



ST. XAVIER'S COLLEGE
(AUTONOMOUS)
5, Mahapalika Marg, Mumbai - 400 001,
INDIA.
☎ 2262 0661/65

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities

Name of the Capacity Development and Skill Enhancement programme	Year of implementation	Students enrolled	Name of the agencies/consultants involved with contact details, if any
1. "Taking Calculated Risks-Actuarial Science" "Preparation for IIT JAM" (Soft Skills)	2020-2021	73	Ms.Gandhali Gadgil Assistant Vice-President- Actuarial HDFC Ergo General Insurance
2. Aptitude test (Soft Skill)	2020-2021	29	Shekhar Srinivasan Senior Manager – Sales (Fragrances), Firmenich Aromatics India Pvt. Ltd Mr Jiggar Rambhia -Associate Director- Nielsen 9773320818 Mr Tushar Paharia -Sr Consumer Insight Manager -Firmenich 9870076146
3. BIOCIDE: Unravelling Molecular Clues	2020-2021	250	Ms. Norine D'Souza, Assistant Professor, PGDBT, norine.Dsouza@xaviers.edu, Kris Silveira ,Lecturer, PGDBT, kris.silevira@xaviers.edu, Dr Elvis Martis, Assistant Professor, Department of Pharmaceutical Chemistry , Bombay College of Pharmacy, Mumbai, elvis.martis@bcp.edu.in, Dr Hrishikesh Pandit, Post Doctoral Fellow, NCI, NIH, Maryland, USA
4. Mental Hygiene Workshop	2020-2021	> 150	Supriya Swarup Narrative Practitioner & CBT therapist
5. BUSINESS SIMULATION	2020-2021	18	Prof Cajetan D'Souza , Professor at Jamnalal Bajaj Institute of Management Studies, Consultant
6. The pre- and post-pandemic training programs and work from home policies implemented by top corporates.	2020-2021	94	Mr Rajesh Deshpande(Human Resources Head at Payed),Evolution of corporate training & WFH: The New Fad

7. 'Demystifying a Multifaceted Tool in Biotechnology Research- The Flow Cytometer': A Two-Day Exploratory Webinar	2020-2021	100	In collaboration with Flow sols Jaipur and TETC, Mumbai. Dr. Hemant Agrawal, Director--Flowcytometry Solutions, flowsols@gmail.com. Dr. Rekha Gour, Co-Founder and Managing Trustee, Trust for Education and Training in Cytometry (TETC), India, rekha.gour@gmail.com. Mr. Badri Narayanan Natarajan, Applications Specialist, Thermo Fischer Scientific Pvt. Ltd., badri.natarajan@thermofischer.com
8. Data Analysis in R (Awareness of trends in technology)	2020-2021	31	Mr Rohit Bhattacharjee Quant Fund Manager Annet Fund Management
9. Machine Learning in R (Awareness of trends in technology)	2020-2021	18	Mr Rohit Bhattacharjee Quant Fund Manager Annet Fund Management
10. DESIGN THINKING	2020-2021	28	Interactive Session by Prof Deepesh Singh (NMIMS) Design Thinking
11. Molecular Diagnostics today and tomorrow (Honors Program)	2020-2021	17	Dr. Sachin Telang (Biomerieux) Dr. Saniya Deshmukh (IIT B) Mr. Anand Balasubramanian (Alumni of College) Dr. Priya Sundarajan
12. Marketing using Digital media (Awareness of trends in technology)	2020-2021	26	Mr Soumyadut Nag, Insights Manager at Pepsi Lipton Unilever Ltd
13. Strategies for Effective Communication - A Career Development Workshop	2020-2021	43 SY, 7 TY, 18 MSc1 and 5 MSc2	Dr Rama Soundararajan, Associate Professor, Department of Translational Molecular Pathology, University of Texas MD Anderson Cancer Center, USA
14. Basic and Advanced EXCEL (Using Data Analysis Tool Pack) (Awareness of trends in technology)	2020-2021	34	Prof Hegde Retired Associate Professor from SIES college Presently working for NMIMS, Welingkar Institute, University of Mumbai as Visiting Faculty
15. INTELLECTUAL PROPERTY RIGHTS	2020-2021	42	Session by Ms Ragini Shah (Founding Partner- Literati Juris) Intellectual Property Rights. Ms. Ragini Shah, covered the topics of Trademarks, Copyrights, Patents and Designs and its importance for every business.
16. Cancer Genomics Translates into Clinical Practice	2020-2021	65	IWSA, Dr. Neelam Shirsat

17. Introduction to Lifetime data analysis (Awareness of trends in technology)	2020-2021	25	Dr. Alok Dabade
18. Soft skills, Language and Communication Skills	2020-2021	30	Jyoti More, Language Lab, SXCM
19. Using LPP and EXCEL solver in trade compression (Awareness of trends in technology)	2020-2021	49	Mr Karan Bir, Sales and Trading Analyst, CITI bank
20. Machine learning (Awareness of trends in technology)	2020-2021	24	Mr Rahul Mishra Data Scientist Reliance Industries Ltd
21. MANCH PROGRAMME INCOLLABORATION WITH DEUTSCHE BANK.	2020-2021	22	MANCH PROGRAMME -MoU SIGNED WITH DEUTSCHE BANK & BMS
22. Machine Learning & Artificial Intelligence in Marketin	2020-2021	25	aCubeIT (A firm specialising in training in AI/ML
23. A Basic course in Advertisement (Soft Skill)	2020-2021	25	Mr Risabh Kapoor MONDELEZ INDIA FOOD PVT LTD Chocolate Insights Manager – India
24. Application of Logistic regression techniques in finance (Awareness of trends in technology)	2020-2021	40	Priyanka Sakhardande Deputy Manager,AI and Advanced Analytics M&G Prudential
25. Application of Multiple Linear Regression Using Insurance Case Study (Awareness of trends in technology)	2020-2021	58	Ms.Sheetal Joshi Director: Sankhya Analytical Research Pvt. Ltd. Partner: Anapro Strategies LLP Cell No:9152729772 Email id: sheetal@sankhyaanalytics.com
26. Market Research Program Awareness of trends in technology)	2020-2021	56	Mr Jiggar Rambhia -Associate Director- Neilson 9773320818 Mr Tushar Paharia -Sr Consumer Insight Manager -Firmenich 9870076146
27. Placebo & Nocebo Effect	2020-2021	100	Dr.Fr.Roy J.J. Pereira S.J. Creighton University
28.VIRTUAL & REALITY	2020-2021	30 students presented papers	Ruby Pavri, Associate Prof, SXCM

29. Exploring the Scientific Curiosity: An Omics Approach	2020-2021	100	Dr. Antara Banerjee, Scientist B, NIRRH, Mumbai, antarabnrj@gmail.com, Dr. Anshu Bharadwaj, Senior Scientist, CSIR-Institute of Microbial Technology, Chandigarh, anshu@imtech.res.in, Dr. Sameer Phalke, Senior Scientist, MedGenome, Bangalore, sameer.p@medgenome.com, Dr. Rita Mukhopadhyaya, Vice President, Indian Women's Scientists' Association, rita45@gmail.com, Dr. Rita Mukhopadhyaya, Vice President, Indian Women's Scientists' Association, rita45@gmail.com Dr. Boney Kuriakose, Lead scientist at Agri Genome Labs Pvt Ltd, Kochi. Adjunct Scientist SGRF, India., boney.k@aggenome.com
30. Start Up India and Innovation	2020-2021	14	Platex Business Solutions
31. Quantitative and Logical Preparations for Entrance Exams and Interviews (Soft Skill)	2020-2021	28	Mr Sailesh Goregaokar Visiting Faculty- St Xavier's College Adjunct faculty-Meghnad Desai academy of Economics
32. Understanding Urban Sustainable living for a cleaner and greener planet (Honors Program)	2020-2021	5	RUR GreenLife PVt Ltd
33. Time series using R (Awareness of trends in technology)	2020-2021	39	Mayur More, Dept of Statistics, SXCM 9594739189
34. Be Smart Webinar	2020-2021	84	TRAMSEB, Dr. Parul
35. Television Rating Points (TRPs) (Awareness of trends in technology)	2020-2021	48	Mr Nitish Bhardwaj Manager (Media Analytics) - Nielsen Media India Pvt. Ltd Cell No: 8454009011 Email id: nitish21bhardwaj@gmail.com
36. Yoga Day/Week	2020-2022	149	Dr. Radha Kumar, Associate Prof, SXCM, Aarti Raut, Geeta Mehta

Scope of Actuarial Science - Gandhali Gadgil

Report

A webinar on the Scope of Actuarial Science, organised by the Department of Statistics and the Stats Society, was conducted by Ms. Gandhali Gadgil on October 10, 2020.

Objective: To understand the current and future prospects and increasing relevance of actuarial science.

The webinar began with Yatharth Gupta, the chairperson of the Stats Society, thanking the speaker for joining us and introducing the professors after which Ananya Sinha introduced the speaker, Ms. Gandhali Gadgil.

The webinar was divided into two sessions, the talk and the Q&A. The speaker began the first session by introducing the three main spheres of actuarial science: General Insurance, Life Insurance and Pensions. After diving deeper into these areas of the discipline, she proceeded to talk about the increasing ambit of actuarial science in other fields by taking an instance of its application in the oil industry. Further discussing the growing relevance of the subject, the speaker also talked about the meaning of an actuary and the difference between one and a statistician, stating that the former was an extension of a statistician in the sense that actuarial science was more holistic. She went on to explain that selling to management and implementation fell into the repertoire of an actuary. She pointed out that statisticians often get caught up in technicalities and jargon and that actuaries bridge the gap that exists between the technical and the practical.

The speaker proceeded to explain the requirements to pursue a career in the discipline by breaking down the entrance exams and then went on to debunk some myths about actuarial science and actuaries. She also talked about life on campus and explained how getting in was not the only difficult part and how preparation was key.

With this, Ms. Gadgil ended the talk and proceeded to the Q&A session where the FY representative conveyed to her the questions of the other students. She answered queries about the pros and cons of the UK society over the Indian one, the difference between actuaries and risk analysts, whether arts students could pursue the discipline, the applications of actuarial science in other fields, internships and the scope of a Masters degree in actuarial science.

With this, the webinar came to an end and after the vote of thanks, a couple of students in the audience gave the speaker their feedback on the webinar after which Pooja ma'am and Yatharth Gupta thanked her once again.



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To,
Ms.Gandhali Gadgil
Assistant Vice-President-Actuarial
HDFC Ergo General Insurance

Dear Ms.Gandhali Gadgil ,

On behalf of the Department of Statistics, I thank you for conducting the lecture
“Taking Calculated Risks-Actuarial Science” for our undergraduate students on 10th October in
the academic year 2020-2021.

Your lecture was well appreciated and the students have benefited greatly.
Looking forward to further academic interaction with you.

Thanking you,

Prof. (Ms.) Myrtle. C. Fernandes
Head – Dept of Statistics
St. Xavier's College – Autonomous
Mumbai.

When data is the buzz word across the world, it's a professional dream come true for the Statisticians.

In today's world with so much data being tracked - with or without our knowledge, data backed decisions are being made across all sectors.

From sports, FMCG, fashion to usual data dark horses - banking and insurance sector, the winners are those who read the data well and calculate the risks as precisely as possible.

This is what Actuarial Science is all about. Evaluating risks.

It is a specialized skill. But actuarial work presents a unique opportunity for being specialized and still being involved in almost all core functions of the company.

A good actuary has opportunities to flourish in so many different departments that one can aim for having a very fulfilling career.

Meeting ID	Topic	Start Time	End Time	User Email	Duration (Minutes)	Participants
93649022990	Guest Lecture by Ms.Gandhali Gadgil	10-10-2020	10-10-2020	pooja.ochaney@xaviers.edu	141	91
Name	E Mail ID	JOIN	LEFT	Duration (Minutes)		
201425 Kripa Jalan	kripajalan1@gmail.com	10-10-2020 15:03	10-10-2020 15:14	11		
160 Veer Shah 181426	veer.shah@xaviers.edu.in	10-10-2020 14:51	10-10-2020 15:04	14		
182378 Raghav Swaroop Varma (319 Raghav Swaroop Varma)		10-10-2020 14:59	10-10-2020 15:12	14		
494 Joannah C. Philip 202585		10-10-2020 15:55	10-10-2020 16:08	14		
238 Shreyas Ghaisas 124 (shreyas ghaisas)	shreyas.ghaisas@gmail.com	10-10-2020 14:55	10-10-2020 15:11	16		
497 Anso Dominic 202591	anso.dominic@xaviers.edu.in	10-10-2020 15:06	10-10-2020 15:22	17		
287 muskan		10-10-2020 15:09	10-10-2020 15:27	19		
192126 Malavika Mampally	malavikamampally@gmail.com	10-10-2020 14:59	10-10-2020 15:20	22		

192228 Rajat Ghosh (472 Rajat Ghosh 228)	rajat.ghoshh309@gmail.com	10-10-2020 15:05	10-10-2020 15:30	26		
202584 Shubhank Gaba	shubhank.gaba@xaviers.edu.in	10-10-2020 15:37	10-10-2020 16:02	26		
202168 Om Ambaye		10-10-2020 15:28	10-10-2020 15:54	27		
202214 Bhavika Chawla (472 Bhavika Chawla)	bhavika.chawla@xaviers.edu.in	10-10-2020 14:52	10-10-2020 15:19	28		
192135 Ahana Mandal 459	ahana.mandal@xaviers.edu.in	10-10-2020 15:43	10-10-2020 16:11	29		
shruti sharnagat (yomi)		10-10-2020 15:06	10-10-2020 15:36	30		
201425 Kripa Jalan	kripajalan1@gmail.com	10-10-2020 15:15	10-10-2020 15:48	34		
202584 Shubhank Gaba (544 Shubhank Gaba 202584)	shubhank.gaba@xaviers.edu.in	10-10-2020 15:02	10-10-2020 15:35	34		
192228 Rajat Ghosh	rajat.ghoshh309@gmail.com	10-10-2020 15:33	10-10-2020 16:09	36		
202168 Om Ambaye		10-10-2020 14:52	10-10-2020 15:27	36		

192149 Meha Chauhan (463 Meha Chauhan)	meha.dvs@gmail.com	10-10-2020 15:32	10-10-2020 16:09	37		
201066 harshita dubey		10-10-2020 14:58	10-10-2020 15:35	38		
201480 Gargi Palaskar (104 Gargi Palaskar 480)		10-10-2020 14:59	10-10-2020 15:38	40		
073 Riddhi Agarwal 484	073.riddhiagarwal@gmail.com	10-10-2020 15:16	10-10-2020 15:58	42		
192135 Ahana Mandal 459	ahana.mandal@xaviers.edu.in	10-10-2020 15:00	10-10-2020 15:43	43		
494 Joannah C. Philip 202585		10-10-2020 15:09	10-10-2020 15:54	45		
Anvi Agarwal	anvifranta@gmail.com	10-10-2020 15:03	10-10-2020 15:49	46		
192350 Apurva Yemul 487 (487 Apurva Yemul 350)	appu030102@gmail.com	10-10-2020 15:23	10-10-2020 16:09	47		
202009 Neha Kochar (511 Neha Kochar 202009)	neha.kochar@xaviers.edu.in	10-10-2020 14:58	10-10-2020 15:51	54		
192080 Shayne Vaz (452 Shayne Vaz 080)	shayne.vaz@xaviers.edu.in	10-10-2020 15:17	10-10-2020 16:11	55		

192240 Devishree Panchal (474 Devishree Panchal 240)		10-10-2020 15:14	10-10-2020 16:09	55		
192397 Anu Mathew		10-10-2020 15:15	10-10-2020 16:09	55		
238 Shreyas Ghaisas 124	238.shreyasghaisas@gmail.com	10-10-2020 15:14	10-10-2020 16:09	56		
192213 Aparna Nambiar	aparna.nambiar@xaviers.edu.in	10-10-2020 14:58	10-10-2020 15:54	57		
192282 Arnav Tankha (479 Arnav Tankha 282)		10-10-2020 14:54	10-10-2020 15:50	57		
182378 Raghav Swaroop Varma		10-10-2020 15:12	10-10-2020 16:10	58		
130 devdatta rege (devd)		10-10-2020 15:05	10-10-2020 16:03	59		
519 Jaideep Singh 202179	jaideep.chopra@xaviers.edu.in	10-10-2020 15:10	10-10-2020 16:09	59		
191139 Twinkle Chheda (029 Twinkle Chheda 139)	029.twinklechheda@gmail.com	10-10-2020 14:57	10-10-2020 15:57	60		

192136 Rashi Ghorpade (460 Rashi Ghorpade 136)		10-10- 2020 15:12	10-10- 2020 16:12	60		
191070 vidisha navalkar (221 vidisha navalkar 191070)	221.vidishanavalkar@gmail.com	10-10- 2020 14:52	10-10- 2020 15:53	62		
553 Sonali Gawade 202906		10-10- 2020 14:59	10-10- 2020 16:01	62		
525 Vidula Chavan 202319	vidula.chavan@xaviers.edu.in	10-10- 2020 14:58	10-10- 2020 16:02	64		
201159 Astle Dsa (159 Astle dsa)		10-10- 2020 14:57	10-10- 2020 16:01	65		
202008 Tanya Anupam (459 Tanya Anupam202008)	tanya.anupam@xaviers.edu.in	10-10- 2020 15:04	10-10- 2020 16:09	65		
192317 Lydia Dbritto (Lydia Dbritto)	lydiadbritto1701@gmail.com	10-10- 2020 15:02	10-10- 2020 16:08	66		
192363 Lhingnunching Lhungdim		10-10- 2020 15:04	10-10- 2020 16:09	66		
160 Veer Shah 181426	veer.shah@xaviers.edu.in	10-10- 2020 15:04	10-10- 2020 16:11	68		

192011 Nathan DCruz	nathan.dacruz787@gmail.com	10-10-2020 15:01	10-10-2020 16:08	68		
201037 Leanne Rose (037 Leanne Rose)		10-10-2020 15:01	10-10-2020 16:09	68		
192030 Simonelle Fernandes (449 Simonelle Fernandes 030)		10-10-2020 15:00	10-10-2020 16:09	69		
514 Afzal Rahman Shaikh 202169	afzal.shaikh@xaviers.edu.in	10-10-2020 15:00	10-10-2020 16:09	69		
182141 Alexander P Sebastian (297 Alexander P Sebastian)	alexanderpsebastian@gmail.com	10-10-2020 14:59	10-10-2020 16:09	70		
191399 Ann Mary David		10-10-2020 15:02	10-10-2020 16:11	70		
202350 Udbhav Verma (479 Udbhav Verma 202350)	udbhav.verma@xaviers.edu.in	10-10-2020 15:01	10-10-2020 16:11	70		
201006 Tisha Shah (001 Tisha Shah)	tisha2shah@gmail.com	10-10-2020 14:56	10-10-2020 16:07	71		
192040 Ryanne Shavonne Lobo (451 Ryanne Lobo 040)	ryanne5102@gmail.com	10-10-2020 14:58	10-10-2020 16:10	72		

202188 Dhruvi Sonigara (522 Dhruvi Sonigara)		10-10-2020 14:57	10-10-2020 16:09	72		
Gandhali (G543917)		10-10-2020 14:57	10-10-2020 16:09	72		
202325 Jahnvi Agarwal (528 Jahnvi Agarwal 202325)	jahnvi.agarwal@xaviers.edu.in	10-10-2020 14:56	10-10-2020 16:09	73		
192004 Leal Miranda	lealmiranda0706@gmail.com	10-10-2020 14:58	10-10-2020 16:12	74		
192148 Nishita Parikh	naparikh310701@gmail.com	10-10-2020 14:55	10-10-2020 16:09	74		
192229 pavithra manoj (473 Pavithra Manoj 229)		10-10-2020 14:55	10-10-2020 16:09	74		
182120 Vritika Mehta (Vritika Mehta)		10-10-2020 14:54	10-10-2020 16:09	75		
192392 Tanya (489 Tanya 392)	teressatanya@gmail.com	10-10-2020 14:55	10-10-2020 16:09	75		
202553 Siya Denny (535 Siya Denny 202553)	siyadenny23@gmail.com	10-10-2020 14:55	10-10-2020 16:10	75		
202171 Arjun Sathaye (515)	arjun.sathaye@xaviers.edu.in	10-10-2020 14:54	10-10-2020 16:10	76		

Arjun Sathaye 202171)						
202183 Ritu Chand	rituchand14062002@gmail.com	10-10- 2020 14:54	10-10- 2020 16:09	76		
191084 Pranati Trivedi (Pranati Trivedi)		10-10- 2020 14:53	10-10- 2020 16:09	77		
202592 Bridget Praisys (546 Bridget Praisys 202592)	bridget.praisys@xaviers.edu.in	10-10- 2020 14:52	10-10- 2020 16:09	78		
202173 Anjali Warrier (517 Anjali Warrier 202173)	anjali14.warrier@gmail.com	10-10- 2020 14:49	10-10- 2020 16:09	80		
182404 Vishakha Singh (322 Vishakha Singh)	vishakha322singh@gmail.com	10-10- 2020 14:47	10-10- 2020 16:09	82		
Brandon DCosta		10-10- 2020 14:49	10-10- 2020 16:11	83		
201314 Andrew Desousa (072 Andrew Desousa)	andrew.desousa@xaviers.edu.in	10-10- 2020 14:48	10-10- 2020 16:11	84		
202332 Ananya Sinha (532 Ananya Sinha 202332)	ananyasinha01@gmail.com	10-10- 2020 14:46	10-10- 2020 16:12	86		
201040 Debashree Kesharwala (013	debashree.kesharwala@xaviers.edu.in	10-10- 2020 14:46	10-10- 2020 16:11	86		

Debashree Kesharwala)						
202347 Rishabh Chakraborty (534 Rishabh Chakraborty 202347)		10-10-2020 14:46	10-10-2020 16:11	86		
201011Yati Mishra	yati.mishra14@gmail.com	10-10-2020 14:41	10-10-2020 16:09	88		
181267 Pritika Nayak (Pritika Nayak)	pratika2000@gmail.com	10-10-2020 14:43	10-10-2020 16:11	89		
182133 Yatharth Gupta (Yatharth Gupta)	yatharthgupta08@gmail.com	10-10-2020 14:43	10-10-2020 16:11	89		
Mayur More (mayur more)	mayur.more@xaviers.edu	10-10-2020 14:51	10-10-2020 16:19	88		
Annapurna Shankarnarayanan	annapurna.s@xaviers.edu	10-10-2020 15:08	10-10-2020 16:40	92		
SAJU VERGHESE GEORGE		10-10-2020 14:51	10-10-2020 16:39	109		
Myrtle		10-10-2020 14:43	10-10-2020 16:37	114		
Ayesha Dias (Myrtle Fernandes)	myrtle.fernandes@xaviers.edu	10-10-2020 14:48	10-10-2020 17:01	133		

Pooja Ochaney	pooja.ochaney@xaviers.edu	10-10- 2020 14:40	10-10- 2020 17:01	141		
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Outline of aptitude test

Day 1

10:30 - 11:30 (1 hour) Introduction to Common entrance exams

11:30 – 1:30 (2 hrs) Overview on Verbal ability

Day 2: (Contd)

10:30 – 2:00 Solving questions on verbal ability with a mix of CAT and other entrance exams

Day 3:

10:30 – 11:30 (1 hour) Introduction to quantitative ability and data interpretation

11:30 – 2:00 Solving problems related to quantitative ability and data interpretation with the trainer

Day 4: (Contd)

10:30 – 2:00 Solving problems related to quantitative ability with the trainer

Day 5:

10:30 – 2:00 Overview of logical and abstract reasoning

Day 6: (Contd)

10:30 – 2:00 Familiarizing with common problems and solving problems with the trainer on LR

Day 7:

10:30 – 1:30 Timed Mock test comprising of problems with a mix of quantitative, verbal and logical reasoning

Aptitude test
SYBA

Serial No.	NAME	UID
1	Dharmi Sheth	191184
2	Rhea Banerjee	191276
3	Vansh Chowdhary	191441
4	Twinkle P Chheda	191139
5	Anvi Agarwal	191106
6	Olivia Ann Mathew	191457
7	Shania D'souza	191166
8	Savio Joe	191496
9	Maria Mathew	191401
10	Tanish D'mello	191052
11	Namitha Simon	191494
12	Sahita Chesetty	191467
13	Robin Francis	191010
14	Madhura Rajwade	191183
15	Chelsea Pinto	191485
16	Devika Raheja	191192
18	Christi Mariam Denny	191458
19	Cheryl Saju	191051
20	Shreyas Ghaisas	191124
21	Leya Sam	191350
22	Lara Noronha	191090
23	Pratham Barot	191199
24	Philip Dawny Philip	191417
25	Ann Mary David	191399
26	Saurav Cyriac	191368
27	Subasri Srikanth	191435
28	Merlin Sebastian	191040
29	Radhika Dikay	191136
30	Diya Iravane	191432
31	Bhakti Badlani	191436
32	Riddhi Agarwal	191484
33	Elizabeth James	191365
34	Vanshiekaa Tandon	191448



				VERBAL ABILITY		QUANTITATIVE ABILITY		DATA INTERPRETATION AND LOGICAL REASONING	
SR. NO.	NAME	ROLL NO.	UID	13- Feb- 21	20- Feb- 21	27-Feb- 21	06- Mar- 21	21-Mar-21	03- Apr- 21
1	Robin Francis	5	191010	P	P	P	P	A	P
2	Merlin Sebastian	8	191040	P	P	P	P	P	P
3	Cheryl Saju	11	191051	P	P	A	P	P	P
4	Tanish D'Mello	12	191052	P	P	P	P	P	P
5	Lara Noronha	20	191090	P	P	P	P	P	P
6	Radhika Dikay	28	191136	P	P	P	P	P	P
7	Twinkle Chheda	29	191139	P	P	P	P	P	P
8	Shania D'souza	34	191166	P	P	P	P	A	P
9	Madhura Rajwade	36	191183	P	P	P	P	P	P
10	Dharmi Sheth	37	191184	P	P	P	P	P	P
11	Devika Raheja	38	191192	P	P	P	A	P	P
12	Pratham Barot	40	191199	P	P	P	P	P	P
13	Rhea Banerjee	50	191276	P	P	P	P	P	P
14	Leya Sam	57	191350	P	P	P	A	A	P
15	Elizabeth James	58	191365	P	P	P	A	P	P
16	Saurav Cyriac	59	191368	P	P	P	P	A	P
17	Ann Mary David	60	191399	P	P	P	A	P	P
18	Maria Mathew	61	191401	P	P	P	P	P	A
19	Philip Dawny Philip	63	191417	P	P	P	P	P	P
20	Diya Iravane	65	191432	P	P	A	P	P	P
21	Bhakti Badlani	67	191436	P	P	P	P	P	P
22	Vanshiekaa Tandon	69	191448	P	P	P	P	A	A
23	Olivia	70	191457	P	P	P	P	P	P

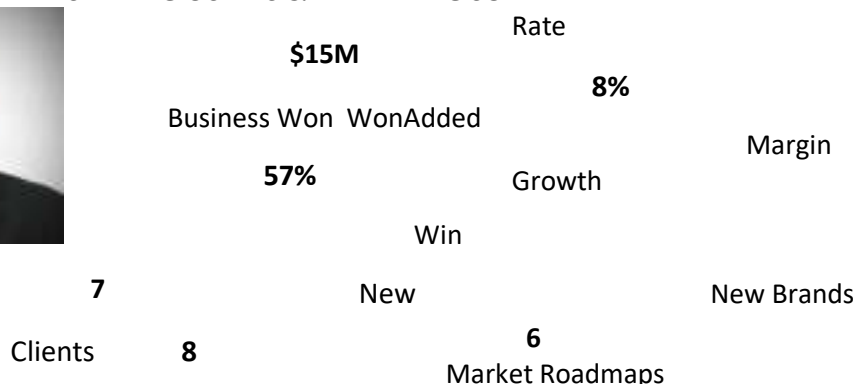
	Mathew								
24	Christi Mariam Denny	71	191458	A	P	P	P	A	P
25	Sahita Chesetty	72	191467	P	A	P	P	A	A
26	Riddhi Agarwal	73	191484	P	P	A	P	P	P
27	Chelsea Pinto	74	191485	P	P	P	A	A	P
28	Namitha Simon	79	191494	P	P	P	P	A	P
29	Savio Joe	80	191496	P	P	P	A	A	A

SHEKHAR SRINIVASAN

Sales Coach | Author | Public Speaker



STRATEGIC SALES & MARKETING SUMMARY



VALUE PROPOSITION

Sales Coaching Innovation Management Solution Selling Sales Negotiation Market Intelligence Value Chain Mapping Strategic Planning Pricing Analytics Consumer Insights Public Speaking Corporate Strategy Patent (IP) Research

QUALIFICATIONS

2010 Master of Science The Ohio State University, Columbus, USA Materials Engineering 2006 Master of Science University of Texas at Austin, USA Petroleum Engineering 2004 Bachelor of Science Institute of Chemical Technology (UDCT) Chemical Engineering

Senior Manager – Sales (Fragrances), Firmenich Aromatics India Pvt. Ltd. Mar. 2018 – Present Firmenich is the largest privately owned fragrance house headquartered in Switzerland and with a strong market leadership both in India and the world

- Topped revenue targets by an average of 18% in two years by winning strategic brands in soap, oral care and acquiring two new e-commerce clients
- Unlocked value to the tune of USD 500 K from the distributor-led remote regions located in North India thereby enhancing market penetration
- Enhanced the average gross margins for the local business by 8% in 2019, in the backdrop of two critical raw-material crises
- Nominated from among a team of ten sales professionals to participate in the L1 leadership program on sales management held in Europe
- Reduced product inventory by 85% by rebalancing the fragrance portfolio and cross selling to new applications
- Spearheading the creation and development team towards a pipeline totaling an annual fragrance potential of USD 4 Million

Manager – Marketing and Innovation, Ingevity India Pvt. Ltd. Mar. 2014 – Feb 2018 Ingevity is a US chemicals company headquartered in Charleston, SC, manufacturing renewable pine chemicals for markets like oilfield, automotive, asphalt, inks, coatings, adhesives and agrochemicals

- Executed the marketing plan for ink and adhesive resins generating new business worth \$2.2 Million • Unlocked value to the extent of \$3 Million from the conversion of biorefinery residues into value added intermediates such as emulsifiers for explosives and reclaimed rubber
- Championed the development of two new intermediates; one for an oilfield emulsifier and another one for an industrial cleaner formulation unlocking an opportunity worth \$650 K
- Enhanced the profit margins for select commodity fatty acid intermediates by over 15% by tailoring their value proposition to the regional market needs
- Created a strategic roadmap for introducing dimer acids for developing biopolyols that are used in UV curable polyurethane dispersions - an opportunity worth \$500 K

- Quantified the net tangible benefit of Ingevity's renewable specialties over competition using the total cost of ownership model
- Spearheaded a team of 3 analysts across Europe, China and USA on global market opportunity assessments on drilling fluids, mining chemicals and micronutrients
- Built an idea to value framework that translated market insights into 3 new commercial products

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SHEKHAR SRINIVASAN

Sales Coach | Author | Public Speaker

Business Development Manager, Feedback Consulting Private Ltd. Mar. 2013 – Feb. 2014 Feedback is a strategy consulting firm serving B2B industries with entry into new markets • Spearheaded the business development for Western India consistently achieving over 85% of business targets (\$1 Million); 30% of which was new business

- Led the team out of a crisis by shouldering execution responsibilities for a market assessment on sealants in the automotive aftermarket in India
- Promoted the company through digital platforms and other media for enhanced brand visibility

Business Analyst, Aranca Mumbai Private Ltd. Dec. 2011 – Mar. 2013 Aranca is a Knowledge Process Outsourcing firm providing market research services to B2B clients. • Conducted a market assessment for battery separators for an engineering plastics company • Devised a growth strategy for a global thin film precision coatings business in USA • Formulated an India business plan for a European food and dairy equipment manufacturer • Executed a market assessment for adhesives business in the food and pharma packaging segment • Recognized among the top three primary researchers in a team of 100 professionals

R&D Manager, Hindalco Industries, Mumbai Sep. 2010 – Nov. 2011 • Reengineered processes to enhance their energy efficiency that resulted in operational savings of INR 500,000 per annum

- Supported the departmental planning, equipment procurement, vendor selection and negotiation resulting in a net cost saving of INR 50,000
- Collaborated with the marketing team to develop project proposals to enhance product quality • Elected as a representative for the systematic improvement & innovation committee for World Class Manufacturing in the assessment year 2011

Reservoir Engineer, PetroTel Inc., USA Jun. 2006 – Dec. 2007 • Built geo-statistical models integrating hard geological data with secondary geophysical information • Optimized production performance while mitigating risks in Russian oilfields resulting in operational savings of \$3 million

- Designed proposals illustrating cost benefit summaries and devised strategy for field development • Deputed to Russia within 8 months to train clients on Applied Geostatistics and Integrated Reservoir Management
- Supported team via promotion of geological software at global conferences

ACCOMPLISHMENTS

- 2010: Represented the Materials Science and Engineering Department of the Ohio State University at the International Conference on High Speed Forming (2010) in Columbus, Ohio
- 2008: Received Research Fellowship from The Ohio State University
- 2005: Winner of 1st prize at Society of Petroleum Engineers (SPE) student paper presentation contest organized by University of Texas at Austin
- 2004: Among top 10 scholars from India to receive the American Alumni Travel Grant

PUBLICATIONS

- Direct Spatiotemporal Interpolation of Reservoir Flow Responses, VDM Publishing House, Germany • Dimensional Control and Formability in Impact Forming, VDM Publishing House, Germany

HOBBIES

- Public Speaking, Content Writing, Sports & Athletics

<https://www.youtube.com/watch?v=0X651sVHYZA&t=83s>

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St Xavier's College
(Autonomous), Mumbai

Post Graduate Department of
Biotechnology

BIOCODE: Unravelling Molecular Clues

A National Workshop on Bioinformatics for students

A Course Preview to the PG Diploma in Bioinformatics

About the Workshop

The Workshop aims to meet, interact and reach out to students who intend to gain an insight about the up-coming field of Bioinformatics and gain a birds eye perspective on the happenings in Post graduate Diploma in Bioinformatics.

Resource Persons



Dr Elvis Martis, Assistant Professor
*Department of Pharmaceutical Chemistry,
Bombay College of Pharmacy, Mumbai*



Dr Hrishikesh Pandit, Post Doc Fellow
*National Cancer Institute,
National Institute of Health,
Maryland, United States of America*

**Norine
D'souza**

Assistant Professor
*Post Graduate Department of Biotechnology,
St Xavier's College (Autonomous),
Mumbai, India*

**Kris
Silveira**

Lecturer
*Post Graduate Department of Biotechnology,
St Xavier's College (Autonomous),
Mumbai, India*



Schedule

PGDBT

- (4 – 5 pm) Induction to Bioinformatics

Dr. Elvis

- (5- 6 pm) Transition Session 1

Dr. Hrishi

- (6 – 7 pm) Transition Session 2

Date : 7th August 2020

Time : 4:00 to 7:00 pm

REGISTRATION → FREE!

Click here for Registration: (<https://forms.gle/iwc7a5qiRv1wyQ9t8>)

Dr. Karuna Gokarn , HOD, PGDBT/ karuna.gokarn@xaviers.edu
Ms. Norine D'Souza, Faculty, PGDBT/ norine.dsouza@xaviers.edu



ST. XAVIER'S COLLEGE - AUTONOMOUS, MUMBAI
POSTGRADUATE DEPARTMENT OF BIOTECHNOLOGY

‘BIOCODE: Unravelling Molecular Clues’

A National Workshop on Bioinformatics for students - A Course Preview to the PG Diploma in
Bioinformatics

REPORT

Date: 7th August 2020

Time: 04:00 pm -07:00 pm

Online Platform: ZOOM Video Conferencing Platform

Department Coordinator: Dr. Karuna Gokarn, Vice Principal (Academics) and Head -
Biotechnology

Speakers-

- Dr Elvis Martis, Assistant Professor, *Department of Pharmaceutical Chemistry , Bombay College of Pharmacy, Mumbai- “Primer in Drug Docking”*
- Dr Hrishikesh Pandit, Post-Doctoral Fellow, *National Cancer Institute, National Institute of Health, Maryland, United States of America- “ Insights in HIV Research”*
- Ms. Norine D’Souza, Assistant Professor, *PGDBT, St. Xavier’s College (Autonomous), Mumbai- “Induction in Bioinformatics”*
- Mr. Arjun Chakraborti, *President & CEO – India, Trakinvest.com-“ Applications of Machine Learning”*

Report:

“It is change, continuing change, inevitable change, that is the dominant factor in society today. No sensible decision can be made any longer without considering not only the world as it is but the world as it will be.”- As quoted by Isaac Asimov, Biochemist and Fiction Writer.

Background:

Contemporary Biology intertwined with technology and use of computers in our daily work has become a quintessential attribute. Bio-scientists are generating tremendous amount of data through newer technologies and biology learners are being compelled to grapple with the explosion of new technologies, data types and data analysis.

PGDBT believes that adapting to changing times is the way forward for the incoming generation to excel in a data driven economy. The field of Bioinformatics has become optimally relevant in the Pandemic times because it uses the power of computers and the efficiency of machine learning to simulate and look into places that humans would either take too long to or would have never thought of going, and serves as the guiding rail for humanity.

Objective: A bird’s eye view into the newly introduced Post Graduate Diploma in Bioinformatics programme of the Department, an endeavour to equip the young graduates with skills that will allow their seamless transition into the Big Biological Data Industry.

Summary:

Post Graduate Department of Biotechnology, St. Xavier’s College (Autonomous), organised a preview workshop , ‘BIOCODE: Unravelling Molecular Clues’ on 7th August 2020 via Zoom, a video conferencing platform.

The workshop was organised to give an insight into the importance of Bioinformatics in understanding and applying biological concepts and a preview to the PG Diploma in Bioinformatics programme. It was attended by nearly 300 Undergraduate, Post graduate students and PhD scholars from various parts of India. The webinar was inaugurated by Dr. Karuna Gokarn, Vice Principal (Academics) and Head of the department.

Session I: “*Induction in Bioinformatics*”- Ms Norine D Souza , Assistant Professor, PGDBT, SXC

The session was a snapshot of the tools required for understanding the fundamentals of Bioinformatics.

Session II: “*Primer in Drug Docking*” - Dr Elvis Martis, Assistant Professor, *Department of Pharmaceutical Chemistry , Bombay College of Pharmacy, Mumbai*

An insightful session into the various aspects of drug docking using the example of antiviral drugs.

Session III: “ *Insights in HIV Research*”- Dr Hrishikesh Pandit, Post-Doctoral Fellow, National Cancer Institute, National Institute of Health, Maryland, USA

Using the example of HIV research , the need and relevance of Bioinformatics in research and development was reiterated through the session.

Session IV: -“ Applications of Machine Learning” Mr. Arjun Chakraborti, President & CEO – India, Trakinvest.com

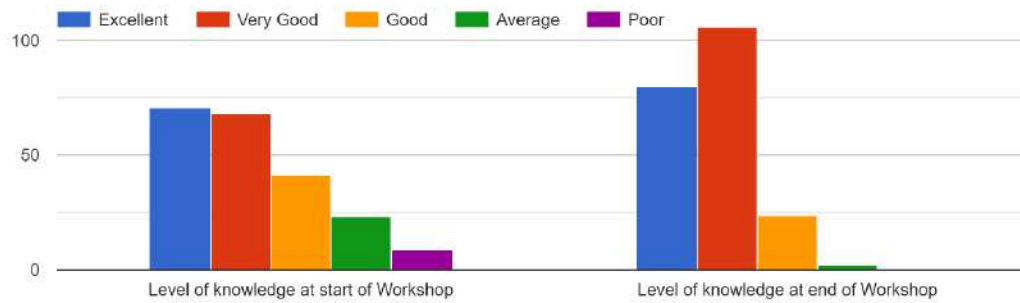
The session emphasised on the role of Machine learning and AI for biologists particularly in healthcare and how the PG diploma course is a starting point into the field.

Feedback analysis:

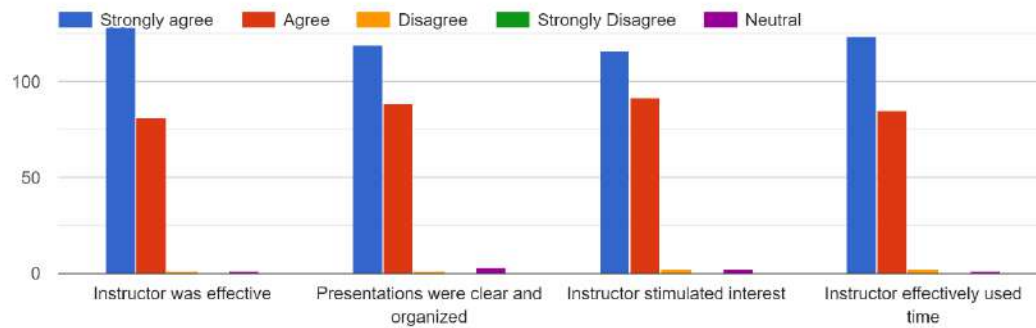
Online Feedback was collected using Google forms. A total of 212 participants responded to the questions. The rest did not submit the feedback forms. The data obtained was analyzed using Microsoft Excel.

