

Maitreyi College

Centre for Research

List of Recommended Project proposals for Summer Internship, 2020

The following project proposals have been selected for the Summer Internship Programme, 2020. The duration of the projects would be one month i.e. May 20, 2020 to June 20, 2020. The project reports must be submitted on or before June 25, 2020, the guidelines for which would be shared in due course of time.

S.No.	DEPT		Title of Project	Mentor/s	Student/s
I	Botany	1	A review analysis on COVID-19 virus, its symptom and the role of Chloroquine and hydroxychloroquine in fighting the COVID-19 pandemic.	Dr Monika Heikrujam	Aanandita Bhagat, Jahnvi Tarun (LS 2nd yr)
		2	PROBABLE STRATEGIES TO COMBAT CORONA PANDEMIC BY TRACING ITS RE-EMERGENCE FROM SARS VIRUS	Dr Sarita Kumari	Nikita Goel; Ritika (Bot Hons)
		3	ASSESSMENT OF CHANGES IN AIR QUALITY INDEX AFTER LOCKDOWN DUE TO COVID-19	Dr Pooja Baweja	Nisha Poddar and Sakshi Suman (Botany Hons 2nd year)
		4	Study of plants capable of suppressing viral diseases caused to humans in past and in present (Covid-19) using computational tools.	Dr. P. Kavita and Dr. Anamika Singh	Aayushi Gupta and Jaismeen (Botany Hons 2nd yr); Shalu Sharma and Vishakha (LS 2nd yr)
		5	“Ayurveda: Boosting immunity as a remedy towards COVID-19- A statistical analysis”	Divya Singh	Prapti Upadhyay and Niyati (LS 2nd yr)
		6	“Transformation of life with COVID 19: Pandemic Impact and Strategies for Science, Education and Healthcare in India”	Dr Sandeepa Singh	Avantika Pathak and Bandana Yadav (Botany Hons 2nd yr)

		7	Review of therapeutic potential of Plant Secondary metabolites in treatment of respiratory viral diseases	Dr Rama Sisodia and Dr Shweta Sharma	Simran Sharma, Asmita Pandey, Sakshi Singh & Aparna Rai (LS 2nd yr)
II	Chemistry	8	An Overview on Coronavirus disease (COVID 19) Pandemic – Environmental and Climatic Changes during Nationwide Lockdown	Dr Ramesh Kumari	Sapna and Parushni Singh (LS 2nd yr); Sakshi, (PS 2nd yr)
		9	“Phytochemical Analysis of Selected Indian Medicinal Plants to Know the Antiviral Potential Against Novel Coronavirus”	Dr Ramesh Kumari, Dr Navneet Kishore and Dr Kiran Soni	Shreya, Riya Nimbekar, Sakshi, Rupa, Kajal, Sakshi Maan and Diksha (Chem Hons. 2nd yr)
		10	“Bringing the Chemistry Laboratory to your home: Synthesis and use of bioenzyme as an effective disinfectant at home”	Dr. Swarndeep Kaur Sethi, Dr. Gita Batra Narula and Dr Kiran Soni	Ayesha Rahman, Priyansha Jain, Himanshi Chaudhary, Anjali Sharma & Versha Chaudhary (Chem Hons 2nd yr)
		11	“Computational study of Homo Chirality and Hererochirality of Amino Acids in biological system”	Dr. Kiran Soni, Dr Gita Batra Narula and Dr Shivalika	Nishita, Aditi Govind Singh, Khushboo and Kajal Chem Hons 2nd yr)
		12	Nanoscale Perspective of Viruses	Dr Gazala Ruhi & Dr Hema Bhandari	Stuti Dureja, Aditi Singh, Muskan Bansal, Sakshi Sharma, Harshita Sharma (Chem Hons 2nd yr)
		13	AYURVEDA- Pragmatic Plan against COVID-19	Dr Geetika Bhasin & Dr Ramesh Kumari	Leesha, Pramita, Shraddha Bhatla, Meeshika & Nitika (Chem Hons 1st yr)
III	Commerce	14	COVID-19 and its implication on Education System	Ms. Kritika Khurana and Mrs. Nirmala Chauhan	Vidhi Garg and Ishita Singhal (B.com (H) 2nd yr)
		15	Impact of COVID-19 on consumer behavior	Mrs Madhu Jain and Anshi Goel	Sneha Singh, Bcom (Ist year)
		16	The COVID-19 crisis: A case for Universal Basic Income	Dr. Prachi Bagla and Ms. Apurva Setia	Ishika Goel and Sana Shamsi (Bcom Hons 2nd yr)
		17	How has COVID-19 impacted globalisation and work culture in offices? A study of India.	Laxmi	Pranjali Agarwal; BA 3rd year
IV	Computers	18	Developing a Shopping Website/App for College	Dr Manju Bhardwaj and Ms Shikha Badhani	Tanya Dhingra, Kavita Sharma, Unnati Sharma (PS 2nd yr) and Sneha

