasthi, B.Sc. Botany (Hons.), 1st year
3	SIP22-23/03	In- Vitro Assessment Of Antibacterial Activity In Solvent Extracts Of Leaves From Selected Plants	Botany	Dr. Sandeepa Singh, Dr.Vandana Mourya	Nishi B.Sc. (H) Botany (2nd Year) Bedika B.Sc. (H) Botany (2nd Year), Niharika Singh B.Sc. Life Science (2nd Year), Monika B.Sc. Life Science (2nd Year)
4	SIP22-23/04	Copigmentation-based enhancement of stability of Anthocyanin isolates from selected flowering plants	Botany	Dr Monika Heikrujam, Dr ManisGogna, Dr Rama Sisodia	KaveriChoudhary, Course: B.Sc Life Sciences 2nd year, Course: B.Sc Life Sciences 3rd year .UrvashiSehrawat Course: B.ScLife Sciences 2nd year NiveditaRai Course: B.Sc Life Sciences 2nd year Jyotsna Mishra Course: B.Sc Life Sciences 2nd year Monika

					Course: B.Sc Life Sciences 2nd year
5	SIP22-23/05	Exploring spatial variation in chemical composition of selected medicinal plants	<b>Botany</b>	Dr Shweta Sharma; Dr Rama Sisodia	Ms. Sana Ahmad, B. Sc. Life Sciences II Yr, Ms. Dishita Jain, B. Sc. Life Sciences II Yr, Ms. Anushika, B. Sc. Life Sciences II Yr, Ms. SoniJakhmola, B. Sc. Life Sciences II Yr
6	SIP22-23/06	Target Identification, Docking Studies, and Pharmacokinetic Evaluation of Ayurvedic Compounds	<b>Chemistry</b>	Dr. RituGaba; Dr.Ankita Chaudhary; Dr.Anshika Mittal	Nyasha Malik (B.Sc.(Hons.) Chemistry, II year, SnehaKohli (B.Sc.(Hons.) Chemistry, II year, Aleena Shakreen (B.Sc.(Hons.) Chemistry, II year, Taniya Patwal Course: B. Sc. (H) Chemistry, I year IshitaBhadana Course: B.Sc. (H) Chemistry, I y PrakritiGusain Course: B.Sc. (H) Chemistry, I year
7	SIP22-23/07	Tracing The Evolution Of Msme Sector In India	<b>Commerce</b>	Ms. ApurvaSetia	AarushiAnandBComhons - 2nd year KhushiGabaBComhons - 2nd year
8	SIP22-23/08	The global injustice of Fast Fashion	<b>Commerce</b>	Ms. ApurvaSetia	Shrreya Dutta, B.com( H) 2nd year, Ashlyn Dhingra B.Com(hons) -2nd Year
9	SIP22-23/09	Reviewing the Relevance of Influencer Marketing in the Food and Beverage Industry for Indian Generation Z Consumer	<b>Commerce</b>	Dr. Jyotsna and Ms. Karishma Arora	PriyamvadaRajpal, B.ComHons, VanshikaDutt, B.Com Hons, 2nd Year, RadhikkaBajpai , BcomHons. 2nd year, Aakanksha Agarwal, BComhons, 2nd year
10	SIP22-23/10	Emerging Technologies and Creator Economy: A new linkage for Creative and Sustainable Growth Solutions	<b>Computer Science</b>	Dr. VeenaGhuri ani, Dr.JyotsnaT alrejaWassan	E Harshitha, BA(P) VI Sem, PalakPahwa, BA(P) VI Sem, Sneha Srivastava, Bsc(P) I Sem, Janhvi Sharma, BSc (H) I Sem
11	SIP22-23/11	DeFi: Challenges, Opportunities and Risk Analysis of Adoption of Decentralized Finance Application	<b>Computer Science</b>	Ms. Rupali Ahuja	1) JanhaviKhandelwal B.A (P) 2nd yr, Ms Anjali B.A (P) 2nd yr
12	SIP22-23/12	WEB 3.0: TRANSFORMING INTERACTIONS ON THE WEB	<b>Computer Science</b>	Ms. Rupali Ahuja	1) Riddhi Mehta, B.A Programme(Computer Applications + Mathematics) II year, MuskaanDhingra, B.A Programme(Computer Applications + Mathematics) II year
13	SIP22-23/13	Know What They Say : An AI based Communication Bridge Between Deaf and Hearing	<b>Computer Science</b>	Dr. Manju Bhardwaj and Dr. Shweta Sankhwar	Vishwa Bharti , Anchal Yadav, Annu, Nishi Thakur B.Sc. (Prog) Physical Sciences with Computer Sciences Year : 2nd year