Workshop impressions:

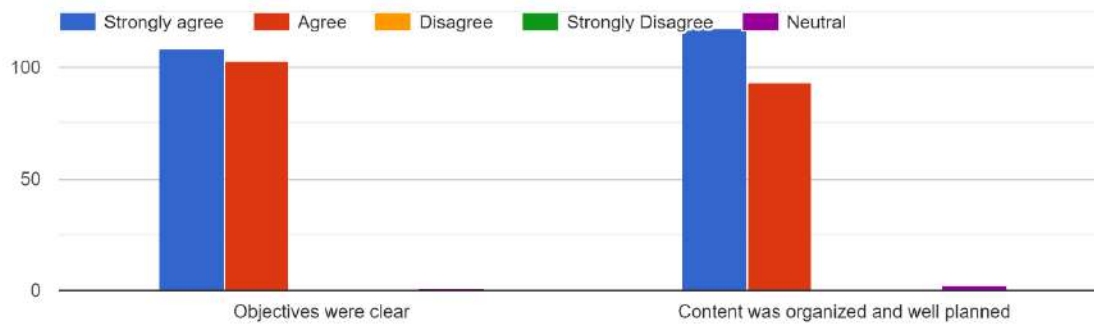
Contribution to learning



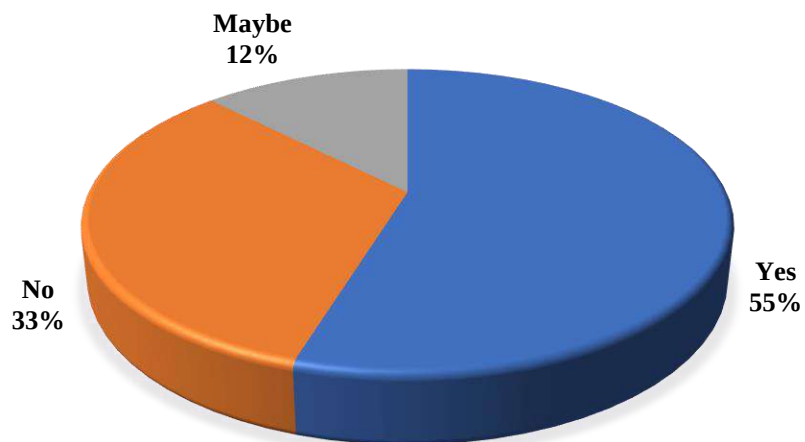
Skill and responsiveness of the instructor



Content



**WORKSHOP ATTENDEES' INTERESTED IN JOINING
PG DIPLOMA IN BIOINFORMATICS.**



Acknowledgements:

1. Dr. Rajendra Shinde, Principal, St. Xavier's College
2. Participants and student volunteers

Annexure:

1. Programme Flyer
2. Registration Details
3. Feedback form template
4. Certificate template

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MENTAL HYGIENE WORKSOP

PRESENTED BY
THE DEPARTMENT OF MASS MEDIA,
ST. XAVIER'S AUTONOMOUS, MUMBAI
UNDER THE AEGIS OF RUSA

22ND MARCH
MARCH 2021
8AM - 11AM



MENTAL HYGIENE THROUGH SELF REFLEXIVITY; A JOURNEY TOWARDS WELLNESS

St. Xavier's Autonomous prides itself with imbibing within its students a tendency to excel not only academically but also outside the realms of education. It is with this focus on wholesome development, that we resolve to be an extension of well-rounded individuals and changemakers who build strong communities in the real world.

The vicissitude of learning to digital platforms that has occurred in the recent months, has amplified the importance of mass media and its networks and the myriad infrastructures of student-teacher interactions it offers. This framework has explicated our efforts as an institution towards the development of soft skills and social hygiene, gradually forging individuals that will be active communicators and listeners in society.

It is thus with these overlying intentions, in the wake of a global pandemic and its imminent challenges, the Department of Mass Media proposes to support and guide students through an interactive Mental Hygiene workshop with esteemed health expert,

What: Mental Hygiene Workshop

When: 22nd March

Timings: 8am to 11am

Who: *Supriya Swarup*, she is a certified Narrative Practitioner and CBT Therapist with a PGD in Counselling Psychology, Certified in Advanced Relationship Counselling. Currently, with training in Presence-oriented Psychotherapy.

Duration: 3 Hours

Concept Note: Through this online workshop students will be encouraged to explore self-reflexivity through mindfulness. Students will be provided with tools for Mental Health First Aid, support options and resources as well as, strategies to cope with stress.

Commencing with an introduction to the concept of Mental Hygiene and its importance in daily life, students will learn the various meanings of mental health, types of illnesses and methods of mitigation with a focus on implementation, active listening and self-compassion.

The locus of this workshop will be a brainstorming session, where students will create their own actionable plan for a journey to mental wellness. Students are guided towards identifying mental health indicators, with methods to effectively approach parents and concerned adults to initiate a sensitisation towards mental health.

The webinar will conclude with a Q & A session where students may address additional concerns.

Aims:

- This webinar aims to provide students with support outlets and resources to encourage good mental and emotional health quotients.
- Practicing mindfulness and emotional first aid/body scans and grounding techniques
- Extending support to peers, as well as one's self through the journey of mental wellness.
- Talking about mental health without stigma and seeking help in time.
- Students will be provided with a document that entails an emotional and mental hygiene tool kit for future reference and support.

Format: Introduction to mental health, awareness sessions.bPracticing mindfulness. Q & A interactive session, support and resources.

Students of FY, SY and TYBMM are all encouraged to participate, registration is free and open to all.

Registration Link:

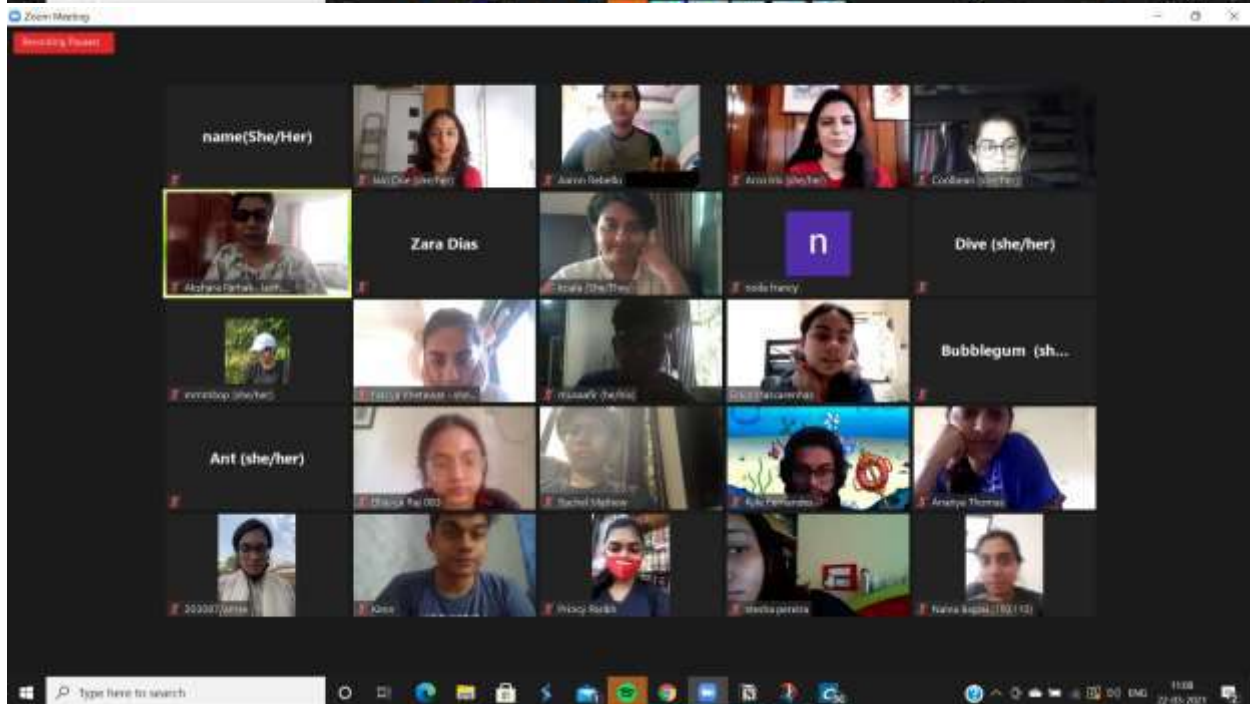
Contact:

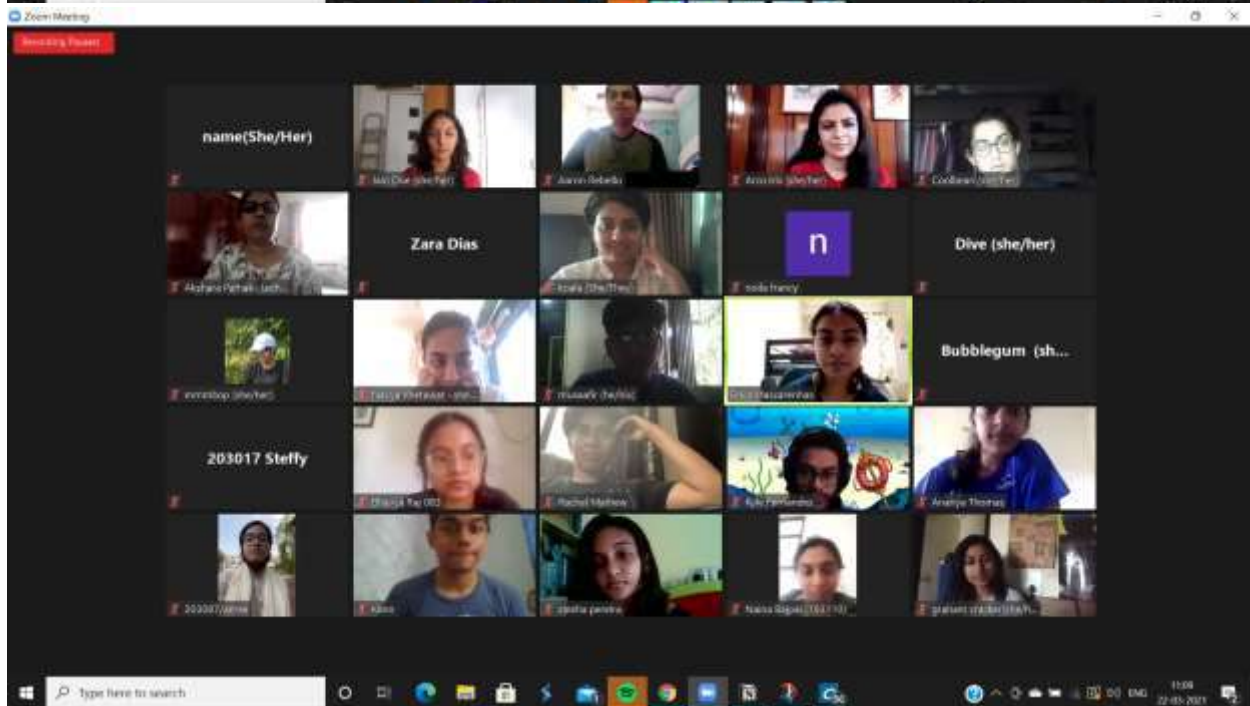
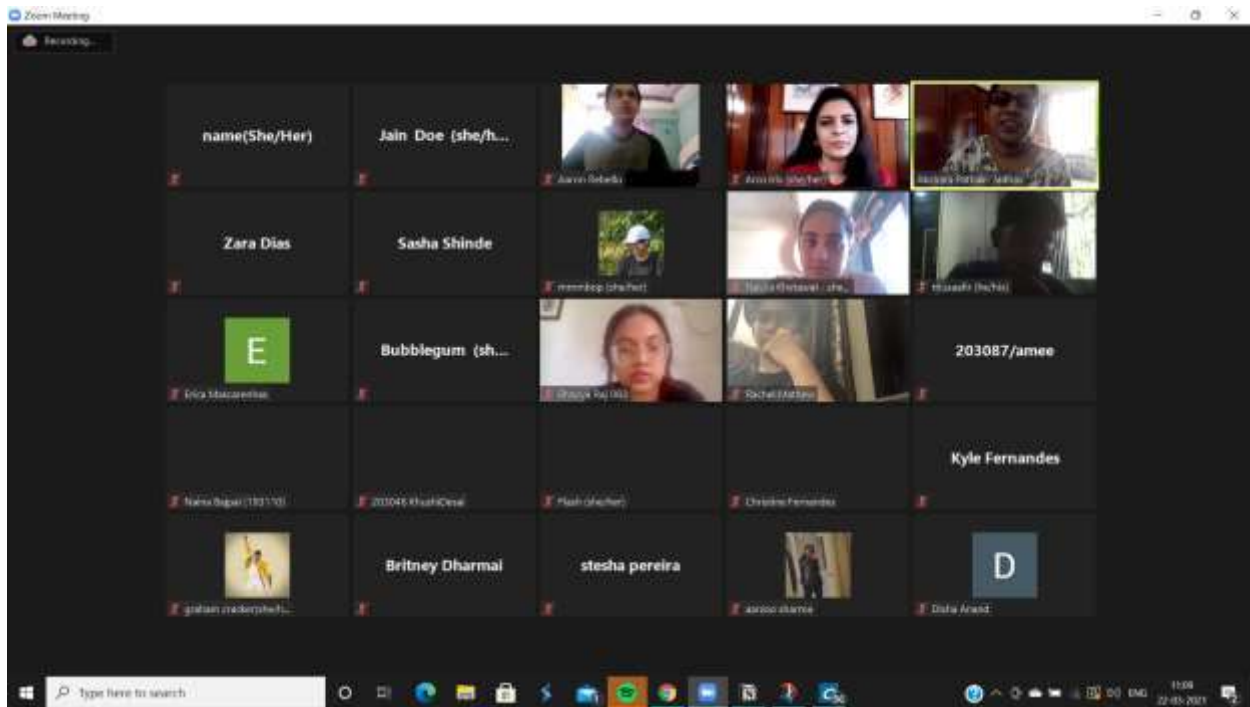
Website: <http://xaviers.edu/main/>

Photographs

Recording... **LIVE** on Custom Live Streaming Service ▼

 Arco Iris (she/her)	Shloka	 Coolbean (she/...	 Akshara Pathak-...
 Baarish(she/her)	203024 Elvin Ge...	 Rachel Mathew	Perrie Subrama...
Shreya Gupta	explorer	koala (She/They)	Pulakita (She/H...
Kenn	 wave (she/her)	Dive (she/her)	 shawarma (she/...
 shreya shaji	 mmmmbop (she/...	Navya Khetawa...	musaafir (he/his)
 Erica Mascarenh...	Bubblegum (sh...	Ant (she/her)	Clown (she/her)







SXC _BMM/RUSA/Somatic Practice to build Self-Leadership2021



ST. XAVIER'S COLLEGE - AUTONOMOUS, MUMBAI

DEPARTMENT OF MASS MEDIA

Report of the One Day Workshop on “Mental Hygiene: ” under the aegis of Rashtriya Uchhatar Shikshan Abhiyan -----

Title: *‘A Toolkit for Young Professionals- Financial, Creative, and Mental Hygiene’ A Two-day Workshop on Creative Hygiene*

Sponsorship: RUSA Component 8

Date: 22nd March, 2021

Time: 8.00am – 11:00am

Venue: Online - Zoom meetings

Department Coordinator: Ms. Periyannayagi. SP, Head of Department, Mass Media.

Workshop Resource Person:

Supriya Swarup:

A certified Narrative Practitioner and CBT Therapist with a PGD in counselling psychology. She is certified in Advanced Relationship Counselling and has a training in Presence Oriented Psychotherapy.

Background:

Mental health and its care is of great importance. There is an unnecessary stigma around mental health and thus help with wellness is something most people are unacquainted with. Through this workshop, students were given some kind of insight on how the concept of mental wellness works and were made aware of the various resources they can avail.

Mental Hygiene

Mental health is as important as general physiological health and should be treated the same. The way you go to a general physician for your regular check up, therapy is a regular service one can avail for psychological well being.

A lot of times, people are labeled and looked at differently because of their mental health. We need to see a person beyond that one thing. A single story is never the case and it should not be pivoted around. to

There are various ways (that the speaker spoke about) that one can use to take care of their mental health. To be more aware of one's own feelings is most important. One should not shy away from seeking help, everyone needs it! One should also be mindful of the people around and be a little more sensitive. However it is very important to know how much one can help.

Objective of the workshop:

At the end of the workshop, students would have been introduced to the following:

- ✓ Provide students with support outlets and resources to encourage good mental and emotional health quotients
- ✓ Practicing mindfulness and emotional first aid/body scans and grounding techniques
- ✓ Extending support to peers and as well as to self through journey of mental wellness
- ✓ Talking about mental health without stigma and seeking help in time
- ✓ Documents provided to students for future reference

Workshop Design and flow:

8:00 am	Begin workshop. Set the context. Introductions. Basic Understanding of therapy and the need for it.
8:20 - 8:40	Breakout rooms - discussion in smaller groups themed around self reflection and understanding
8:40-9:10	Discussion in the larger room about experiences of breakout rooms and observations
9:10 am	Break

9:30- 10:45 am	Questions taken up. Participants sharing their experiences and the resource person giving expert opinion
10:45 - 11:00	Mindfulness exercise

Process of the workshop

The workshop had been designed based on the mode of interaction and exercise. Information was given on what, how and when and this was all connected to practicality through self reflection exercises and group discussions.

Feedback:

Formal feedback forms were filled by the participants at the end of the workshop. Reflections on the learnings were also shared.

- The workshop was well received by the participants.
- The workshop resource person was well appreciated for his insights on the respective topics as well as for the interaction through questions and sharing of experiences.

Outcome of the workshop:

Based on the feedback from the participants, it has been observed that

- ☐ Students felt heard and felt better after being able to talk about things in a free environment.
- ☐ Students were positive that they learned a lot from the session and were now more aware and mindful about the people around them and their own self.
- ☐ 65 % were likely to attend a similar such session given the topics that were covered and the manner in which the resource person conducted the workshop.

Follow up action:

- ☐ Based on the understanding gained through the workshop, we aim to get the topic of mental health into unstigmatized mainstream discussion. Moreover access to these resources of health has been attempted to make it easier through the methods explained by the speaker.

Acknowledgements:

1. Dr. Rajendra Shinde, Principal, St. Xavier's College and College Management
2. Participants and student volunteers
3. Treasurers' office, St. Xavier's College.

4. The SXC-RUSA core committee.

Thankyou

Inbox



BMM Department 11:40

to Supriya, bcc: Akshara, Perrie ▾



Dear Supriya,

On behalf of the Mass Media Department, at St. Xavier's College (Autonomous) Mumbai, we thank you for conducting the online workshop on 22nd March.

We were delighted to have you address our students and appreciate you sharing your expertise and insight, we have received only heartwarming feedback from all attendees about the workshop and appreciate your contribution to its success.

We look forward to working with you in the future.

Sincerely,

Ms.Perrie Subramnaiam

Head,

Dept of Mass Media

Email: s.periyanayagi@xaviers.edu



St.Xavier's College
(Autonomous), Mumbai
5, Mahapalika Marg, Mumbai 400001



**THE DEPARTMENT OF
MANAGEMENT STUDIES (BMS)**

PRESENTS

**A RUSA FUNDED WORKSHOP
ON
"BUSINESS SIMULATION"**



Mr. Cajetan D'souza
Visiting Faculty
at NMIMS & JBIMS
Consultant

**Date: 3rd- 20th March
2021**

**Daily meeting links
and timings will be
mailed to the
participants**

**For further queries contact :
cajetandsouza@jbims.edu**

Date: _____

PO no. **SXC/RP/**_____/_____/19-20

Component no. 08

To,
Cajetan Dsouza
301 Sargam
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Charkop
Kandivli West
Mumbai 400067

Subject: **Payment Order based on Invoice no:** _____

Dear Sir,

With reference to your Invoice mentioned above, the Department of Management Studies BMS, St. Xavier's College (Autonomous), Mumbai – 400 001 would like to place an order for the following service:

No	Instrument	Quantity	Manufacturer	Catalogue number	Final price with tax and discount
1	Software MikesBikes	5 licenses	iInteract Indore	-	15,000/-
2	Lectures of One hour	10	Self		10,000/-
TOTAL					

Total cost of the service is **Rs. 25000 /-** (Rupees **Twenty five thousand only.**) including all taxes.

Payment will be done only via RTGS according to RUSA guidelines. Thus, kindly provide your information by filling out the vendor registration form provided by us.

Thanking you,
Yours sincerely,

Dr. Rajendra Shinde
Principal, St. Xavier's College (Autonomous), Mumbai
Date: 17/02/2021

Cajetan Dsouza
301 Sargam
Plot no 4 Sector 1
Charkop Kandivli West
Mumbai 400067

Date: 2nd March 2021

The Head of Department
BMS Department
St. Xavier's College
5, Mahapalika Marg, Dhobi Talao,
Chhatrapati Shivaji Terminus Area,
Fort, Mumbai, Maharashtra 400001

Dear Maám,

The Business Simulation course can be conducted in 10 sessions.

The process of simulation course/workshop will be as follows:

1. I will conduct a 1-hour session which can be extended for more time if needed to explain the game and ask the students to do the single player simulation and understand the software.
2. They will have to read the manual well and then play the game. They will have to submit the results in the format presented to them.
3. The first 30 students will be chosen after the Single Player Simulation and quiz based on the manual on google forms.
4. The students will be divided into 5 or 6 teams of 6 or 5 each and introduced to the Multiplayer simulation in one hour.
5. The students then will be made to play 3 rounds of trial to get accustomed to the software and then the real 10 rounds will begin.
6. At the end they will make a presentation to the Board of Directors on the performance of their firm for the last 10 years
7. They will also be asked to give Strategic Plans for 3 years each after every three years.

Prerequisites are Marketing, Finance, HR, Accountancy, Operations and Strategic Management.

The fee for this workshop will be Rs. 25,000/- for online classes.

The costs are as follows:

Licenses for software Rs. 15,000/-
Lectures cost per hour Rs. 1,000/-
for 10 lectures Rs. 10,000/-

The schedule for 10 lectures will be as follows:

All lectures to be conducted at 4.15 pm for 1 hour except the last lecture for 2 hours except on 16th at 3 pm or another suitable time

Lecture no	Date	Description	Pedagogy / Readings
1	3 rd March	Lecture on the purpose of simulation and presentation on the simulation – Single Player	Players Manual reading, Installation of the Software
	6 th March	Submission of the Single player result / Test conducted	Test based on the manual and the Single player
2	8 th March	Presentation of the Multiplayer Scenario and putting them into teams and distribution of the licenses	Trial rounds of the first 3 rounds
	10 th and 11 th March	2 rounds of trial rounds to be done by midnight	Decisions to be entered into the app.
3	12 th March	Briefing of the trial rounds and feedback on their learnings	Decisions to be taken for the final 1 st Round at midnight
	13 th and 14 th March	2 rounds of final rounds to be done by midnight	Taking decisions of the Second and Third rounds
4	15 th March	Briefing of the three rounds and learnings	Taking decision for the 4 th Round
5	16 th March	Briefing of the result of fourth round if possible at 3 pm	Taking decisions for the 5 th and 6 th round
6	17 th March	Briefing of the result of 5 th and 6 th round	Taking decisions for the 7 th & 8 th round
7	18 th March	Briefing of the result of 7 th & 8 th round	Taking decisions for the 9 th & 10 th round
8	19 th March	Briefing of the result of tenth round	Giving instructions for the Board of directors meeting presentation
9	20 th March for 2 hours	Presentations to the board if possible at 4-6pm	

Thanks and regards,

Cajetan

RUSA FUNDED PROGRAMME ON BUSINESS SIMULATION

Date- 3rd to 20th March 2021

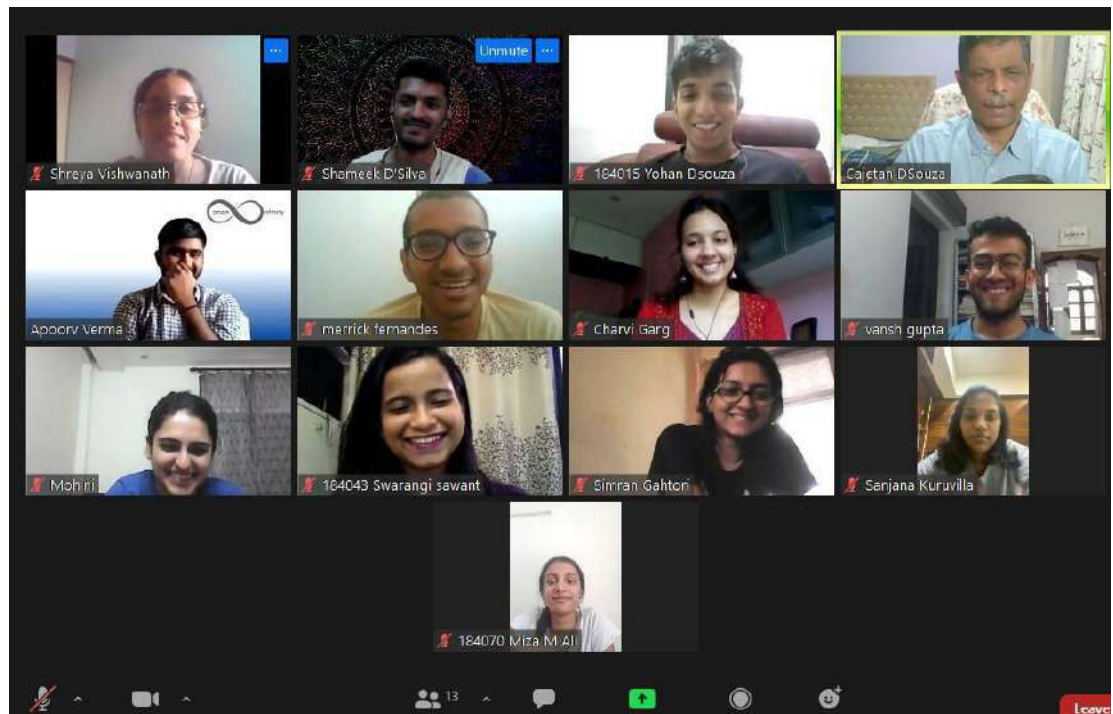
Guest Lecturer- Mr.Cajetan Dsouza

Workshop- Business Simulation

Mr.Cajetan Dsouza is a visiting faculty at many renowned colleges such as JBIMS and NMIMS. He conducted a workshop on business simulation on Mikes Bikes Advanced and gave a holistic view as to how a business really works in the real world and taught students how to deal with various aspects such as marketing, finance and operations while they are given limited resources. They were to choose wisely from the given pool of resources and make important decisions with respect to allocations to various functionalites surrounding the product to ultimately increase their shareholder value.

The screenshot displays a Zoom meeting interface during a business simulation workshop. The main window shows a 'Benchmark Report' for 'Mikes Bikes Advanced' with various financial metrics. The right sidebar shows participant names: Chintan Wadhwa, Sanjana Kuruvilla, 184041 Yash Pr..., Karen Mathew, vansh gupta, and Simran Gahtori. The bottom of the screen shows Zoom controls like Participants, Chat, Share Screen, Record, and Reactions.

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Annual Total
Revenue	\$100.00	\$100.00	\$100.00	\$100.00	\$400.00
Cost of Goods Sold	\$60.00	\$60.00	\$60.00	\$60.00	\$240.00
Gross Profit	\$40.00	\$40.00	\$40.00	\$40.00	\$160.00
Operating Expenses	\$20.00	\$20.00	\$20.00	\$20.00	\$80.00
Operating Income	\$20.00	\$20.00	\$20.00	\$20.00	\$80.00
Interest Expense	\$5.00	\$5.00	\$5.00	\$5.00	\$20.00
Income Before Tax	\$15.00	\$15.00	\$15.00	\$15.00	\$60.00
Tax Expense	\$3.00	\$3.00	\$3.00	\$3.00	\$12.00
Net Income	\$12.00	\$12.00	\$12.00	\$12.00	\$48.00
Dividends	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Retained Earnings	\$12.00	\$24.00	\$36.00	\$48.00	\$120.00



Dear <<Full Name>>

Greetings from THE MANAGEMENT CLUB!

Thank you for registering for the session on **Evolution of corporate training & WFH: The New Fad** by the department of Management Studies, St. Xaviers College.

Unique access link to the meeting: <https://zoom.us/j/98889903325>

Meeting ID: 988 8990 3325

Event Details:

Date: *23rd January, 2021*

Time: *4:00 - 5:30pm*

Speaker: *MR. RAJESH DESHPANDE*

For latest updates, Join us on:

Telegram: t.me/managementclub_bms_sxc

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Regards,

The Management Club

Speaker Session 2 Evolution of Corporate Training and Work from Home

Mr. Rajesh Deshpande
Ex-head HR Cox & Kings
Director at 91Gaming

An online seminar on the topic “Evolution of Corporate Training and Work from Home” was organised by the BMS Management Club on the 23rd of January, 2021 for BMS, BMM, BA, BSC, BSC. IT and Junior College students. Mr. Deshpande focussed on pre- and post-pandemic training programmes and work from home policies.

With the advent of the coronavirus pandemic every other company encouraged a large portion of its workforce to work from home. Employees enjoyed working from home for the first few months until they stressed out on household chores, work deadlines and maintenance of a work life balance. Bringing in the complexities of training remote employees during the pandemic, Mr. Deshpande broke down the session into three parts i.e., Pre-pandemic, Pandemic and Post-pandemic training.

Corporate training before the pandemic

Before the pandemic set in training included classrooms, on the job and activity-based training programs.

Classroom training has helped develop interpersonal skills with which employees communicate effectively at the corporate level with their superiors, peers, subordinates or customers). Behavioural training can be provided in terms of interpersonal skill development, time management and conflict management.

On the job training is given after hiring employees. They are meant to improve product/process training for e.g. The sales team could be trained in negotiation skills.

Companies allot the first day of a new recruit for induction or orientation. Here the employee understands the culture, vision, mission of the company. He reviews HR policies; employee benefits and familiarises himself with the various teams he works with. The employee is supported for the first 3 months. In this period, he can receive behavioural training and various skills required on the job.

E-learning process have been prevalent for the past 10-12 years. Mr. Deshpande described the e-training programs used by the Aditya Birla Group. The process suffers from several disadvantages such as high initial costs and limited interaction with trainers. These platforms can be used if you have a large and dispersed workforce aiming to learn something in short period of time. It is efficient for technical training programs where the employee learns at a comfortable pace chosen by him.

Product and process training was imparted after every 3 months and new product training was given as and when essential.

Challenges faced by corporations during the Pandemic

Since physical communication was restricted, companies relied heavily on technology for their needs. Not everyone was flexible enough and those companies which had ignored remote working in the past were made to carry a heavier cost. Technology simply translated to having remote servers and employees having access to computers and stable internet connections. As simple as it may sound, several firms lost many business days in the process.

Corporations also needed to deal with the mindset of the employees. Due to uncertainty and lay-offs all around, psychologically employees were going through tremendous stress. Increase in non-job related work compounded these issues and threatened a reduction in the productivity of employees. Employees no longer had an environment where they could focus on their jobs and comfort levels also reduced. Office furniture, stationary, air conditioning and other amenities had been withdrawn and people had to make do with what they had.

Keeping the above points in mind, companies re-evaluated their focus on training programs focusing on topics such as work life balance, stress management, importance of health and wellness and safety of employees.

Employees are being taught to follow time tables. They should avoid working non-stop just because they can. Time needs to be spent away from the screen and with family. HR departments made sure that their employees were productive by minding health and their stress.

Preparation of remote training content was required in a short span of time. Transferring the content generally taught in a classroom to web servers for employees to learn via videos became important. Evaluation of the online training methods became very difficult. The parameters used for evaluation of an offline training program couldn't be recycled for the online methods.

Eventually corporations accepted working from home as the new normal and 80%+ employees did not walk into offices. As long as working was possible from a remote location, it was encouraged. Designing WFH policies did not pose as huge a task as implementation of the same did.

Mr. Deshpande went on to explain the framework of work from home policies. Objectives needed to be created for employees and they needed to be well defined. For example, creation of an application measuring productivity of the employee. Scope for every job was needed. Jobs needed to be specified. Communication was of utmost importance. Management needed to communicate the timings, office work, new and revised rules and they needed to be able to engage with employees at all times. If they couldn't understand the problems their employees were facing, work from home was not going to work out in their favour. Management of expectations was needed. This involves efficient communication as well. Employee's expectations from their superiors was to be made clear.

Companies needed to define several Do's and Don'ts to ensure smooth operations. Employees could not be denied leave just because they were stuck at home. Employees needed permission of their superiors before logging off work sessions. Employees should try

to maintain a professional environment at home and they should follow their general dress code if possible, to keep themselves aware of their targets.

Several benefits are offered by corporations such as internet, telephone, electric allowances, health and wellness sessions are conducted regularly and many companies offered free health check-ups for their employees. These benefits are given by only a few corporations.

Mr. Deshpande ended the presentation with a question-answer session. The students interested in a carrier in human resources are advised to take up courses in data and HR analytics. Several statistical courses can be taken online which teach interpretation of data.

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THE BMS MANAGEMENT CLUB

St. Xavier's College (Autonomous), Mumbai 400001

23rd
Jan
4 PM

Mr. Rajesh Deshpande

Corporate Trainer
Former Head HR
Cox and Kings



LIVE @ZOOM

EVOLUTION OF CORPORATE TRAINING & WFH : THE NEW FAD



[T.ME/MANAGEMENTCLUB_BMS_SXC](https://t.me/managementclub_bms_sxc)



BMSMANAGEMENTCLUB@GMAIL.COM



St. Xavier's College (Autonomous), Mumbai
Post Graduate Department of Biotechnology
Under the Aegis of RUSA
Organises



'Demystifying a multifaceted tool in Biotechnology Research- The Flow Cytometer'

A two day exploration webinar

- **Dates:** 11th -12th February 2021
- **Time:** 3pm-6pm
- **Venue:** Your personal devices in 'Zoom Room'
- **Registration:** Free
- **Eligibility:** PG students and Ph.D. scholars (Biosciences)
- **Link for Registration:** <https://forms.gle/seKZB8VDNwAXJbTL7>

Highlights:

- ▶ Basics of Instrumentation
- ▶ Applications
- ▶ Sample Preparation
- ▶ Demonstration
- ▶ Data analysis

Resource Persons:

- **Dr Hemant Aggarwal,**
Director, Flowcytometry Solutions
- **Mr Badri Narayanan,**
Applications Specialist, Thermo Fischer Scientific Pvt Ltd.
- **Dr Rekha Gaur,**
Co founder, Trustee, Trust for Education and Training in Cytometry



ST. XAVIER'S COLLEGE - AUTONOMOUS, MUMBAI
POSTGRADUATE DEPARTMENT OF
BIOTECHNOLOGY



'DEMYSTIFYING A MULTIFACETED TOOL IN BIOTECHNOLOGY
RESEARCH- THE FLOW CYTOMETER'.

A TWO-DAY EXPLORATORY WEBINAR

Annexure 5 Photographs

Date: 11th February 2021

Time: 03:00 pm-06:00 pm

Date: 12th February 2021

Time: 03:00 pm-06:00 pm

Department Coordinator: Dr. Karuna Gokarn, Vice Principal (Academics) and Head - Biotechnology

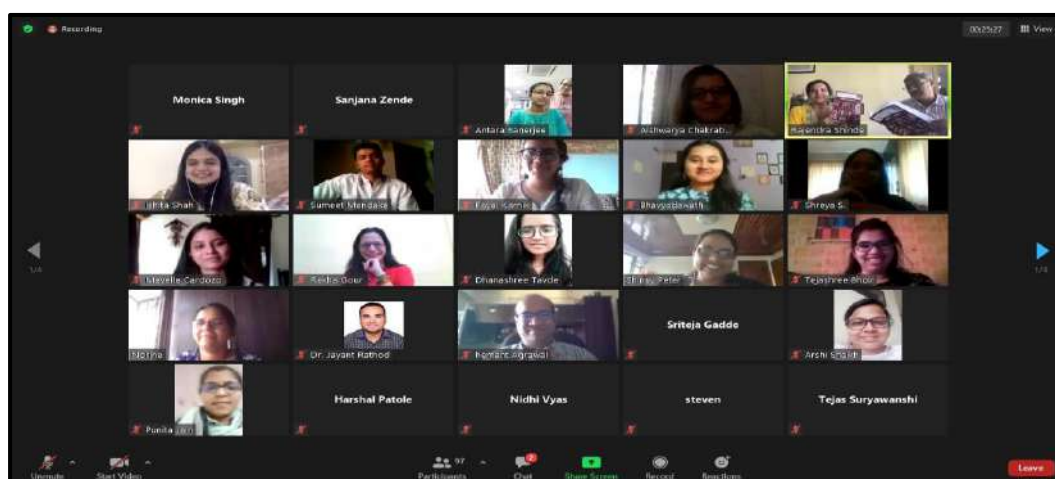
DAY 1

The image shows a composite of a webinar poster and a video feed. The poster on the left is for 'DAY 1' of the webinar, held on '11th Feb: 3pm -5:30 pm'. The topic is 'Introduction to Flow Cytometry and its Applications in Biological Sciences'. It features three speakers: Dr. Hemant Agarwal (Director, Flowcytometry Solutions), Dr. Rekha Gaur (Co-founder, Trustee, Trust for Education and Training in Cytometry), and Mr. Badri Narayanan (Applications Specialist, Thermo Fischer Scientific Pvt. Ltd.). The video feed on the right shows the host, Ms. Aishwarya Chakraborty, wearing glasses and speaking.

