

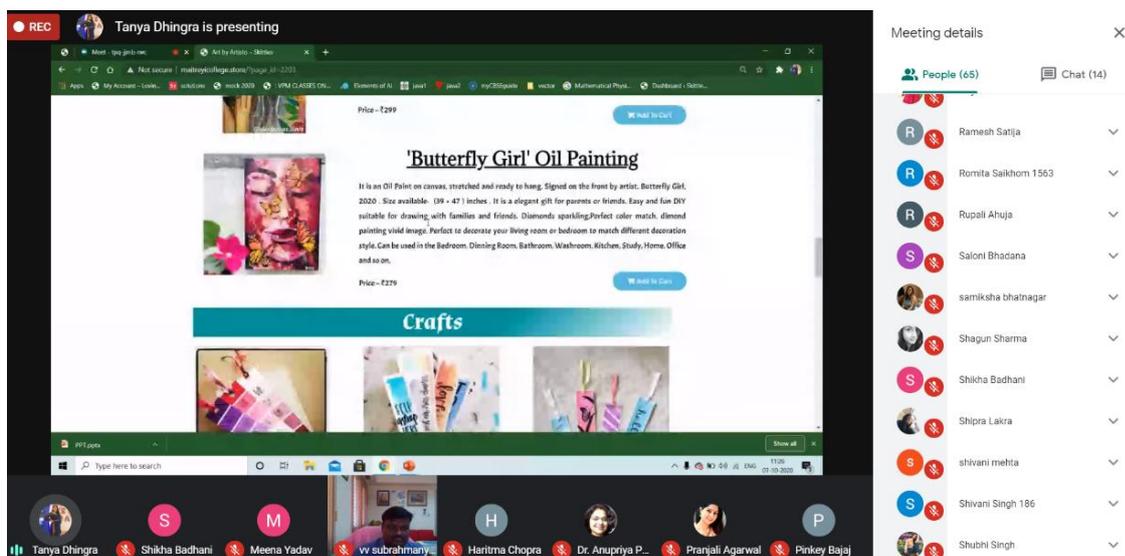
# Centre for Research

## Maitreyi College, University of Delhi

### SUMMER INTERNSHIP PROGRAMME, 2019-20

The year 2020 started and continued just like any other academic year with classes in full swing since January, 2020. However, by March, 2020, the entire world was gripped by COVID-19 pandemic. With the classes switching to online mode during this period, the zeal to do research while struggling with the pandemic and lockdowns did not fizzle away faculty and students alike. This was evident from the whopping **52 projects** that were carried out under the Summer Internship Programme, 2020 from **May 20 to July 20, 2020**. All the projects were carried out in the **online mode**. A total of **66 faculty members** and **155 students** were engaged in these projects. As has been our practice, all the project reports were evaluated by external reviewers. Based on the review, selected projects were presented before external jury members on **October 7, 9 and 10, 2020**. The projects were presented in online mode and the projects titled '**The COVID-19 crisis: A case for Universal Basic Income**', '**The Sociological Study of Mental Health of Students during COVID 19 Pandemic**' and '**COVID-19 and Comorbidities**' were judged the best projects for the respective days.

### *Glimpse of the Presentations of the Summer Internship Projects 2019-20*



The image shows a Zoom meeting interface. The main window displays a presentation slide titled "'Butterfly Girl' Oil Painting". The slide includes a price of ₹299, a description of the artwork, and a section for 'Crafts' with images of various art supplies. The meeting details panel on the right lists 65 people and 14 chat messages. The participants listed are: Ramesh Satija, Romita Saikhom 1563, Rupali Ahuja, Saloni Bhadana, samiksha bhainagar, Shagun Sharma, Shikha Badhani, Shipra Lakra, shivani mehta, Shivani Singh 186, and Shubhi Singh.