					Gupta (PS 1st yr)
		19	Exploring Data Science to Study Viral Pandemic of COVID-19 in 2020 (EDSSVC-2020)	Dr. Veena Ghuriani and Dr. Jyotsna Wassan	Aastha Moolchandani, Deena Shakeel Khan, Muskan Verma & Shivani Mehta (PS with comp 1st yr)
		20	Integrating e-resources with college website	Dr Veena Ghuriani and Ms Rupali Ahuja	Ojassvi Nagpal (B.Com 1st yr), Niyati, Shubhi Sharma (LS 2nd yr) & Kavita Choudary (Bot Hons 3rd yr)
V	Economics	21	A comparative study on the economical effects of Spanish Influenza and Covid-19	Ms Nidhi Chand	Aishwrya S Shastri (BA Prog)
		22	ECONOMICS OF FOOD DURING PANDEMIC	Artika Vats and Antima Jain	Astha Mukherjee, Gopika Venugopal, Mahak Kohli and Medhawi Rajgaria
		23	IMPACT OF COVID-19 ON LABOUR MIGRATION IN INDIA	Dr Saroj Rani	PRATISHTHA SINGH & Garima (BA 2nd yr)
		24	The Impact of Corona Virus Pandemic on the Exchange Rate of Indian Rupee	Dr.Priti Mendiratta Arora	Sneha Agarwal, Vaiahnavi Sah & Parul Varma (BA Hons Economics)
		25	Crime in the time of COVID-19	Dr. Priti Mendiratta Arora	Ruchika Rao & Sanskriti Agrawal (Econ Hons 2nd yr)
VI	English	26	Wounds of the Mind: The Trauma of Pandemics in Twentieth Century Literary Narratives	Dr M Tianla	Maumil Mehraj
		27	Back Inside the <i>Lakshman Rekha</i> : Impact of COVID-19 Lockdown on Working Women	Ms Richa Chilana	Palak Purwar and Alfisha Sabri; English Hons 2nd year
		28	Mental health in the time of COVID-19: An analysis of the impact of a pandemic on one's mental health and the role literature and art plays around it.	Mrs Manisha Saluja	Aakriti Agarwala; Eng Hons 2nd year
VII	Hindi	29	COVID-19: Takniki Hindi vigyapan par prabhav evam badlav	Mamta Dhawan	Garima Gautam and Monika Saini

VIII	Mathe matics	30	Mathematical analysis on COVID-19	Mr Pawan Kumar	Bhumika Papnai (Maths Hons 1st year), Aadi Lochab (Maths Hons 1st year), Nikita (Maths Hons 2nd year), Simran Goyal (Maths Hons 3rd year)
		31	COVID-19: Pandemic scare in the National Capital of India	Dr Archana Paradkar and Dr Neetu Arneja	Vaishnav Panwar, Abantika Puhan and Yamini Yadav (Maths Hons 2nd year)
		32	Mathematical predictions for COVID-19 as a global pandemic	Mr Pawan Kumar	Priya yadav, Priyanka sharma, Khushi singh & Babita mehra (PS with comp, 2nd yr), (PS with Comp 2nd yr),
IX	Physics	33	Coronavirus Pandemic: The setbacks to the physics community and its contribution towards the cause	Dr Swapna Ray Jain and Dr Neha Gupta	Muskaan Verma, BSc PS with CS (1st year)
		34	Quantum computing for fast diagnosis and cure of COVID- 19 and other diseases	Dr. Mansi Dhingra, Dr. Parul Yadav,	Divya Singh, Vishakha Dwiwedi, Preeti Sharma, Muskan Namdev
		35	Role of Electromagnetic waves in detection and prevention of spread of COVID-19 and other virulent infections	Dr. Shalini Lumb Talwar and Dr. Swapana Ray Jain	Komal, Anupriya, Varnika Chaudhary, Shubhangi Tiwari (Physics Hons 2nd yr)
		36	COVID-19: CURSE OR BLESSING	Dr Vasudha Agarwal	Gunjan and Sneha (Physics Hons 2nd yr)
		37	THE NATURE'S SOS: COVID-19	Dr Ritu Dhingra	SADAF, ANJALI, SARYU, PRIYANKA (Phy Hons 2nd yr)
		38	India emerging as a world leader in tackling Covid 19	Dr Ritu Dhingra	Vani Tiwari, Shrunya Chauhan, Mani Bhardwaj (phy hons 2nd yr)
		39	A Detailed Study of Covid'19 Scanning and Tracking Devices	Dr Prajwalit Shikha	Sonam and Komal Kumari Meena (Phy Hons 2nd yr)
		40	Physics Based Tools in a fight against Covid-19	Dr Poonam Juneja and Dr Prajwalit Shikha	Neha Dhingra & Neha eswal (Phy Hons 1st yr); Tanya Dhingra, & Kavita Sharma (PS with comp 2nd yr)
		41	Physics in the time of Covid - 19	Dr. Savvi Mishra,	Ms. Smile Gandhi, Ms. Shivangi Dubey
		42	An approach to detect 'Covid- 19' through Artificial Intelligence	Dr Neelam singh	Ms. Smridhi Chawla and Ms. BhumikaChawla (Phy