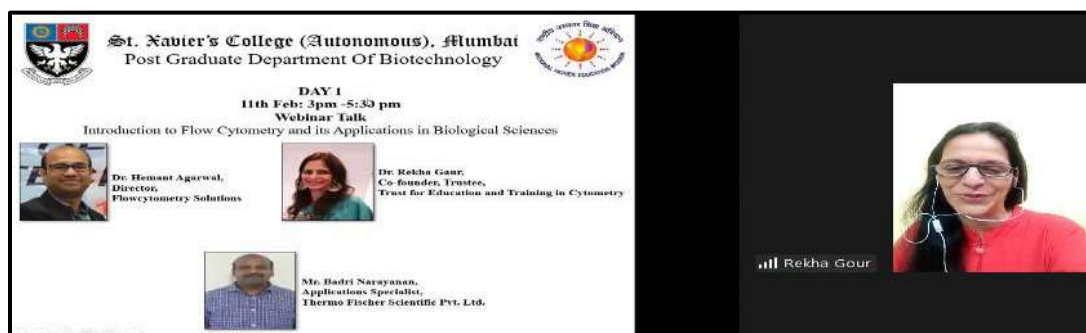
Inauguration of the webinar by the host, Ms. Aishwarya Chakraborty, MSc-II,



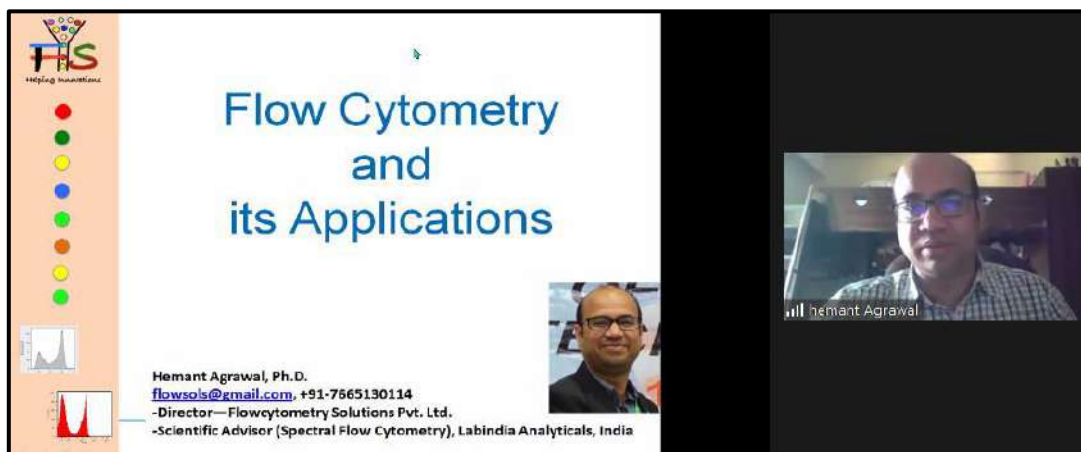
Principal Dr Rajendra Shinde and Head of Post Graduate Department of Biotechnology, Dr. Karuna Gokarn releasing 'Palindrome' - annual magazine



Palindrome 2020 magazine team along with Principal Dr Rajendra Shinde, Head of Department Dr Karuna Gokarn, Faculty members Ms. Norine D'souza, Dr. Shiney Peter, Dr. Punita Jain, department alumna Dr Antara Banerjee, webinar speakers Dr Rekha Gaur and Dr Hemant Agarwal



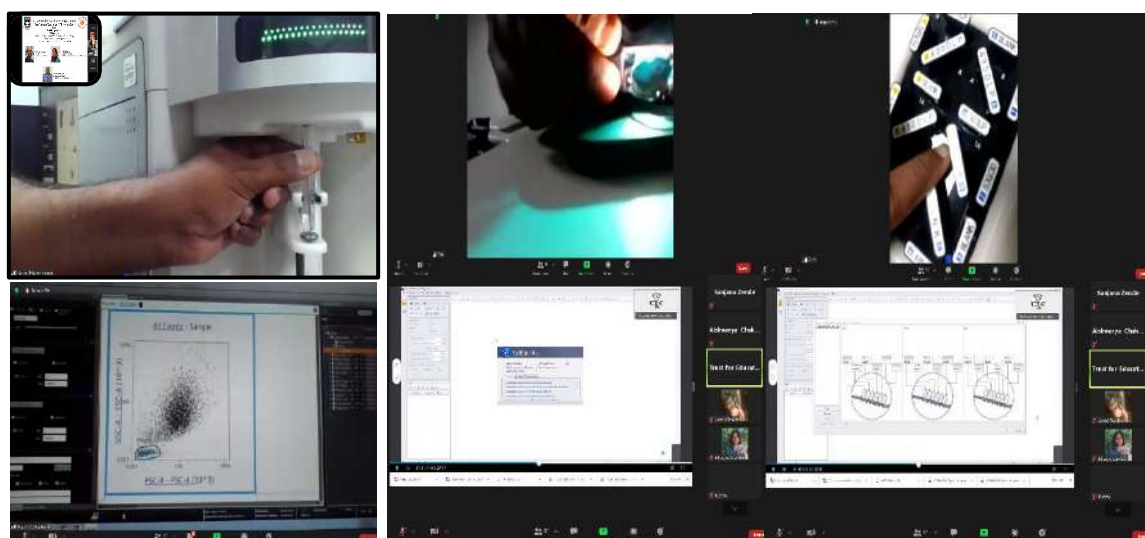
Webinar speaker Dr. Rekha Gaur



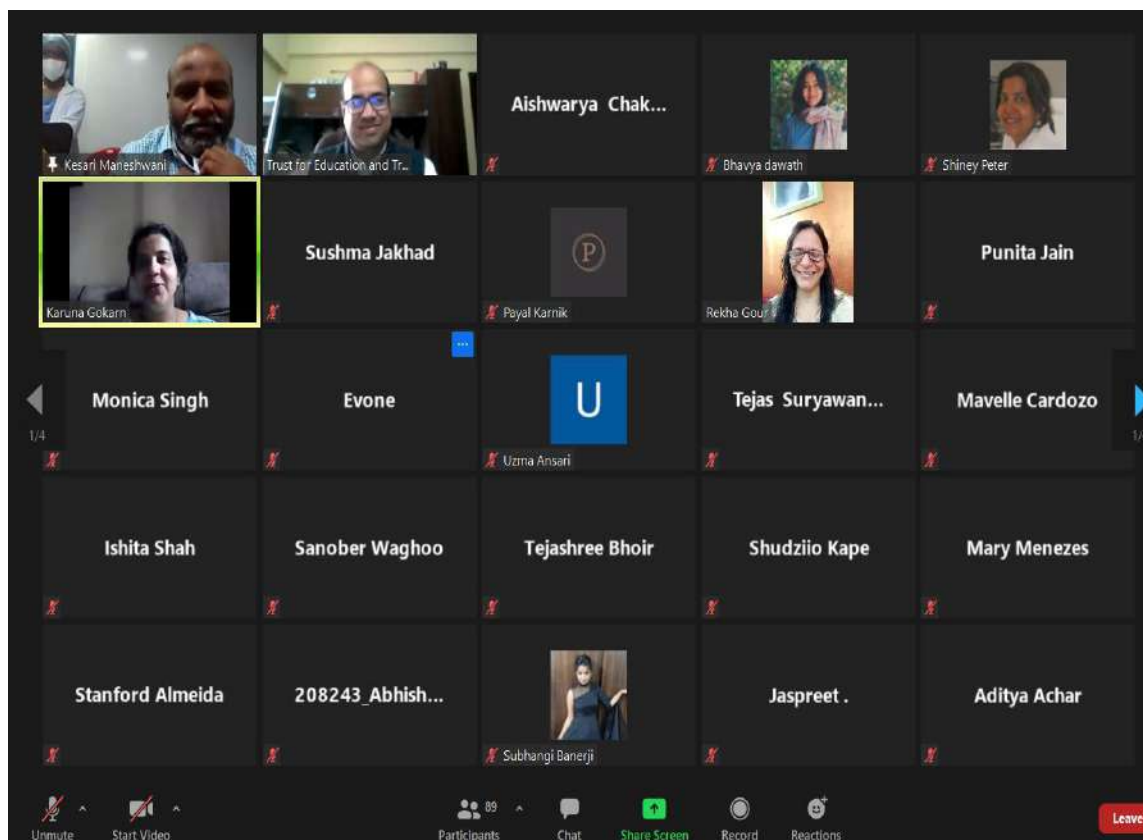
Webinar speaker Dr. Hemant Agarwal



Webinar speaker Mr. Badri Narayan demonstrating the workings of the flow cytometer



Day 2 Lab Session conducted by Mr Badri Narayanan and Dr Hemant Agarwal



Closing remarks given by Head of Post Graduate Department of Biotechnology, Dr. Karuna Gokarn



ST. XAVIER'S COLLEGE - AUTONOMOUS, MUMBAI
POSTGRADUATE DEPARTMENT OF
BIOTECHNOLOGY



‘DEMYSTIFYING A MULTIFACETED TOOL IN BIOTECHNOLOGY
RESEARCH- THE FLOW CYTOMETER’.
A TWO-DAY EXPLORATORY WEBINAR

REPORT

Date: 11th February 2021

Time: 03:00 pm-06:00 pm

Date: 12th February 2021

Time: 03:00 pm-06:00 pm

Online Platform: ZOOM Video Conferencing Platform

Department Coordinator: Dr. Karuna Gokarn, Vice Principal (Academics) and Head - Biotechnology

Webinar Resource persons:

- Dr. Hemant Agrawal, Director--Flowcytometry Solutions
- Dr. Rekha Gour, Co-Founder and Managing Trustee, Trust for Education and Training in Cytometry (TETC), India
- Mr. Badri Narayanan Natarajan, Applications Specialist, Thermo Fischer Scientific Pvt. Ltd.

Background:

“The more we know, the more we realise there is to know.”

- Jennifer Doudna, Nobel Laureate in Chemistry- 2020

For the past one year, the pandemic situation has changed the paradigm of learning among the students. Digital learning platforms have become a popular source of interaction and is evolving as a good pedagogical tool to foster learning, discussion, and collaboration with the experts in the field to keep up with emerging trends in the field.

Analytical techniques are integral for answering several questions arising in physical, chemical, and biological sciences. The emergence of high throughput technology has

facilitated exploring the vast biodiversity to understand their interactions, diseases, diagnostics, and therapeutics using a single platform, Flow cytometry is one such high throughput platform which helps in rapidly analysing a large number of samples at both community and single cell levels.

Objective of the Webinar:

- To provide a virtual exposure to the instrumentation, data acquisition and analysis and applications of Flow cytometry in Biology

Executive Summary:

Post Graduate Department of Biotechnology, St. Xavier's College (Autonomous), in collaboration with knowledge partners Flowcytometry Solutions and Trust for Education and Training in Cytometry, under the aegis of RUSA organised a two-day exploratory webinar on 'Demystifying a multifaceted tool in Biotechnological Research – The Flow Cytometer' on 11th and 12th February 2021 via Zoom, a video conferencing platform.

The webinar strived to train post-graduate students and Ph.D. research scholars on the basics and workings of a flow cytometer. It was attended by nearly 100 Post graduate students and PhD scholars from various parts of India namely, Maharashtra, Punjab, Tamil Nadu, and West Bengal.

The webinar was inaugurated by Principal, Dr. Rajendra Shinde and Dr. Karuna Gokarn, Vice Principal (Academics) and Head of the department. Dr. Rajendra Shinde and Dr. Karuna Gokarn released the annual department magazine, 10th edition, Palindrome 2020 on this occasion.

Webinar Day One:

Day one of the flow cytometry webinar commenced with Dr Rekha Gaur's kind words towards the collaborative effort undertaken by the webinar's organizers to impart students an opportunity to learn from experts of this field. It was followed by an in-depth, interactive lecture on the theoretical aspects of flow cytometry by Dr Hemant Agarwal. He went through the history of flow cytometry to the constituents of the machine and the principles behind its instrumentation. The type of data generated by a flow cytometer after sample analysis and its graphical representation was explained. The three major components of the flow cytometer – fluidics, optics and electronics were elucidated. Application of flow cytometry in numerous

fields of research were discussed. Day one of the webinar was concluded with the vote of thanks.

Webinar Day 2:

The lack of internet connectivity at the resource person's end did not hinder the learnings and instead of a live demonstration, pre-recorded videos of the flow cytometer were shown by Dr Hemant Agarwal. Later, Mr. Badri Narayan demonstrated different dichroic long pass and short pass filters and their application in customizing the optical configuration of the flow cytometer. Dr Hemant showed how QC process is carried out on the flow cytometry software CytExpert 2.1 and Mr Badri showed how the graphs are generated after a sample run. The importance of spill over concept and compensation adjustment that is required to achieve better data representation was shown by Dr Hemant. A quiz based on the concepts learned throughout the two-day webinar was conducted at the end of the day. Day two ended with closing remarks by Head of Post Graduate Department of Biotechnology, Dr Karuna Gokarn and Dr Rekha Gaur.

Learning Outcomes:

This webinar enabled students from various backgrounds to explore and understand aspects of Flow Cytometry as mentioned below:

- In depth understanding of Flow Cytometry instrumentation and applications
- Difference between FACS and Flow Cytometry
- Sample preparation and acquisition
- Working of the Filters within the instrument
- Data analysis
- Quality Check of data acquired.

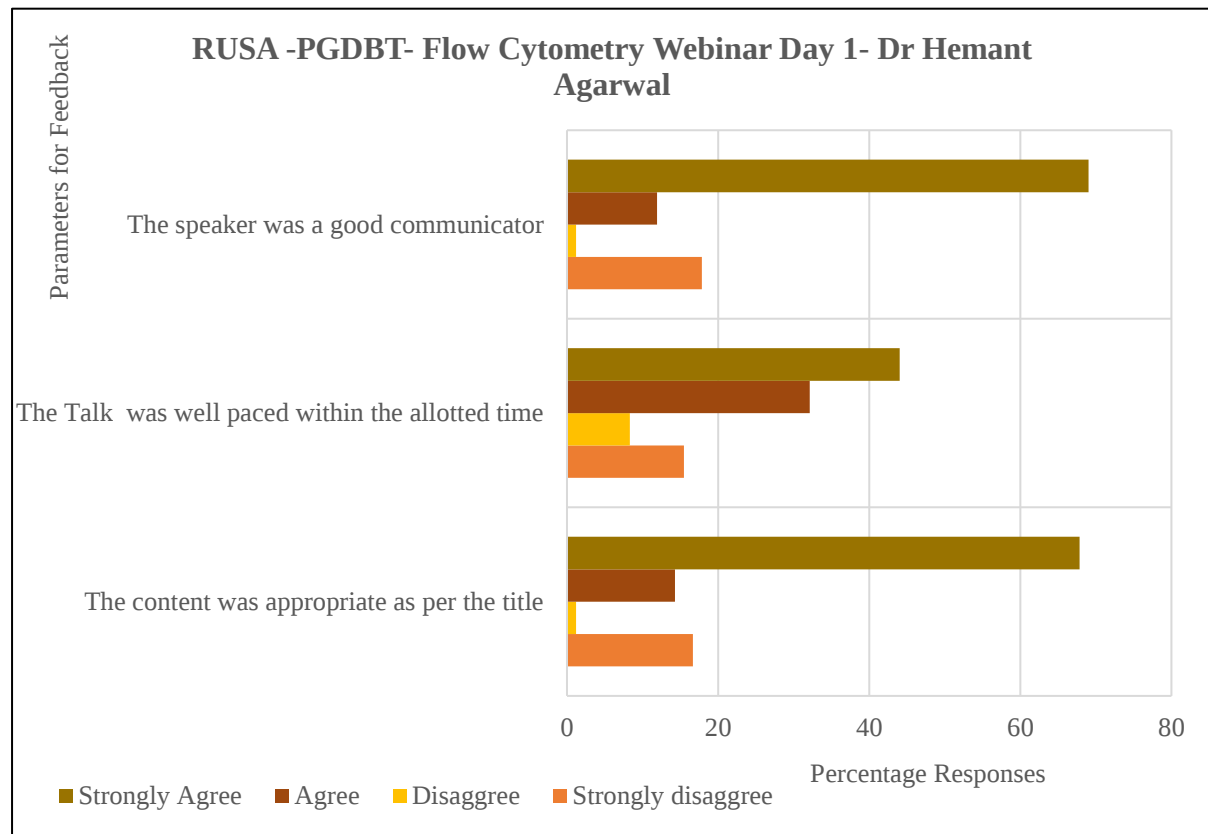
The sessions provided an insight into the applications of Flow Cytometry in current research, diagnosis and therapeutics and evoked their inquisitiveness towards the field.

Feedback Analysis:

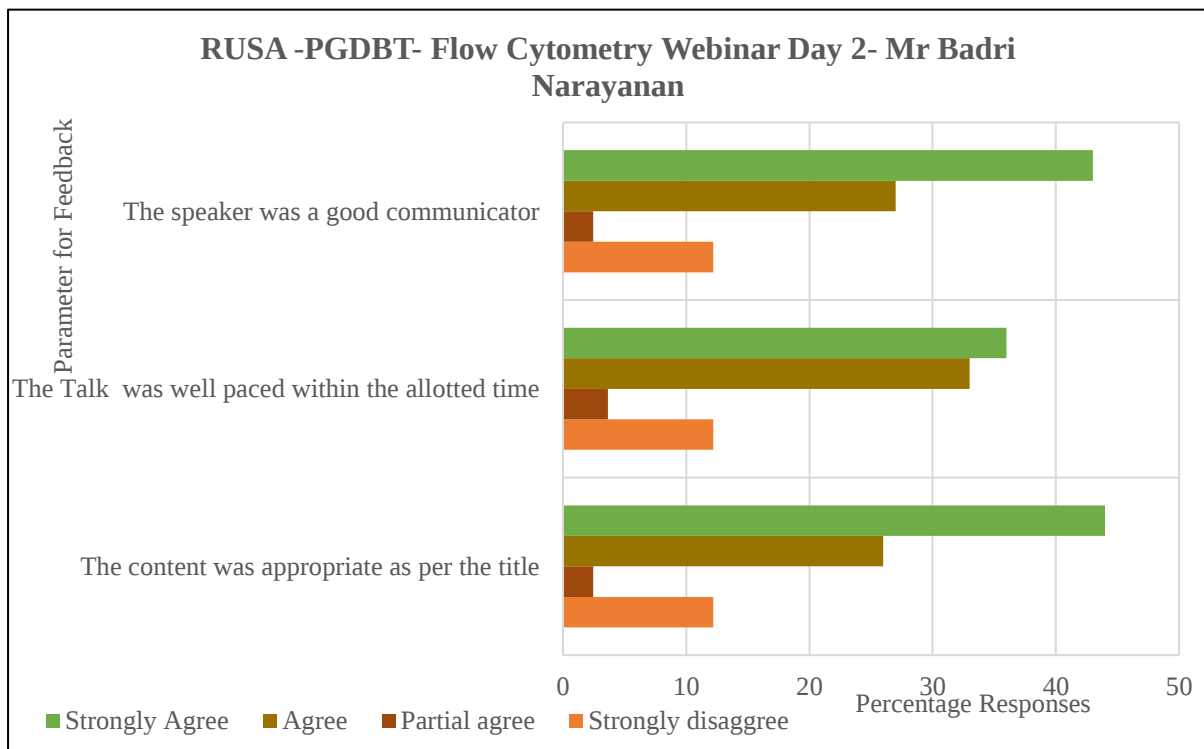
Online Feedback was collected using Google forms. A total of 84 participants responded to the questions on Day 1 and 82 participants responded on Day 2. The rest did not submit the feedback forms. The data obtained was analyzed using Microsoft Excel.

Webinar impressions:

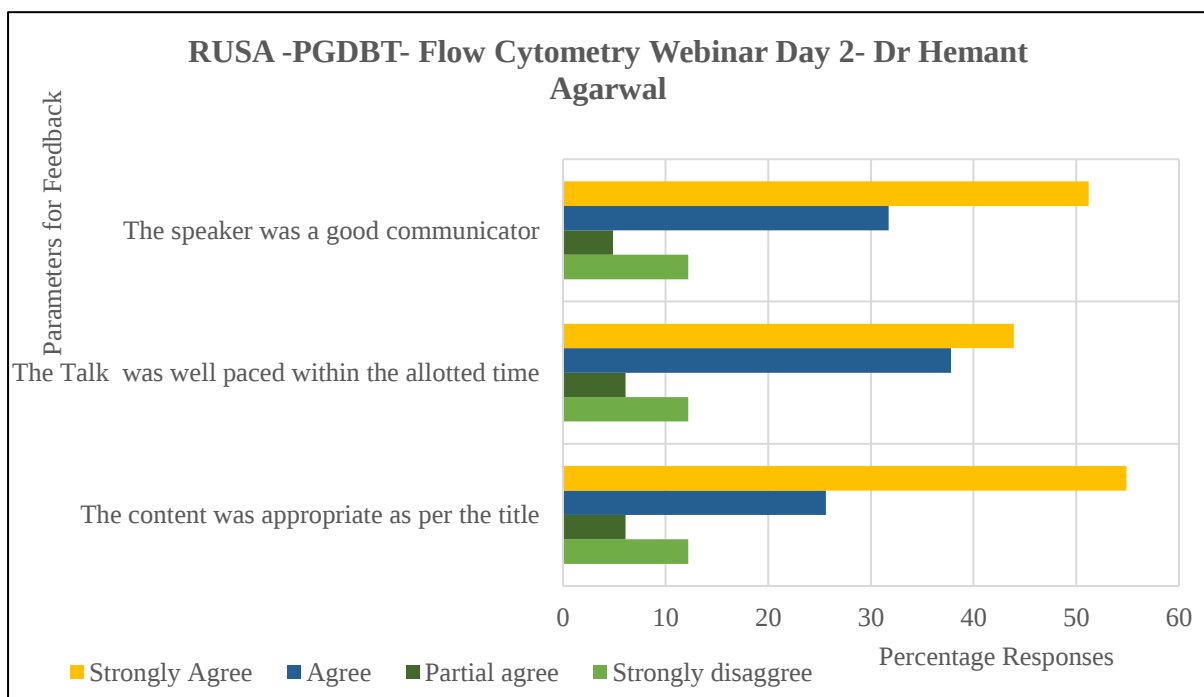
Day 1- Know your Cytometer- Dr Hemant Agarwal



Day 2- Lab Session- Mr Badri Narayanan Natrajan



Day 2: Data Analysis – Dr Hemant Agarwal



Overall Impression:

- 95% participants felt that the sessions fulfilled their expectations.
- 86% participants gave a rating of 10 on a scale of 10 for overall organisation and content.

Follow up action: Based on this feedback, organization of workshops on trending techniques and applications and continuous extended interaction with personnel of industry and academia will be facilitated for students.

Acknowledgements:

1. Dr. Rajendra Shinde, Principal, St. Xavier's College
2. HOD's of Departments of Botany, Life Sciences and Microbiology of St. Xavier's College (Autonomous), Mumbai.
3. Participants and student volunteers

Annexure:

1. Programme Flyer
2. Registration Details
3. Feedback form template
4. Certificate template
5. Photographs.

Data Analysis in R	Resource Person - Rohit Bhattacharjee		
	Program Coordinatoo- Piyali Unnikrishnan		
Name	Grade	UID	Honors/Non-Honors
Chitrangshi Biswas	A+	181404	Honors
Dhwani Shah	A+	181362	Honors
Mallika Rahane	A+	181161	Honors
Mitali Basole	A+	181395	Honors
Neha Dagade	A+	181368	Honors
Pamona Sharma	A+	181002	Honors
Pritika Nayak	A+	181267	Honors
Rebecca Koshy	A+	181352	Honors
Saksham sondhi	A+	181422	Honors
Samrudha Surana	A+	181351	Honors
Aarushi Tulsiyan	A+	181396	Honors
Benita Benny	A	181266	Honors
Dhwani Kataria	B	181024	Honors
Durga Shirsat	A	181098	Honors
Harneet Singh	A+	181272	Honors
Anoushka Surana	A	181403	Honours
Sanyam Gangwal	A	181425	Honours
Shubham Baldawa	A+	181334	Honours
Toshita Sahni	A	181144	Honours
Vaishnavi Dhas	A	181326	Honours
Vedant Shukla	A	181280	Honours
Sarah Ela George	A+	181146	Honours
Ashish Johnson	A	181285	Non-Honors
Jessica Singh	A+	181299	Non-Honors
Naveen Mathew	A	181277	Non-honors
Riya Bakshi	A	181406	Non-Honors
Veer Shah	-	181426	Non-honors
Vrunda Tipnis	A+	181279	Non-Honors
Emil Sam Thomas	A	181268	Non-Honors
Arushi Saranath	A+	181298	Non-honours
Sukhman Bewli	B+	181148	Non-Honours
Aditi Badade	A+	181245	Non-honours



ST. XAVIER'S COLLEGE

(AUTONOMOUS)

5, Mahapalika Marg, Mumbai - 400 001,
INDIA.

☎ 2262 0661/65

To Mr Rohit Bhattacharjee
Quant Fund Manager
Annet Fund Management

Dear Mr Rohit Bhattacharjee,

On behalf of the Department of Statistics, I thank you for conducting the workshop "Data Analysis in R" for our undergraduate TYBA students in the academic year 2020-2021. Your lecture was well appreciated and the students benefited greatly. Looking forward to further academic interaction with you.

Thanking you,

Prof. (Ms.) Myrtle. C. Fernandes
Head-Dept of Statistics
St. Xavier's College-Autonomous
Mumbai.



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5, Mahapalika Marg, Mumbai - 400 001,
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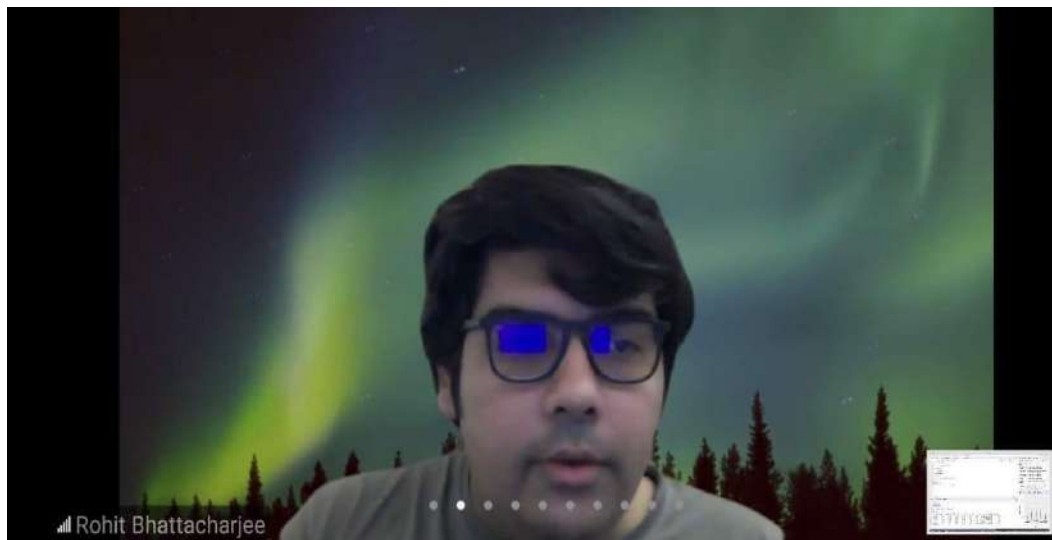
☎ 2262 0661/65

To Mr Rohit Bhattacharjee
Quant Fund Manager
Annet Fund Management

Dear Mr Rohit Bhattacharjee,
On behalf of the Department of Statistics, I thank you for conducting the workshop "Machine Learning in R" for our undergraduate students in the academic year 2020-2021.
Your lecture was well appreciated and the students benefited greatly.
Looking forward to further academic interaction with you.

Thanking you,

Prof. (Ms.) Myrtle. C. Fernandes
Head-Dept of Statistics
St. Xavier's College-Autonomous
Mumbai.



The "Data Analysis in R" course is a course on descriptive statistics. The course begins by teaching students how to import and manage high dimension datasets. We then focus on Exploratory Data Analysis (EDA) and spend significant time on data wrangling. Post that, different data visualization techniques are taught and finally, students learn how to clean and pre process data in order to get the results they want.

The whole course takes about 8 weeks, and regular assignments shall be given out to students as the weeks progress. Finally, student work on a real world data project and write end to end code in R as part of their final assessment.

Course 1: Data Analysis in R (Semester 5)

- Introduction to R and RStudio
- Exploratory Data Analysis
- Data wrangling and visualization
- Data cleaning and pre processing

Course 2: Machine Learning in R (Semester 6)

- Regression models
- Classification models
- Clustering models
- Introduction to Python or SQL or Excel

NOTE:

1. Both courses shall have regular homework assignments as well as a final project in R.
2. All students are requested to carry a laptop for each class (Windows / Mac / Linux)
3. No prior programming background is necessary. Two years of undergraduate statistics is desirable.

ROHIT BHATTACHARJEE

Jumeriah Lake Towers, Dubai, UAE

Email: rohitb1507@gmail.com | Mobile: +971 54747 9652 | Mobile: +91 98332 80905

WORK EXPERIENCE

Annet Fund Management, Dubai, UAE & Mumbai, India Jan 2018 – Present

Quant Fund Manager

- Research and develop quantitative investment strategies on the equity markets.
- Incorporated advanced statistical techniques including principal component analysis, signal filtering, step-regression, and volatility surface analysis into systematic trading strategies.
- Flagship fund has returned 14.5% net of fees as compared to a 4.5% return on the comparable benchmark index.

Annet Technologies, Dubai, UAE & London, UK Jan 2015 – Dec 2017

Annet is a boutique technology consulting firm, whose data science practice focuses exclusively on serving clients in the financial services and insurance sector.

Sr. Data Scientist (Full Time)

- Lead a team of 3 data scientists to conceptualize, build and deploy into production various machine-learning products for forecasting, predictions and automation in the banking, financial services and insurance space.
- Built a collaborative filtering algorithm to help a bank create a recommendation engine for rolling out its new line of credit cards. The model helps identify most relevant users for each card by learning from user demographics and transaction behavior. Card sales are up 12% post putting the model into production.
- Created a tree based forecasting model to predict daily cash withdrawals per ATM across a bank's network of 400+ ATMs, thereby leading to annual savings in excess of \$9 Million. Successfully deployed the same across two more banks in Dubai.
- Developed a customer churn model for a large insurance company in Abu Dhabi, to predict which customers were most likely to lapse on their renewals. The company's call center use these forecasts to target the right customers and renewal rates have risen by 8% YoY.
- Used macro economic data, credit bureau scores and transaction history to build a real time scorecard on Tableau for every customer on their true creditworthiness for a bank. The GBM algorithm allows the bank to give larger loans to customers (thus earning more interest), all while maintain a PD of less than 1%.
- Expanded on the above GBM model to identify which customers could be given an increase in credit card limit, thereby again increasing profits (here by 16%), while still keeping the same portfolio default rate.
- Built quantitative risk modeling frameworks across all of a bank's loan portfolios (Corporate, SME, Retail etc.) thereby meeting Central Bank regulations on Macro-Economic Stress Testing and IFRS9. All models developed (LM, GLM, Regularization, Elastic Net, ARIMA, ETS, GARCH) successfully satisfied regulators and auditors.
- Collaborated with a bank's internal IT team to create a fraud detection classifier (largely built on digit analysis and Benford's Law) to identify and stop fraudulent remittances from Dubai to high risk countries.

EDUCATION

London School of Economics, London, UK 2013-15

-MSc Statistics

-Core Modules: Time Series Analysis, Stochastic Process, Computational and Quantitative Finance, Derivatives, Insurance and Actuarial Mathematics, Quantitative Risk Management, R, Matlab.

St. Xavier's College, Mumbai, India 2010-13

-BSc Mathematics (minor in Statistics)

-Core Modules: Advanced Probability Theory & Distributions, Statistical Modeling, Operations Research, Financial Mathematics, Industrial Statistics, Linear Algebra, Multivariate Calculus, R, SQL.

TECHNOLOGY AND SKILLS STACK

- R (advanced), SQL (advanced), Matlab (advanced), Python (intermediate)

Machine learning in R

Sr no	Name	Uid no	Grade	Hub/ Non honors
1	Neha Dagade	181368	A+	Lingua
2	Saksham Sondhi	181422	C	Lingua
3	Anoushka Surana	181403	C	Lingua
4	Benita Benny	181266	A+	Lingua
5	Sanyam Gangwal	181425	C	Lingua
6	Aarushi Tulsiyan	181396	C	Lingua
7	Pritika Nayak	181267	C	Lingua
8	Harneet Singh	181272	C	Lingua
9	Toshita Sahni	181144	C	Lingua
10	Vaishnavi Dhas	181326	C	Lingua
11	Samrudha Surana	181351	C	Lingua
12	Shubham Baldawa	181334	A	Lingua
13	Rebecca Koshy	181352	A	Lingua
14	Chitrangshi Biswas	181404	C	Lingua
15	Mitali Basole	181395	C	Lingua
16	Mallika Rahane	181161	A+	Non-honours
17	Jessica Singh	181299	A+	Non-honours
18	Emil Thomas	181268	A	Non-honours
19	Vrunda Tipnis	181279	A	Non-honours

Design Thinking A Framework for Innovation

Mr Deepesh Singh
17th April, 2021
BMS Management Club

A novel idea or an innovative problem-solving technique is appreciated by everyone. The cognitive, strategic and practical processes by which design concepts (proposals for products, buildings, machines, communications, etc.) are developed is known as Design Thinking. Many of the key concepts and aspects of design thinking have been identified through studies, across different design domains of design cognition and design activity in both laboratories and natural contexts. Design Thinking is also associated with prescriptions for the innovation of products and services within business and social contexts.

Design Thinking follows a framework leading to innovations. This framework loops upon itself indicating a never-ending process of improvement. One defines the problem and understands why it is important, he empathises with it and understands its impact in human lives. Then you ideate solutions by processes like brainstorming, after which you create a prototype of the solution and then test the solution.

Thinking out of the box and getting out of one's comfort zone to solve problems is the crux of design thinking. One would have to tackle complicated issues by evaluating information he's gathered and organised. The ability to think analytically and creatively is important. From the information gathered one needs to draw a rational conclusion. Information unrelated to the problem needs to be eliminated based on deductive reasoning. Thinking has to be both convergent and divergent.

In the current pandemic, South Korean scientists were the first to understand the measures required to prevent the spread of the virus. They behaviour they asked their people to adhere to is now followed across the world. While we emulate good ideas, one also needs to understand that not every solution to a problem is universal in nature. A famous example of failed ideas would be glass buildings where such structures are predominantly used in colder regions to trap heat while emulating such ideas in countries like India, you end up with results one didn't intend to receive.

Apart from finding unique solutions to problems, design thinking can also be used to reduce costs of processes, conserve scarce resources and minimise processes. Companies which promote innovative solutions (sometimes at a higher cost) do end up achieving a better production process or result.

Mr Deepesh Shah went to cover examples about Design Thinking and innovations. The first novel idea can be traced back to the invention of the wheel. As a race, humans have achieved a lot since then. In India, we have cities like Chennai, Bangalore and Hyderabad leading technological innovations. The Ice Stupas in Ladakh, an invention of Sonam Wangchuk, helps villagers adapt to the climate and water crops in the Himalayas.

Companies like 3M took problems from the public and used innovative ways to search for a solution. Their invention of the Post-it or sticky notes is utilised across the world. The founder of the Grameen Bank, Muhammad Yunus, pioneered micro-finance and easy loans in Bangladesh enabling the poor to raise their standard of living. The Grameen Bank, based

entirely on trust between the bank and the debtor, sees the lowest rate of bad debts in the world. Mr Shah went on to explain the contributions of the global child rights activist Kailash Satyarthi and Shaheed Abdul Hameid (1965 war against Pakistan). A few other pioneers of innovative designs involve Henry Ford and his invention of the automobile assembly line, in cricket sportsmen like Kapil Dev, Sachin Tendulkar and MS Dhoni were innovative thinkers and found solutions in critical moments.

In conclusion, design thinking can be applied across fields and in every problem a person faces. Encouraging employees to come up with innovative solutions might take more time and resources, in the process failing is expected, but design thinking is a continuous loop where improvements take place constantly.

Design Thinking	
Conducted by The BMS Management Club	
Speaker: Mr. Deepesh Shah	
Sr. No	Name
1	Abin Benny
2	Akash Subramanian
3	Fareez Mirza
4	Maegan Muralia
5	Cassandra Barboza
6	Anora Pereira
7	Danica Pereira
8	Rhea John
9	Stiana Fernandes
10	Gauri Khutade
11	Johann Desouza
12	Rhea
13	Melvyn Brodie
14	Himja Behl
15	Jyothika Mary
16	Kimberly Crasta
17	Kuartina Britto
18	Daniel Borges
19	Angel D'souza
20	Vritti Shah
21	Nitika Fernandes
22	Radhika Vora
23	Tejasvini
24	Lionel
25	Samaksh Sarda
26	Carol Pereira
27	Aneeta Paul
28	Vansh Agrawal



THE BMS MANAGEMENT CLUB
DEPT. OF MANAGEMENT STUDIES, ST. XAVIER'S COLLEGE

DESIGN **THINKING**

Mr. Deepesh Singh

(Faculty; BSE, Idealabs, NMIMS, MU)



APRIL 17, 2021 | 5-6 PM
ZOOM ID: 95291101066 PSWD:555784

Recording...

You are viewing DS's screen

View Options

37:44View

Power of Design Thinking

A Innovative Problem Solving approaches

Click to add notes

Power of Design Thinking

What is Design Thinking?

Design Thinking is a process of creative problem solving that involves understanding the user, challenging assumptions, redefining the problem, creating innovative solutions, and prototyping and testing solutions.

Design Thinking is a process of creative problem solving that involves understanding the user, challenging assumptions, redefining the problem, creating innovative solutions, and prototyping and testing solutions.

Design Thinking is a process of creative problem solving that involves understanding the user, challenging assumptions, redefining the problem, creating innovative solutions, and prototyping and testing solutions.

Abin Benny

Fareez Mirza

Akash Subramanian

DS

Gauri Khutade

Rhea

Maegan Muralia

Rhea John

17/Danica Pereira/ 19...

Johann Desouza

Unmute

Stop Video

Security

Participants26

Chat

Share Screen

Pause/Stop Recording

Breakout Rooms

Reactions

More

End

**HONOURS CERTIFICATE PROGRAMME REPORT
AY 2020-2021**

	General Information of the Activity	
1.	Department and Hub	Caius Research Laboratory Biological Sciences
2.	Title of the Activity	Molecular Diagnostics- Today and Tomorrow
3.	Name of the Professor conducting the course	Dr. Priya Sundarrajan, Director, Caius Research Laboratory
4.	Name/s of the Resource person/s	Dr. Sachin Telang (Biomerieux) Dr. Saniya Deshmukh (IIT B) Mr. Anand Balasubramanian (Alumni of College) Dr. Priya Sundarrajan
5.	Name of the Dept Coordinator	Dr. Priya Sundarrajan
6.	Name of the Hub Coordinator	Dr. Priya Sundarrajan
7	Number of credits for the activity and number of hours	One
8	Number of students registered (Attach an Annexure A with Name, UID and Class)	17 (16 for honors, one non-honors)
9	Number of students completed the activity (Attach an Annexure B with Name, UID and Class)	17 (16 for honors, one non-honors)

	Details of the Activity
1	Title: Molecular Diagnostics- Today and Tomorrow
2	Description and Timeline: The program is aimed to give the students an insight into the various techniques used in the field of diagnostics. The areas covered were microbial, molecular, genetic and immunological methods of diagnosis of different diseases and disorders. The sessions held were seven sessions of 2 to 2.5 hours conducted in an online mode. The sessions were held on 26/02/2021, 28/02/2021, 12/03/2021, 2/04/2021, 10/04/2021, 20/04/2021, 28/04/2021. The students were also asked to attend additionally lectures by eminent speakers that were organized by different departments.
3	Evaluation Continuous and report at the end of the program
4	Feedback to assess the learning outcomes (Google form PDF as Annexure C or paste it here) attached as annexure C
5	Photographs/Photo Gallery (Given below)

Annexure A and B
(Number of students registered and completed were the same)

UID		EMAIL	Class		Grades
182380	Kareena Mehul Gala	kareenagala1411@gmail.com	TYBSc	LifeSc	A+
182218	Christine Angeline Michael Fernandes	christine.michael@xaviers.edu.in	TYBSc	Zoology/Biochem	B+
182149	Jyoti Varma	jyoti9varma@gmail.com	TYBSc	Chemistry	A
182342	D RACHANA	rachana.d@xaviers.edu.in	TYBSc	Micro/Biochem	B
192500	Jagruiti Dani	jaya2001dani@gmail.com	SYBSc	Micro/Chem	B
192655	Nadia Sheikh	196nadiasheikh@gmail.com	SYBSc	LSc/Chem	A
192267	Astha Sharma	astha.sharma@xaviers.edu.in	SYBSc	LSc/Chem	B
192231	Samriddhi Mishra	mishrasamriddhi513@gmail.com	SYBSc	Micro/Chem	B
192548	Avipsa Hazra	avipsa87@gmail.com	SYBSc	Micro/Chem	B
192377	Reva Biju	176.revabiju.192377@gmail.com	SYBSc	LSc/Chem	A
192635	Arunima Sharad Patil	arunima.patil@xaviers.edu.in	SYBSc	LSc/Chem	A
192289	Irin Ann Paul	irinannpaul01@gmail.com	SYBSc	Micro/Chem	B+
192083	Riona Rodrigues	155.rionarodrigues@gmail.com	SYBSc	LSc/Chem	A
192496	Fathima Ruba Merchant	faturuby@gmail.com	SYBSc	Micro/Chem	A
192636	Saloni Ganesh Diwate	salonidiwate@gmail.com	SYBSc	LSc/Chem	B
192649	SHRUTI S	192649.shruti@gmail.com	SYBSc	LSc/Chem	B
182029	Rayhaan Pais	rayhaan.pais@xaviers.edu	TYBSc	Zoology/Biochem	A

Dr. Saniya Deshmukh (Post Doc, IIT Bombay) – Gene Sequencing techniques

Dr. Deshmukh discussed various gene sequencing techniques, such as Sanger sequencing (chain-termination method), next generation sequencing (NGS) and sequencing by synthesis (SBS). The advantages, disadvantages and advancements of each technique were discussed. The steps in next-generation sequencing (sample processing, library preparation, sequencing and the use of bioinformatics) were discussed.

SBS was discussed in detail; the principles, advantages and procedure of pyrosequencing (which was new to me) was taught. Third-generation sequencing platforms such as Single molecular real time sequencing was introduced to us. Several genetic analysis methods (based on gene sequencing) such as single and multiple gene tests, whole exome sequencing and whole genome sequencing.

Reflection: Dr. Deshmukh was able to inform the entire class of the importance and interdisciplinary relevance of computer-based technology, coding and bioinformatics, no matter what field we choose to pursue. Before this lecture, I did not know of other sequencing methods apart from Sanger sequencing. Dr. Deshmukh was also kind enough to answer questions about protein-protein docking-based bioinformatics which I had asked her.

Dr. Priya Sundarrajan - The diagnoses of genetically inherited diseases

Dr. Sundarrajan's lectures included the principles and applications of karyotyping, various banding techniques and FISH. Karyotyping is a technique wherein chromosomes of an organism are paired up and arranged. This is very useful in determining chromosome-related disorders such as Down's syndrome and Turner's syndrome (there are many more disorders which can be diagnosed by analyzing a karyotype). Karyotyping involves a few basic steps which are collection of samples/specimens, culture initiation (usage of mitotic stimulants and growth factors), culture maintenance (5% CO₂), cell harvesting, staining and banding. The types of bandings discussed included G banding, Q Banding, R banding and C banding.

The concept of Fluorescent in-situ hybridization (FISH) was covered as well. FISH is a molecular cytogenetic technique that uses fluorescent probes which detect DNA sequences using complementary DNA probes which have fluorescent labels. The probes which are used for FISH are commonly classified on the basis of location and size. This method's advantages and limitations were discussed. We also briefly went over the techniques of I-FISH and CGH.

Reflection: I had always heard about different banding techniques, but I only knew the principle behind G-banding before this lecture. I had always known about the principles behind karyotyping and FISH, but never knew the intricacies of the procedures. When I start my MSc in Biomedical Sciences, I will surely be getting hands-on experience in karyotyping and the usage of FISH as well as the banding techniques taught by Dr. Sundarrajan. This lecture made my theoretical concepts clear and will assist me in my future studies.

Mr. Anand Balasubramanian - Immunodiagnostics and the immune system

Mr. Anand started his lectures off by explaining how we can gauge what kind of infections we have based on the levels of different WBCs in our bodies. He also gave us a basic overview of how our body reacts to pathogens and elaborated on the differences and similarities between innate and adaptive immunity. He went into detail about the MHC and antigen presentation. A topic that really caught my attention was polyclonal and monoclonal antibodies along with the differences between them. He then moved on to talk about the production of monoclonal antibodies and the steps involved in the same. The entire process of generating hybridomas by fusing myeloma and spleen cells and using HAT (hypoxanthine aminopterin thymidine medium) selection was very interesting.

In his section about immunodiagnostics, we learnt about the different types of ELISA techniques (direct, indirect, competitive, sandwich), southern blotting, western blotting and flow cytometry. We learnt about the usage of certain markers in flow cytometry such as FOXP3 and HLADR.

Reflection: Most of the topics covered by Mr. Anand was already known to me, but going into the details of flow cytometry and learning about new markers was extremely helpful as I will be focusing on immunology in my Master's degree. Learning about monoclonal antibody generation is always a delight and it is always nice to have revisions so that I do not forget my concepts.

Dr. Sachin Telang – Serological, Microbial and Molecular Diagnostics

Introduction:

The term 'diagnosis' refers to the identification and determination of a disease or syndrome through tests conducted or through examination of symptoms. Molecular diagnostics comprises a set of laboratory-based techniques which are used to analyze biological markers in patients, whereas immunological diagnostics rely on antibody-antigen associations. The purpose of diagnostic techniques is crucial, as in most cases they can help determine the causative agent of a particular infection. Subsequently, the most effective and appropriate method of treatment can be prescribed. Without diagnostic tools, undiagnosed patients could unknowingly transmit diseases to uninfected people. Understandably, diagnosis of diseases is of utmost importance, as early diagnosis of a disease or syndrome can prevent it from reaching a point where it cannot be treated.