REC

1637 Ishita Singhal

Meena Yadav

Vidhi GARG

pratishtha singh- 34

v subrahmanyam

Dr. Anupriya Pandey

Saugato Sen

Mahak Kohli

Astha Mukherjee

Meeting details

People (44)

Chat (21)

- Ramesh Satija
- Renu Gupta
- Ritika Kaira
- Ritu Dhingra
- Rupali Ahuja
- Sakshi Sharma
- Sakshi\_1324
- Saugato Sen
- Shikha Badhani
- Surinder Malhotra
- Tanvi Mehra 1644

REC

samiksha bhatnagar is presenting

**A SOCIOLOGICAL STUDY OF MENTAL HEALTH OF STUDENTS IN COVID-19**

DEPARTMENT OF SOCIOLOGY  
MAITREYI COLLEGE

MENTOR: Dr. Rashi Bhargava  
STUDENTS: Nayana Borgohain (II year)  
I.L. Prathyusha Naidu (II year)  
Samiksha Bhatnagar (II year)  
Shipri Lakra (II year)  
Vani Shukla(II year)

Brototi Roy

Shagun Sharma

Uma Nabhi

G.D Tripathy

Manjeet Kaur

Sakshi\_1324

Sanghamitra ...

Meeting details

People (187)

Chat

Add people

- Meena Yadav (You)
- 0894 Garima khanna sec A
- 1692 Neha Chhillar
- 1722 Rupika Gaba
- 90 NAMRA QURESHI
- Aakriti Agarwala
- Aanchal Varshney
- Aashna Nayyar

REC

SUMAN GOVIL

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oct10presentations

People (46)

Chat

Add people

Host controls

- Meena Yadav (You)
- 1462 Anushka Kukreti
- 1659 Kamakshi Upreti
- 1710 Bhumika Tiwari
- 1711 Shreya Rawat
- 1722 Rupika Gaba
- 1723 Padmakshi Chakravartty

Sharing this tab to www.facebook.com Stop

REC Ishita Kalshyan is presenting

The screenshot shows a Zoom meeting interface. On the left, a presentation slide is displayed with the following text:

Centre For Research  
**Maitreyi College**  
 (University of Delhi)

**COVID-19 AND COMORBIDITIES**  
 (Summer Internship Research Project)

Mentors:  
 Dr. Luni  
 Mr. Tejendra Kumar

Assistant Professors  
 Department of Zoology

Interns:  
 Ms. Disha Bhanwal,  
 Ms. Ishita Kalshyan,  
 Ms. Neha Chhillar &  
 Ms. Rupika Gaba  
 Students (B.Sc.)  
 Department of Zoology II(yr) and Life Science II(yr)

On the right, a list of participants is shown:

- Brototi Roy
- Ishita Kalshyan
- Disha Bhanwal
- Dr Vaishali Singh
- Meena Yadav (You)
- 1462 Anushka Kukreti
- 1659 Kamakshi Upreti
- 1692 Neha Chhillar
- 1710 Bhumika Tiwari
- 1711 Shreya Rawat
- 1722 Rupika Gaba

## Projects carried out under Summer Internship Programme, 2019-20

S.No	Department	Title of Project	Mentors	Students
I	Botany	A review analysis on COVID-19 virus, its symptom and the role of Chloroquine (CQ) and hydroxychloroquine (HCQ) in fighting the COVID-19 pandemic.	Dr Monika Heikrujam	Aanandita Bhagat and Jahnvi Tarun: B.Sc. (P) Life Sciences 2 <sup>nd</sup> year
	2	Probable strategies to combat corona pandemic by tracing its re-emergence from SARS virus	Dr Sarita Kumari	Nikita Goel and Ritika: B.Sc. (H) Botany 2 <sup>nd</sup> year
	3	Assessment of changes in air quality index after lockdown amid COVID-19 in India	Dr Pooja Baweja	Nisha Poddar and Sakshi Suman; B.Sc. (H) Botany 2 <sup>nd</sup> year
	4	Ayurveda: Boosting immunity as a remedy towards COVID-19- A statistical analysis	Divya Singh	Prapti Upadhayay and Niyati: B.Sc. (P) Life Sciences 2 <sup>nd</sup> year
	5	Transformation of life with COVID-19: Strategies for education and progress in vaccine development	Dr Sandeepa Singh	Avantika Pathak and Bandana: B.Sc. (H) Botany 2 <sup>nd</sup> year