					Hons 3rd yr)
X	Political Science	43	MARGINALISED POPULATION & POLICY RESPONSES OF 6 INDIAN STATES AMIDST COVID-19: A COMPARATIVE ANALYSIS	Uma Nabhi	BERY SARMA & LAVANYA TOPA
		44	COVID-19 AND THE CHALLENGES TO THE INDIAN FEDERAL STRUCTURE: AN ANALYTICAL REVIEW	Dr Simi Mehta	Sakshi (Pol Sci 2nd yr)
XI	Punjabi	45	Kel karede hanjh no achinte baj pae	Dr. Surinder Kaur Malhotra & Dr. Manisha Batra	Shagun Sharma, BA (P) 3rd yr
XII	Sociology	46	:The Sociological Study of Mental Health of Students during COVID 19 Pandemic	Dr Rashi Bhargava	Nayana, Prathyusha, Samiksha, Shipra and Vani (Sociology Hons 2nd yr)
		47	Living on the Margins: An interpretative study of Sanitation Workers amidst COVID-19	Mr Pawan Harsana & Ms Sana Khan	Anmol Chugh, Nikita Sarma and Anjali Bisht (BA Hons 2nd yr)
		48	Modernization and Pandemics: A study of COVID-19 and the Spanish Flu	Ms Sana Khan and Mr Pawan Harsana	Rhea Kad (Socio Hons. 2nd yr), Atiriya Sharma, Ananya Aniruddh, Sanghita Hazarika (Socio Hons 1st yr)
XIII	Zoology	49	COVID-19 pandemic: Psychological and behavioural impacts on people	Dr Meena Yadav	Ritika Kalra and Lavanya Ranjan Zoo Hons 2nd yr
		50	Diet preferences and susceptibility to animal-borne infectious diseases.	Dr. Rakhi Gupta, Dr. Archana Aggarwal	Shreya Rawat, Kamakshi Upreti, Radhika Kumari, Padmaakkshi Chakravartty, Anushka Kukreti, Bhumika Tiwari (BSc Life Science 1st year)
		51	COVID-19 and Comorbidities	Dr. Luni and Tejendra Kumar	Ishita Kalshyan, Disha, (B.Sc Zoology Hons II yr); Neha Chhillar, Rupika Gaba (B.Sc Life Sciences 1st yr)

		52	Comparative genomic and phylogenetic analysis of spike and nucleocapsid proteins of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and 9 other taxonomically related coronaviruses using in-silico tools	Dr. Jaspreet Kaur	Shubhangi Sharma and Srishti; Zoology Hons 2nd yr
		53	Covid-19 Lockdown and Pedagogy	Dr Renu Gupta, Dr Archana Aggarwal	Annu Kumari, Drushti Sable, Anamika Sharma, Preena, Rishika Maji (Zoology Hons 2nd yr)
		54	Covid 19 and Herbal Remedies: Perception and Self-Use	Dr Shilpa Bharti	Muskan Bhardwaj & Mreenalini Singh (Life Science 2nd yr)

Mentors and mentees are advised to refer to only peer-reviewed journals. The journals can be accessed at nlist@inlibnet.ac.in. Most of you already have the username for the same (same as your email id). In case you are unable to access it, you can contact librarian@maitreyi.du.ac.in for username.

Sd/-

Dr. Haritma Chopra

Officiating Principal