Diagnostic techniques:

1. **Polymerase chain reaction (PCR):** PCR is a diagnostic technique which is widely used, and its purpose is to produce a large number of DNA copies, thus allowing these copies to be used sequencing or sometimes even for the purpose of being cloned into a plasmid. A typical PCR setup requires a DNA template, DNA polymerase (*Taq* polymerase is used), DNA primers, dNTPs and a buffer solution. However, there are

several modifications of PCR techniques which may require more than the
aforementioned requirements.

The basic steps of PCR include denaturation, annealing and extension. Denaturation involves the 'melting' or separation of the dsDNA template by heat (this step is done at around 94°C). The hydrogen bonds between complementary bases are broken and we get two ssDNA strands. Annealing involves the binding of the primers (two primers are used for each of the ssDNA strands) to each of the ssDNA templates. This step is carried out at a lower temperature (~55°C). The extension step involves DNA polymerase synthesizing a new DNA strand (complementary to the DNA template strand). The dNTPs mentioned in the requirements in a PCR setup are added in the 5' to 3' direction. After one cycle of PCR, two double-stranded sequences of target DNA are produced.

2. **Complete blood count (CBC):** CBC tests are used to evaluate a patient's overall health and can be used to detect (NOT definitively) several disorders. CBC can be used to detect possible underlying health conditions. A complete blood count measures RBCs, WBCs, hemoglobin, platelets, hematocrit levels and mean corpuscular volume. A typical CBC report will include a reference range and the patient's results. Understandably, if one's results are within the reference range, their test is normal. However, it is important to note that different labs may have different reference ranges.
3. **Urinalysis (urine analysis):** This test is used to detect a wide range of disorders such as improper kidney function, diabetes, UTIs, etc. In standard urinalysis, the colour, appearance, concentration and the contents of urine are checked. After a visual test, cloudy urine could indicate the presence of urinary tract infections. Sometimes, blood in the urine could also give it a cloudy appearance and this could indicate an enlarged prostate or the presence of kidney stones. The concentration of urine can be checked in order to determine whether a patient is suffering from diabetes. Dipstick tests are used to detect abnormalities in urine. A dipstick is a plastic stick which has chemical strips on it, and these chemical strips change colour when it comes in contact with certain abnormal constituents of urine. As an example, a dipstick test which tests positive for leucocyte esterase indicates pyuria. Microscopic examination of urine sediment can be performed as part of a urine analysis. Uric acid crystals, casts and even the presence of bacterial and yeast infections can be determined via microscopic analysis.

Screen Shots of the Sessions

Dr. Saniya Deshmukh's Session on Gene sequencing methods



Session by Mr. Anand Balasubramanian on Immunodiagnostics



Session by Dr. Sachin Telang

Pathology

Bacteriology Tests:

- a. Cerebro spinal fluid (CSF) Culture & Sensitivity
- b. Blood Culture, ID & Sensitivity
- c. Urine Culture, ID & Sensitivity
- d. Sterile body fluids(pericardial, synovial, intraocular fluid, peritoneal) Culture & Sensitivity
- e. Nasal swab Culture & Sensitivity
- f. Throat swab Culture & Sensitivity
- g. Sputum Culture & Sensitivity
- h. Eye (conjunctival) swab Culture & Sensitivity
- i. Ear swab Culture & Sensitivity
- j. Pus (wound) swab Culture & Sensitivity
- k. Aspirates from abscesses or deep wound Culture & Sensitivity
- l. Tissue & Biopsy Culture & Sensitivity
- m. Stool Culture & Sensitivity
- n. Stool FEME for ova and cyst (wet mount)
- o. High Vaginal swab Culture & Sensitivity

Mycobacteriology Test:

- Sputum for AFB detection
- Sterile body fluid (other than CSF) for AFB detection
- Drug Sensitivity

Serology Test:

- Anti -streptolysin 'O' test (ASOT)
- VDRL anti-treponemal screening
- Stool Rotavirus
- Dengue IgM/IgG
- HBsAg
- Anti-HBs
- Anti HBe
- Anti HCV
- HIV
- Mycoplasma
- Cytomegalovirus
- Toxoplasma



Dr. Sachin Telang



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Feedback Report

Marketing using Digital media

Class: TYBSc

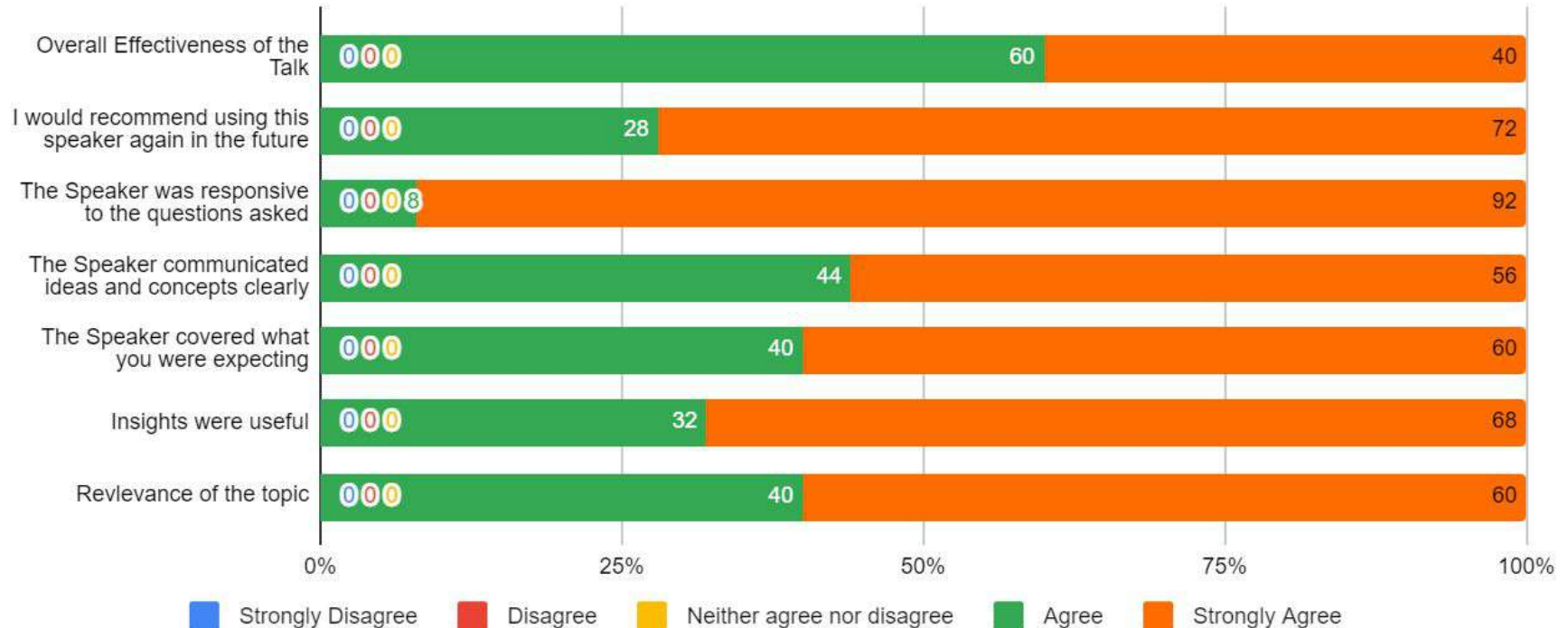
Year 2020-21

Total Number of Respondents: 25

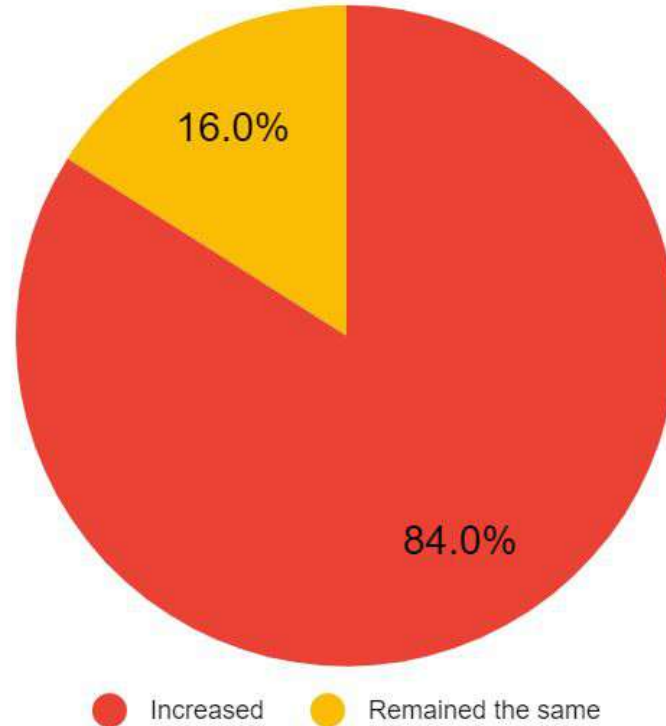
[Link for Responses](#)

Based on Resource Person

Values mentioned are in percentages



Your interest in the subject after attending the talk has



Suggestion

Overall duration of the course should be extended



ST. XAVIER'S COLLEGE
(AUTONOMOUS)
5, Mahapalika Marg, Mumbai - 400 001,
INDIA.
☎ 2262 0661/65

To,
Mr. Soumyadut Nag,
Insights Manager
Pepsi Lipton Unilever Ltd.

Dear Mr. Soumyadut Nag,

On behalf of the Department of Statistics, I thank you for conducting the workshop
“Digital Marketing” for our undergraduate students in the academic year 2020-2021.
Your workshop was well appreciated and the students have benefited greatly.
Looking forward to further academic interaction with you.

Thanking you,

Prof. (Ms.) Myrtle. C. Fernandes
Head – Dept of Statistics
St. Xavier's College – Autonomous
Mumbai.

The media business in India as mentioned by Times Group MD Vineet Jain's said in his speech at 15th Asia Media summit. "India is the most exciting media market in the world," while he touched upon convergence, Net neutrality, reforms, data security and more. All the relevant stakeholders also have stepped up their game in digital marketing space which makes it a fascinating time to consider digital marketing as a career option:

Government – In order to transform the entire ecosystem of public services through the use of information technology, the Government of India has launched the Digital India programme with the vision to transform India into a digitally empowered society and knowledge economy.

Institutions – Many institutions are nowadays introducing degree courses in digital marketing that has a practical approach. The academic courses are residential and online both.

Corporate – At exchange4media's Tech Manch, Sanjiv Mehta, CEO & MD, Hindustan Unilever spoke about 'The Changing Role of Marketing In Achieving Business Objectives ' "In the sphere of digital and marketing, it's not just that the former is going to influence only the marketing ecosystem as a whole but also the entire connected world will be significantly influenced by the fourth industrial revolution"

A course: 'Introduction to Media Basics' with special focus on 'Digital Media'. This will help the students be a step ahead of their competitors when they will face the crucial juncture of making a career choice in the near future.

The 8 hour course will cover the following:

- What is media? How is media planning done?
- Demystifying jargons like TRP, GRP, SOV, TVR, Reach, etc
- Golden rules of content
- Digital Marketing Basics
- Measurement of Media Effectiveness & Efficiency

SOUMYADUT NAG

Email id: itssoumyadut@gmail.com

Linkedin: <https://in.linkedin.com/in/soumyadut-nag-077b4614>

Mobile Number: +91-8879723355

HIGHLIGHTS

Consumer Insights Professional with more than 9 years of experience. Efficient team manager with problem solving skills who uses analytical approach to make decisions

PROFESSIONAL EXPERIENCE

Organization – Unilever

Insights Manager at Pepsi Lipton (UL-Pepsico JV), APAC – May 2020 till present

Roles & Responsibilities

- ◆ Craft market intelligence reports regarding new launches and competitor brands using Euromonitor, Mintel, etc to enable the marketing team in stronger decision making
- ◆ Drive Consumer Centricity program and culture into the region by leading activities and application to the multifunctional regional team
- ◆ Identify needs, develop and deploy annual research plan in partnership with GM, Business Directors and Marketing Director
- ◆ Support as insights for Strategic Planning (PSP) and Annual Operating Planning (AOP) for region ensuring proper consumer validation and quantification of core business opportunities and innovations

Assistant Manager Consumer & Market Insights – January 2018 till April 2020

Roles & Responsibilities

- ◆ Assimilate consumer insights on how people use media platforms and consume content and advertising on those platforms especially on digital media
- ◆ Evaluate media effectiveness of brand campaigns
- ◆ Handling a portfolio size of ~ 4500 Crores INR by working on some of the largest brands in Unilever haircare
- ◆ Help in-market execution of the projects using qualitative & quantitative research techniques. Provide actionable insights across all P's of marketing - proposition, product, pricing, pack, promotion and place

Organization – Kantar IMRB, Mumbai

Account Director – December 2015 till January 2018

Major Clients

- ◆ Clients across domains – FMCG, FMCD, Pharmaceutical, BFSI, E-commerce, Retail, Education, Auto, etc.

Roles & Responsibilities

- ◆ Handle key accounts, business development, client servicing and team management
- ◆ Provide insights and recommendations to aid decision making within the frame of marketing mix
- ◆ Frame research designs & drafting proposals for a wide range of studies ensuring feasibility in terms of both time and cost without compromising on the quality of deliverables
- ◆ Successfully manage a team to keep them inspired & motivated on professional front and take care of their work-life balance

Organization – Novozymes, Bangalore/ Copenhagen

Sustainability Business Analyst – April 2014 till December 2015

Roles & Responsibilities

- ◆ Advise our businesses on the global sustainability agenda, enabling them to align to our sustainable solutions to the global needs better
- ◆ Be the client interface to liaise with external research partners to execute various market research activities to understand the standing of own product v/s the competitor
- ◆ Spotting global and macro-economic trends to provide strategic feedback on competitor analyses, emerging trends, changing consumer behaviour to various stakeholders in the marketing team

- ◆ Develop sales kit for stakeholders to assist in pitching to prospective customers to identify new business opportunities

Organization – Fidelity Investments, Bangalore

Analyst, Market Insight – June 2013 till March 2014

Roles & Responsibilities

- ◆ Be the client interface to liaise with agencies to execute various market research projects
- ◆ Deliver quality intelligence for improved customer experience through market research

Organization – Kantar IMRB, Kolkata

Research Manager – April 2011 till June 2013

Major Clients

- ◆ FMCG companies having business in categories like personal care, tobacco, foods, etc.

Roles & Responsibilities

- ◆ Responsible for completion of the entire scope of any project:
 - Creating the proposal with optimum cost, post receipt of client brief
 - Designing the data collection tool (questionnaire)
 - Coordinating with field team to ensure timely completion of fieldwork
 - Communicating with Analytics team to receive the database
 - Delivering actionable insights on the alignment of consumer preference towards the various elements of marketing mix – product, packaging, pricing, positioning, communication, distribution etc. – depending on the project scope
 - Presenting the findings in a coherent presentation to the client

DATABASES HANDLED:

- ◆ Euromonitor Database
- ◆ Mintel Database
- ◆ Food and Agricultural Organization

ACADEMIC PROFILE

	Institute / School	Board	Year	Results
PGDM	KJ Somaiya Institute of Management Studies & Research, Mumbai	-	2011	65%
B.Tech (I.T.)	Netaji Subhash Engineering College, Kolkata	West Bengal University of Technology	2008	81%
HSC	South Point High School, Kolkata	West Bengal Council of Higher Secondary Education	2004	78%
SSC	South Point High School, Kolkata	West Bengal Board of Secondary Education	2002	85%

ACADEMIC ACHIEVEMENTS

- ◆ Achieved Certificate of Merit under National Scholarships Scheme for credentials in Class X Board Examination.

KEY PROJECTS

1. Summer Internship with TATA Steel: Market Mapping & Recommending Strategies for Branding of Hot Rolled Steel

Was rated “Excellent” in the project, the scope of which involved conducting a pilot survey among the retailers and OEMs based in various parts of West Bengal and basis the findings, recommending regarding the strategies for branding of Hot Rolled Steel. The project was mentored by Sandeep Tanwar

2. Concurrent Project with Aviva Life Insurance Company India Ltd. : K.J. Somaiya Institute of Management Studies and Research

Worked with Aviva Life Insurance Company India Ltd. to survey the environment and identify prospective Financial Planning Advisors for the company

3. Concurrent Project with Mahindra & Mahindra : K.J. Somaiya Institute of Management Studies and Research

Worked with Mahindra & Mahindra to survey the brand pull of Xylo. Project scope included identifying suitable respondents, interacting with them and obtaining the relevant data without formal interviews

4. Sales Information System at TATA Steel

Built a prototype for a user interface containing information of various products using Lotus Notes

ACTIVITIES

Co-Curricular Activities

- ◆ Took part in several business plan competitions with top honours in some

Extra-Curricular Activities

- ◆ Worked with an NGO in the field of adult education
- ◆ Was a part of the team that won the Pepsi local club football competition in 2006 in Kolkata
- ◆ Hobbies include playing cricket and football; and fish-keeping

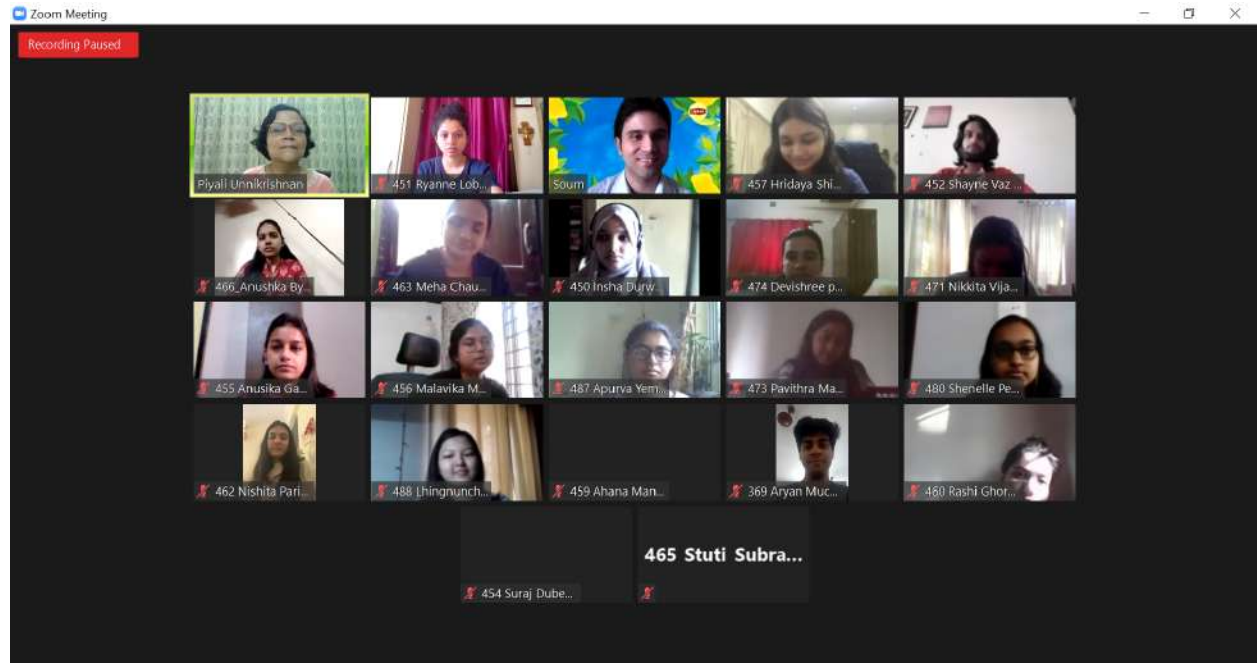
Digital Marketing
 Class- SYBSc
 Resource person- Soumyadut Nag
 Program Coordinatoor-Piyali Unnikrishnan

Uid no

	Name	Grades	Hub/ Non honors
192135	Ahana Mandal	A+	Lingua : Honors
192167	Anushka Byadagi	B+	Physical Science - Honors
192125	Anusika Gautam	B	Lingua : Honors
192350	Apurva Yemul	B+	Lingua: Honors
192282	Arnav Tankha	B	Lingua: Honors
192012	Aryan Muchhala	A	Lingua : Honors
192240	Devishree Panchal	B	Lingua : Honors
192128	Hridaya Shinde	A+	Lingua : Honors
192240	Insha Durwesh	A+	Physical Sciences: Honors
192511	Kashish Gandhi	B+	Lingua : Honors
192144	Kaveri Kayra	A	Lingua : Honors
192363	Lhingnunching Lhungdim	B+	Lingua : Honors
192317	Lydia Sylvester Dbritto	B+	lingua:honors
192126	Malavika Mampally	A	Lingua : Honors
192149	Meha Chauhan	B+	Lingua : Honors
192219	Nikkita Vijay	A	Lingua : Honors
192148	Nishita Parikh	A+	Lingua : Honors
192229	Pavithra Manoj	A	Lingua : Honors
192136	Rashi Ghorpade	B+	Lingua : Honors
192252	rohan mathew	A	Lingua: Honors
192650	Rutuja Shinde	B+	Lingua: Honors
192040	Ryanne Shavonne Lobo	B	Lingua : Honors
192080	Shayne Paul Vaz	A	Physical Sciences: Honors
192286	Shenelle Maegan Cecilia Pereira	A	Lingua : Honors
192163	Stuti Subramani	A	Physical Sciences: Honors
192112	Suraj Dubey	A+	Lingua : Honors

Digital Marketing - Honours Course					
Resource Person -Soumyadut Nag					
Coordinator -Piyali Unnikrishnan					
Sr. No.	UID	Name	Hub	Email ID	Phone No.
1	192511	Kashish Gandhi	LINGUA	kashish.gandhi12@gmail.com	9769121926
2	192112	Suraj Dubey	LINGUA	surajdubs12321@gmail.com	8080835297
3	199282	Arnav Tankha	LINGUA	arnavtankha6002@gmail.com	7675072973
4	192218	Rutul Garge		rutulgarge1@gmail.com	9999096251
5	192032	Insha Durwesh	SCIENCES	192032inshadurwesh@gmail.com	7977688313
6	192135	Ahana Mandal	LINGUA	ahana.mandal@xaviers.edu.in	9324183451
7	192363	Lhingnunching Lhungdim	Lingua-Humanities	nununlhungdim@yahoo.in	8450927740
8	192286	Shenelle Pereira	LINGUA	480.shenellepereira@gmail.com	7741006912
9	192148	Nishita Parikh	LINGUA	nishita.parikh@xaviers.edu.in	9766119590
10	192126	Malavika Mampally	LINGUA	n	9920394653
11	192167	Anushka Byadagi	PHYSICAL SCIENCE	anushka.byadagi@xaviers.edu.in	9702769493
12	192252	Rohan Mathew	LINGUA	rohanenoss203@gmail.com	7506553068
13	192219	Nikkita Vijay	LINGUA	nikkita.2001@gmail.com	9446527379
14	192650	Rutuja Shinde	LINGUA	rutujashinde393@gmail.com	8108608389
15	192229	Pavithra Manoj	LINGUA	pavithra.manoj@xaviers.edu.in	
16	192240	Devishree Panchal	LINGUA	om	8805335830
17	192149	Meha Chauhan	LINGUA	meha.dvs@gmail.com	7232822999
18	192144	Kaveri Kayra	PHYSICAL SCIENCE	kaveri.kayra@xaviers.edu.in	8299544519
19	192040	Ryanne Shavonne Lobo	LINGUA	ryanne5102@gmail.com	9821480339
20	192080	Shayne Vaz	Non-Honours	shayne.vaz@xaviers.edu.in	
21	192136	Rashi Ghorpade	LINGUA	rashi.ghorpade@xaviers.edu.in	
22	192128	Hridaya Shinde	Lingua	hridaya.shinde@xaviers.edu.in	8401181095
23	192163	Stuti Subramani	Physical Sciences	stuti05subramani@gmail.com	7024777009
24	192125	Anusika Gautam	LINGUA	anusika.gautam@xaviers.edu.in	8169092093
25	192350	Apurva Yemul	LINGUA	appu030102@gmail.com	9372854142
26	192317	Lydia Dbritto	LINGUA	lydia.dbritto@xaviers.edu.in	7410547092

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PUTTING YOUR BEST FOOT FORWARD: STRATEGIES FOR EFFECTIVE COMMUNICATION



A career development workshop for Undergraduate- and Masters students

Organized by: Department of Life Science and Biochemistry
St. Xavier's College-Autonomous, Mumbai



Resource Person:

DR RAMA SOUNDARARAJAN

Associate Professor

The University of Texas MD Anderson Cancer Center
Department of Translational Molecular Pathology

Join us to learn about:

How to write a CV/Resume, Research statement & SoP
&

How to improve your interview and networking skills

Date & Time:

29th May, Saturday 8.30–10.00 am

Registration link: <https://forms.gle/2RJ5Y4jwVVyyACNx9>

Register by: May 27, 8.00 pm

**Report of the
Career Development Workshop
Organized by: Dept of Life Science and Biochemistry
Date: 29th May, 2021
Resource Person: Dr Rama Soundararajan**

A career Guidance session was organized by the Dept of Life Science and Biochemistry by Dr Rama Soundararajan, Associate Professor at the the University of Texas MD Anderson Cancer Center, USA, on 29th of May, 2021. This session was an extension of the regular career guidance sessions organized by the department faculties. Dr Rama, who is an expert in this field and held several such sessions across different institutes in India and abroad, discussed how to write a good Statement of Purpose and Resume while applying for higher education. She also shared some important tips with the students about how to face an interview. The target audience ware the Masters and 3rd-year BSc students. A total of 75 students registered for the workshop, out of which 45 attended. The feedback on the workshop, given by the students through Google form, was very encouraging. They have benefitted a lot from this session.

Timestamp	Email Address	Full Name	Class	UID Number	What are your expectations from this workshop?
5-27-2021 19:46:53	annmariya.maliakkel@xaviers.edu.in	Annmariya Johnson	M. Sc	208505	Career options and internships and exams
5-26-2021 17:56:48	sanjana.krishnakumar@xaviers.edu.in	Sanjana Krishnakumar	M.Sc. Part 1	208520	To learn how to present myself as a good applicant for a course that I want to apply to.
5-26-2021 16:16:24	shaniapereira0402@gmail.com	Shania Pereira	Msc 1	208502	Understanding how to improve my communication skills along with finding the right career
5-27-2021 12:21:09	premal.mascarenhas11@gmail.com	Premal Mascarenhas	Msc 1	208525	how to write a resume
5-27-2021 12:45:29	madhurima.goswami@xaviers.edu.in	Madhurima Goswami	Msc 1	208523	What to include in SOP, general application procedure to universities
5-27-2021 19:46:42	jissmaria16@gmail.com	Jissmariya Johnson	MSc 1	208507	To be interesting
5-27-2021 19:58:10	jason.samuel@xaviers.edu.in	jason samuel	Msc 1	208518	.
5-27-2021 18:32:57	yukti.kanoi@xaviers.edu.in	Yukti Kanoi	MSc II	198508	to learn more about how to ace an interview
5-26-2021 12:46:12	john.jasmine@xaviers.edu.in	Jasmine John	MSc Part 1	208506	How to tackle interviews
5-26-2021 16:18:30	jewel.carvalho@xaviers.edu.in	Jewel Carvalho	MSc Part 1	208524	To get a better understanding of future job opportunities
5-27-2021 19:39:46	romila.aruj@xaviers.edu.in	Romila Marceline Aruj	Msc Part 1	208501	To look for more information and opportunities
5-27-2021 19:39:58	rutuja.kedare@xaviers.edu.in	Rutuja Kedare	Msc part 1	208519	Career guidance
5-27-2021 19:49:33	apeksha.petare@xaviers.edu.in	Apeksha Petare	MSc part 1	208512	Experience
5-27-2021 20:21:42	aditi.agarwal@xaviers.edu.in	Aditi Pawankumar Agarwal	MSc Part 1	208526	A clear idea about the avenues available for future
5-27-	violet.nunes@xaviers.edu.in	Violet	MSc Part	19851	Improving skills

2021 10:42:24		Nunes	2	3	for resume
5-26- 2021 11:25:16	neha.nachanolkar@xaviers.edu.in	Neha Nachanolkar	MSc Part I	208513	How to create an impressive CV and improve on networking skills.
5-27- 2021 21:11:51	disha.dhadve@xaviers.edu.in	Disha Dhadve	MSc part I	208517	.
5-27- 2021 12:08:54	miloni.shah4@xaviers.edu.in	Miloni Shah	MSc part-1	208514	Guidance about career prospects
5-27- 2021 12:23:35	kshirabdi.samant@xaviers.edu.in	Kshirabdi Taneya Singh Samant	MSc Part-I	208521	To learn writing CV, Resume, SoP, Research statement and know about interviews & networking
5-27- 2021 12:13:54	atharva.naik4@xaviers.edu.in	Atharva Yatin Naik	MSc pat 1	208515	Orientation which will give good knowledge
5-27- 2021 18:55:20	magdalenedsilva24@gmail.com	Magdalene D'silva	MSC- II	198504	.
5-26- 2021 12:07:36	nishita.suares@xaviers.edu.in	Nishita Suares	Msc-2	198518	To learn how to build a resumé and to learn a few tips on how to ace an interview.
5-27- 2021 18:48:03	alstra.pereira@xaviers.edu.in	Alstra Pereira	Msc2	198514	To improve my skills
5-26- 2021 19:46:02	officewalamaria@gmail.com	Maria Officewala	S.Y.B.Sc	192036	To guide me take future career steps.
5-27- 2021 9:35:55	chrissierosepromod@gmail.com	Chrissie Rose Promod	S.Y.B.Sc.	192054	Receive guidance on improving career prospects.
5-27- 2021 19:50:09	192041.wilintasequeira@gmail.com	Wilinta Sequeira	SY.Bsc.	192041	To level up my resume writing and communications skills
5-26- 2021 10:18:35	astha.sharma@xaviers.edu.in	Astha Sharma	SYBSC	192267	I need to file in my application very soon so I wanted a guidance about what all could be mentioned on resume and how to make it stand out. SOP is a very tricky business so I wanted to

					understand that as well
5-26-2021 10:23:17	192017.kaustubhmore@gmail.com	Kaustubh Kamlakar More	SYBSc	192017	Learn about possible opportunities in the field of research and associated skills
5-26-2021 10:31:06	rashidabharmal4593@gmail.com	Rashida Bharmal	Sybsc	192060	To get to know more about the opportunities
5-26-2021 11:20:23	arwadahodwala2220@gmail.com	Arwa Dahodwala	SYBSc	192044	Guidance
5-26-2021 11:26:42	flaviya192374@gmail.com	Flaviya shibu	Sybsc	192374	To be ready for obstacles before applying to a particular job
5-26-2021 11:56:09	doryl.infanta@xaviers.edu.in	Doryl Infanta	SYBSc	192376	Help me improve my communication skills, which is very important for interviews
5-26-2021 12:03:59	154.devikarege@gmail.com	Devika Rege	SYBSc	192082	Learning about SoP writing, research statement
5-26-2021 15:21:37	gloria.singh@xaviers.edu.in	Gloria Singh	SYBSc	192069	To be able to write an effective SoP and present myself in the best manner possible through my resume
5-26-2021 17:56:12	sanskriti.agarwal@xaviers.edu.in	Sanskriti Agarwal	SYBSc	192248	Building an outline for my future career, selection of courses, CV building
5-26-2021 18:00:44	sanskriti.agarwal@xaviers.edu.in	Sanskriti Agarwal	SYBSc	192248	Outlining my masters plan, cv building and interaction during interviews
5-26-2021 19:14:49	meghna.vinodan@xaviers.edu.in	Meghna Vinodan	SYBSc	192211	To know more about the approach that needs to be taken while applying for Masters
5-27-2021 9:26:29	yashbhandare140201@gmail.com	Yash Bhandare	SYBSc	192495	To understand about different document required for application like sop, how interviews are

					conducted etc
5-27-2021 10:11:56	ananyap00144@gmail.com	Ananya Pandey	SYBSc	19253 6	Insights into what universities look for in students while applying aboard, in terms of the SoP, the resume etc.
5-27-2021 14:13:08	157.ketakisandu@gmail.com	Ketaki Sandu	SYBSc	19211 5	want to learn about the career options available in the field of life science
5-27-2021 18:32:56	169orchishmamukherjee@gmail.com	Orchishma Mukherjee	SYBSc	19234 1	help with career related queries
5-27-2021 18:36:09	155.rionarodrigues@gmail.com	Riona Rodrigues	SYBSc	19208 3	Resume writing and interviewing skills
5-27-2021 18:45:26	nehasane192162@gmail.com	Neha Sane	Sybsc	19216 2	To find out future options in the field we are studying in
5-27-2021 18:46:28	180.sweedaldias.192388@gmail.com	Sweedal Dias	SyBsc	19238 8	Learning about some application procedures and how to better navigate through them
5-27-2021 18:47:31	192649.shruti@gmail.com	Shruti S	Sybsc	19264 9	To improve my networking skills and have a better idea of how to approach someone for research work
5-27-2021 19:02:53	mariya.antony@xaviers.edu.in	Mariya Antony	SYBSC	19236 0	To know the future scopes and the application of the topics which we study in future aspect.
5-27-2021 19:51:56	dcruzangella31@gmail.com	Angella D'Cruz	SYBsc	19203 9	I hope this workshop helps me choose the right career path
5-27-2021 19:56:07	192635arunimapatil@gmail.com	Arunima Patil	SyBsc	19263 5	Know essential communication basics required in the field
5-27-2021 20:06:39	161.ayushibhargava@gmail.com	Ayushi Bhargava	SYBSc	19215 1	Resume and SOP writing tips
5-27-2021 20:15:59	192387.kerensarumao@gmail.com	Kerensa Vijay Rumao	SYBSC	19238 7	Developing the skills to achieve the desired career.
5-27-	188.hridayasaxena@gmail.com	Hriday	SYBSc	19251	A better

2021 21:02:28		Saxena		6	perspective about future studies
5-27-2021 21:07:09	196nadiasheikh@gmail.com	Nadia Sheikh	SYBSc	192655	To help me prepare for the future
5-27-2021 22:01:35	angelrosevembil@gmail.com	Angel Rose Anto Vembil	SYBSC	192343	Good guidance
5-27-2021 10:49:35	181.aliciamascarenhas.192420@gmail.com	Alicia Mascarenhas	SYBSc	192420	To understand how to write a SoP and CV
5-26-2021 10:32:48	christy.puthuparampil@xaviers.edu.in	Christy Moncy	SYBSc	192472	To acquire resume and SOP writing skills.
5-27-2021 10:46:17	menessasereng@gmail.com	Menessa Mundu	SYBSc	192368	to understand the process of things required to do after bachelor's degree
5-27-2021 18:39:32	crasto.lionel192065@gmail.com	Lionel Crasto	SYBSc	192065	enhancing interview skills
5-27-2021 18:43:14	dsouzaswedel00@gmail.com	Swedel Dsouza	SYBSc	192379	Resume writing , how to be ready for an interview
5-27-2021 18:45:59	guptasampreeti@gmail.com	Sampreeti Gupta	SYBSc	192529	Career options after life sciences
5-27-2021 19:13:49	mitali.joshi@xaviers.edu.in	Mitali Joshi	SYBSc	192093	Find out about career options in the field that are not about just researching. (for example something different like scientific illustrations and animation, neuromarketing, management/finance side of science.)
5-27-2021 19:51:12	edlynsinate416@gmail.com	Edlyn Sinate	SYBSc	192375	To gain clarity on what is expected in applications
5-27-2021 19:53:29	khyateeshah2001@gmail.com	Khyatee Shah	SYBSc	192143	To gain more clarity about the future
5-27-2021 20:17:12	192533.soniavarghese@gmail.com	Sonia Varghese	SYBSc	192533	To get guidance on how to write a SoP and CV, to get a general overview on the types of paths

					one can opt for after attaining a bachelors degree in life science.
5-26-2021 12:43:02	shagun.soni@xaviers.edu.in	Shagun Soni	SYBSc	19255 9	Learning how to write better for applications?
5-27-2021 18:43:58	182.shania.192424@gmail.com	Shania Corriea	Sybsc	19242 4	Possible job opportunity
5-27-2021 19:10:38	192133.gayatriramakrishnan@gmail.com	Gayatri Ramakrishnan	SYBSc Life Science and Biochemistry	19213 3	CV/Resume/SOP writing, some tips to get better at giving interviews
5-27-2021 11:40:03	kenneth.pinto@hotmail.com	Kenneth Pinto	T.Y.B.Sc.	18229 3	To understand how to draft an SoP and research statement and the technicalities associated with them.
5-26-2021 10:43:25	arjun.udupa@xaviers.edu.in	Arjun Udupa	TYBSc	18218 4	To better and reinforce skills
5-26-2021 13:38:00	kevinfdes31@gmail.com	Kevin Fernandes	TYBSc	18248 1	none. Any info would mean a lot, nothing specific
5-26-2021 21:40:24	grissellopez2000@gmail.com	Grissel Lopes	TYBSc	18241 9	Knowledge about some alternative careers in biological sciences.
5-27-2021 11:17:57	fernandeslianne4@gmail.com	Lianne Fernandes	TYBSC	18228 0	learning more about networking skills
5-27-2021 11:44:06	sashaferns3112@gmail.com	Sasha Kimberley Fernandes	TYBSc	18200 9	SOP Writing, CV, Interview skills
5-27-2021 11:40:21	shannonrodriques15@gmail.com	Shannon Rodriques	TYBSc Life Science	18249 1	A better understanding of different career paths

Putting Your Best Foot Forward: Career Development workshop Feedback-29th May, 2021

* Required

1. Name as you require on the certificate *

2. Your Email ID

3. Class *

4. How satisfied were you with the event? *

Mark only one oval.

	1	2	3	4	5	
Not very	☐	☐	☐	☐	☐	Very much

5. How relevant and helpful was this session for you to prepare for an academic/job application or interview? *

Mark only one oval.

	1	2	3	4	5	
Not very	☐	☐	☐	☐	☐	Very much

6. Please give comments about the resource person *

Mark only one oval per row.

	Poor	Average	Good	Excellent
Voice and Clarity of speech	☐	☐	☐	☐
Effectiveness in conveying the topic	☐	☐	☐	☐
Creating participant's interest	☐	☐	☐	☐

7. Please give comments about the organization of the session. *

Mark only one oval per row.

	Poor	Average	Good	Excellent
Online experience	☐	☐	☐	☐
Time of the session	☐	☐	☐	☐
Event intimation and communication	☐	☐	☐	☐

8. What were your key take away from this event? *

9. Any overall comment for the event?

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BASIC & ADVANCED EXCEL – Prof. N.R. Hegde

(for FY BSc students)

ONE COMBINED CERTIFICATE FOR BASIC & ADVANCED EXCEL

Module – 1: Basic Course in MS Excel (Using Data analysis tool pack)

Objective of the course :

In this modern technological era ,data analysis using statistical soft wares is the need of the hour. Data analysis using statistical software has several benefits such as :

- + Increase in speed of analysis and accuracy
- + Ease of calculation
- + Convenience
- + Time saving
- + Cost saving

Technical Know how : MS Excel is general package, even though it is required to install Data Analysis Tool pack i.e. inbuilt in MS Excel.

Outcome of the course :

At the end of the course participants will be able to implement their data analysis skills effectively and they will be familiar with some of the statistical tools.

Synopsis :

1. Installation of Data Analysis Tool Pack
2. Introduction to MS Excel
3. Inputting data in Excel
- 4.Descriptive Statistics: Mean ,Median and Mode , quartiles ,deciles , percentiles, standard deviation and coefficient of variation.
- 5.Diagrams : Pie diagram ,bar diagrams
- 6.Probability distributions : Binomial ,Poisson , Normal and Exponential
7. Linear Correlation and Regression including scatter plot

Number of Hours :

10 Hours including practical sessions and hands – on training in MS Excel

Module – 2: Advanced course in MS Excel (Using Data analysis Tool pack & solver and Tora

Objective of the course :

This course is designed to study some of the advanced features of Excel in data analysis using advanced statistical techniques.

Outcome of the course :

At the end of the course participants will be able to implement their data analysis skills effectively using advanced features of Excel and they will be familiar with advanced statistical tools.