	6	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 and Aparna Rai: B.Sc. (P) Life Science 2 <sup>nd</sup> year
	7	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: B.Sc. (H) Botany Hons 2 <sup>nd</sup> year Shalu Sharma and Vishakha: B.Sc. (P) Life Science 2 <sup>nd</sup> year
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: B.Sc. (P) Life Science 2 <sup>nd</sup> year; Sakshi: B.Sc. (P) Physical Science 2 <sup>nd</sup> year
	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: B.Sc. (H) Chemistry 1 <sup>st</sup> year
	10	“BRINGING LAB TO OUR HOME: BIO-ENZYME AND ITS MULTIUTILITY IN EVERYDAY LIFE”	Dr. Swarndeeep Kaur Sethi, Dr. Gita Batra Narula and Dr Kiran Soni	Ayesha Rahman, Priyansha Jain, Himanshi Chaudhary, Anjali Sharma and Versha Chaudhary: B.Sc. (H) Chemistry 2 <sup>nd</sup> year
	11	Computational study of Homochirality and Heterochirality and drug interactions with SARS COV-2 in biological system"	Dr. Kiran Soni, Dr Gita Batra Narula and Dr Shivalika Sharma	Keti Singh, Nishita, Aditi Govind Singh, Khushboo and Kajal: B.Sc. (H) Chemistry 2 <sup>nd</sup> year
	12	Nanoscale Perspective of coronavirus	Dr Gazala Ruhi and Dr Hema Bhandari	Stuti Dureja, Aditi Singh, Muskaan, Sakshi Sharma, Harshita Sharma: B.Sc. (H) Chemistry 2 <sup>nd</sup> year
	13	AYURVEDA- Pragmatic Plan against COVID-19	Dr. Geetika Bhasin and Dr. Ramesh Kumari	Leesha, Pramita, Shraddha Bhatla, Meeshika & Nitika: B.Sc. (H) Chemistry 1 <sup>st</sup> year
III	Commerce 14	COVID-19 and its Implication on Education System	Mrs. Nirmala Chauhan and Ms. Kritika Khurana	Vidhi Garg: B.Com. (H) 2 <sup>nd</sup> year; Ishita Singhal: B.Com (H) 2 <sup>nd</sup> year

	15	Impact of COVID-19 on Consumer Behavior	Dr. Madhu Jain and Ms. Anshi Goel	Sneha Singh: B.Com 1 <sup>st</sup> year
	16	The COVID-19 Crisis: A case for Universal Basic Income	Dr. Prachi Bagla, Ms. Apurva Setia	Ishika Goel and Sana Shamsi: B.Com (H) 2 <sup>nd</sup> Year
	17	How has COVID-19 impacted globalisation and work culture in offices? A study of India.	Ms. Laxmi	Pranjali Agarwal: B.A. (P) 3 <sup>rd</sup> year
IV	Computer s 18	Skittles - An Online Shopping Website	Dr. Manju Bhardwaj and Dr. Shikha Badhani	Tanya Dhingra, Unnati Sharma , Kavita Sharma and Sneha Gupta: B.Sc.(P) Physical Science with computer science 2 <sup>nd</sup> year
	19	Exploring Data Science to Study Viral Pandemic of COVID-19 in 2020 (EDSSVC-2020)	Dr. Veena Ghuriani and Dr. Jyotsna Talreja Wassan	Astha Moolchandani, Deena Shakeel Khan, Muskan Verma & Shivani Mehta: B.Sc. (P) Physical Science with Computer Science 1 <sup>st</sup> year
	20	Integrating e-resources with college website	Dr. Veena Ghuriani and Ms. Rupali Ahuja	Ojassvi Nagpal: B.Com (P) 1 <sup>st</sup> year; Niyati: B.Sc. (P) Life Sciences 2 <sup>nd</sup> year); Shubhi Singh: B.Sc.(P) Life Sciences 3 <sup>rd</sup> year and Kavita Chaudhary: B.Sc. (H) Botany 3 <sup>rd</sup> year
V	Economic s 21	Economics of Food during a Pandemic	Artika Vats and Antima Jain	Astha Mukherjee, Gopika Venugopal, Mahak Kohli and Medhawi Rajgaria: B.A (H) Economics 2 <sup>nd</sup> year
	22	Impact of COVID-19 on labour migration in India	Dr. Saroj Rani	Pratishtha Singh and Garima: B.A. (P) 2 <sup>nd</sup> year
	23	The Impact of Corona Virus Pandemic on the Exchange Rate of Indian Rupee	Dr. Priti Mendiratta Arora	Sneha Agarwal, Vaishnavi Sah & Parul Varma: B.A.(H) Economics 2nd year
	24	Crimes In The Time Of COVID-19	Dr. Priti Mendiratta Arora	Ruchika Rao & Sanskriti Agrawal: B.A. (H) Economics 2nd year
VI	English 25	Wounds of the Mind: The Trauma of Pandemics in Twentieth Century Literary Narratives	Dr M Tianla	Maumil Mehraj: B.A. (H) English 2 <sup>nd</sup> year