14	SIP22-23/14	Reinforcement learning in Robotics: A comprehensive study	<b>Computer Science</b>	Dr Manju Bhardwaj	Aaditri, BscPhySc with Comp Sc 2nd Year, Bhavya Singh, BSc PhySc with Comp Sc 2nd year
15	SIP22-23/15	Can Nash Equilibrium be used to move towards the social change of Global Peace?	<b>Economics</b>	Ms. N. SHRADHA VARMA	NimeeshaPatidar BA Honours Economics Second Year Anshika Chaudhary BA Programme (Economics+Computer Applications) Second Year
16	SIP22-23/16	बदलते सामाजिक परिवेश में वयोवृद्ध वर्ग	<b>Hindi</b>	Dr. Anita Devi	नेहा कुमारी (बी. ए. हिंदी विशेष, द्वितीय वर्ष) साक्षीत्रिवेदी (बी. ए. हिंदी विशेष, द्वितीय वर्ष) नुपुर जोरसिया (बी. ए. हिंदी विशेष, द्वितीय वर्ष) निशा कुमारी (बी. ए. हिंदी विशेष, द्वितीय वर्ष)
17	SIP22-23/17	सामाजिक बदलाव में फिल्मों का योगदान"	<b>Hindi</b>	Dr. Anita Devi and Dr. Ranjeet Yadav	प्रतिमा मौर्या (हिंदी विशेष, द्वितीय वर्ष) दिशा सिंह (हिंदी विशेष, द्वितीय वर्ष) कृतिका मिश्रा (हिंदी विशेष, द्वितीय वर्ष) प्रगति कुमारी (हिंदी विशेष, द्वितीय वर्ष)
18	SIP22-23/18	AI WARS : Google and ChatGPT in a Battle for Predominance	<b>Mathematics</b>	Ms. Rajnigupta and Dr.Pawan Kumar	NiveditaPanwar (BSc. Mathematics(H), II year, Aakanksha (BSc. Mathematics(H), II year, Akshita Singh (BSc. Mathematics(H), II year, Muskan (BSc. Mathematics(H), II year
19	SIP22-23/19	Research Proposal: The potential of technological innovations, AI & Machine learning in social transformation	<b>Mathematics</b>	Dr. NeetuArnej a / Mr. Saurav Kumar	Niharika Pandey, B.Sc.(H) Mathematics, 2nd year, SiyaDahiya, B.Sc.(H) Maths, 2nd year, Sejal Gupta, B.Sc.(H) Maths, 2nd year, AnshikaMorya, B.Sc.(H) Maths, 2nd year
20	SIP22-23/20	Thin films as an electrical transducer for an Arduino based electrochemical sensor	<b>Physics</b>	Dr. MansiDhingra, Dr.Parul Yadav, Dr. Shalini Lumb Talwar	VaishaliBagauli B. Sc. (H) Physics III year Bhavna B. Sc. (H) Physics III year RiaGoel B. Sc. (H) Physics III year SharanyaRenjit B. Sc. (H) Physics III year , PranshiMathur B. Sc. (H) Physics III year , SoumyaBajpai B. Sc. (H) Physics II year
21	SIP22-23/21	Soil Resistivity Test for Green Field Applications	<b>Physics</b>	Dr PrajwalitShikha, Dr PoonamJuneja	Saniya, Karina Kashish Mishra NeelakshiLakra [All from B.Sc.(H) Physics I Year]
22	SIP22-23/22	Development of Women through Local government in rural area	<b>Political Science</b>	Dr MinatiKalo	Kaukab, B.A Hons Political Science, 2nd year

		of District Saharanpur (Uttar Pradesh)			
23	SIP22 -23/23	Lok Munch toh Adhunik Punjabi Rangmanch di Yatra	<b>Punjabi</b>	Dr. Harmeet Kaur, Dr. Sarika Sharma	Bipasha, ( 2nd yr, B.A (P), Divya Gupta ( 2nd yr, B.A (P)
24	SIP22 -23/24	षड्भूतचर्याकावैज्ञानिक मह त्व	<b>Sanskrit</b>	Dr. Sushil K umari , Dr. Rekha K umari	Anjali Tanwar Shivani Kumari Ruchi Pinki BA Sanskrit Hons. , 3rd year
25	SIP22 -23/25	Ovicidal and oviposition deterrent activity of Carica papaya leaf extract against dengue vector, Aedes aegypti	<b>Zoology</b>	Dr. A. Vineetha, Dr. Tejendra Kumar	Shristi Singh, B.Sc. (Hons.) Zoology, Suryanshi Anand, B.Sc. (Hons.) Zoology Jael Alma Chemjong B.Sc. (Hons.) Zoology
26	SIP22 -23/26	Premenstrual Syndrome: Awareness and role of physical activities	<b>Zoology</b>	Dr. Archana Aggarwal, Dr. Rakhi Gupta	Suryanshi Anand, B. Sc. (hons) Zoology IInd Year, Arya Singh, B. Sc. (hons) Zoology IInd Year, Anvi Kaushik, B. Sc. Life Sciences IInd year, Ishani, B.Sc Life Sciences IInd year
27	SIP22 -23/27	Optimization of shape and size of ZnO nanoparticles for improved antibacterial properties	<b>Interdisciplin ary</b>	Dr Parul Yadav, Dr Mansi Dhing ra, Dr Ritu Dhingra , Dr Gazala Ruhi	Vaishali Sharma Aditi Pandey Urvashi Sangrola Sweta Singh Purnima B.Sc (H) Physics IIIrd Year), Simran pandeyaditi434@gmail.com (B.Sc (H) Physics IInd Year
28	SIP22 -23/28	Treatment of Laboratory Waste With Bio- Substitutes	<b>Interdisciplin ary</b>	Dr. Gita Batra Narula , Dr. Kiran So ni, Dr. Swarnde ep Kaur Sethi, Dr. Ritu Dhi ngra	Alka Shukla* Divyanshi Upadhyay* Nisha Sharma* Pritam* Suhavanisingh* *B.Sc. Hons. (Chemistry) II year Amanjot*, Jeu Mishr** **B.Sc. Hons. (Physics) II year
29	SIP22 -23/29	Sustainable treatment of textile wastewater using Constructed Wetland - Microbial Fuel Cells	<b>Interdisciplin ary</b>	Ms. Archana and Dr. Pooja Ba weja	Neha Singh Year: 2nd Course: Botany Hons. Prachi Bhandari Year: 2nd Course: Botany Hons. Raksha Year: 1st Life Sciences Kashish Singh Year: 1st BSc life sciences

*Haritma*

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