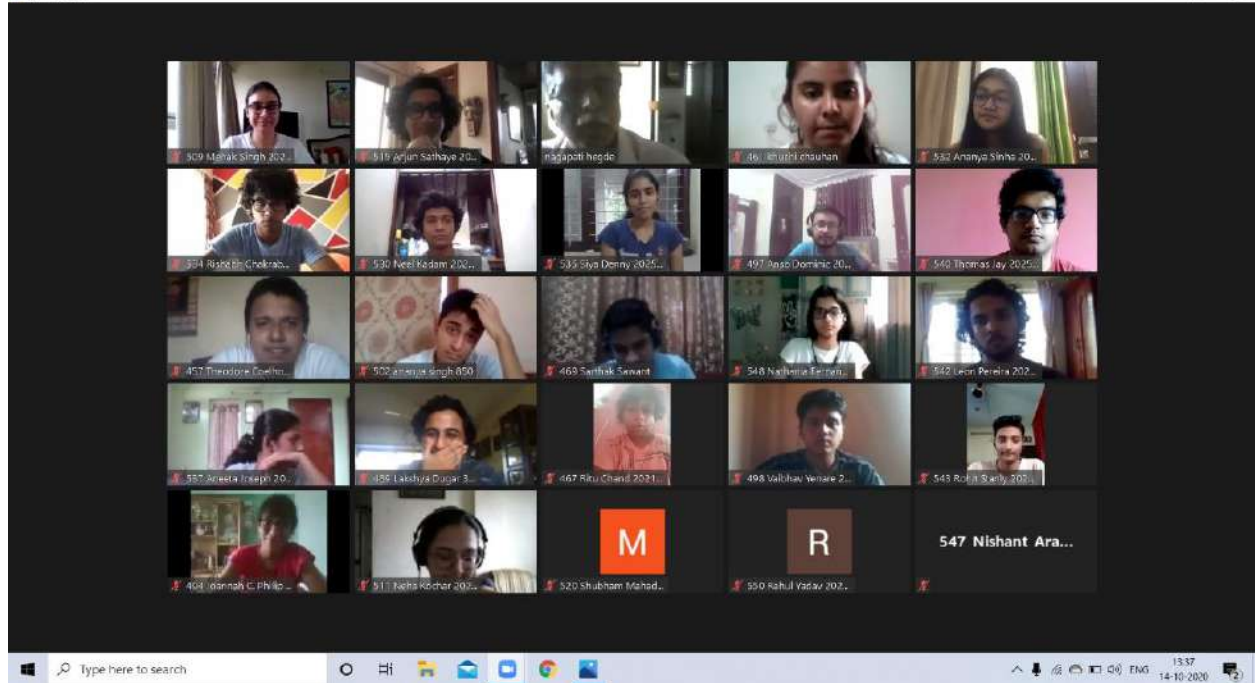
Synopsis :

1. Installation of Excel solver
2. Multiple regression : Fitting of multiple regression line , finding of predicted values and residual values
3. Testing of hypothesis : single sample t test, double sample t test, paired t test , chi square test
4. Linear programming problems using graphical , Simplex method and integer programming , Assignment problems , Transportation problems
5. Some of the important functions in Excel : if , Look-up , countif , countifs
6. Simulation modeling

Number of Hours :

15 Hours including hands – on training in Excel

S.No	Roll No Name	UID
1	457 Theodore Coelho	202001
2	461 Khushi Chauhan	202019
3	467 Ritu Chand	202183
4	469 Sarthak Sawant	202192
5	479 Udbhav Verma	202350
6	481 Soumitri Debroy	202354
7	485 Aarushi Jugran	202370
8	489 Lakshya Dugar	202388
9	494 Joannah C. Philip	202585
10	497 Anso Dominic	202591
11	498 Vaibhav Yenare	202729
12	499 Gauransh Srivastava	202838
13	501 Aditi Mohunta	202844
14	509 Mehak Singh	202003
15	511 Neha Kochar	202009
16	512 Eashan Jairam	202013
17	514 Afzal Rahman Shaikh	202169
18	515 Arjun Sathaye	202171
19	517 Anjali Warriar	202173
20	520 Shubham Mahaddalkar	202181
21	522 Dhruvi Sonigara	202188
22	526 Fahad Abdulazeez (Fahad Abdulazeez)	202321
23	527 Tanushree Khaitan	202323
24	528 Jahnvi Agarwal	202325
25	530 Neel Kadam	202330
26	531 Aryaman Raj Verma	202331
27	532 Ananya Sinha	202332
28	533 Gopal Agarwalla	202345
29	534 Rishabh Chakraborty	202347
30	535 Siya Denny	202553
31	536 Lilly Rose Jose	202558
32	537 Aneeta Joseph	202559
33	538 Manuel Sebastian	202562
34	540 Thomas Jay	202571
35	541 Shreeya R Thomas	202573
36	542 Leon Pereira	202574
37	543 Rohit Stanly	202579
38	546 Bridget Praisys	202592
39	547 Nishant Aranha	202597
40	548 Nathania Fernandes	202599
41	550 Rahul Yadav	202699
42	552 Arya Patil	202918
43	553 Sonali Gawade	202906
44	502 Ananya Singh	202850



A screenshot of a Zoom meeting grid showing 25 participants in a 5x5 layout. The participants are arranged in a grid, with some names partially visible. The bottom row contains two placeholder tiles with the letters 'M' and 'R' on orange and brown backgrounds respectively, followed by a tile for '547 Nishant Ara...'. The bottom status bar shows the Windows taskbar with a search bar, system icons, and the date/time '14-10-2020 13:37'.

Participant Name	Participant Name	Participant Name	Participant Name	Participant Name
509 Malak Singh 202...	516 Arjun Sathya 202...	Madapati Hegde	de... anupri chauh...	552 Aranya Sinha 20...
514 Rishabh Chakrab...	530 Neel Hadam 202...	535 Siva Denny 2025...	497 Anas Dominic 20...	540 Thomas Jay 2025...
457 Theodore Coelho...	500 Ananya Singh 050	468 Santhak Sewart	548 Nishita Farquhar	542 Leon Pereira 202...
557 Aneta Joseph 20...	556 Lakshya Dugar 3...	467 Ritu Chand 2021	498 Valluvar Venise 2...	543 Rishi Saini 202...
464 Anand C. Philip...	511 Jyoti Kocher 202...	520 Shubham Mahad...	539 Rahul Yadav 202...	547 Nishant Ara...

Sr. No.	UID	Roll No	Name	Grade	
1	202001	457	Theodore Coelho	A+	
2	202003	509	Mehak Singh	A+	A+ : 85% & Above
3	202009	511	Neha Kochar	A+	A : 75% to Less than 85%
4	202013	512	Eashan Jairam	A+	B+ : 70% to Less than 75%
5	202019	461	Khushi Chauhan	A+	B : 60% to Less than 70%
6	202169	514	Afzal Rehaman Sheik	A+	C : Less than 60%
7	202171	515	Arjun Sathaye	A+	
8	202173	517	Anjali Warriar	A	ONE COMBINED CERTIFICATE FOR BASIC & ADVA
9	202181	520	Shubham Mahaddalkar	A+	
10	202183	467	Ritu Chand	A+	
11	202188	522	Dhruvi Sonigara	A	
12	202192	469	Sarthak Sawant	B+	
13	202323	527	Tanushree Khaitan	A+	
14	202330	530	Neel Kadam	A+	
15	202331	531	Aryaman Verma	A	
16	202345	533	Gopal Agarwalla	A+	
17	202347	534	Rishabh Ckakraborty	A+	
18	202354	481	Soumitri Debroy	B	
19	202388	489	Lakshya Dugar	A+	
20	202553	535	Siya Denny	A	
21	202559	537	Aneeta Joseph	A+	
22	202571	540	Thomas Jay	A	
23	202573	541	Shreeya Thomas	C	
24	202585	494	Joannah Phillip	A+	
25	202591	497	Anso Domonic	A+	
26	202592	546	Bridget Praisys	A+	
27	202597	547	Nishant Aranha	A	
28	202599	548	Nathania Fernandes	A+	
29	202729	498	Vaibhav Yenare	A+	
30	202838	499	Gauransh Srivastava	A	
31	202850	502	Ananya Singh	C	
32	202906	553	Sonali Gawade	A+	
33	202918	552	Arya Patil	A	
34	202558	536	Lilly Rose	B	

Intellectual Property Rights

Ms Ragini Shah
19th April, 2021
BMS Management Club

Intellectual property rights are the rights given to persons over the creations of their minds. They usually give the creator an exclusive right over the use of his/her creation for a certain period of time.

Having a foundational knowledge of Intellectual Property Rights is important for every business. One can face simple hurdles such as registering a website under a certain domain name to complex ones where your competition emulates your processes or practices causing you to lose out.

The topics Ms Ragini covered in the session were, Trademarks, Patents and Designs and Copyrights.

Trademarks are names or logos which instantly make a consumer think about a particular company or source of product. Famous trademarks are Bajaj and McDonald's. With a trademark, a company cannot produce a product under the name of another company or brand in the same industry. While companies do have protection in their own industries, some even have protection from the use of their marks across industries. These special trademarks are known as 'Established Trademarks'. Trademarks are divided into different classes in order to provide protection to products. Trademarks protect a brand from phonetically similar names as well.

A trademark is valid for a period of 10 years after which it can be renewed for another 10 years. When it comes to filing for a trademark, the individual or company which used the mark first gets the Trademark and it doesn't depend on who files for the trademark first. This is to protect the creator of the mark. Trademarks are important as they help consumers of a brand's products distinguish it from other products. A company's CEO or founder can file for the trademark under his name in case he would like to withdraw its use from the company sometime in the future. The process for filing for a trademark is very quick and inexpensive. They are easily transferable from one individual to another.

Patents and Designs though separate concepts usually go hand in hand. While designs last for a shorter period of 15 years, Patents last longer i.e., for 20 years. Usually when one files for a Design for a product, they also file a patent for the technical element in the product.

Patents and designs are useful for start-ups as it helps them correctly estimate the value of the company during acquisition. Patents are sensitive to 'first to file' claims and hence, inventors are advised to file for patents before they publish their work. Patents can be filed for products, processes or both. The idea needs to be novel, should have inventiveness and have industrial applicability.

After a period of 20 years, a patent expires and cannot be renewed for a further amount of time.

Copyrights, typically known as a bundle of rights can be applied to any film, literature, musical composition etc., and one can protect its performance, reproduction and issuing of copies of the work. One need not file for a copyright, and it's instantly applied to a creation. Although filing for a copyright is important to have proof of who was the original creator of

the work. Copyright laws apply only to human creations and one cannot copyright plant or animal's biological processes.

In conclusion, Ms Ragini conducted a very insightful session on the foundational concepts of Intellectual Property Rights and its various types. With job demands increasing, it is essential for every student to understand ways in which one can protect his organisation's innovative products or processes.

Timestamp	Email Address	Name	UID	How would you rate the quality of the Discussion?	Has your understanding of the current situation and the aspects of the topics discussed in the Discussion improved?	What were the key takeaways of the Discussion according to you?	How was your overall experience of the Discussion?	Would you like us to hold more workshops on different topics of similar nature?	Could you suggest us with a few topics on which you would like Discussion to be held?
4-19-2021 17:25:38	akanksha.fernandes@xaviers.edu.in	Akanksha Fernandes	204061	4	4	-	4	Yes	
4-19-2021 17:26:13	ananyasingh99@gmail.com	Anany Shakti Singh	184045	5	5	mainly researching more about the IPR to solidify our business legally	5	Yes	Blockchain
4-19-2021 17:26:14	goforkarenrachel@gmail.com	Karen Mathew	174031	5	5	the benefits and process of filing a patent	4	Yes	
4-19-2021 17:26:15	kartik.saxena@xaviers.edu.in	kartik saxens	204083	5	5	IP is important	5	Yes	
4-19-2021 17:26:24	daniel.borges@xaviers.edu.in	Daniel Borges	204009	5	4	Understood a great deal about trademarking, and patents. Cleared my doubts about the same.	5	Yes	

4-19-2021 17:26:30	62.vishakhawadhwa@gmail.com	Vishakha Wadhwa	194145	5	5	Importance of Trademark	5	Yes	
4-19-2021 17:26:35	aniketmarathe18@gmail.com	Aniket Marathe	184030	5	5	Came to know many new things about IPR and Trademarks	5	Yes	
4-19-2021 17:26:39	52.samakshsarda@gmail.com	Samaksh Sarda	194146	5	5	Procedure and key details involved	5	Yes	
4-19-2021 17:26:42	rhea.isaac@xaviers.edu.in	Rhea Isaac	204020	5	4	The know-hows, time periods and information about all intangible assets for a company.	4	Yes	
4-19-2021 17:26:42	dianageorge148@gmail.com	DIANA GEORGE	184011	5	5	Trademarks, and rights discussed in terms of company name, product name and regrading similar patterns and designs	5	Yes	
4-19-2021 17:26:44	abhishek.darade@xaviers.edu.in	abhishek darade	204052	5	5	IPR, copyright, trademarks and patent laws and regulation	5	Yes	

4-19-2021 17:26:47	medwin.mathew@xaviers.edu.in	Medwin Mathew	204057	5	5	About various branding concepts	5	Yes	
4-19-2021 17:26:48	sakshi.agrawal@xaviers.edu.in	Sakshi Agrawal	204026	4	4	The session gave me a brief idea about trademark and copyright about which I feel confident now	4	Yes	
4-19-2021 17:26:51	pereiranora14@gmail.com	Anora Pereira	194093	5	5	the process of trademarks and patents was very informative	5	Yes	
4-19-2021 17:26:55	aakarsh.nair@xaviers.edu.in	Aakarsh Nair	204029	4	4	Patents, Designs, Trademarks, the difference between them, how long they're eligible for	3	Yes	
4-19-2021 17:26:58	samyak.jain@xaviers.edu.in	Samyak Jain	204076	4	5	Gained in-depth knowledge regarding trademarks, designs and patents and copyrights	4	Yes	
4-19-2021 17:27:02	jay.chowdhary@xavier.edu.in	jay chowdhary	204049	5	5	The law about patents and trademarks	5	Yes	

						and how they work			
4-19-2021 17:27:02	sarah.philip@xaviers.edu.in	Sarah Philip	204093	4	4	Better understanding about trademarks and patents	4	Yes	
4-19-2021 17:27:02	shreyansh.shukla@xaviers.edu.in	Shreyansh Shukla	204059	5	4	She cleared all the points properly	4	Yes	
4-19-2021 17:27:15	Rishabh.jain@xaviers.edu.in	Rishabh Jain	204086	4	5	very informative and learned a lot about trademarks and copyrights	4	Yes	
4-19-2021 17:27:21	47.radhikavora@gmail.com	Radhika Vora	194139	5	5	Different reasons and importance of copyrighting, patenting, trademarking; their procedure and time periods and withdrawals.	5	Yes	
4-19-2021 17:27:25	kevin.saju@xaviers.edu.in	Kevin Saju	204012	5	4	Key differences between trademarks, designs, patents and copyrights and the importance of each	4	Yes	Something directly related to the legal aspects of entrepreneurship.

4-19-2021 17:27:26	melvynbrodie789@gmail.com	melvyn brodie	19412 4	5	5	importance of IP in the industry	5	Yes	futures and options
4-19-2021 17:27:32	jatin.khare@xaviers.edu.in	Jatin Khare	20408 0	3	2	Trademarks	3	Yes	
4-19-2021 17:27:36	madhav.bhimsariya@xaviers.edu.in	Madhav Bhimsariya	20405 6	5	5	Learning about patents and trademarks in so much detail was the most important thing for me in this session.	5	Yes	
4-19-2021 17:27:59	27.jyothikamary@gmail.com	Jyothika Mary Cyriac	19410 3	5	5	a basic understanding about trademarks, patents and copyrights	4	Yes	
4-19-2021 17:28:04	astle.loba@xaviers.edu.in	Astle	20400 6	4	5	Basically how to patent and trademark	4	Yes	
4-19-2021 17:28:11	tejasvini.tonse@xaviers.edu.in	Tejasvini Tonse	20406 0	4	5	I believe knowing about IPR is very important and this discussion was a good starting point	5	Yes	
4-19-2021 17:28:16	rhea.john@xaviers.edu.in	Rhea John	20401 4	5	5	The examples under various	5	Yes	An in-depth workshop on personal

						heads proved to be of great help for my understanding.			finances would be great!
4-19-2021 17:28:25	nikita.coutinho@xaviers.edu.in	Nikita Coutinho	204010	5	5	I got to learn about the trademark law, Patent and Design and Copyright Law and also the filing period and why such laws are important for companies as well as startups	5	Yes	
4-19-2021 17:28:26	26.jovitalobo@gmail.com	Jovita Lobo	194081	4	5	Mainly the deeper insights into what trademarks and patents entail, the processes, loopholes etc.	5	Yes	
4-19-2021 17:28:40	17.danicapereira@gmail.com	Danica Pereira.	194083	5	5	Got a better understanding of trademarks, design and patents as well as copyrights.	5	Yes	something finance related

4-19-2021 17:28:45	rhea.thomas@xaviers.edu.in	Rhea Thomas	204019	3	3	The session helped me learn a few things about IPR and the speaker gave a few examples as well.	3	Yes	Being a marketing student i'd love more online as well as offline marketing sessions with an experienced person.
4-19-2021 17:28:55	nikita.fernandes@xaviers.edu.in	Nikita Fernandes	204008	4	5	Learnt a lot about intellectual property rights. It was interesting to understand the difference between patents and design.	4	Yes	Blockchain, Cryptocurrency , Ethereum
4-19-2021 17:28:56	25.johandesouza@gmail.com	Johann Desouza	194126	5	5	My key takeaways from this discussion was the different types of IPR, the need for them and the application process.	5	Yes	
4-19-2021 17:29:14	46.rachelvaz@gmail.com	Rachel Vaz	194132	5	5	The importance for a company to holistically protect a product, brand, or a	5	Yes	Cryptocurrencies, Marketing in Media

						unique technology or process not only as a safety net but also as a means to validate your brand value.			
4-19-2021 17:29:26	56.stianafernandes@gmail.com	Stiana Fernandes	194151	5	5	It was a very insightful session covering Trademarks, Patents and Copyrights.	5	Yes	
4-19-2021 17:30:12	bharatchimnani17@gmail.com	Bharat Chimnani	206018	5	5	it was an insightful session	4	Yes	scope of data science in mngmt world
4-19-2021 17:30:54	bryan.johnson@xaviers.edu.in	Bryan Johnson	204064	5	5	I got to know more about copyrights, patents, trademarks	5	Yes	
4-19-2021 17:31:05	ira.agrawal@xaviers.edu.in	Ira Agrawal	204036	4	4	Learnt about intellectual property rights that I wasn't well aware off	4	Yes	
4-19-2021 17:32:11	angel.dsouza@xaviers.edu.in	Angel Michael D'souza	204081	4	5	The major takeaways for today were the basic understanding and knowledge of trademarks,	5	Yes	Anything related to management that's not covered in the syllabus

						patents, designs and copyrights. Also the increasing demand and importance of intellectual property laws in current times.			
4-19-2021 17:32:11	vanshika.garg@xaviers.edu.in	Vanshika Garg	204091	5	4	I got a chance to learn more about IPR	5	Yes	



BMS MANAGEMENT CLUB

ST. XAVIER'S COLLEGE (AUTONOMOUS)



Ms. Ragini Shah

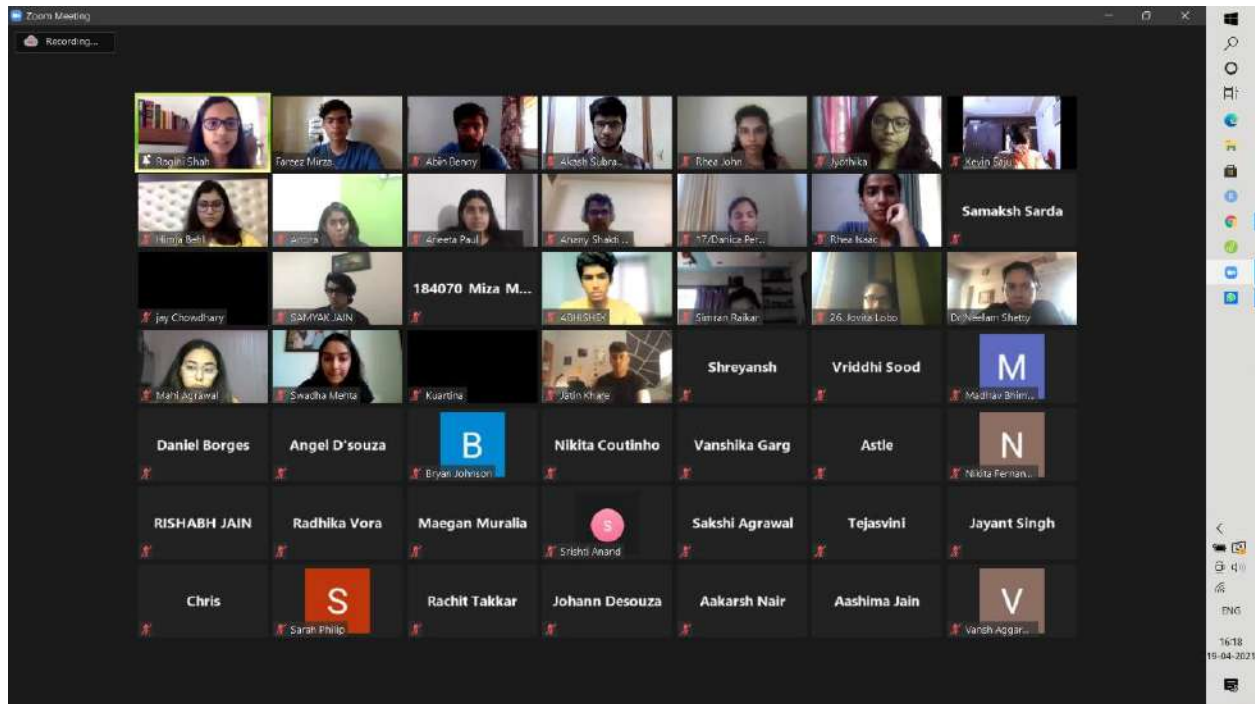
Patent attorney | Partner at Literati Juris

INTELLECTUAL PROPERTY RIGHTS

19TH APRIL 2021 | 4-5 PM

ZOOM ID: 963 9341 7585

PSWD: 502767





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Popular Science Lecture

Organized by

**Indian Women Scientists' Association,
Vashi, Navi Mumbai**



Supported by Board of Research in Nuclear Sciences (BRNS)-DAE

In association with

**Caius Research Laboratory,
St. Xavier's College, Mumbai**

Webinar on

Cancer Genomics Translates Basic Research Into Clinical Practice

by

Dr. Neelam Shirsat

Former Senior Scientist, Cancer Research Institute
ACTREC, Tata Memorial Centre, Kharghar

Thursday, 24th September, 2020, 4 pm
Session will be held through **Zoom platform**

Registration is Free

[Click here to register:](https://forms.gle/XdjhxEpu94wvvLor7) <https://forms.gle/XdjhxEpu94wvvLor7>

Please Register by 22nd September 2020

All are cordially invited!

Cancer Genomics Translates Basic Research Into Clinical Practice

Abstract: The pioneering discovery of the Philadelphia chromosome in the cells of chronic myeloid leukemia first indicated genomic alterations as a likely cause of cancer in the year 1960. It took 30 years to identify the BCR-ABL fusion gene as a cause of CML. In 2001, Gleevec, a BCR-ABL inhibitor, showed dramatic improvement in the survival rate of these patients. Translation of basic research into clinical practice thus took enormous efforts and time. The miracle drug Gleevec demonstrated that by understanding the biology of a disease, one can develop effective treatment strategies.

Human genome sequencing completed in 2003 paved the way for identifying genome-wide alterations in cancer cells. The next-generation deep sequencing technologies made it possible to sequence the entire human genome in a couple of days and also considerably reduced the cost of sequencing. Cancer genomic analysis showed that most cancers are driven by 2 to 8 driver genetic alterations, which impart the characteristic hallmarks like unlimited proliferation, resistance to cell death, the invasive capacity.

Conventional diagnosis of cancer is based upon microscopic observation of the tumor tissues. Several cancers were found to consist of multiple subtypes based upon the underlying genetic alterations, which also correlated with their clinical behavior, indicating the inadequacy of histopathological diagnosis. Cancer genetic testing is now being increasingly used for accurate diagnosis and thereby for appropriate treatment design. For decades scientists have been looking for a blood biomarker-based diagnosis for early detection of cancers. Analysis of circulating DNA, microRNAs is being developed as a non-invasive strategy for early detection of various cancers. Targeted therapy based upon the underlying genetic alterations is often a treatment option for some cancers like Herceptin for HER2-positive breast cancer. Cancer genomics has opened the doors to novel strategies for early detection, prognostication, and treatment design. In-depth basic and clinical research is necessary for exploring the full potential of the knowledge gained from the cancer genomics data.

Popular Science Lecture Organized by
Indian Women Scientists' Association,
Vashi, Navi Mumbai, Supported by Board
of Research in Nuclear Sciences (BRNS)-
DAE, In association with Caius Research
Laboratory, St. Xavier's College, Mumbai.
Speaker: Dr. Neelam Shirsat.

239 responses

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Name and Surname of the Applicant*

239 responses

Shryli Kedambadi Shreekar

Velanie Koli

Niteeka Chandel

Liza Bora

Isha V Chavan

Kamlesh Dekate

Pratiksha Kshirsagar

Surbhi kamboj

Sakshi Punjabi



College/Institute with University affiliation/Industry Name & Address *

239 responses

Ramnarain Ruia Autonomous College

IWSA

St. Xavier's College, Mumbai

St. Xavier's College (Autonomous), Mumbai

St. Xavier's College Mumbai

St Xaviers college Mumbai

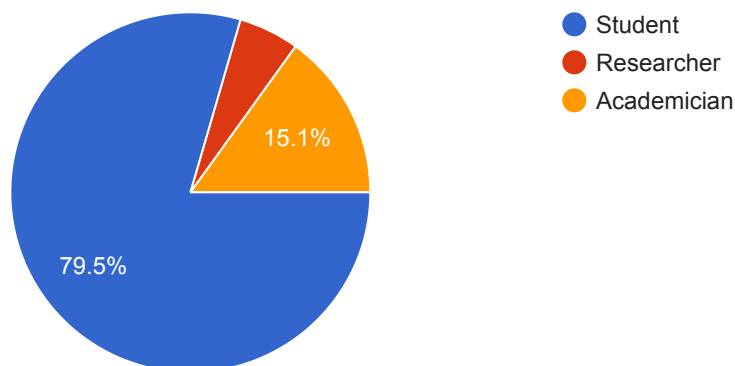
Yuvaraja's College, (Autonomous)

St. Xavier's College

MGM institute of health sciences

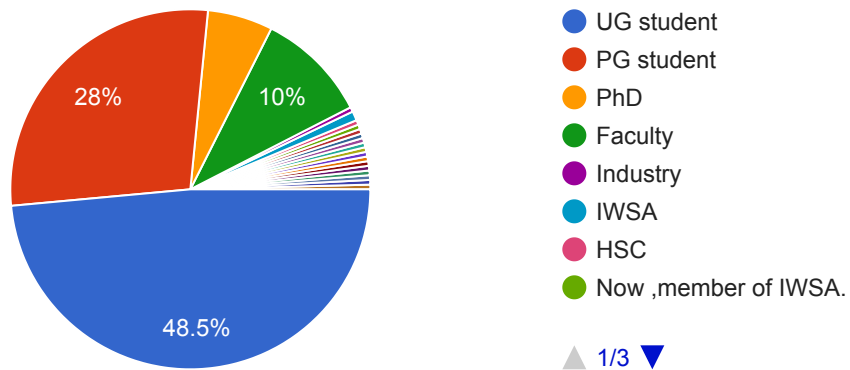
Designation

239 responses



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Contact Number (WhatsApp)

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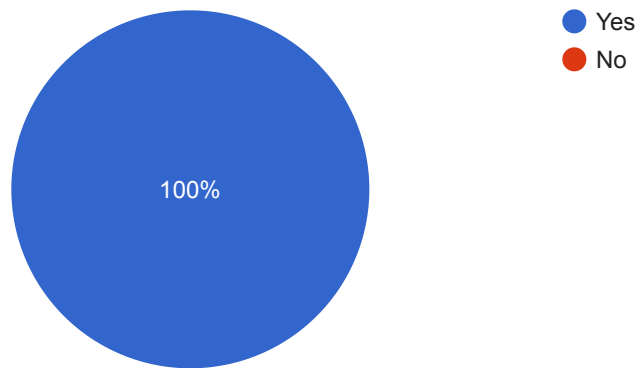
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Disclaimer: The information provided is correct to my knowledge.

239 responses



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Google Forms



Introduction to Lifetime Data Analysis

Alok D. Dabade

Department of Statistics,
University of Mumbai, Mumbai

Abstract

In this lecture, I am considering, need of lifetime data analysis, types of censoring, survival function, hazard function. Nonparametric analysis of survival function: Kaplan-Meier estimator. Examples based on Kaplan-Meier estimator.

Zoom Meeting

301 Pooja Chhaney	301 sanshya kap...	Mayur More	305 Jui Wabade	320 Rhea Chawla
322 Vishakha Sin...	297 Alexander S...	Saju George	311 Brandon DC...	306shimul
309 Sreelakshmi	Alok Dabade	289 Samyukta Ra...	294 Yatharth Gup...	298 Maryam Faiz
315 Bonia Pullan	317 Riya John	287 Muskan Pato...	312 John Dsouza	314 Rhythm Rast...
319 Raghav Swar...	299 Sylvia Vincent	308 Aaryan Mo...	325 Abigali Dsilva	304 Ishita Moht...

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10:11 12-04-2021

Professor : _POOJA OCHANEY

SUBJECT : STATISTICS (STATS.)

NAME OF STUDENTS		Roll no.	21-Dr.Alok D
F	Patodia Muskan Pramod	287	P
F	Samyukta Ramesh	289	P
M	Aniket Chatterjee	290	P
M	Yatharth Pawan Gupta	294	P
M	Abhay Skaria Thomas	296	P
M	Alexander P Sebastian	297	P
F	Mariyam Imran Faizi	298	P
F	Sylvia Vincent	299	P
F	Sanshya Kapoor	301	P
F	Ishita Mohta	304	P
F	Jui Sadanand Wakade	305	P
F	Shimul B Bhagat	306	P
M	Aaryan Moorthy	308	P
F	P Sreelakshmi	309	P
M	Brandon Cyrus Dcosta	311	P
M	John Arnold Andrew Dsouza	312	P
F	Rhythm Rastogi	314	P
F	Bonia Baby Pullan	315	P
F	Anuja Davda	316	P
F	Riya Grace John	317	P
M	Raghav Swaroop Varma	319	P
F	Rhea Chawla	320	P
F	Vishakha Singh	322	P
F	Pahukpreet Kaur Suchdeva	323	P
F	Abigail	325	P

Academic year 2020-2021
Language Lab

5.1.3

Q_nM

The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities:

1. Soft Skills
2. Language and Communication Skills

Online workshops were conducted for students across all streams. The objective was to add to students' soft skills preparation per their tentative career plans. Students from under graduate and post graduate courses attended the workshops. Below are the details -

Workshops Conducted	Date
English for Job Interviews	26/12/2020
English for Competitive Exams	29/12/2020
The Skill of Public Speaking	30/12/2020

Honours Programme through Language Lab

In line with the objective of creating scientific awareness among the masses, which has become all the more important now than ever before, a series of interactive sessions under the *Honors Programme*, in online mode, was conducted in the second semester on the theme “*Language in Science Journalism: Responsible Use of Language in Scientific Writing*” inclusive of individual assignments on press release, column writing and review writing for a science documentary, lectures by the program coordinator on different types of journalistic writing and their significance and a participant group discussion on critical analysis of the role of science journalism, with the total duration of 15 hours. One transfer credit was given to the students on successful completion of the course.

RUSA Sponsored Webinar

The Language Lab organised a RUSA sponsored Webinar on ‘Classroom Strategies for Effective ESL Management’. The webinar aimed at participants’ understanding of the root cause of challenges a student of English as second language faces in grasping the way sentences are structured for different situations and also how Indian English Literature can help in understanding and practicing this language better. Prof. Radha Nitin, Asst. Professor, Dept. of Commerce, Gurukul College of Commerce, Ghatkopar, shared her expertise with our students on ‘Academic Upgradation by Remedial ESL’. Prof. Amol Khandwe, Assistant Professor, Dept. of English, S N Mor College, Tumsar, Dist. Bhandara, spoke on ‘Indian English Novel as an Effective Tool for ESL’. Ms. Mirah S Mansuri, Corporate Communication and Spoken English Trainer, conducted an interactive session on ‘Sentences Simplified for ESL’.



St. Xavier's College (Autonomous), Mumbai
Department of Statistics
(Under the aegis of DBT STAR STATUS)



सत्यमेव जयते

DEPARTMENT OF BIOTECHNOLOGY
MINISTRY OF SCIENCE & TECHNOLOGY,
GOVERNMENT OF INDIA

Certificate of Participation

This is to certify that

Agarwal Anvi Manish

of class **SYBA**

participated in an online workshop titled

“Using LPP and EXCEL solver in trade compression”

held on 4th January 2021

Prof. Piyali Unnikrishnan
Professor In-charge

Prof. Myrtle C. Fernandes
Head
Department of Statistics

ST. XAVIER'S COLLEGE (AUTONOMOUS) MUMBAI
S.Y.B.A. 2020 - 2021

Professor : _____ Subject : _____
 No. of Lectures engaged : _____ No. of Lectures Roll Taken : _____

Sr. No.	NAME	UID NO	ROLL NO.		10														Total Present	UID NO
1	Ravi Bhagwat	181112	001		a														0	151388
2	Kannanaykkal Robin Francis	191010	005		P															191010
3	Merlin Sebastian	191040	008		P															191040
4	Cheryl Saju	191051	011		P															191051
5	Dmello Tanish Mani Bhushan	191052	012		P															191052
6	Shetty Isha Madhava	191073	016		P															191073
7	Trivedi Pranati Saumitra	191084	019		P															191084
8	Noronha Lara Elvina	191090	020		P															191090
9	Agarwal Anvi Manish	191106	021		P															191106
10	Malhotra Isha Sameer	191116	024		P															191116
11	Sengupta Tahiti Keshab	191117	025		P															191117
12	Lobo Ethan Anil	191123	026		A															191123
13	Dikay Radhika Shirish	191136	028		P															191136
14	Chheda Twinkle Piyush	191139	029		P															191139
15	Samel Ketki Manish	191152	030		P															191152
16	Dsouza Shania Prakash	191166	034		P															191166
17	Joseph Samantha Shammy	191169	035		P															191169
18	Rajwade Madhura Atul	191183	036		P															191183
19	Sheth Dharmi Piyush	191184	037		a															191184
20	Raheja Devika Nk	191192	038		P															191192
21	Barot Pratham Vikram	191199	040		P															191199

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22	Banerjee Rhea Anshuman	191276	050		P															191276
23	Thomas Ann Merine Jacob	191309	052		P															191309
24	Misty Elsa Mathew	191328	054		P															191328
25	Reeha Thomas	191339	055		P															191339
26	Tracy Manoj	191341	056		P															191341
27	Leya Plemmena Sam	191350	057		P															191350
28	Elizabeth James	191365	058		P															191365
29	Saurav P Cyriac	191368	059		P															191368
30	Ann Mary David	191399	060		P															191399
31	Maria Mathew	191401	061		P															191401
32	Nair Aaria Nitin	191411	062		P															191411
33	Philip Dawny Philip	191417	063		P															191417
34	Gandhi Krisha Dhananjay	191424	064		P															191424
35	Diya Anil Iravane	191432	065		P															191432
	Subasri S	191435	066		P															191435
36	Bhakti Badlani	191436	067		P															191436
37	Vansh Chowdhary	191441	068		P															191441
38	Vanshiekaa Tandon	191448	069		P															191448
39	Olivia Ann Mathew	191457	070		P															191457
40	Christi Mariam Denny	191458	071		P															191458
41	Sahita Chesetty	191467	072		P															191467
42	Riddhi Agarwal	191484	073		P															191484
43	Pinto Chelsea Jacob	191485	074		P															191485
44	Namita Simon	191494	079		P															191494
45	Savio Joe	191496	080		P															191496
46	Harshaan Tiku	191513	084		P															191513
47	Navalkar Vidisha Prashant	191070	221		P															191070

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48	Mehta Manvi Siddharth	191109	234		P															191109
49	Shreyas Ghaisas	191124	238		P															191124
50	Shifa Faiyaz Thokan	191412	286		P															191412
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Using Linear programming and EXCEL solver for trade compression

Resource person-Karan Bir

Sales and Trading Analyst in CITI Bank

Date-4/1/21

Program Coordinatoor- Piyali Unnikrishnan

Outline of the guest lecture

- Banks enter into large swap transactions with notional in the trillions of dollars. Most of these transactions can be optimised to reduce exposure to other banks and keep systemic risk in check.
- Using Linear Programming Principles (via Solver add-in) we have an iterative method to "compress" the portfolio where trade-offs are made between amount / number of trades compressed, risk and profit and loss.

Concepts Used:

- Linear Programming (Simplex Method)
- Designing Constraints
- Selecting a Decision Variable
- Shadow Price
- Presenting the Data

View

079 Namitha Simon 494

020 Lara Noronha 090

005 Robin Francis 010

038 Devika Raheja 192

019 Pranati Trivedi 084

062 Aaria Nair 411

074 Chelsea Pinto 191485

030 Ketki Samej 152

040 Pratham Barot 199

035 Samantha Joseph 191169

072sahita chesetty191467

066 Subasri Srikanth 435

025 Tahiti Sengupta 191117

Manvi Mehta

034 Shania D'souza 166

050 Rhea Banerjee 276

065 Diya Iravane 432

071 Christi Mariam Denny...

024 Isha Malhotra 116

286 Shifa Thokan 191412

008 Merlin Sebastian 040

055 Reeha Thomas 339

073 Riddhi Agarwal 484

059 Saurav Cyriac 368

058 Elizabeth

Mute

Stop Video

Participants

Chat

Share Screen

Record

Reactions

Leave

St. Xavier's College (Autonomous), Mumbai
Honours Programme
Department of Statistics

Machine Learning Course
(By Rahul Mishra)

Course Structure:

In this course, you will be taught the theory of various industrial implications of the following topics and the practical uses of the same will be shown using Google Colab.

Sr. No.	Topics Covered	Estimated Time
1	Introduction to Machine Learning	1 hr
2	Bias-Variance Trade Off	30 mins
3	Supervised and Unsupervised Learning (Classification, Regression and Clustering)	1 hr 30 mins
4	Data Selection, Processing and Interpretation	30 mins
5	Decision Tree and Random Forest	1 hr
6	Imputation and Encoding	30 mins
7	Feature Engineering	30 mins
8	Precision, Recall and Accuracy	30 mins
9	Introduction to Reinforcement learning	30 mins
10	Introduction to deep neural network	30 mins

Evaluation:

At the end of the course, you will be expected to make a Group Project implying the knowledge gained from the sessions.

Project - (duration - 2 hours)

Post completion of the lectures, a project will be given to students where they have to work in groups and come up with an end to end project that uses machine learning as its foundation. Data will be provided to the students.

NAME	UID	Roll no.	CGPA	HONOURS HUB
Sanshya Kapoor	182150	301	9.69	LINGUA
Hamza Ajmeri	182385	321	8.24	LINGUA
Rhea Chawla	182382	320	8.91	LINGUA
Raghav Swaroop Varma	182378	319	8.26	LINGUA
Aaryan Moorthy	182196	308	8.67	PHYSICAL SCIENCES
Vidushi Bhakat	182139	295	9.3	PHYSICAL SCIENCES
Pahulpreet Kaur				
Suchdeva	182424	323	9.3	PHYSICAL SCIENCES
Samyukta Ramesh	182037	289	8.44	PHYSICAL SCIENCES
Bonia Baby Pullan	182345	315	9.43	PHYSICAL SCIENCES
Shimul B Bhagat	182185	306	8.92	PHYSICAL SCIENCES
Saher Hayat	182193	307	9.1	PHYSICAL SCIENCES
Rhythm Rastogi	182339	314	9.57	PHYSICAL SCIENCES
Riya Grace John	182352	318	9.58	PHYSICAL SCIENCES
Aswin Dahal	182360	322	7.59	PHYSICAL SCIENCES
Abhay	182140	296	9.02	PHYSICAL SCIENCES
Avantika Deb	182020	288	9.69	Non Honors
Abigail S Dsilva	172395	325	1.61	Non Honors
Alexander P Sebastian	182141	297	6.7	Non Honors
Mohit K Jose	182167	302	5.22	Non Honors
Aniket Chatterjee	182043	290	7.52	Non Honors
Brandon Dcosta	182227	311	7.35	Non Honors
SHREYANSH RASTOGI	182399	194	8.58	PHYSICAL SCIENCES
AVALON REGO	182279	258	7.09	PHYSICAL SCIENCES
SAYAK MALLICK	182172	175	8.29	PHYSICAL SCIENCES
PALAK KHANNA	182364	190	8.17	PHYSICAL SCIENCES



ST. XAVIER'S COLLEGE

(AUTONOMOUS)

5, Mahapalika Marg, Mumbai - 400 001,
INDIA.

☎ 2262 0661/65

To ,
Mr. Rahul Mishra
Data Scientist
Reliance Industries Ltd.

Dear Mr. Rahul Mishra,

On behalf of the Department of Statistics, I thank you for conducting the workshop – “Machine Learning in Python” for our undergraduate students in the academic year 2020 -2021. Your workshop was very well appreciated and the students have benefited greatly. Looking forward to further academic interaction with you.

Thanking you,

Prof. (Ms.) Myrtle. C. Fernandes
Head – Dept of Statistics
St. Xavier's College – Autonomous
Mumbai.



मंच

Your dreams | Our platform | Limitless possibilities

A skill development program by Deutsche Bank with focus on developing important skills such as effective communication, team work, branding and finance in early academic life.



Workshops
by world class
trainers

Structured classroom workshops conducted by expert trainers will help you develop soft skills and build financial concepts.



Group projects/Case
study challenge under
industry mentors

You will get hands-on experience as you work on case studies and group projects under the guidance of industry mentors.



Networking
opportunities

Senior bankers from Deutsche Bank Group will mentor you for professional and personal development. In addition, the platform also gives an opportunity to network with industry seniors.

As an experiential learning process,
Manch aims to prepare you for life after college.



Manch prepares you for a long term career

250+

Students have been a part of the Manch program over the last 3 years.

90%

Participants recommend Manch to others.