	26	Back Inside the Lakshman Rekha: Impact of COVID-19 Lockdown on Working Women	Ms Richa Chilana	Palak Purwar and Alfisha Sabri; B.A. (H) English 2 <sup>nd</sup> year
	27	Mental Health in Times 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 (44)	Aakriti Agarwala: B.A (H) English, 2 <sup>nd</sup> year
VII	Hindi 28	COVID-19: Takniki Hindi Vigyapan par Prabhav evam Badlav	Dr. Mamta Dhawan	Garima Gautam and Monika Saini: B.A. (H) Hindi 2 <sup>nd</sup> year
VIII	Mathematics 29	Mathematical analysis on COVID-19	Mr Pawan Kumar	Bhumika Papnai and Aadi Lochab: B.Sc. (H) Mathematics 1 <sup>st</sup> year; Nikita: B.Sc. (H) Mathematics 2 <sup>nd</sup> year; Simran Goyal: B.Sc. (H) Mathematics 3 <sup>rd</sup> year
	30	COVID-19: Pandemic Scare in the National Capital of India	Dr. Archana Paradkar and Dr. Neetu Arneja	Vaishnavi Panwar, Abantika Puhan and Yamini Yadav; B.Sc.(H) Mathematics 2 <sup>nd</sup> year
	31	Mathematical predictions for COVID-19 as a global pandemic	Mr Pawan Kumar (49)	Priya yadav, Priyanka sharma, Khushi Singh & Babita Mehra: B.Sc. (P) Physical Science with computer 2 <sup>nd</sup> year
IX	Physics 32	Coronavirus Pandemic: The setbacks to the physics community and its contribution towards the cause	Dr Swapna Ray Jain and Dr Neha Gupta	Muskan Verma: B.Sc. (P) Physical Science with Computer 2 <sup>nd</sup> year
	33	Quantum Computing For Fast Diagnosis and Treatment of Covid-19 and Other Diseases	Dr. Mansi Dhingra and Dr. Parul Yadav	Divya Singh, Vishakha Dwiwedi: B.Sc. (H) Physics 2 <sup>nd</sup> year; Preeti Sharma and Muskan Namdev: B.Sc. (H) Physics 3 <sup>rd</sup> year
	34	Role of Electromagnetic waves in detection and prevention of spread of COVID-19 and other virulent infections	Dr. Shalini LumbTalwar and Dr. Swapna Ray Jain	Komal, Anupriya, Varnika Chaudhary, Shubhangi Tiwari: B.Sc. (H) Physics 2 <sup>nd</sup> year
	35	COVID-19: Curse or blessing	Dr. Vasudha Agarwal	Sneha and Gunjan: B.Sc. (H) Physics 1 <sup>st</sup> year