As part of the Manch program, Deutsche Bank organises sessions with bank's senior management. Below are some testimonials from the students who attended one such session:

"It was inspirational to see a woman at high position in the field of finance that is believed to be driven dominantly by men. Her confident personality is indeed a motivation to all the women who inspire to make a career in finance."
– Raj Kumari Sharma

"Biggest takeaway from the session was that no matter what your starting job is you can always find your way into a field which you love and excel in it" – Rahul Manglik

"Most useful thing about the session was that it gave me a better perception of life in general. How constant improvement is more important rather than some arbitrary idea of success in mind." – Jishnu K Ramakrishan

What our students had to say about the workshops:

"The workshop was very well articulated with much thought and concern towards the doubts the participants may have had. Very useful exercise." – Kaveri Deshmukh

"Amazing presenters! Content was to the point" – Rahul Manglik

Manch is launching soon!
We invite you to be a part of this journey

Report of the Manch 4.0 workshop

The 4th Edition of The *Manch* (Manch 4.0) workshop was conducted by Deutsche Bank in collaboration with the BMS Department of St. Xavier's College, Mumbai. First and Second year BMS students were selected for the workshop series. IIT Bombay was the other Institute involved in the *Manch* programme. It was conducted between the 1st of November, 2020 and the 18th of April, 2021.

In the course of 5 and a half months, Deutsche Bank executives conducted 5 lectures, each lasting for approximately 2 hours. The lectures covered various topics management students would require to develop foundational skills. The first two lectures covered the various functionalities of Microsoft Excel. The students were taught how to sort data, use formulas and functions and the use of various tables as an introduction. The advanced lecture included the use of VBA (Visual Basic for Applications) and basics for recording macros. The MS Excel workshops were conducted by Ms. Piuli.

During the month of December two finance workshops were held. The first one focussed on explaining the process of Bond Valuation, types of fixed income instruments and the fundamentals of foreign exchange. Mr. Punekar and Mr. Agarwal jointly conducted this workshop.

The second finance workshop focussed on subjects relating to corporate finance. Students were taught foundational concepts such as Return on Invested Capital (ROIC), Cost of Capital, Disaggregating returns and the difference between equity and debt. This workshop was conducted by Ms. Deepali Singh.

Between the 4th and 5th lecture, the students of the *Manch* programme participated in a case study competition. 6 out of 7 winners of the competition were students from St. Xavier's College, Mumbai (SYBMS Batch) and 1 was from IIT Bombay.

The fifth and final lecture taken by Mr. Ranjit Rauniyar shed light on essential Interview Skills required by students. Mr. Ranjit highlighted the process of composing an impactful resume and showed students the methods to prepare for various types of interviews.

As a conclusion to the *Manch* 4.0 workshop series, the students were bifurcated into several groups and each group was given a topic to present as their final assessment. Each group was also assigned a "mentor" to guide students and develop their presentation skills. Of the 13 groups which participated in the final project there were 6 winner groups, of which 5 were Xavierites.

Log of Lectures: https://docs.google.com/spreadsheets/d/1QR2fpPTb-HYeQxLytfoM1jfr5puu89wd_ArIE0W4G8/edit?usp=sharing

Feedback Form responses:

https://docs.google.com/spreadsheets/d/1E04_bU8kE5UUnn8cgbM-Q_jAJWVco4BklvcH68jq0Y4/edit?usp=sharing



महाराष्ट्र MAHARASHTRA

2020

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प्रधान मुद्रांक कार्यालय, मुंबई
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22 SEP 2020

सक्षम अधिकारी

श्री. सी. टी. आंबेकर

**DIVERSITY AND INCLUSION INITIATIVE AGREEMENT
BETWEEN
ST. XAVIER'S COLLEGE, MUMBAI
AND
DEUTSCHE CIB CENTER PRIVATE LIMITED**

This **DIVERSITY AND INCLUSION INITIATIVE AGREEMENT** dated 9th October, 2020 is executed between the St. Xavier's College, Mumbai, having its office at 5, Mahapalika Marg, Fort, Mumbai 400 001 (hereafter referred to as 'St. Xavier's College, Mumbai', which expression shall include its successors and assigns)

and

Deutsche CIB Center Private Limited, Block 4 Nirlon Knowledge Park, 5th Floor, Goregaon (E), Mumbai 400 063, hereafter referred to as 'DBC,' (which expression shall include its successors and assigns)

1

Shinde
24/10/2020
PRINCIPAL
ST. XAVIER'S COLLEGE
(AUTONOMOUS)
MUMBAI-400 001

जोडपत्र-9 / Annexure - I
एवढ प्रतिज्ञापत्रसाठी / Only For Affidavit

12 OCT 2020

ST. XAVIER'S COLLEGE
(AUTONOMOUS)
5, MAHAPALIKA MARG,
MUMBAI - 400 001.
INDIA

मुद्रांक विवरण घेणाऱ्याचे नाव _____
मुद्रांक दिवस घेणाऱ्याचे रहिवासी पत्ता _____
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मुद्रांक विवरण घेणाऱ्याची सही _____ मुद्रांक विक्रेताची सही _____
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प्रतिज्ञापत्र/न्यायालयासमोर प्रतिज्ञापत्र सदा करणेसाठी
प्रतिज्ञापत्र आवश्यकता नाही (शासन आदेश दि. 09/08/2019 नुसार)
ज्या प्रतिज्ञापत्रासाठी ज्याची मुद्रांक खरेदी केली त्याची त्याच कारणासाठी मुद्रांक खरेदी
केल्यापासून 6 महिन्यांत वापरणे बालभावी आहे

12 OCT 2020

WHEREAS :

1. (a) 'St. Xavier's College, Mumbai' is an autonomous college affiliated with the University of Mumbai, offering undergraduate and postgraduate degrees in Arts, Science, Commerce and Management.
(b) DBC is a Private limited company corporate under the Companies Act and is part of Deutsche Bank Group
2. DBC as parts of the employee initiatives is desirous of undertaking a project for promotion of education/research and development for the students of St. Xavier's College, Mumbai.
3. The activities to be undertaken by DBC as part of this initiative as elaborated in Annexure-1 hereto and this MOU is being signed between the Parties to record this understanding and the confirmation on part of as 'St. Xavier's College, Mumbai' permitting DBC to conduct such activities.
4. 'St. Xavier's College, Mumbai' shall not charge DCB for the purpose of permitting DCB for organizing the aforesaid activities in the premises of as 'St. Xavier's College, Mumbai'.
5. Any disputes between the parties shall be sought to be amicably resolved within 15 (Fifteen) days of their first arising and failing amicable resolution, an arbitration panel shall have jurisdiction for the same.

IN WITNESS WHEREOF the parties hereto have hereunto executed these presents on the day and the date first hereinabove written.

For Deutsche CIB Center Private Limited

Mr. Janak Dalal
Head Corporate & Investment Banking
Date:

For St. Xavier's College, Mumbai



Dr. Rajendra Shinde
Principal

Date: 19/10/2020

PRINCIPAL
ST XAVIER'S COLLEGE
(AUTONOMOUS)
MUMBAI-400 001

1. Objective & Approach

- 1.1. As part of its social responsibility, Deutsche Bank Group wishes to work towards skill development with a focus on diversity and inclusion.
- 1.2. Deutsche Bank Group wishes to create / provide a platform for students of St. Xavier's College, Mumbai to learn skills, which are complimentary to their academic studies, and will provide challenges to practice the acquired skills.
- 1.3. Deutsche Bank Group, in partnership with St. Xavier's College, Mumbai, will offer the program to St. Xavier's College, Mumbai students of Bachelors of Management Studies (BMS).
- 1.4. There will be a special focus on selecting women students for the skill development program.
- 1.5. The program shall not be connected to the recruitment activity of Deutsche Bank and any student's participation in the program has no bearing on future placements.

2. Program Structure

- 2.1. The program will be conducted in partnership with department of Bachelor of Management Studies (BMS), St. Xavier's College, Mumbai.
- 2.2. The skill development program will be formally launched at the beginning of an academic year through an open seminar/orientation at St. Xavier's College, Mumbai, informing the interested students in detail about the program. The open seminar/orientation will discuss importance of skills development, mentoring and networking for success in career. The exact format of the seminar to be agreed between Deutsche Bank Group and Department of BMS of St. Xavier's College, Mumbai.
- 2.3. The department of BMS, St. Xavier's College, Mumbai shall inform the students by email and other means as decided and invite applications from interested students. The modalities of application process and selection procedure shall be jointly decided by the Deutsche Bank Group and department of BMS, St. Xavier's College, Mumbai.
- 2.4. Department of BMS will use various means to publicise Manch in St. Xavier's including but not limited to - introduction of Manch leaflets in Freshmen student brochures, coverage of Manch in Department of BMS articles on its own and the institute website, etc.
- 2.5. Interested students will be required to submit some basic details and a Statement of Purpose (SoP) on why he/she should be considered for the skill development program.
- 2.6. All details provided by applicants to participate in the skill development program shall only be used for the purposes of this MoU. The details of the students such as their names, academic details, contact information, etc. shall not be used by Deutsche Bank Group for any other purposes whatsoever without prior written approval of St. Xavier's College, Mumbai.
- 2.7. The participants will be required to participate in various workshops, case studies, group project and other networking events over the program duration. All activities will be scheduled keeping their academic calendar in mind. Exceptions to the participation in any activity will be allowed on case by case basis after approvals by the Deutsche Bank Group and St. Xavier's College, Mumbai.
- 2.8. A maximum of 50 students from St. Xavier's College, Mumbai shall be selected for the program.
- 2.9. Deutsche Bank Group and Department of BMS of St. Xavier's College, Mumbai shall jointly do the selection, with St. Xavier's College, Mumbai's say being final. Preferably, around 60% of the selected students shall be women.
- 2.10. The entire program shall be offered at no cost to the students. The expenses at St. Xavier's College, Mumbai in connection with the program shall be borne by Deutsche Bank Group. Any failure on part of Deutsche Bank Group in conducting or implementation or performance of its part of the Program shall be its sole liability.
- 2.11. Indicative time lines for the program for each academic year are as follows:

Tentative Events	Time commitment per student
Selection of students from amongst interested students (<i>based on SOP's</i>)	
Ice breaking session	1H
Skill workshop 1 (Presentation skills)	2H
Finance workshop 1 –Finance Adv	2H
Case study and Group Project Allocation	3H
Skill workshop 2– Resume / Interview / Personal Branding	2H
Finance workshop 2 – Case study based finance topics	2H
Midterm review on Projects	1H
Skill workshop 3 - Corporate Etiquettes in a virtual setup/ Email and Report writing	2H
Final Presentations on Projects	1H

2.12. Workshops:

- 2.12.1. Deutsche Bank Group would use the same high quality internal or external trainers for workshops that are used to train its own staff. The exact details of the trainers for each event would be provided to Department of BMS, St. Xavier's College, Mumbai once the program dates are finalised.
- 2.12.2. Deutsche Bank Group shall ensure all workshop content and trainer details are approved by Department of BMS, St. Xavier's College, Mumbai before the workshop is scheduled & communicated to students.
- 2.12.3. Depending on the workshop, the students may be split into smaller batches for effective participation and delivery.
- 2.12.4. Certain workshops can accommodate larger audience; such workshops shall be kept open for larger audience in consultation with Department of BMS, St. Xavier's College, Mumbai.

2.13. Group Project:

- 2.13.1. The project will focus on challenging skills such as problem solving, decision-making, teamwork, etc.
- 2.13.2. From amongst the participants in the program, a group of 4 to 6 students would be created.
- 2.13.3. There will be a list of 8-10 project choices given to the teams. The teams can pick the project of their choice.
- 2.13.4. Deutsche Bank Group will provide mentor/project guide with a rich industry and extensive people management experience, who will guide the selected participants during the entire tenure of the skill development program.
- 2.13.5. The team can seek the help of a project mentor for completing the project.

- 2.13.6. Mentor will work with each individual participant and provide them guidance and feedback about the project and personal development.
- 2.13.7. The group project will be evaluative and would conclude by the teams presenting their outcome to the representatives of Deutsche Bank Group and the Department of BMS, St. Xavier's College, Mumbai.
- 2.13.8. Based on evaluations a team would be declared as a winner.
- 2.13.9. Prizes as per St. Xavier's College, Mumbai rules will be awarded to the winning teams.
- 2.14. The participation of students for any program in subsequent years will be voluntary and there will be no obligation of any kind.

3. Branding:

- 3.1. The program would be called मंच (Manch) (Meaning platform in Hindi). The Deutsche Bank Group believes the word truly reflects their belief about what the program offers; a platform for anyone to help realize their dream.
- 3.2. In line with the intentions of the program the program would also have a tag line
"Your dreams | Our platform | Limitless possibilities"
- 3.3. Following are the possible ways it would be written on any communication.

मंच
Your dreams Our platform Limitless possibilities
Manch
Your dreams Our platform Limitless possibilities

- 3.4. Deutsche Bank Group reserves the right to use the name Manch and the launch program in its existing or modified form at other colleges/institutions as part of social corporate responsibility initiative.

4. Core Operating Group

- 4.1. Manch will be run by a core group of members from Deutsche Bank Group and Department of BMS, St. Xavier's College, Mumbai in terms of designing and implementing the program as stated below.
- 4.2. From Deutsche Bank Group:

Name	Designation & Address	Email & Phone
Aakanksha Ruwala	Director, DBC Corporate Bank Head Deutsche CIB Center Pvt Ltd. Block 4 Nirlon Knowledge Park, 5th Floor Goregaon (E), Mumbai 400063, India	aakanksha.ruwala@db.com +91 22 7181 1713 +91 9820707277
Ankit Jain	Vice President, Treasury Deutsche CIB Center Pvt Ltd. Block 4 Nirlon Knowledge Park, 5th Floor Goregaon (E), Mumbai 400063, India	ankit-vj.jain@db.com +91 22 7181 2039 +91 9167873554
Shruti Patwari	Assistant Vice President, Global Client Group Deutsche CIB Center Pvt Ltd. Block 7 Nirlon Knowledge Park, 3rd Floor Goregaon (E), Mumbai 400063, India	shruti.patwari@db.com +91 22 61818 2635 +91 9820225736

4.3. From Department of BMS, St. Xavier's College, Mumbai:

Name	Designation & Address	Email & Phone
Prof. Soni Georj Tharakan	Assistant Professor and Head of Department Management Studies St. Xavier's College, 5, Mahapalika Marg, Dhobi Talao, Chhatrapati Shivaji Terminus Area, Fort, Mumbai, 400001, India	soni.george@xaviers.edu +91 98193 31498
Dr. Neelam Shetty	Assistant Professor, Department of Management Studies St. Xavier's College, 5, Mahapalika Marg, Dhobi Talao, Chhatrapati Shivaji Terminus Area, Fort, Mumbai, 400001, India	neelam.shetty@xaviers.edu +91 99874 70009
Mr. Pritesh Arte	Assistant Professor, Department of Management Studies St. Xavier's College, 5, Mahapalika Marg, Dhobi Talao, Chhatrapati Shivaji Terminus Area, Fort, Mumbai, 400001, India	pritesh.arte@xaviers.edu +91 98209 82188

4.4. Deutsche Bank Group and Department of BMS, St. Xavier's College, Mumbai reserve the rights to add or replace their nominees in the Core Operating Group

4.5. Any changes to the Core Operating Group must be communicated in advance in writing to all the members of the Core Operating Group.

5. Roles and Responsibilities

- 5.1. All programs under MANCH would be conducted under the supervision of Department of BMS, St. Xavier's College, Mumbai.
- 5.2. All communications to St. Xavier's College, Mumbai officials pertaining to this program shall be through the Department of BMS of St. Xavier's College, Mumbai.
- 5.3. Deutsche Bank Group can communicate (under intimation to St. Xavier's College, Mumbai) to the student selected under the program for the purpose of the sharing information necessary for the execution of the program.
- 5.4. Deutsche Bank Group would be responsible to arrange and pay for the trainers, training material required for the events as stated in the Point 2.10 above including any and all additional costs related to the conduct, performance and implementation of the Program, if any.
- 5.5. Department of BMS shall be responsible to manage all communication at St. Xavier's College, Mumbai, which includes sending emails, putting up posters/banners or any other communication means as mutually agreed between Department of BMS and Deutsche Bank Group. The Department of BMS shall bear the cost of such communication.
- 5.6. Department of BMS shall be responsible to arrange all classrooms, auditorium or any other logistics support required at St. Xavier's College, Mumbai for conducting the various events as per the program structure in future.
- 5.7. Deutsche Bank Group shall set up and maintain support email id, manch.info@db.com, to address any queries or concern raised by participants.
- 5.8. Any changes to the program structure during the term of the program or later shall be agreed in writing by all the Core Operating Members.

Handwritten Signature
19/10/2020
PRINCIPAL
ST. XAVIER'S COLLEGE
(AUTONOMOUS)
MUMBAI-400 001

6. Project Duration

6.1. The program is designed for the academic year starting July 2020 with St. Xavier's College, Mumbai.

7. Mode of delivery

- 7.1. Workshops may be conducted either online or on IIT Bombay campus depending on the Pandemic situation in Mumbai
- 7.2. Case studies and project discussions with mentors would primarily be conducted online (including, but not limited to, with the use of webinars, tele-conferences and video-conferences).

Shinde
19/10/2020
PRINCIPAL
ST XAVIER'S COLLEGE
(AUTONOMOUS)
MUMBAI-400 001

Honors 2020-21

Machine Learning & Artificial Intelligence: Marketing goods and services are the core of any business. In this digital world especially in covid times, most of us are using digital platforms for many activities. Digital marketing helps companies to attract customers but it is equally important to analyse their buying pattern for that purpose, Machine learning & Artificial intelligence is very useful. The Department of Management Studies in 2020-21 offered 2 credits programs on Machine Learning & Artificial Intelligence in marketing as Honor's, to equip the students to analyse the marketing strategies for the business.

The Institute named aCubeit conducted this programme between 16th February 2021 to 2nd March 2021. Aurebindu Sarkar was the main trainer. Total 25 students registered and attended it.

Name	16-02-2021	17-02-2021	18-02-2021	19-02-2021	20-02-2021	01-03-2021	02-03-2021	Final Grade	Comments
Radhika Vora	P	P	A	A	A	A	A	NA	2 lectures attended. Evaluation assignment not submitted.
Philip Dawny Philip	A	A	A	A	A	A	A	NA	Did not attend any lectures
Anvi Agarwal	A	A	A	A	A	A	A	NA	Did not attend any lectures
Shubham Sikaria	P	P	P	P	P	P	P	A	
Abhishek Anil Darade	A	P	P	A	P	P	P	B+	
Hishita rao	A	A	A	A	A	A	A	NA	Did not attend any lectures

Prarthna Sharma	P	A	A	A	A	A	A	B+	1 lecture attended. Evaluation assignment submitted
Nikita Fernandes	P	P	P	P	P	P	P	A	
Ira Agrawal	P	P	P	P	P	P	P	B+	
Aryan Sood	A	A	P	A	P	A	A	NA	Attended 2 lectures. Did not submit final evaluation assignment.
Keya Daruwala	A	A	A	A	A	A	A	NA	Did not attend any lectures.
Tejasvini Tonse	P	P	P	P	A	P	P	B+	

Samyak Jain	A	A	A	A	A	A	A	NA	Did not attend any lectures.
Yashvi Furia	P	P	P	P	P	P	P	A+	
Rose Mibu	A	A	A	A	A	A	A	NA	Did not attend any lectures.
Mansi Patel	A	A	A	A	A	A	A	NA	Did not attend any lectures.
Dhwani Saxena	A	A	A	A	A	A	A	NA	Did not attend any lectures.
Arjun Aggarwal	P	A	P	P	P	P	P	A	
Dorin Quadras	P	P	P	P	P	P	P	A+	
Jayant Singh	A	A	A	A	P	P	P	A	
Gauri Khutade	P	P	P	P	A	P	P	B+	

Merlin Sebastian	P	P	P	P	P	P	P	A	
Devika Raheja	P	P	P	P	P	P	P	A+	
Shravani Wattamwar	P	P	P	P	P	P	A	B+	
Gunjit Kalra	A	A	P	A	A	A	A	NA	Attended 1 lecture. Did not submit evaluation assignment.
Abhinav Dubey	A	A	A	A	P	A	A	NA	Attended 1 lecture. Did not submit evaluation assignment.

8:07

VoLTE 4G

← shubhamraj@acubeit.com



shubhamraj@acubeit.com - organize... Inbox ☆



▶ Shubhamraj Singh

22 Feb

Workshop Postponed

Hello There, Due to some unforesee... Inbox ☆



▶ shubhamraj

📅 21 Feb

Canceled event with note: Machine Learnin...

shubhamraj@acubeit.com - organize... Inbox ☆



▶ shubhamraj

📅 20 Feb

Invitation: Machine Learning and AI in Marke...

shubhamraj@acubeit.com - organize... Inbox ☆



▶ shubhamraj

📅 19 Feb

Invitation: Machine Learning and AI in Marke...

shubhamraj@acubeit.com - organize... Inbox ☆



▶ shubhamraj

📅 18 Feb

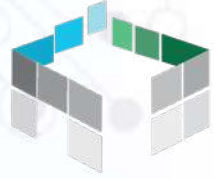
Invitation: Machine Learning and AI in Marke...

shubhamraj@acubeit.com - organize... Inbox ☆



▶ shubhamraj

📅 17 Feb

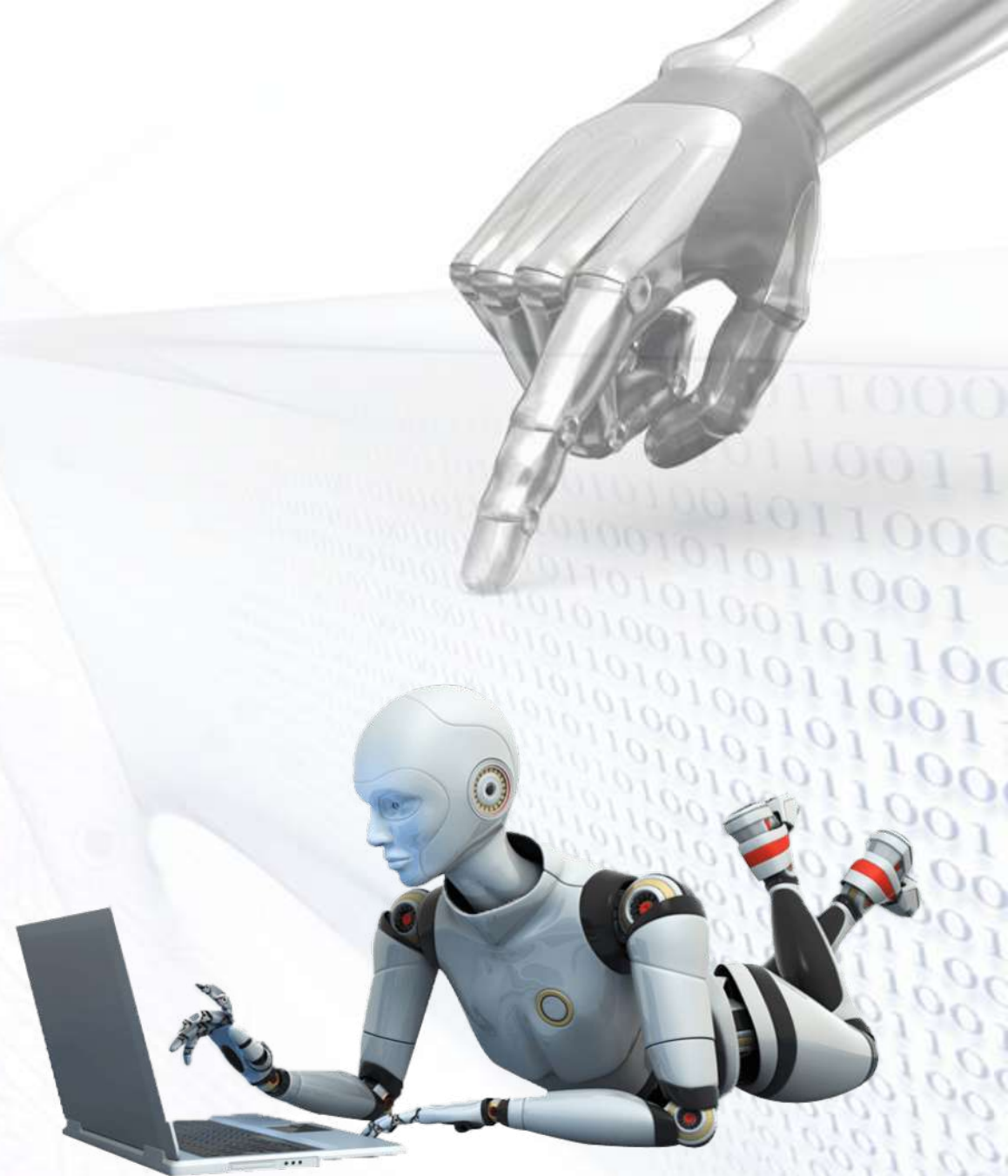


aCubelT
Institute of Artificial Intelligence

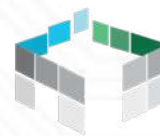
Machine Learning & Artificial Intelligence

Office: Ackruti Trade Center, MIDC, Andheri (E), Mumbai

Contact: 9892512129, prakash@acubeit.com, www.acubeit.com



Workshop Topics: Machine Learning Applications in Marketing



aCubelT
Institute of Artificial Intelligence

List of Topics:

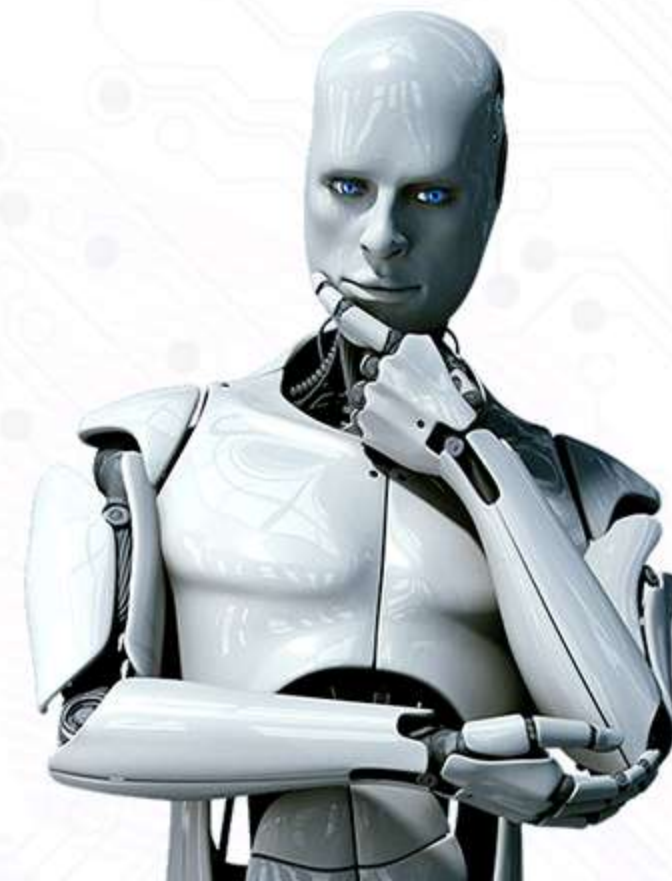
- ✓ **Module 1: Introduction ML-Driven Marketing Applications (2 Hours)**
- ✓ **Module 2: Fundamentals – Machine Learning Concepts (6 Hours)**
- ✓ **Module 3: ML Applications in Marketing: Industry Use-Cases (6 Hours)**
- ✓ **Module 4: Emerging Ideas in ML-Driven Marketing (2 Hours)**

Audience:

- ✓ Business majors specializing in Marketing (BMS, BBA, MBA, MMS, etc.)
- ✓ Students from other degree programs with a minor in business
- ✓ Students planning to pursue MBA / Master's Degree in Data Science, Business Analytics, & AI / Machine Learning in Marketing

Pre-requisites:

- ✓ Minimum coursework: at least one college-level course in Mathematics / Statistics is recommended but not mandatory



Workshop Topics: Machine Learning Applications in Marketing

✓ **Module 1: Introduction ML-Driven Marketing (2 Hours)**

- ✓ Introduction to the workshop
- ✓ Data-Driven Marketing Decisions
- ✓ Role of AI / ML in Marketing

✓ **Module 2: Fundamentals – Machine Learning Concepts (6 Hours)**

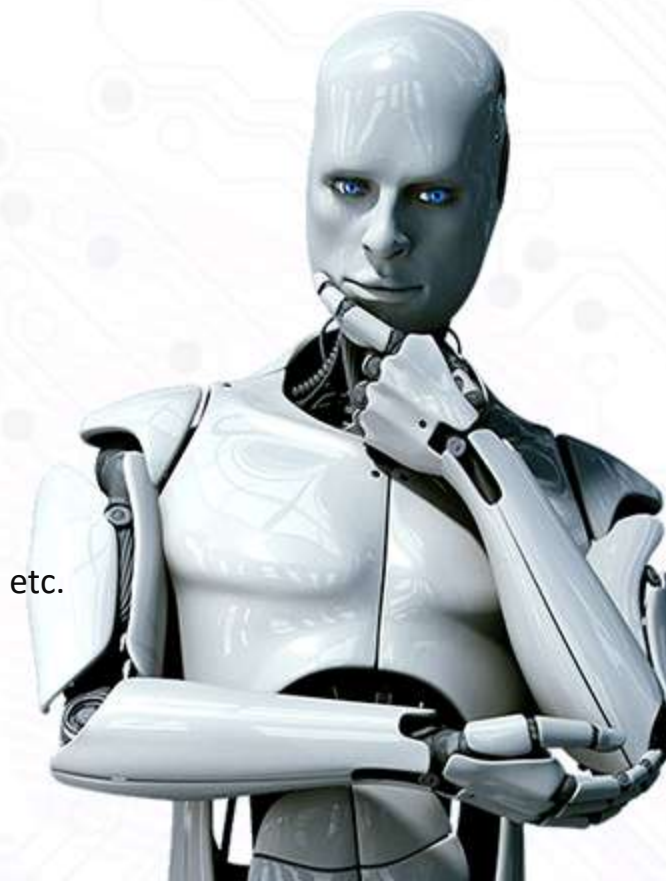
- ✓ Problem Definition, Understanding Data, Exploratory Data Analysis, Data Preparation
- ✓ Feature Importance & Selection, ML Algorithms, ML Model Performance Metrics

✓ **Module 3: ML Applications in Marketing: Industry Use-Cases (6 Hours)**

- ✓ Customer Segmentation
- ✓ Recommendation Engines
- ✓ Market Basket Analysis

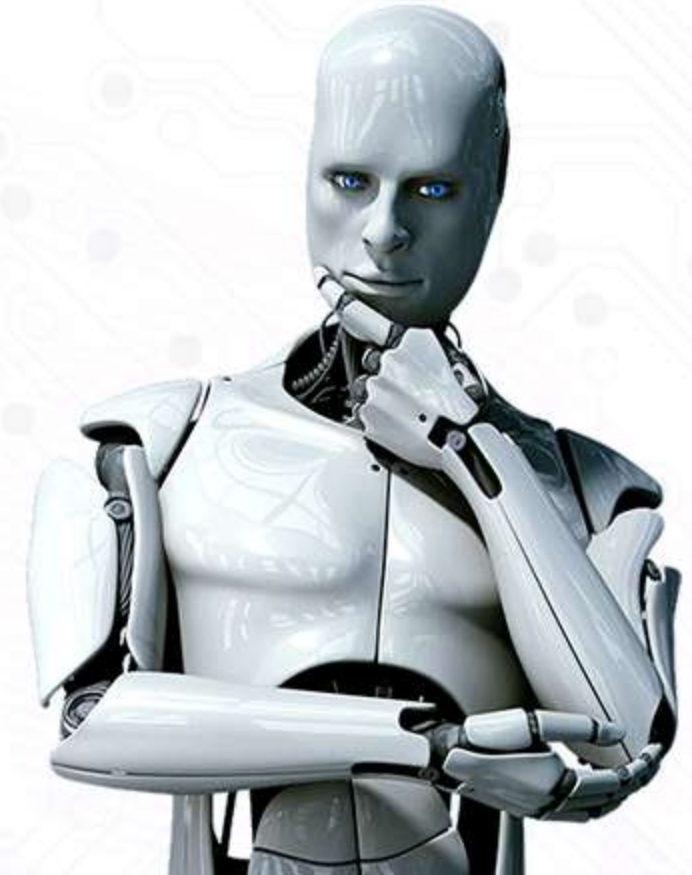
✓ **Module 4: Emerging trends in ML-Driven Marketing (2 Hours)**

- ✓ Enhancing Customer Experience, Hyper Personalization, Reinforcement Learning Applications in Marketing, etc.



Schedule: Machine Learning Applications in Marketing

- ✓ **Module 1: Introduction to ML-Driven Marketing (2 Hours) – Feb 15th, 2021**
- ✓ **Module 2: Fundamentals – Machine Learning Concepts (6 Hours) – Feb 16th, 2021 to Feb 18, 2021**
- ✓ **Module 3: ML Applications in Marketing: Industry Use-Cases (6 Hours) – Feb 19th, 2021 to Feb 22nd, 2021 (No class on Sunday, Feb 21st, 2021)**
- ✓ **Module 4: Emerging trends in ML-Driven Marketing (2 Hours) – Feb 23rd, 2021**
- ✓ **Evaluation:** Written assignment to be submitted latest by March 9th, 2021
- ✓ **Final Grades** Released by March 20th, 2021



Introduction to Advertisement
Resource person- Risabh Kapoor
Program Coordinatoor- Piyali Unnikrishnan

Sr no	UID NO	Name	Grade	Hub
1	181396	Aarushi Tulsiyan	A+	Lingua
2	182196	Aaryan Moorthy	A+	Physical Sciences
3	182140	Abhay Thomas	A+	Physical Sciences
4	181403	Anoushka Surana	A+	Lingua
5	182360	Aswin Dahal	A+	physical sciences
6	182345	Bonia Baby Pullan	A+	Physical Sciences
7	181362	Dhwani Shah	A+	Lingua
8	182385	Hamza Ajmeri	A+	Lingua
9	181161	Mallika Rahane	A+	Lingua
10	172411	Muskan Patodia	A+	nonhonors
11	182364	Palak Khanna	A+	Physical Sciences
12	192111	Pranav Johar	A+	Physical Sciences
13	181352	Rebecca Koshy	A+	Lingua
14	182382	Rhea Chawla	A+	Lingua
15	182352	Riya Grace John	A+	Physical Sciences
16	182310	Rohit Reji	A+	Physical Sciences
17	181114	Ruhi Jain	A+	Lingua
18	182193	Saher Hayat	A+	Physical Sciences
19	181422	Saksham Sondhi	A+	Lingua
20	182037	Samyukta Ramesh	A+	Physical Sciences
21	182150	Sanshya Kapoor	A+	Lingua
22	182185	Shimul B Bhagat	A+	Physical Sciences
23	182399	Shreyansh Rastogi	A+	Physical Sciences
24	182139	Vidushi Bhakat	A+	Physical Sciences



ST. XAVIER'S COLLEGE
(AUTONOMOUS)
5, Mahapalika Marg, Mumbai - 400 001,
INDIA.
☎ 2262 0661/65

To,
Mr Risabh Kapoor
Mondelez India Food Pvt. Ltd
Chocolate Insights Manager – India

Dear Mr Risabh Kapoor,

On behalf of the Department of Statistics, I thank you for conducting the lecture
“A Basic course in Advertisement” for our undergraduate students on 01st November in the
academic year 2020-2021.

Your lecture was well appreciated and the students have benefited greatly.

Looking forward to further academic interaction with you.

Thanking you,

Prof. (Ms.) Myrtle. C. Fernandes
Head – Dept of Statistics
St. Xavier's College – Autonomous
Mumbai.

Introduction to Advertising

Icebreaker session -30 mins

Market verticals and consumer centricity- 45 mins

Team activity 1 (Consumer profile)45 mins

Break15 mins

Building key insights (Concept essentials)45 mins

Team activity 2 (Prepare concept from advertisement)45 mins

Break15 mins

Journey from concept to advertising60 mins

LUNCH BREAK1 HR

Final team activity (Create an advertisement basis the concept) 120 mins

Team presentation60 mins

RISHABH KAPOOR

Phone: +91 9833123391

E-mail: rishabhkapoor86@yahoo.co.in

PROFILE SUMMARY

- A **proficient market insight professional** with over **10 years of work experience**
 - Currently associated with **Mondelez India Foods Private Limited** as Chocolate Insights Manager, I am primarily responsible for delivering compelling and actionable business recommendations based on consumer research and analytics to drive superior business results for our chocolates portfolio.
 - I have also been a part of Consumer & Market Insights team at **Colgate Palmolive (India) Ltd** and **Hindustan Unilever Limited** and have hands-on experience in both quantitative & qualitative researches like communication evaluation, product test, concept test and syndicated researches viz Nielsen retail audit & IMRB household panel
-

CAREER OBJECTIVE

To work with an organization that entitles me to utilize my skills and experience for personal as well as organizational growth

WORK EXPERIENCE

MONDELEZ INDIA FOOD PVT LTD

Chocolate Insights Manager – India

JAN 2018 - PRESENT

Key Responsibilities

- Be the voice of consumers within chocolate marketing team
- Lead monthly Insights scorecard & annual category review to determine growth avenues for chocolate business
- Partner marketing team to drive big bet innovations and renovations
- Identify agile ways of consumer testing to deliver research outcomes sooner
- Partner R&D teams on various product related researches

Business Impact

- Started a new practise of providing early read on performance of our new launches using mobile based digital research while allows course correction, wherever needed. Won 'Values in Action' award for the same
- Led category distribution expansion exercise to identify high FMCG throughput stores which would not only improve our numeric reach but can potentially give us incremental business opportunity of over USD 28 Mn
- Worked closely with the Innovation team for the launch of Cadbury Dark Milk in India and was awarded 'Insight of the Year' by India marketing leadership team (Advt. <https://www.youtube.com/watch?v=tR1sSLA9kBo>)
- Part of cross functional team to create 4-year strategic roadmap for our key brands
- Leveraged various sources of information to better understand consumer behaviour during Covid-19 and came up with several recommendations to continue driving appeal and relevance of Mondelez brands amongst consumers

COLGATE PALMOLIVE (I) LIMITED

Assistant Manager – Consumer Insights

FEB 2016 – JAN 2018

Key Responsibilities:

- Lead all syndicated researches (Nielsen, IMRB, and IRS) for India business
- Proactively identify issues and opportunities for Colgate brands e.g. growth of small packs, distribution decline in key markets, volume losses to competition brands etc
- Lead for all digital research projects for India viz Campaign evaluation and Cross media research in partnership with Google, Facebook, Hotstar and research agencies

Business Impact:

- Worked out an estimate of Patanjali's sales from its exclusive stores & determined its impact on category growth & Colgate shares
- Integral part of a cross functional team to re-look at the promotion strategy and created a ready reckoner for future promotions and consumer engagement programs
- Worked closely with brand teams on penetration loss for some of our brands to determine whether the same is because of reduced purchase occasions or increased lapsage

NIELSEN INDIA PVT LTD
Manager – Client Consulting

AUG 2014 – FEB 2016

Key Responsibilities:

- Understand client's business requirement and suggest a suitable solution. Drive client satisfaction by providing actionable inputs to the insights team
- Undertake sales activity independently or along with seniors in terms of preparation and delivery of proposals. Identifying and recommending enhanced products and services that answers clients' business needs
- Closely analysing retail panel data and deep dive into store level data to identify growth potential for client's brand – Penetration in high throughput stores, Extent of overlap within the portfolio and with competition, distribution opportunities etc

HINDUSTAN UNILEVER LIMITED (CONTRACT)

Assistant Manager - Consumer & Market Insights (South Asia)

APR 2012- APR 2014

Key Responsibilities:

- Work closely with the brand team to determine key business opportunities & issues and develop optimal research plan to address the same
- Manage research projects which include communication evaluation, concept and product tests. Co-ordinate projects with the research agencies. Interpret the research findings and provide actionable insights to the brand team
- Analyse retail panel, household panel and tracking data to study the share performance and understand the reasons behind the growth/ decline – distribution, price, penetration, consumption pattern, share of endorsement, awareness and input the same to marketing team for actions

IPSOS RESEARCH PVT LTD (EARLIER SYNOVATE)

Senior Research Executive – Quantitative

JUL 2010 – APR 2012

Key Responsibilities:

- **Client Management:** Co-ordinate with clients to understand the business issues and suggest suitable research methodology. Formulate proposal basis client brief and plan the research
- **End to end Project Management:** Questionnaire design, briefing the field team and monitoring the progress of the studies, examining the data and developing suitable hypothesis, preparing and presenting the findings to end client

Nature of projects handed:

- **Product and Concept related:** New product launch, existing product improvement, competitor benchmarking, product rationalization, concept short listing studies and concept - product test studies
- **Communication testing and Tracking studies:** Advertisement pre-testing & continuous brand tracking studies
- **Ad hoc studies:** Customer satisfaction and category understanding studies

ACADEMIC CREDENTIALS

Course	University	Year of Passing	Percentage
MBA (Marketing)	Mumbai University	2010	72%
B.E (Electronics & Telecommunication)	Mumbai University	2008	71%

PERSONAL DETAILS

Date of Birth : November 4, 1986
Hobbies : Playing outdoor games, listening to music, watching cricket and tennis
Address : 201, Shree Dutt Krupa, Sector 12, Vashi, Navi Mumbai
Language fluency : English, Hindi

Name	Class	Hub	UID	Roll no.	CGPA
Saksham Sondhi	TYBA	Lingua	181422	80	9.01
Anoushka Surana	TYBA	Lingua	181403	157	8.7
Malika Rahane	TYBA	Lingua	181161	140	9.77
Aarushi Tulsyan	TYBA	Lingua	181396	156	9.39
Dhwani Shah	TYBA	Lingua	181362	151	9.43
Rebecca Koshy	TYBA	Lingua	181352	150	9.49
Ruth Jain	TYBA	Lingua	181114	138	9.97
Sanshya Kapoor	TYBSc	Lingua	182150	301	8.69
Hanza Ajmeri	TYBSc	Lingua	182385	321	8.24
Rhea Chawla	TYBSc	Lingua	182382	320	8.91
Aaryan Moorthy	TYBSc	Physical Sciences	182196	308	8.67
Vidushi Bhakat	TYBSc	Physical Sciences	182139	295	9.3
Samyukta Ramrath	TYBSc	Physical Sciences	182037	299	8.44
Bonita Baby Pullan	TYBSc	Physical Sciences	182345	315	9.43
Shimul B Bhagat	TYBSc	Physical Sciences	182185	306	8.92
Saher Hayat	TYBSc	Physical Sciences	182193	307	9.1
Palak Khanna	TYBSc				
Aswin Dahal	TYBSc	Physical Sciences	182360	322	7.59
Ashley	TYBSc	Physical Sciences	182140	296	9.02
Muskan	TYBSc	Non honours	172411	287	9.92
Rohit Raj					
SHREYANSH RAS	TYBSc	Physical Sciences	182399	194	8.58

Name: **Priyanka Sakhardande**

Designation: Datascience and Analytics



BIODATA

Consultant

Educational Qualifications

Bachelor's of Science from Ramnarain Ruia College, Mumbai University, in Statistics Mathematics and Economics (2008)

Master's of Science in Statistics with specialization in Data Mining (2010)

Academic Awards

1. Felicitation by Ramnarain Ruia College for exemplary performance in academics in Bachelors degree
2. Awarded 1st prize in academic analytics project conducted

Service Awards

1. Champions Award Yearly at Prudential Global services for team participation
2. Fractal Excellence Quarterly Award for innovative approach

Professional Journey

- **Iracle Analytics**, Analytics Consultant (Nov 2019 - Present)
- **10FA – MandG India Plc (Formerly known as Prudential Global Services)**, AI and Advanced analytics COE. Deputy Manager (March 2017-Present)
- **Deloitte Touche Tohmatsu India LLP**, Mumbai Strategy and Advanced Analytics Consultant (December 2015-March 2017)
- **Fractal Analytics Pvt. Ltd.**, Mumbai Analytics Lead (January 2012-December 2015)

Roles and Responsibilities

- Managing a team of 5 with end to end responsibility of deliverables along with stakeholder management across US, UK and Singapore
- Working in an onshore – off shore model, collaborate with different teams and execute projects in an agile manner, also undertake business development activities
- Onsite travel for participating in stakeholder business meetings, participate in in house hackathons
- Participate in business development and client acquisition for advanced analytics service line
- Study analytics used cases for global clients in order to be applied for India clientele

- Participated and volunteered in the organizing team for analytics summit 2016 organized by Deloitte and Cypher 2016 by India Analytics Magazine. Designed survey to envision data sciences trend in India and created report on the study
- Team Lead for POCs as analytics research consultant
- Independently executing delivery role and project managing - client facing engagements alongwith managing analytics team of 8-12 consultants
- Client interaction to understand business questions, determine analytical approach, design and provide statistical solutions
- Develop project plan and ensure streamlined deliveries by team members
- Participating and leading trainers team in firm building activities and working on scaled solution problems as Statistical SME
- Conducting learning sessions to provide training to overseas clients for statistical techniques and technology
- Lead initiatives proactively for efficiency improvement of projects through automation and increase scalability

Projects undertaken

- Financial strategy segmentation of customers based on their financial attitude, aptitude and competency
- Risk and portfolio management UI application development
- HR Attrition modeling for one of the biggest conglomerate in Indian industry. Developed logistic model, random forest model, and used classification algorithm on R
- Predictive model for business drivers and drainers identifying model for premium car manufacturing company. Developed decision tree model in R and designed descriptive analytics reports using salesforce database

Other projects

- Market Research
- Choice Based Conjoint Analysis on GSM Mobile and WiMAX Internet
- Pricing Study using Configurator Analysis Models
- Pilot survey on awareness/buying decisions of solar energy products
- Banking/Insurance & Stock Market
- Prediction of Claims Quality at underwriting Stage
- Stock Market Prediction Model
- Time Series Model

Analytical Skillset

- **Techniques** – Inferential statistical tests, multivariate linear/loglinear/logistic regression analysis, Naïve Bayes modelling, structural equation modelling, factor analysis, principal component analysis, cluster analysis, predictive Bayesian analysis, random forest modelling, conjoint analysis, time series analysis and forecasting

- **Tools** – R, Python, SAS base, SAS EG, SAS JMP, SPSS, SPSS Survey Reporter, Bayesia Lab, Knime, LISREL, TIBCO-SPOTFIRE, Tableau, SQL and Microsoft Office

Training Assignment

- **Fractal Analytics Academy, (2012-2015)**, Advanced Analytics and SAS Trainer
- **St. Xavier's College of Arts and Science (2019-20, 2018-19, 2017-18)**, Advanced Analytics and R Trainer
- **Bhavans College (2018-19)**, Advanced Analytics and R Trainer
- **Sankhya Analytics – Eduqual University UK, Post Graduate Diploma in Data Science (2014-present)**, Data Science Trainer

Content Development - Big data paper on Sanaitics portal



St. Xavier's College - Autonomous
T.Y.B.Sc. 2020 - 2021

STATS.

6 UNITS

Professor : i Unnikrishnan

Month : _____ July

No. of Lectures engaged

SUBJECT : STATISTICS (STATS.)

PAPER : SSTAO503

[illegible]

[illegible]

[illegible]



ST. XAVIER'S COLLEGE

(AUTONOMOUS)

5, Mahapalika Marg, Mumbai - 400 001,
INDIA.

☎ 2262 0661/65

To Ms. Priyanka Sakhardande
Deputy Manager, AI and Advanced Analytics
M&G Prudential

Dear Ms. Priyanka Sakhardande,
On behalf of the Department of Statistics, I thank you for conducting the workshop "Application of Logistic regression techniques in finance" for our undergraduate students in the academic year 2020-2021.

Your lecture was well appreciated and the students benefited greatly.
Looking forward to further academic interaction with you.

Thanking you,

Prof. (Ms.) Myrtle. C. Fernandes
Head-Dept of Statistics
St. Xavier's College-Autonomous
Mumbai.

Application of logistic Regression To Finance

- 1) Data Analysis in R
- 2) Introduction to Linear Regression
- 3) Linear Regression
- 4) Introduction to Logistic Regression
- 5) Logistic Regression
- 6)



Title: Application of Multiple Linear Regression Using Insurance Case Study

- i) Insurance sector
- ii) Real Estate

Learning Outcomes:

1. Learn to use MLR in real life situation
2. Learn to validate assumptions and implement remedial measures to finalise the model

SHEETAL JOSHI

Director: Sankhya Analytical Research Pvt. Ltd. (since 2013)

Mumbai-400018. India.

sheetal@sankhyaanalytics.com

Provided data driven solutions in Marketing, Market Research, Risk Management and Clinical Research for clients across BFSI sector in India.

Partner: Anapro Strategies LLP

M.A. Economics/Statistics, Mumbai University (2004)

- Highly experienced in designing and delivering corporate training programs in SAS/R/Business Analytics
- Vast experience in technology stack used in data science- R/SAS/Python/SQL
- Started Market Management department at Bajaj Allianz General Insurance Responsible for Initiatives in Customer Lifetime Value Management, Brand Performance Measurement and Net Promoter Score
- Developed platform for Lead Management System, Created single customer view and campaign management (2011-12)
- Customized clinical data management tool Open Clinica for global clinical trial



ST. XAVIER'S COLLEGE
(AUTONOMOUS)
5, Mahapalika Marg, Mumbai - 400 001,
INDIA.
☎ 2262 0661/65

To,

Ms. Sheetal Joshi
Director: Sankhya Analytical Research Pvt. Ltd.
Partner: Anapro Strategies LLP

Dear Ms. Sheetal Joshi

On behalf of the Department of Statistics, I thank you for conducting the lecture
“Application of Multiple Linear Regression Using Insurance Case Study” for our undergraduate
students on 12th March in the academic year 2020-2021.
Your lecture was well appreciated and the students have benefited greatly.
Looking forward to further academic interaction with you.

Thanking you,

Prof. (Ms.) Myrtle. C. Fernandes
Head – Dept of Statistics
St. Xavier's College – Autonomous
Mumbai.

304 Ishita Mohta 182178 is talking...



Feedback Report

Market Research Program

Class: FYBA

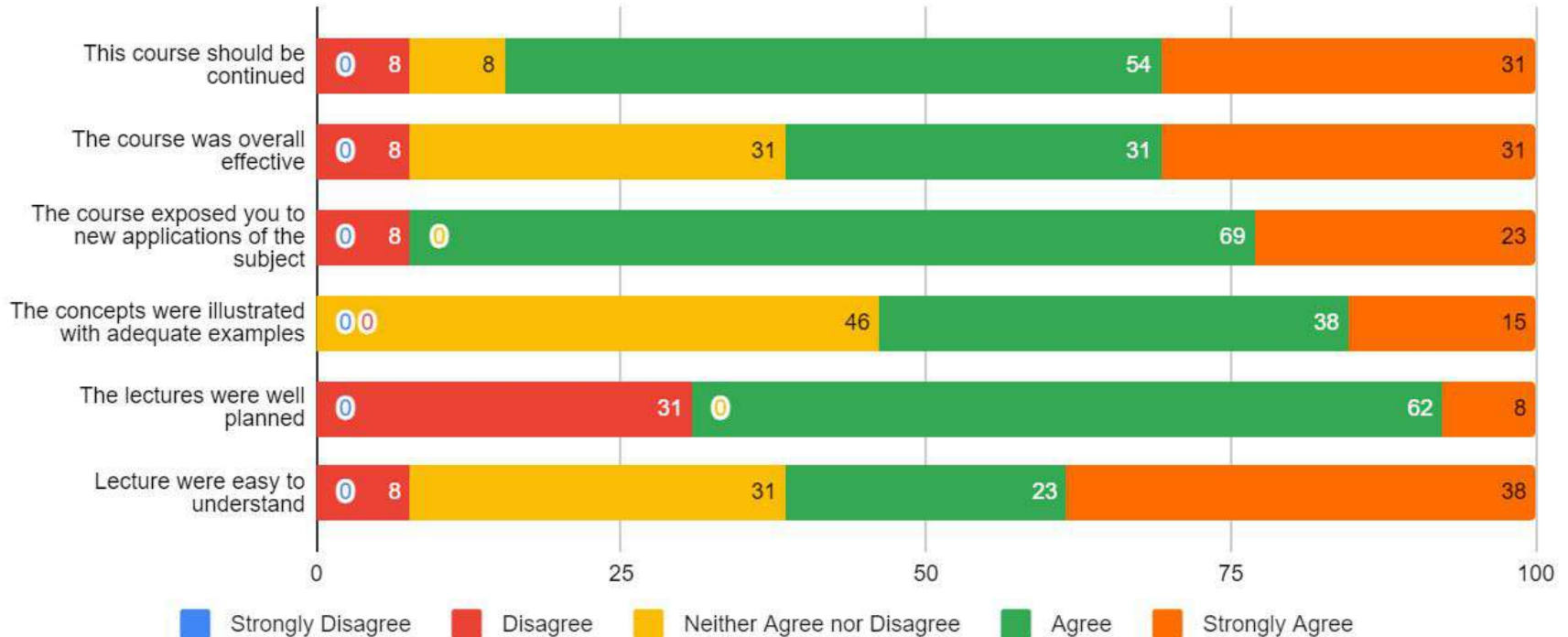
Year 2020-21

Total Number of Respondents: 13

[Link for Responses](#)

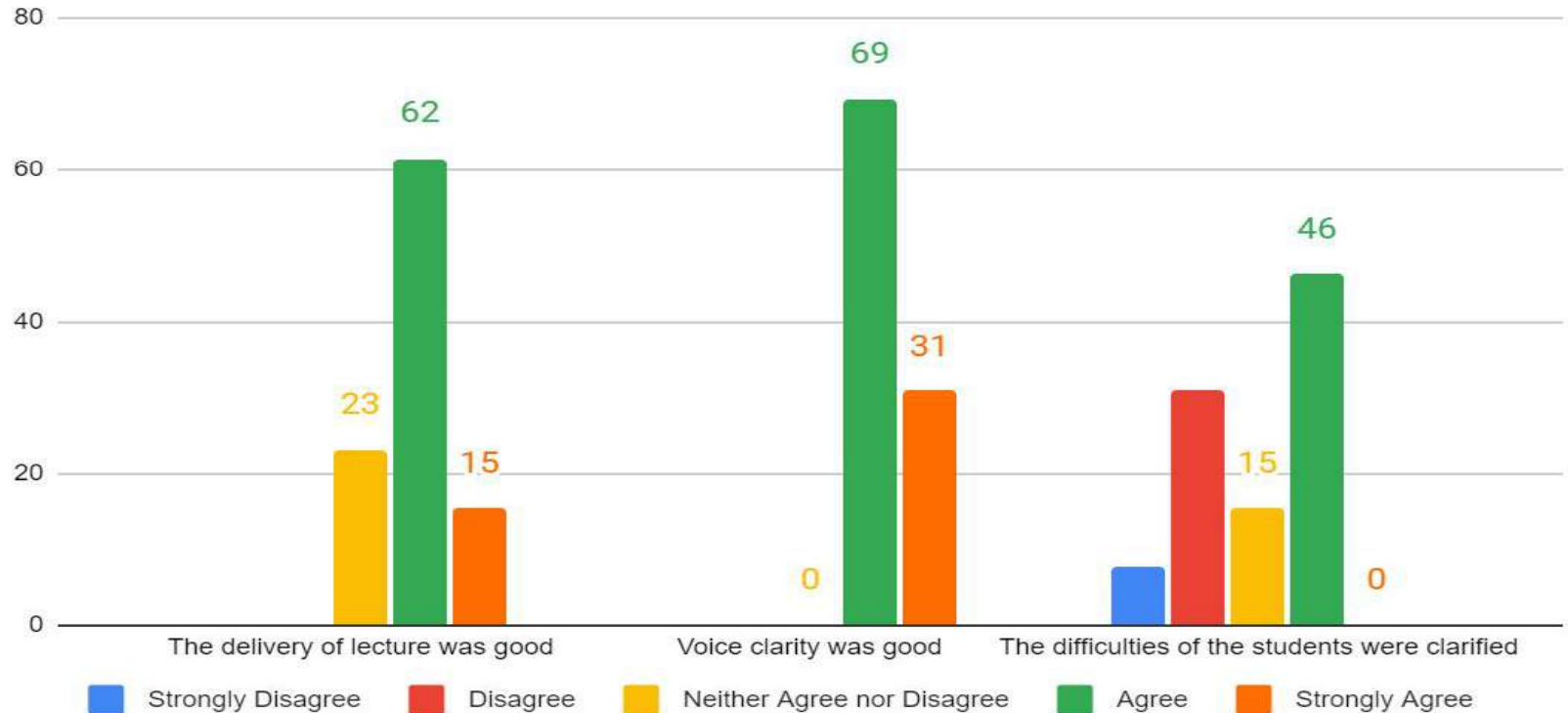
Based on Lectures

Values mentioned are in percentages



Based on Resource Person

Values mentioned are in percentages



Suggestion

Course content must be revised. Time spent on topics like types of questionnaires, methods of collecting data etc should be reduced. Instead more time should be spent on data cleaning and data analysis(segregating the sample and analysing, descriptive statistics and regression(not just binary) as these topics are not included in the syllabus.

	Market Research Program	Class-FYBA	
	Resource Person- Jiggar Rambhia		
	Program Coordinattor- Piyali Unnikrishnan		
Sr No			Grade
1	Dhwani Saxena	201062	A
2	Sneha Anand	201046	A
3	Leanne Rose	201037	A
4	LISA LEO DCOSTA	201055	A
5	parth suri	201072	A
6	Aditi Prakash	201007	A
7	Shruti Sharnagat	201429	A
8	Rishika Singh	201044	A
9	Keya Daruwala	201471	A
10	Shweta P	201288	A
11	Yati Mishra	201011	A
12	Gargi Palaskar	201480	A
13	Alvin Joyce	201324	A
14	Janani Krishnamurthy	201304	A
15	Tisha Shah	201006	A
16	Aliya Rajpal	201051	A
17	Surabhi Mishra	201041	A

18	Saloni Shaili Gala	201013	A
19	Harry George	201315	A
20	Kelly Dabreo	201104	A+
21	Jahnavi Jaipuriyar	201424	A
22	Kushi Naidu	201080	A
23	Shefin Joy	201329	A
24	Samarth Khanduri	201485	A
25	Astle Sylvester Dsa	201159	A
26	Ruth D'souza	201020	A
27	Manasvi Shah	201023	A
28	Eva Bhiwandkar	201308	A
29	Chandini Sahni	201035	A
30	Nitika Khemani	201061	A
31	Harshita Dubey	201066	A
32	Kripa Jalan	201425	A
33	Ikshita Jain	201029	A
34	Khushi Rathod	201466	A
35	Urv More	201009	A
36	Shobhana Suresh	201016	A
37	Surabhi Mishra	201041	A



St. Xavier's College (Autonomous), Mumbai
Department of Statistics

Certificate of Completion

This certificate is awarded to

Ruth D'souza

of class **FYBA**

for successfully completing the online course

“Market Research Program”

during academic year 2020-21 and secured grade **“A”**

Prof. Piyali Unnikrishnan
Professor In-charge

Prof. Myrtle C. Fernandes
Head
Department of Statistics

Grades: A+: 80% and above, A: 75-80%, B+: 70-75%, B: 65-70%, C+: 60-65%

Zoom Meeting

Recording...

Jigar Rambhia is talking...

084 Jahnvi Jaip...	105 Samarth Kh...	120 Parth Suri 2...	018 Lisa Dcosta ...	016 Sneha Anand
002 Aditi Prakash	037 Leanne Rose	020 Dhvani Sax...	017 Aliya Rajpal	068 Eva Bhiwan...
007 Manasvi Sh...	015 Rishika Sing	041 Astle Dsa	085 Kripa Jalan ...	010 Chandini Sa...
075 Alvin Joyce	014 surabhi mis...	066 Janani Krish...	004 Yati Mishra ...	103 Keya Danuw...
063 Shweta P 288	224 Shobhana S...	021 Harshita Dui...	088 Shruti Shar...	001 Tisha Shah

Type here to search

99+

ENG 13:38 21-02-2021

Addiction and Schizophrenia

Department of Chemistry,
St. Xavier's College (Autonomous), Mumbai

1.

The session will be from 10.00 am to 11.00 am, IST. Please report on ZOOM, at 09.50am. The Zoom ID will be sent to you on the WhatsApp group.

2.

Attendance is mandatory for a certificate to be issued.

3.

The organizers are not responsible for any technical issues at the participant end.

By Mr. Shankar Anand Bhat

For more guidelines contact
Kyle Meyers - 9769589102
Neha Kapadia - 9920276851

Registration Details:

- Filling the registration form is mandatory. There is no registration fee applicable.
- To Register please fill the google form by clicking on the following link: <https://forms.gle/5TQSKyCFnfYaup298>
- Join the WhatsApp group via the link at the end of the Registration form for further details.
- Attendance is mandatory for an e-certificate to be issued.
- A link to fill the feedback form will be sent to the WhatsApp group after the session. Filling the feedback form is mandatory to get an E - certificate, which will be sent to you on your registered email ID within 2 - 3 working days.
- The organizers are not responsible for any technical issues at the participant end.

Special thanks to:

Dr. Rajendra Shinde, Principal

Mr. Marazban Kotwal, Head, Department of Chemistry

International Neuroscience Webinar

14-10-2020

Creighton University
Nebraska, USA

Creighton
UNIVERSITY



St. Xavier's College
(Autonomous),
Mumbai

“Placebo and Nocebo Effect”

Speaker:

Dr. Fr. Roy J. J. Pereira, SJ
Associate Professor,
School of Medicine
Creighton University

9769589102/9920276851

kyle.meyers@xaviers.edu/neha.kapadia@xaviers.edu

About St. Xavier's College (Autonomous), Mumbai:

St. Xavier's College founded in 1869 by 'Society of Jesus', is a premier Jesuit Institution, known for its academic excellence and commitment towards humanity with its ethos based on the 'magis' - striving for 'the more'. It is one of the few institutions who have completed their sesquicentennial year in 2019.



Speaker:

Dr. Fr. Roy Pereira, SJ

Fr. Pereira was previously the head of the Department of Chemistry and provost/vice principal at St. Xavier's College in Mumbai, India, where he taught chemistry and neuroscience and was involved in international programming, first as the director of international programs and then as provost.

Fr. Pereira joined Creighton in January, 2020 as the Anna and Donald Waite Endowed Chair in Jesuit Education.

He has now been named the new Charles and Mary Heider Endowed Jesuit Faculty Chair since July 1, 2020. As the Heider Chair, Fr. Pereira joined the School of Medicine's Department of Medical Humanities, while also contributing his experience and expertise in international and study abroad programming with the Global Engagement Office (GEO).



Session Timings:

The session will be from 10.00 am to 11.00 am, IST. Please report on ZOOM, at 09.50am. The Zoom ID will be sent to you on the WhatsApp group.

Registration Details:

- Filling the registration form is mandatory. There is no registration fee applicable.
- To Register please fill the google form by clicking on the following link: <https://forms.gle/5TQSKyCFnfYaup298>
- Join the WhatsApp group via the link at the end of the Registration form for further details.
- Attendance is mandatory for an e-certificate to be issued.
- A link to fill the feedback form will be sent on the WhatsApp group after the session. Filling the feedback form is mandatory to get an E - certificate, which will be sent to you on your registered email-ID within 2 - 3 working days.
- The organisers are not responsible for any technical issues at the participant end.

Special thanks to:

Dr. Rajendra Shinde, Principal

Mr. Marazban Kotwal, Head, Department of Chemistry

Neuroscience Webinars in 2020

Two sessions were organized by the Dept. of Chemistry for the T. Y. Neuroscience (Applied Component) course.

The first session was by Mr. Shankar Anand Bhat on the concept of Addiction and Schizophrenia. His interaction with the students has been for many years and his Neuroscience enthusiasm resonates with the students. He detailed students on the biochemistry of addiction and the nature (or sciences) of Schizophrenia. The session was attended not just by the students of the Neuroscience course, but by students of other departments of St. Xavier's College as well as students from other colleges. Nearly 100 students attended the session.

The second talk was by Dr. Fr. Roy J. J. Pereira S.J., Associate Professor, School of Medicine, Creighton University, Omaha, Nebraska, USA. He gave a talk on one of his most strongly attributed subjects of Neurosciences - The Placebo and Nocebo Effect. It was not just a monologue lecture, but one filled with a lot of discussions and debates. The sessions were not only enlightening but also mentally stimulating to rationalize, read and research more into these neo-dimensions of Neuroscience.



Psychology Dept.
Annual Khandala Seminar
2020-21

Virtual & **REALITY**

Date to be confirmed
(January 2021)

**OPEN TO
SENIOR
COLLEGE
PSYCHOLOGY
STUDENTS**



**Training on
how to work
on a seminar
paper...
is on Friday
16th Oct 2020
at 4.30pm**

*You're
Invited!*

**Focus on the VIRTUAL
or on the REALITY aspect of your
chosen topic or on a comparison
between these two aspects**



SUBTHEMES

- **IDENTITY** (profiles, gender, culture, religion, politics)
- **THE PANDEMIC** (change, adjustment, resilience, coping)
- **RELATIONSHIPS** (interactions with others, intimacy, loneliness, communication, conflict)

SUBTHEMES

- **MEDIA** (advertising, persuasion, literature, gaming)
- **WORK & EDUCATION** (workspace, work processes, learning, schools/colleges)
- **CRIMES & MENTAL HEALTH** (violence, bullying, cybercrimes, addictions)

TIMELINE FOR TASKS

CHOOSE A SUBTHEME to review (Oct 2020)

Start reviewing research articles in an area that interests you and **SELECT/CONFIRM A SPECIFIC TOPIC**. We cannot allow too much overlap so among the presenters so the sooner you choose your topic, the better.

CREATE AN OUTLINE for your topic (Nov 2020)

Organize your chosen theme into subtopics and brief contents. List your references. Discuss your outline/synopsis to your guide.

WRITE YOUR SEMINAR PAPER (Dec 2020)

Start writing the content of the paper and keep track of the references that will need to be cited correctly. The written paper needs to be submitted before the seminar presentation.

PLAN YOUR PRESENTATION (Jan 2021)

You will be allotted a duration of around 25 mins for presentation and 10 mins for the discussion with the audience & feedback from them. IF WE GO TO KHANDALA THERE WILL BE NO PPT FOR YOUR PRESENTATIONS.

*Start with attending the training
on Fri 16th Oct 2020 at 4.30pm*

Zoom Meeting

RUBY PAVRI is talking...

View

276 Manasi Pand...

227 Aditi Bhanus...

299 Alanksha Sa...

261 Feri Sheth T...

294 Bharanya M...

291 Ann Naveen

331 Sakshi Bajari

238 Rashmi Jari

273 Rachel Jacob...

235 Avani Kane 1...

269 Devayani Vy...

271 Sonia Rawal ...

304 Ishita Goyal...

223 Anushka Dey

215 Prishi Jain 19...

282 Keerthana Ja...

223 Meghna Ban...

224 Natasha Mir...

286 Shifa Thokan...

239 Khushi Shah ...

315 Tanisha Kam...

239 Sneha Roy

226 Divya Nair...

268 Angeline Co...

282 Aashumi Va...

Mute

Stop Video

Security

Participants 49

Polls

Chat

Share Screen

Record

Reactions

More

End

Chat

thank you ma'am

From 261 Feri Sheth 191215 to Everyone: don't want this to end :'

From 294 Aasha Mulla 181194 to Everyone: thank you everuoneeee

From 302 Hiral Kapadia 181361 to Everyone: +1 Aisha

From 273 Rachel Jacob 126 to Everyone: thanks ma'am!!

From 331 Sakshi Bajaria 201492 to Everyone: +1 feril

From 296 Aysha Coutinho 181246 to Everyone: same

From 283 Disha Chheda to Everyone: thank you ma'am also the seniors!

From Vidita Save to Everyone: thank you

From 280 Sarah Fernandes 191421 to Everyone: thank you to everyone who made this experience a memorable one - teachers, students, everyone

From 319 Tanisha Kamat 443 to Everyone: thankyou!!

To: 208 Minoti K... (Privately)

Type message here...

Type here to search

ENG

16:04

19-02-2021

Zoom Meeting You are viewing 253 Natasha Makuden 191187's screen View Options

Contents:

1. Why choose this topic?
2. Methodology
3. Theories on why we pray
4. Freud's view
5. Community life
6. Cognitive aspect of religion
7. Significance of ceremonial objects
8. Religious Institutions
9. Limitations
10. Inferences

Psychology of Faith and Spirituality in the Virtual Space.

- Natasha Makuden, SYBA

282 Aashumi Va... RUBI PAVRI

298 Janhavi Jad... 276 Manasi Pan...

253 Natasha Ma... 258 Angeline...

273 Rachel Jaco... Vidita Save

217 Sanjali Desa... 294 Aisha Mulla...

Unmute Stop Video Security Participants Polls Chat Share Screen Record Breakout Rooms Reactions More End

Type here to search

Zoom Meeting View

Chat

thank you ma'am

From 261 Feril Sheth 191219 to Everyone: don't want this to end :)

From 294 Aisha Mulla 181194 to Everyone: thank you everuoneeee

From 302 Hiral Kapadia 181361 to Everyone: +1 Aisha

From 273 Rachel Jacob 126 to Everyone: thanks ma'am!!

From 331 Sakshi Bajona 201492 to Everyone: +1 feril

From 296 Aysha Coutinho 181246 to Everyone: same

From 263 Dishita Chheda to Everyone: thank you ma'am also the seniors!

From Vidita Save to Everyone: thank you

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From 319 Tanisha Kamat 443 to Everyone: thankyou!!

To: 206 Minoti K... (Privately)

Type message here...

258 Janhavi Jad... RUBI PAVRI 299 Shannon Fer... 249 Allen Elias B... 282 Aashumi Varad... 263 Dishita Chhe... 217 Sanjali Desai... 292 Francine Car... 207 Miral Gada... 253 Natasha Ma... 294 Aisha Mulla... 290 Reeti Rai 18... 262 Zaneta Pere... 259 Krushmi Sha... 290 Sarah Pafina... 302 Hiral Kapadi... 288 Vedanshee... 272 Dhvani Shah... Vidita Save... 296 Aysha Coutin... Prashida Shah... 301 Vashuja Na... 210 Triha Bharti... 280 Darshni Pare... 276 Manasi Pand...

Mute Stop Video Security Participants Polls Chat Share Screen Record Reactions More End

Type here to search

**THE ANNUAL PSYCHOLOGY (KHANDALA) SEMINAR
AY 2020-21**

	General Information of the Activity	
1.	Department and Hub	Lingua Humanities
2.	Title of the Activity	Psychology Khandala Seminar
3.	Name of the Professor taking the course and Email address	Ruby Pavri ruby.pavri@xaviers.edu
4.	Name/s of the Resource person/s	All faculty and the TA are involved
5.	Name of the Dept Coordinator and Email address	Ruby Pavri ruby.pavri@xaviers.edu
6.	Name of the Hub Coordinator and Email address	Dr. Pearl Pastakia
7	Number of credits for the activity and number of hours	2 credit (minimum 30 hours) for research, presentation and submission of the seminar paper Students are given training on how to do research and to make effective presentations in front of a group of peers. Audience members are also given criteria to consider (based on the content and process of the presentation) so that the feedback for the presenter is constructive. The grade is given based on the quality of the presentation at the seminar, collated audience feedback and the written submission of the paper. .
8	Fees	NIL (was held offline)
9	Eligibility	Only Psychology students of FY, SY and TY
10	Number of students	30 paper presenters
11	Duration and Time	The process usually begins in August and ends in February. Registration links were shared and training session dates were announced only in the Psychology classes itself. The two Days for paper presentation at

		the seminar were 18th and 19th Feb 2021
--	--	---

	Details of the Activity	
1	Title: PSYCHOLOGY KHANDALA SEMINAR	
2	Learning Objectives: ● To conduct a thorough literature review for a Research Paper ● To conduct primary research (if the theme lends itself to it) ● To write an academic paper that is submitted for grading ● To present the paper at the Annual Department seminar ● To give and receive constructive feedback	
3	Learning Outcomes: RESEARCH: Presenters will have learnt about research by engaging in the process of doing a thorough literature review using credible sources (and some students would have learnt to collect and analyze primary research data as well) WRITING: Presenters will have learnt about structuring and writing an academic seminar paper with appropriate citing of reference sources. PRESENTATION: Presenters will have learnt (by doing and observing) what contributes to effective and ineffective presentation skills. The question and answer session at the end of their presentation will have contributed to their self-efficacy FEEDBACK: Students will have learnt to give and receive constructive feedback.	
4	Description PSYCHOLOGY Every year 80-100 students participate and around 20-40 papers are presented across two/ three simultaneous groups. The presentation sessions last 45 minutes each, with 30 minutes for the speaker and 15 minutes for audience interaction, discussion and feedback. A student chairs the session by introducing the speaker, maintaining time and facilitating the Q and A interaction. Audience members can even ask about aspects of the paper that were not covered due to time constraints. An outline (including subtopics, brief explanations & references) of the paper is given to each audience member, at the start of the session. No PPTs are used in Khandala (however, in the online format, use of slides was permitted). Student presenters are given a training / orientation session on referencing skills and presentation skills before the seminar and they also learn about effective techniques as they observe others present and listen to audience feedback. Students note down their thoughts and opinions as they listen to each paper. The criteria on which feedback is given are specified.	
	CRITERIA based on the content of the paper	CRITERIA based on the process / presentation

	Extent of reference work	Communication (tonal quality, audibility etc)
	Knowledge of the topic	Efforts to aid presentation (cases, pictures)
	Ability to make it comprehensible	Management of time
	Sources / methods of data collection	Interest arousal in audience
	Information in the Indian context	Audience participation in the interaction
	Personal insights / reflections	Ability to answer questions
Concrete, honest feedback is encouraged because this is a learning experience for all and mastery is achieved through openness to feedback. The final grade on the certificate given by the department takes into account the effectiveness of the presentation, the quality of the written paper and collated audience feedback.		
5	Modules if any	

THE THEME FOR 2020-21 was 'VIRTUAL & REALITY'.

All 3 staff members (Ruby, Linda, Dean), department TA (Vidita Save), conducted the annual seminar with 98 student participants registered 36(FY) 38(SY) 24(TY). It was held online from 18th-19th Feb 2021. There were 30 papers presented.

Subthemes:

IDENTITY (profiles, gender, culture, religion, politics)

THE PANDEMIC (change, adjustment, resilience, coping)

RELATIONSHIPS (interactions with others, intimacy, loneliness, communication, conflict)

MEDIA (advertising, persuasion, literature, gaming)

WORK & EDUCATION (workspace, work processes, learning, schools/colleges)

CRIMES & MENTAL HEALTH (violence, bullying, cybercrimes, addictions)

SR NO.	NAME	TOPIC	CLASS	UID NO.
1	Miral Gada	The Effects of Social Media on Self-Perception of adolescents (me in reality v/s me on social media)	SYBA	191019
2	Sarah Chriscyl Fernandes	The construction and Implementation of Ideal Self through Virtual and Online Games	SYBA	191421
3	Rishika Shah	The Dichotomy of Political Ideologies	SYBA	191351

4	Rashmi Ijari	Are you enough?: Effects of social media on self esteem of adolescents	FYBA	201043
5	Darshini Parekh	The role played by movies in shaping identity	TYBA	181041
6	Hiral Kapadia	The trait of Honesty-Humility and decision making through Game theory	TYBA	181361
7	Dhwani Shah	Mental Health and Sleep during COVID-19	SYBA	191282
8	Toral Mandrekar	Influence of the pandemic on professional athletes	TYBA	181154
9	Natasha Makuden	Psychology of faith and spirituality in the virtual space	SYBA	191187
10	Greati Mapilaparambil	Resilience amid Covid: impact of social support on individuals	TYBA	181301
11	Ishitaa Goyal	The New Avatar of Romantic Relationships: Virtual	SYBA	191499
12	Zaneta Pereira	Understanding formation of online romantic relationships and it's effects on Wellbeing	SYBA	191220
13	Keerthana Jagannathan	The effect of movie romance on teenage relationship	SYBA	191396
14	Shobhana Suresh	Aftermath of leaving a toxic relationship	FYBA	201016
15	Krushmi Shah	Effects of technoference on Parents, Children and their relationship	SYBA	191206
16	Sanjali Desai	Communal Relationships and happiness	SYBA	191058
17	Akanksha Bapat	Nuances of Online Friendship	TYBA	181155
18	Shelly Dwivedi	Effects of technology on interpersonal communication	FYBA	201297
19	Joanne Johnson	Influence of Media Narratives on Gender Identity: Presentation and Construction	TYBA	181111
20	Allen Elias Babu	Masculinity and Men's Mental Health	TYBA	181107
21	Khushi Shriyan	Psychology of Posting on social media	SYBA	191094
22	Aisha Mulla	Media as a means of psychological manipulation - with reference to 1984 by George Orwell	TYBA	181194
23	Aditi Bhanushali	Mirroring fictional characters	SYBA	191087
24	Devayani Vyavaharkar	Burnout in the virtual workplace	TYBA	181066
25	Manasi Pandit	Mental Health and work performance in Work from home vs workplace	TYBA	181021
26	Trisha Bharti	Behind the Screens : The Psychology of Cybercriminals	SYBA	191031
27	Shannon Fernandes	The Polymath Principle: A Correlational Study between Polymath Belief, Self-Efficacy, and Personality	TYBA	181281
28	Vishnuja Nambiar	The Reality of Inclusion	TYBA	181360
29	Reeti Rai	Cybersecurity and Psychology	TYBA	181169

30	Feril Sheth	Exploring how dark tetrad and loneliness leads to the rise of online abuse	SYBA	191219
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SR NO.	NAME	TOPIC	CLASS	UID NO.	FINAL GRADE	HONOURS	Participants TOTAL 98 FY = 36 SY = 38 TY=24 Paper presenters 30
1	Miral Gada	The Effects of Social Media on Self-Perception of adolescents (me in reality v/s me on social media)	SYBA	191019	B+	No	
2	Sarah Chriscyl Fernandes	The construction and Implementation of Ideal Self through Virtual and Online Games	SYBA	191421	A	No	
3	Rishika Shah	The Dichotomy of Political Ideologies	SYBA	191351	A+	Yes	
4	Rashmi Ijari	Are you enough?: Effects of social media on self esteem of adolescents	FYBA	201043	A	Yes	
5	Darshini Parekh	The role played by movies in shaping identity	TYBA	181041	A+	No	
6	Hiral Kapadia	The trait of Honesty- Humility and decision making through Game theory	TYBA	181361	A+	No	

7	Dhwani Shah	Mental Health and Sleep during COVID-19	SYBA	191282	B+	No	
8	Toral Mandrekar	Influence of the pandemic on professional athletes	TYBA	181154	A+	No	
9	Natasha Makuden	Psychology of faith and spirituality in the virtual space	SYBA	191187	B+	No	
10	Greati Mapilaparambil	Resilience amid Covid: impact of social support on individuals	TYBA	181301	B+	Yes	
11	Ishitaa Goyal	The New Avatar of Romantic Relationships: Virtual	SYBA	191499	A	Yes	
12	Zaneta Pereira	Understanding formation of online romantic relationships and it's effects on Wellbeing	SYBA	191220	A	No	
13	Keerthana Jagannathan	The effect of movie romance on teenage relationship	SYBA	191396	B+	Yes	
14	Shobhana Suresh	Aftermath of leaving a toxic relationship	FYBA	201016	B+	Yes	

15	Krushmi Shah	Effects of technoference on Parents, Children and their relationship	SYBA	191206	B+	No	
16	Sanjali Desai	Communal Relationships and happiness	SYBA	191058	B	No	
17	Akanksha Bapat	Nuances of Online Friendship	TYBA	181155	A+	Yes	
18	Shelly Dwivedi	Effects of technology on interpersonal communication	FYBA	201297	B+	Yes	
19	Joanne Johnson	Influence of Media Narratives on Gender Identity: Presentation and Construction	TYBA	181111	A+	Yes	
20	Allen Elias Babu	Masculinity and Men's Mental Health	TYBA	181107	A	Yes	
21	Khushi Shriyan	Psychology of Posting on social media	SYBA	191094	B	No	
22	Aisha Mulla	Media as a means of psychological manipulation - with reference	TYBA	181194	A	Yes	

		to 1984 by George Orwell					
23	Aditi Bhanushali	Mirroring fictional characters	SYBA	191087	A	No	
24	Devayani Vyavaharkar	Burnout in the virtual workplace	TYBA	181066	A	No	
25	Manasi Pandit	Mental Health and work performance in Work from home vs workplace	TYBA	181021	B	Yes	
26	Trisha Bharti	Behind the Screens : The Psychology of Cybercriminals	SYBA	191031	-	No	
27	Shannon Fernandes	The Polymath Principle: A Correlational Study between Polymath Belief, Self-Efficacy, and Personality	TYBA	181281	A	No	
28	Vishnuja Nambiar	The Reality of Inclusion	TYBA	181360	A	No	
29	Reeti Rai	Cybersecurity and Psychology	TYBA	181169	A	Yes	
30	Feril Sheth	Exploring how dark tetrad and loneliness leads to the rise of online abuse	SYBA	191219	B+	No	



St. Xavier's College (Autonomous), Mumbai
POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY

Under the aegis of RUSA

Organises

A one day webinar on

EXPLORING THE SCIENTIFIC CURIOSITÉ: AN OMICS APPROACH

Highlights

'Toolkit to study G-protein coupled receptors'

'Antimicrobial Resistance: Data driven approaches'

'Genomics'

'Advances in Next Gen Sequencing' 'CRISPR/Cas9 technologies'

Speakers

Dr. Antara Banerjee, Scientist B, NIRRH, Mumbai

Dr. Anshu Bharadwaj, Senior Scientist, CSIR-Institute of Microbial Technology, Chandigarh

Dr. Sameer Phalke, Senior Scientist, MedGenome, Bangalore

Dr. Rita Mukhopadhyaya, Vice President,
Indian Women's Scientists' Association

Dr. Boney Kuriakose, Lead Scientist at AgriGenome Labs Pvt Ltd, Kochi.
Adjunct Scientist SGRF, India.

Time - 9:30 AM to 5PM

Date - 13/03/2021

Venue - Your personal devices on Zoom

Registration - Free

Eligibility - Postgraduate students and Ph.D. Scholars

Link for registration: <https://forms.gle/vFUHLNBab2LAhp5B9>

For any queries

Contact: biotech.dept@xaviers.edu

"Exploring The Scientific Curiosity: An Omics Approach"

Registration form for a one day webinar organised by the Post Graduate Department of Biotechnology, St. Xaviers College (Autonomous), Mumbai under the Aegis of RUSA.

Kindly fill in individual details

*** Required**

1. Email address *

2. Full Name *

3. Mobile number *

4. Educational Qualification *

Mark only one oval per row.