	36	The nature's SOS: COVID-19	Dr Ritu Dhingra	Sadaf Esrar, Anjali Gupta, Saryu and Priyanka Yadav: B.Sc. (H) Physics 2 <sup>nd</sup> year
	37	India emerging as a world leader in tackling Covid 19	Dr. Ritu Dhingra	Vani Tiwari, Shranya Chauhan, Mani Bhardwaj: B.Sc. (H) Physics 2 <sup>nd</sup> year
	38	A Detailed Study of COVID-19 Scanning and Tracking Devices	Dr. Prajwalit Shikha	Sonam and Komal Kumari Meena: B.Sc.(H) Physics 2 <sup>nd</sup> year
	39	Physics in the time of COVID - 19	Dr. Savvi Mishra	Ms. Smile Gandhi, Ms. Shivangi Dubey: B.Sc. (H) Physics 3 <sup>rd</sup> year
	40	An approach to detect 'Covid-19' through Artificial Intelligence (AI)	Dr. Neelam Singh	Ms. Smridhi Chawla and Ms. Bhumika Chawla: B.Sc. (H) Physics 3 <sup>rd</sup> year
X	Political Science 41	Marginalised population & policy responses of 6 Indian states amidst COVID-19 (March 2020-May 2020): a comparative analysis	Dr Uma Nabhi	Bery Sarma and Lavanya Topa: B.A. (H) Political Science 3 <sup>rd</sup> year
	42	COVID-19 and the challenges to the Indian federal structure: An analytical review	Dr Uma Nabhi	Sakshi: B.A. (H) Political Science 3 <sup>rd</sup> year
XI	Punjabi 43	-Kel karende hanjh noh achinte baaz pae Frid-bani de paripekh vich vartmaan corona sankat de dauran manukhi maansikta da adhiyan-vishleshan (Implications of coronavirus crisis on human mental health)	Dr Surinder Kaur Malhotra and Dr Manisha Batra	Shagun Sharma: B.A. (P) 3 <sup>rd</sup> year
XII	Sociology 44	A sociological study of Mental health of students during COVID-19 pandemic	Dr Rashi Bhargava	Nayan Borgohain, IL Prathyusha Naidu, Samiksha Bhatnagar, Shipra Lakra and Vani Shukla: B.A. (H) Sociology 2 <sup>nd</sup> year
	45	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: B.A. (H) Sociology 3 <sup>rd</sup> year

	46	COVID-19 and Spanish flue: A comparative study from the lens of modernisation	Mr Pawan Harsana & Ms Sana Khan	Rhea Kad: B.A. (H) Sociology 2 <sup>nd</sup> year Atiriya Sharma, Ananya Aniruddh, Sanghita Hazarika: B.A. (H) Sociology 1 <sup>st</sup> year
XIII	Zoology 47	Psychosocial Impact and Changes in Sleep Quality during COVID-19 Pandemic: A cross-sectional study in India	Dr Meena Yadav	Ritika Kalra and Lavanya Ranjan: B.Sc. (H) Zoology 2 <sup>nd</sup> year
	48	Diet preferences and susceptibility to animal food-borne infectious diseases.	Dr. Rakhi Gupta, Dr. Archana Aggarwal	Shreya Rawat, Kamakshi Upreti, Radhika Kumari, Padmaakkshi Chakravartty, Anushka Kukreti, and Bhumika Tiwari: B.Sc. (P) Life Science 1 <sup>st</sup> year
	49	COVID-19 and Comorbidities	Dr. Luni and Tejendra Kumar	Ishita Kalshyan, Disha Bhanwal: B.Sc. (H) Zoology 2 <sup>nd</sup> year; Neha Chhillar, Rupika Gaba: B.Sc. (P) Life Sciences 1 <sup>st</sup> year
	50	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; B.Sc. (H) Zoology 2 <sup>nd</sup> year
	51	COVID-19 Lockdown and Pedagogy	Dr Renu Gupta, Dr Archana Aggarwal	Annu Kumari, Drushti Sable, Anamika Sharma, Preena, Rishika Maji: B.Sc. (H) Zoology 2 <sup>nd</sup> year
	52	COVID-19 and Herbal Remedies: Perception and Self-Use	Dr Shilpa Bharti	Muskan Bhardwaj and Mreenalini Singh: B.Sc. (P) Life Science 2 <sup>nd</sup> year
<b>Total Projects</b>				<b>52</b>