	Biotechnology	Microbiology	Botany	Life Science	Zoology	Other	NA
Post Graduate	☐	☐	☐	☐	☐	☐	☐
Ph.D. scholar	☐	☐	☐	☐	☐	☐	☐

5. Institution / College *

6. City *

7. State *

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ST. XAVIER'S COLLEGE - AUTONOMOUS, MUMBAI
POSTGRADUATE DEPARTMENT OF
BIOTECHNOLOGY



, 'Exploring the Scientific Curiosity': An Omics Approach'
A One Day Webinar

REPORT

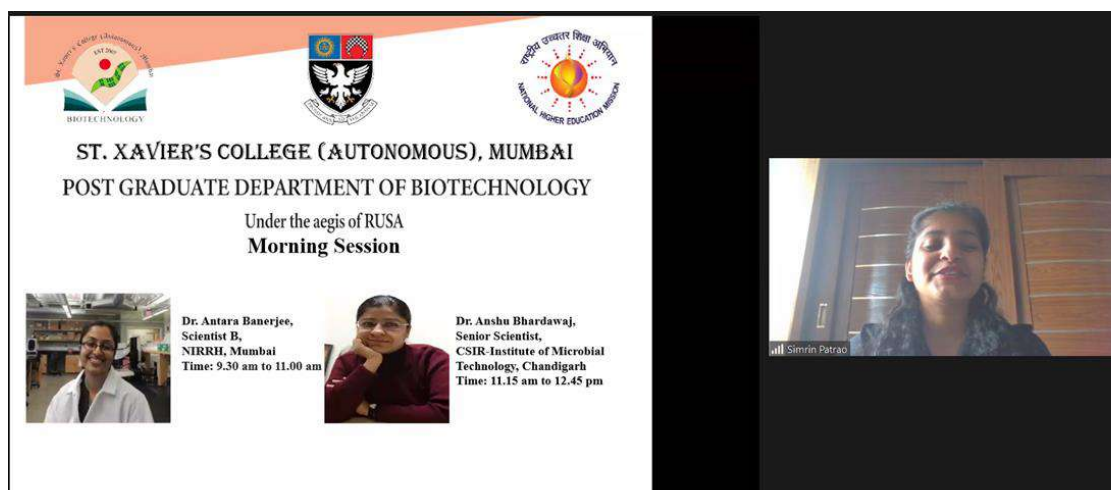
Date: 13th March 2021

Time: 9:30 am – 5:00pm

Online Platform: ZOOM Video Conferencing Platform

Department Coordinator: Dr. Karuna Gokarn, Vice Principal (Academics) and Head - Biotechnology

Dr. Karuna Gokarn, Head ,Post Graduate Department of Biotechnology, inaugurating the webinar



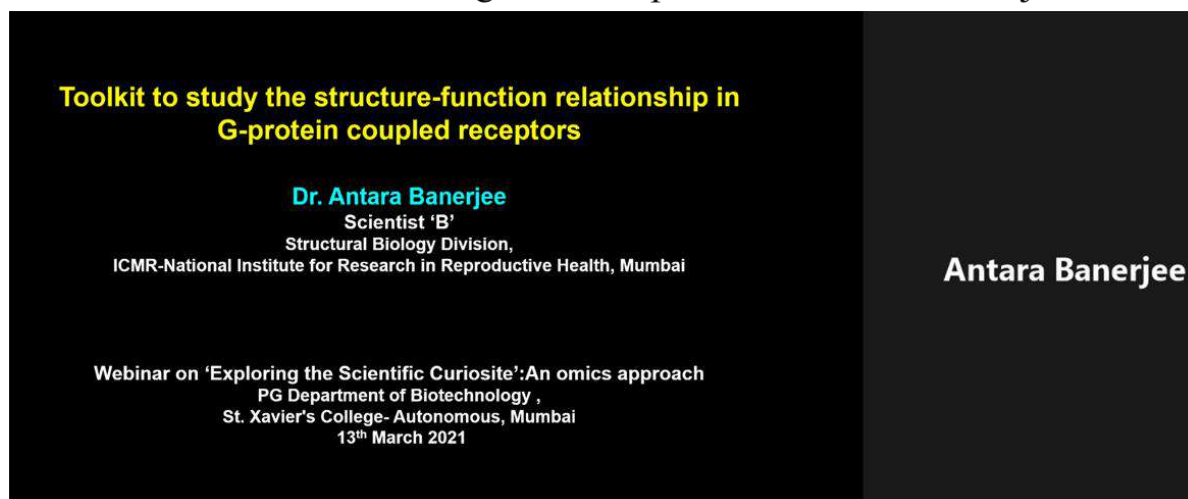
ST. XAVIER'S COLLEGE (AUTONOMOUS), MUMBAI
POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY
Under the aegis of RUSA
Morning Session

Dr. Antara Banerjee,
Scientist B,
NIRRH, Mumbai
Time: 9:30 am to 11:00 am

Dr. Anshu Bhardwaj,
Senior Scientist,
CSIR-Institute of Microbial
Technology, Chandigarh
Time: 11:15 am to 12:45 pm

Ms. Simrin Patrao

Ms. Simrin Patrao introducing webinar speaker Dr. Antara Banerjee



**Toolkit to study the structure-function relationship in
G-protein coupled receptors**

Dr. Antara Banerjee
Scientist 'B'
Structural Biology Division,
ICMR-National Institute for Research in Reproductive Health, Mumbai

Webinar on 'Exploring the Scientific Curiosity': An omics approach
PG Department of Biotechnology,
St. Xavier's College- Autonomous, Mumbai
13th March 2021

Antara Banerjee



Session 2: Dr. Anshu Bhardwaj

**Data-driven approaches to understand and
address Antimicrobial Resistance (AMR)**

Anshu Bhardwaj, PhD
Senior Scientist, Bioinformatics Center,
CSIR Institute of Microbial Technology, India
Assistant Professor, Academy of Scientific & Innovative Research, India

Exploring the Scientific Curiosity:
An Omics Approach

13th March 2021

CSIR-IMTECH

Anshu Bhardwaj



Advances in Next Gen Sequencing (NGS) methods and application in research and clinics in India

Sameer Phalke, PhD
Medgenome Labs, India
13th Mar 2021

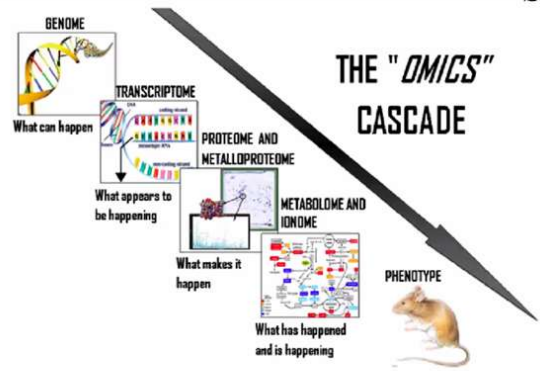
Session 3: Dr. Sameer Phalke



Sameer Phalke

Unmute
Start Video
Participants 81
Chat
Share Screen
Record
Reactions
Leave

Multi-Omics approach



Adopted from:
García-Sevillano et al. J Proteomics. 2014 Jun 2;104:4-23.

Session 4:

Rita Mukhopadhyay



Rita

Genome/Gene editing



- Method by which changes can be made at a chosen location in the genome
- Very specific changes can be made on the gene or it's regulatory sequences
- Random deletions/insertions can be generated
- Most mutations are similar to what occurs in nature
- Can give rise to beneficial characteristics without any other changes except at the target region

Session 5

Dr. Boney Kuriakose



Boney Kuriakose

EXPLORING THE SCIENTIFIC CURIOSITE: AN OMICS APPROACH

A one day webinar organized on the 13th of March, 2021 by Post Graduate Department of
Biotechnology, St. Xavier's College (Autonomous), under the aegis of RUSA

Platform: Zoom





St. Xavier's College (Autonomous), Mumbai

POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY

Under the aegis of RUSA

Organises

A one day webinar on

EXPLORING THE SCIENTIFIC CURIOSITÉ: AN OMICS APPROACH

Highlights

- 'Toolkit to study G-protein coupled receptors'
- 'Antimicrobial Resistance: Data driven approaches'
- 'Genomics'
- 'Advances in Next Gen Sequencing' 'CRISPR/Cas9 technologies'

NORINE	Shreya S.
Mavelle Cardozo	Ishita Shah
Neeti Badigann...	Shiney Peter
Uzma Ansari	KANCHAN BE...
Nikita Gupta	Lydia Mathew
Shreya Nair	Sumeet Mendake
Tejashree Bhoir	Andrea Pinto

A webinar on 'Exploring the scientific curiosite: An omics approach'





ST. XAVIER'S COLLEGE (AUTONOMOUS), MUMBAI

POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY

Under the aegis of RUSA
Morning Session



Dr. Antara Banerjee,
 Scientist B,
 NIRRH, Mumbai
 Time: 9.30 am to 11.00 am



Dr. Anshu Bhardawaj,
 Senior Scientist,
 CSIR-Institute of Microbial
 Technology, Chandigarh
 Time: 11.15 am to 12.45 pm

NORINE	Shreya S.
Mavelle Cardozo	Ishita Shah
Neeti Badigann...	Shiney Peter
Uzma Ansari	Swarda Mhatre
KANCHAN BE...	Nikita Gupta
Lydia Mathew	Shreya Nair
Sumeet Mendake	Tejashree Bhoir

The speakers of the morning session



ST. XAVIER'S COLLEGE (AUTONOMOUS), MUMBAI POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY

Under the aegis of RUSA
Afternoon Session



Dr. Sameer Phalke,
Senior Scientist,
MedGenome,
Bangalore
Time: 1.30 pm to 3 pm



Dr. Rita Mukhopadhyaya,
Vice President,
Indian Women's Scientists's
Association
Time: 3 pm to 4 pm



Dr. Boney Kuriakose,
Lead scientist at AgriGenome
Labs Pvt Ltd, Kochi. Adjunct
Scientist SGRF, India.
Time: 4 pm to 5 pm

NORINE

Shreya S.

Mavelle Cardozo

Ishita Shah

Neeti Badigann...

Shiney Peter

U

Uzma Ansari

K

KANCHAN BE...

Nikita Gupta

Lydia Mathew

Shreya Nair

Sumeet Mendake

Tejashree Bhoir

Andrea Pinto

The speakers of the afternoon session



St. Xavier's College (Autonomous), Mumbai
POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY
Under the aegis of RUSA
Organises
A one day webinar on

EXPLORING THE SCIENTIFIC CURIOSITÉ: AN OMICS APPROACH

Highlights
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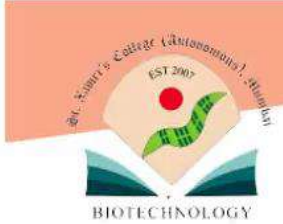




Monica Singh



Inauguration of the webinar by the host, Ms. Monica Ajaybeer Singh

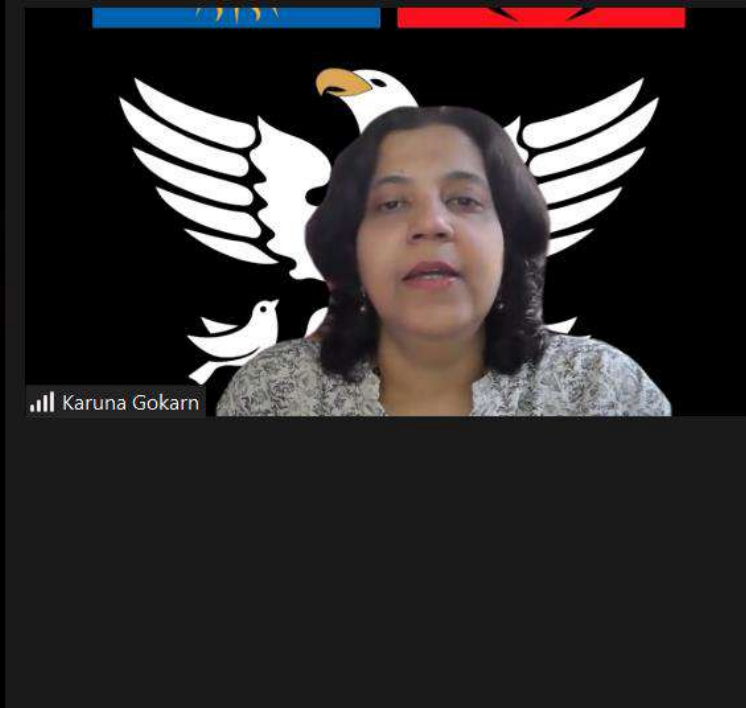


St. Xavier's College (Autonomous), Mumbai
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- 'Advances in Next Gen Sequencing' 'CRISPR/Cas9 technologies'



Dr. Karuna Gokarn, Head ,Post Graduate Department of Biotechnology, inaugurating the webinar

THE MORNING SESSION



ST. XAVIER'S COLLEGE (AUTONOMOUS), MUMBAI
POSTGRADUATE DEPARTMENT OF BIOTECHNOLOGY



राष्ट्रीय उच्चतर शिक्षा अभियान
NATIONAL HIGHER EDUCATION MISSION



Ms. Simrin Patrao introducing webinar speaker Dr. Antara Banerjee

Under the aegis of RUSA
Morning Session



Dr. Antara Banerjee,
Scientist B,
NIRRH, Mumbai
Time: 9.30 am to 11.00 am



Dr. Anshu Bhardwaj,
Senior Scientist,
CSIR-Institute of Microbial
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Time: 11.15 am to 12.45 pm



Ms. Simrin Patrao introducing webinar speaker Dr. Antara Banerjee





ST. XAVIER'S COLLEGE (AUTONOMOUS), MUMBAI
POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY
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Simrin Patrao

Ms. Simrin Patrao introducing webinar speaker Dr. Antara Banerjee

Toolkit to study the structure-function relationship in G-protein coupled receptors

Dr. Antara Banerjee

Scientist 'B'

Structural Biology Division,

ICMR-National Institute for Research in Reproductive Health, Mumbai

Antara Banerjee

Webinar on 'Exploring the Scientific Curiosity': An omics approach
 PG Department of Biotechnology,
 St. Xavier's College- Autonomous, Mumbai
 13th March 2021

Toolkit to study the structure-function relationship in G-protein coupled receptors

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Webinar on 'Exploring the Scientific Curiosity': An omics approach

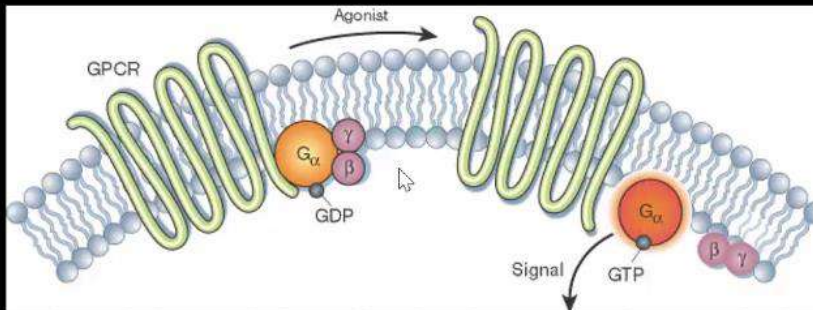
PG Department of Biotechnology ,

St. Xavier's College- Autonomous, Mumbai

13th March 2021

Dr. Antara Banerjee introducing her webinar topic- 'Toolkit to study the structure-function relationship in G-protein coupled receptors'

G Protein-Coupled Receptor Superfamily



Activation of the G alpha subunit of a G-protein-coupled receptor
Li, J. *et al.* The Molecule Pages database. *Nature* , 2002

|| **Antara Banerjee**

Webinar speaker Dr. Antara Banerjee demonstrating the workings of the GPCR

Role of specific residues in the follicle stimulating hormone receptor in its function

Antara Banerjee

Lady Tata Memorial Trust Senior Research Scholar

Research guide: Dr. Smita Mahale

Structural Biology Division,
ICMR-National Institute for Research in Reproductive Health, Mumbai

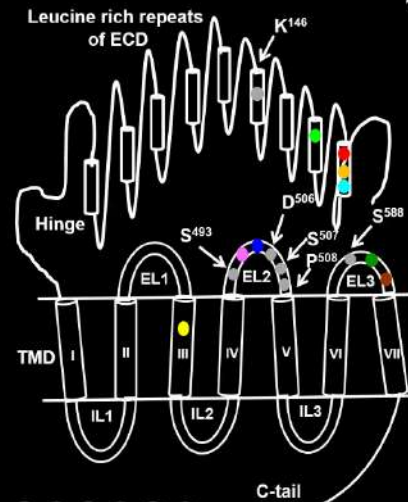


Antara Banerjee

Webinar speaker Dr. Antara Banerjee
talking about her PhD work

Webinar speaker Dr. Antara Banerjee
talking about some results of her PhD
research

Functional characteristics of FSHR mutants as compared to WT FSHR



Mutant	FSH binding	FSH-FSHR Internalization	cAMP
ECD			
E197S	↓	Similar	↓
V221G/K	↓	Similar	↓
I222T	↓	Similar	↓
K243R	↑	Similar	↑
TMD			
T449N	↑	Similar	↑
EL2			
L501F	Similar	↓	↓
I505V	Similar	Similar	↓
EL3			
K589N	Similar	↑	Similar
A590S	Similar	↑	Similar
Mutants	Similar		

Antara Banerjee

Postdoctoral research

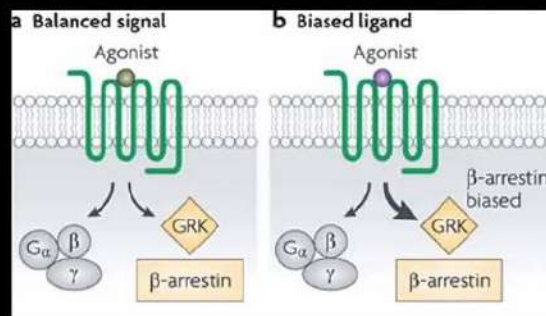
- **Postdoc mentor:** **Prof. Vidita Vaidya**
Department of Biological Sciences,
TIFR, Mumbai
- **Title of project:** *Delineation of signalling signatures
of hallucinogens and non-hallucinogens
at the serotonin receptor 5-HT_{2A}R*
- **Tenure:** Aug 2017-Mar 2019

Antara Banerjee

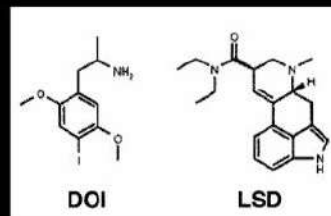


Webinar speaker Dr. Antara Banerjee talking about her postdoctoral research work

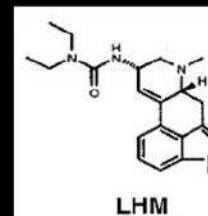
Biased agonism



Model of biased agonism
(Rajagopal et al. 2010)

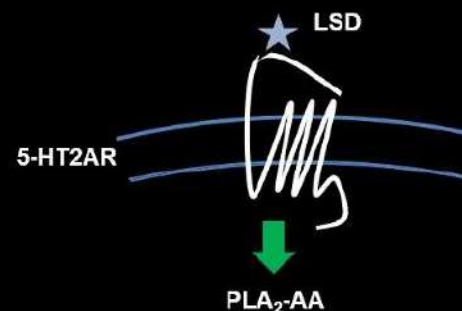
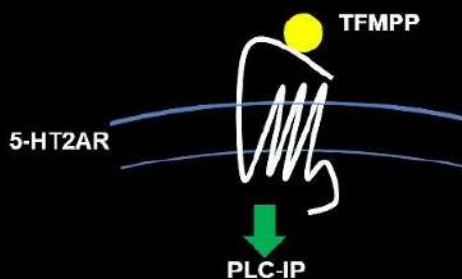


Hallucinogens (HCs)



Non-Hallucinogen
(NHC)

Biased agonism: psychoactive differences between HC and NHC 5-HT_{2A} receptor agonists owing to differential molecular and signaling mechanisms that induce different neuropsychological effects



Berg et al., 1998



Ms. Neeti giving the vote of thanks for the webinar session by speaker Dr. Antara Banerjee

The image shows a Zoom meeting interface. On the right, a grid of six tiles displays participants: Lydia Mathew (top left, video), Uzma Ansari (top right, blue square with 'U'), Anshu Bhardwaj (middle left, video), Monica Singh (middle right, grey square with 'M'), Shiney Peter (bottom left, video), and NORINE (bottom right, black square with white text). The bottom toolbar includes icons for 'Start Video', 'Participants' (86), 'Chat', 'Share Screen' (green), 'Record', 'Reactions', and a red 'Leave' button.

Ms. Lydia Mathew introducing webinar speaker Dr. Anshu Bhardwaj

Session 2: Dr. Anshu Bhardwaj

Data-driven approaches to understand and address Antimicrobial Resistance (AMR)



Exploring the Scientific Curiosity:
An Omics Approach

Anshu Bhardwaj, PhD

Senior Scientist, Bioinformatics Center,
CSIR Institute of Microbial Technology, India

Assistant Professor, Academy of Scientific & Innovative Research, India

13th March 2021



CSIR-IMTECH



Anshu Bhardwaj

Drug Resistance Mechanisms

The diagram illustrates a bacterium with several mechanisms of drug resistance:

- Decreased influx:** Aminoglycosides, β -lactams
- Increased efflux:** Aminoglycosides, β -lactams, Macrolides, Quinolones, Tetracyclines
- Antibiotic inactivation:** Aminoglycosides, Amphenicols, Antifolates, β -lactams, Glycopeptides, Rifamycins
- Target site modification:** Aminoglycosides, β -lactams, Fluoroquinolones, Glycopeptides, Macrolides, Rifamycins, Tetracyclines
- Target amplification:** Sulfonamides, Trimethoprim

<https://adailydeed.wordpress.com/tag/antibiotic-resistance/>

CSIR-IMTECH

Anshu Bhardwaj

Dr. Anshu Bhardwaj talking about mechanisms of Drug Resistance in bacteria



Mr. Joshua Koli giving the vote of thanks for the webinar session by speaker Dr. Anshu Bhardwaj

THE AFTERNOON SESSION



Ms. Shreya Nair introducing webinar speaker Dr. Sameer Phalke

Session 3: Dr. Sameer Phalke

*Advances in Next Gen
Sequencing (NGS) methods and
application in research and
clinics in India*

Sameer Phalke, PhD
Medgenome Labs, India

13th Mar 2021



Unmute

Start Video

Participants 81

Chat 1

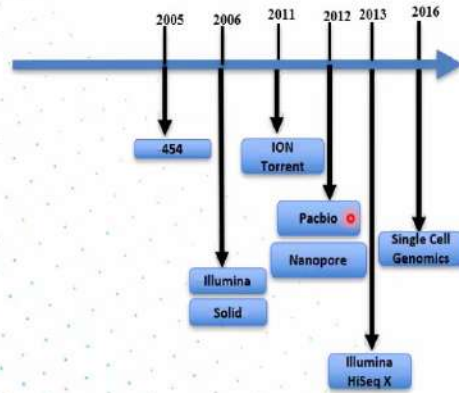
Share Screen

Record

Reactions

Leave

Introduction to Sequencing: The sequencers



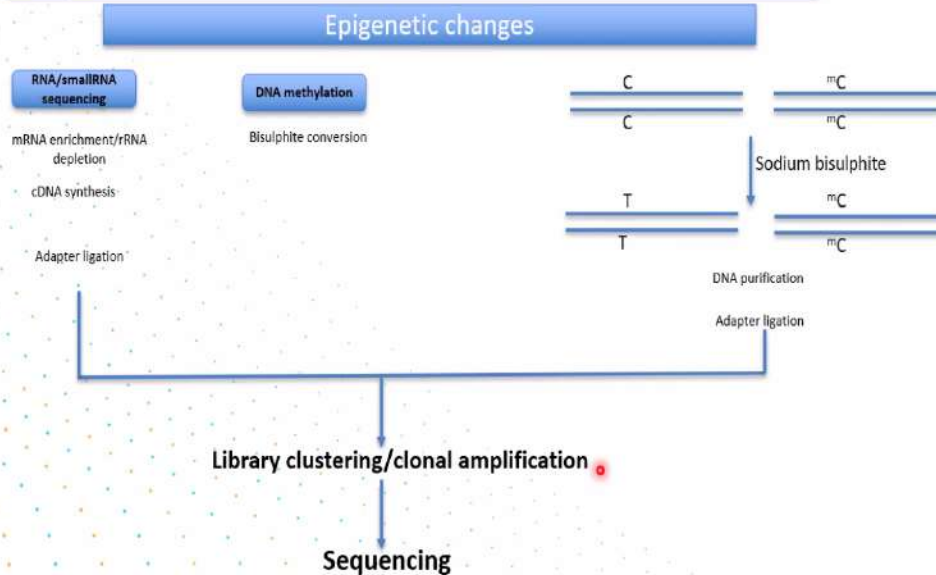
- Sequencing by synthesis
 - Pyrosequencing: 454 Roche
 - Semiconductor sequencing: Ion torrent/Life Tech
 - Sequencing by reversible termination: Illumina
- Sequencing by ligation
 - SoLiD



Dr. Sameer Phalke talking about the history of discovery of Next generation sequencing techniques

Dr. Sameer Phalke talking about the epigenetic changes and how can they be estimated

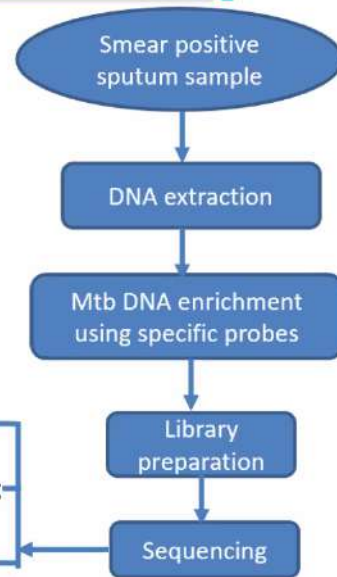
Applications: Unlimited Opportunities



Implications in research and diagnostics: Infectious diseases panels MEDGENOME

- ❑ MedGenome's SPIT-SEQ offers a more sensitive and relatively faster method for Mtb diagnosis
- Direct sputum can be used, no cultures required
- Strain typing can be done in the same test
- All type of drug resistant strains can be identified
- TAT- 2 weeks

- Mtb diagnosis
- Mtb strain typing
- Drug resistance



Dr. Sameer Phalke talking about the implications of NGS in research and diagnosis

Dr. Sameer Phalke talking about the future prospects of NGS

Outlook and future perspectives MEDGENOME

Next gen sequencing has revolutionized the genetic testings

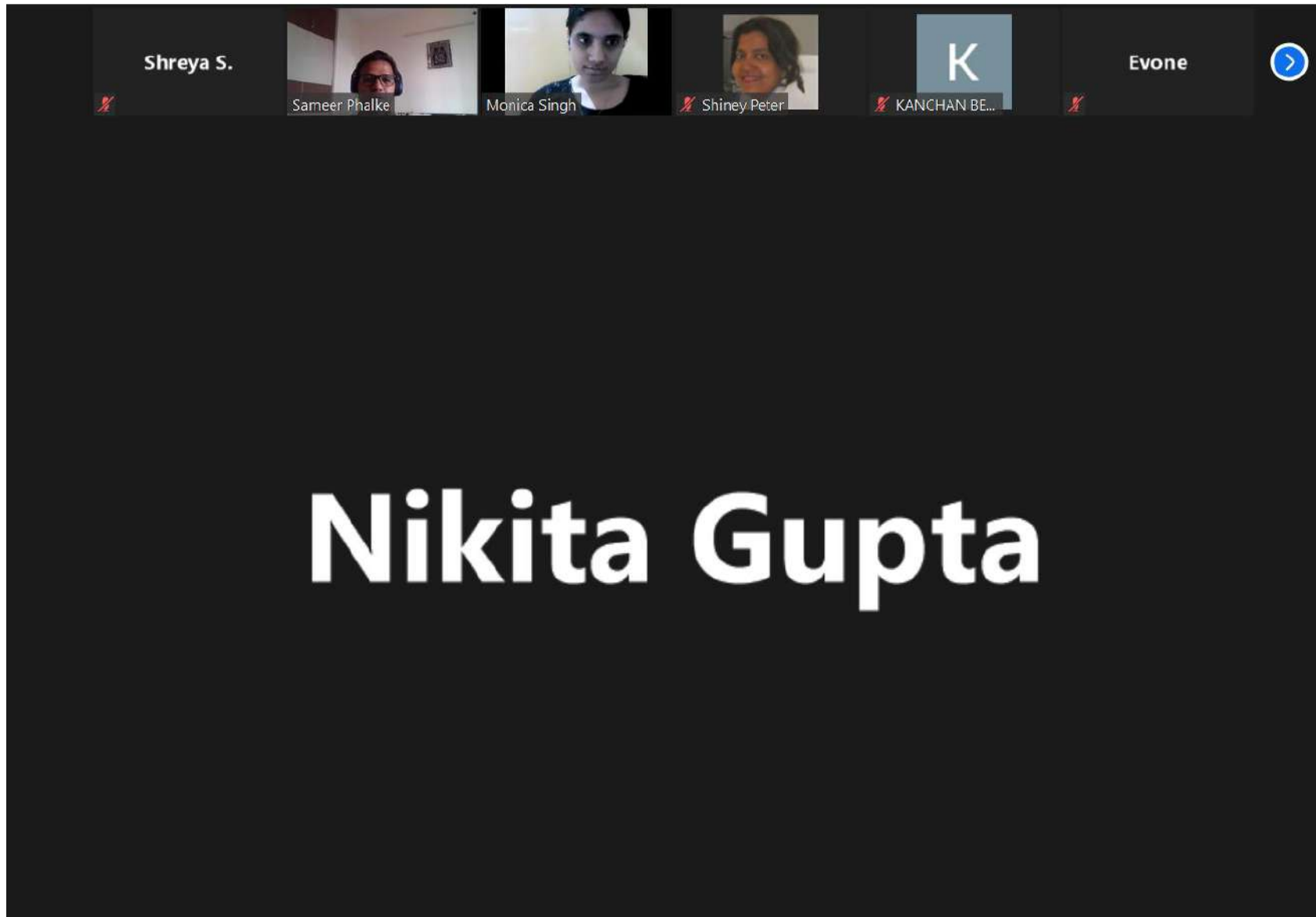
This has simplified the clinical diagnosis and the treatment decisions of several diseases

Understanding population level genomics has paved our way to understand population specific diseases.

Polygenic risk scores based on our genetic data can help us prediction of our risk for different complex diseases

Clinical and genomic data will help us understand the biology of different complex and mendelian disorders efficiently.





Ms. Nikita Gupta giving the vote of thanks for the webinar session by speaker Dr. Sameer Phalke



Ms. Josette introducing webinar speaker Dr. Rita Mukhopadhyay

What is Omics?

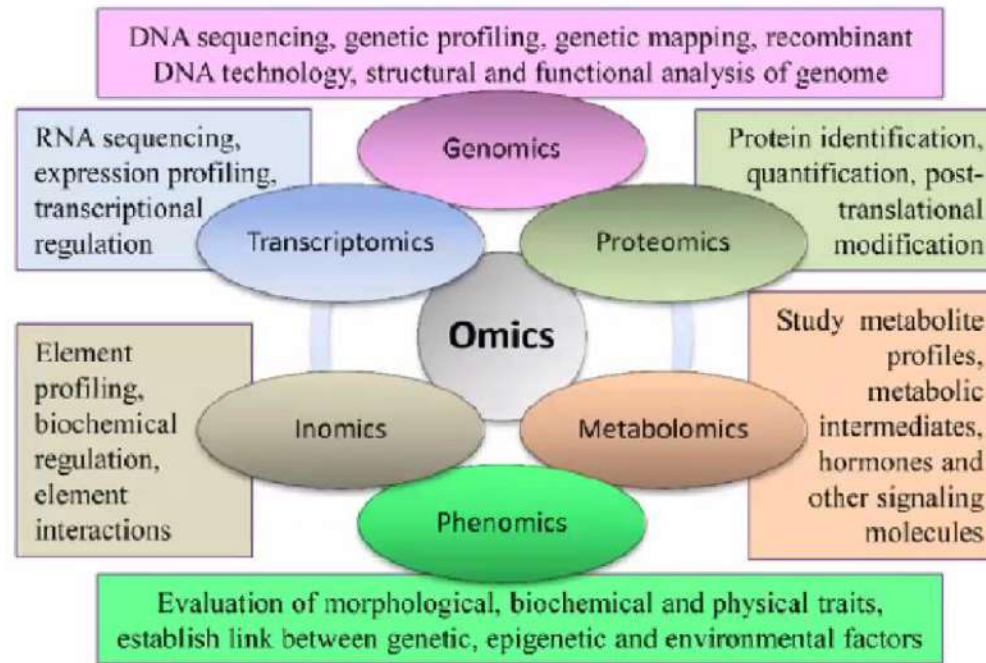


FIGURE 1 | Important branches of omics with their major components being used in different integrated approaches.

Adapted from: Deshmukh et al., Front Plant Sci. 2014 Jun 3;5:244.

Session 4: Dr. Rita Mukhopadhyay



mute Start Video

Participants 88

Chat

Share Screen

Record

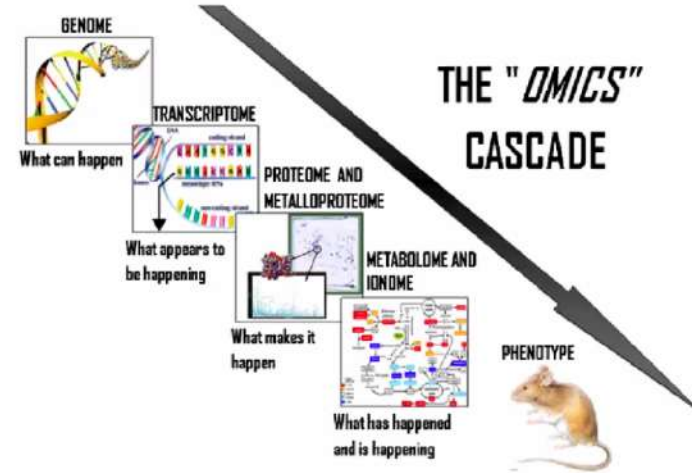
Reactions

Leave

Multi-Omics approach

Session 4:

Rita Mukhopadhyay



Adopted from:
García-Sevillano et al. J Proteomics. 2014 Jun 2;104:4-23.

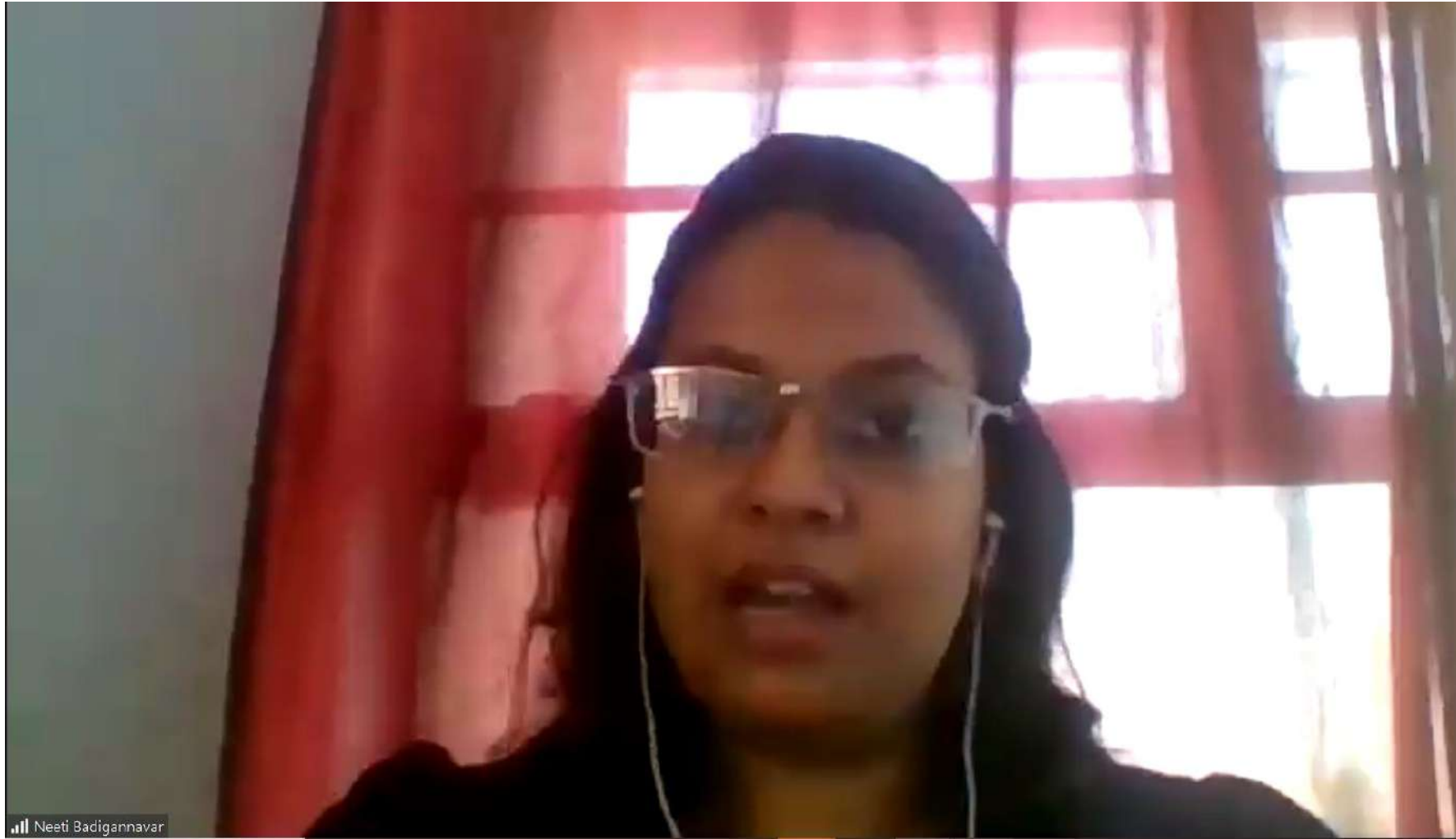


Dr. Rita Mukhopadhyay talking about the multi-omics approach to detecting phenotype
Genomics in Forensics

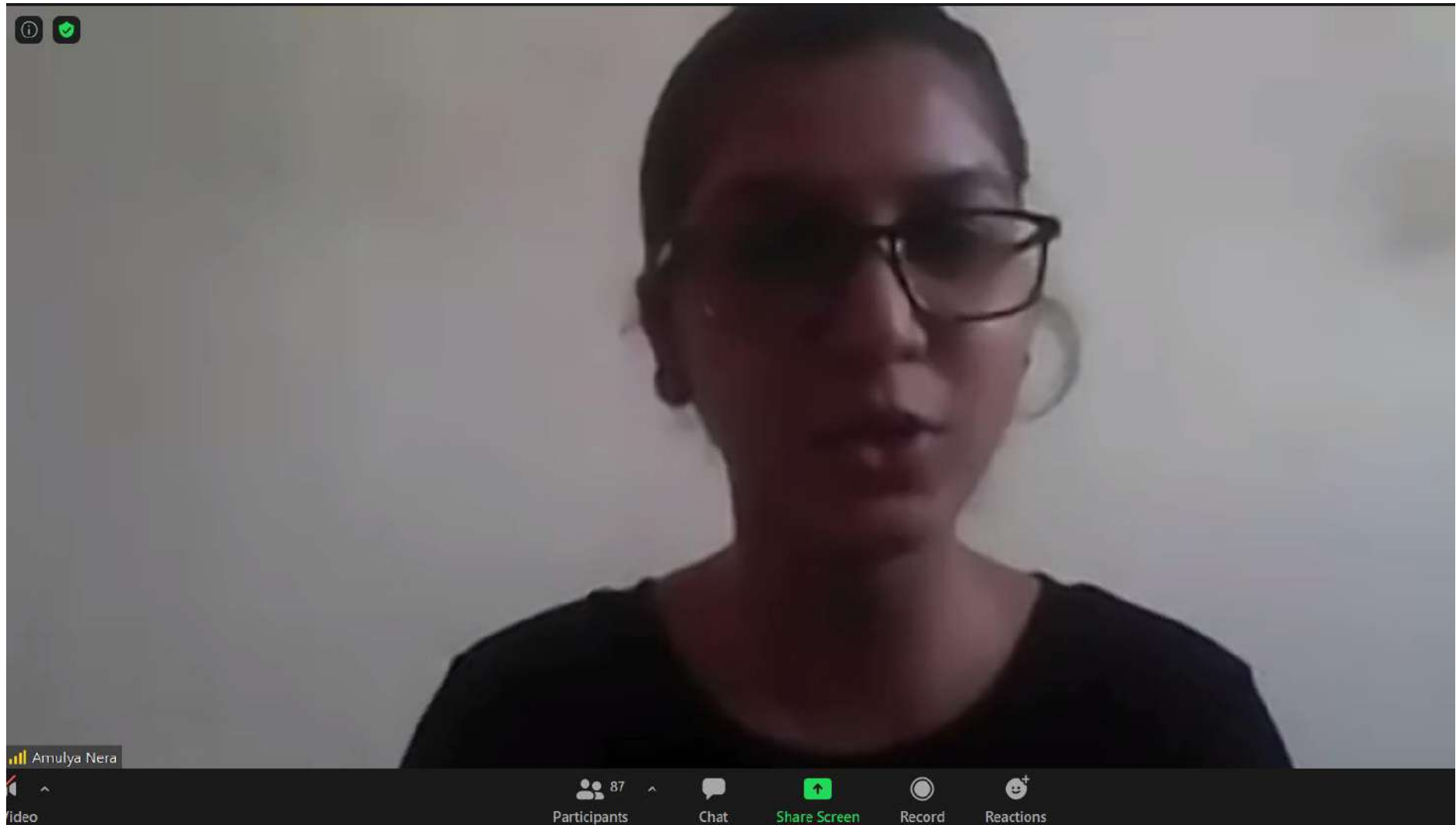


Adopted

Dr. Rita Mukhopadhyay talking about the application of genomics in forensics



Ms. Neeti giving the vote of thanks for the webinar session by speaker Dr. Rita Mukhopadhyay



Ms. Amulya Nera introducing webinar speaker Dr. Boney Kuriakose



CRISPR/Cas9 mediated genome editing

Boney Kuriakose Ph.D
AgriGenome Labs Private Limited



Dr. Boney Kuriakose introducing his webinar topic

Genome/Gene editing



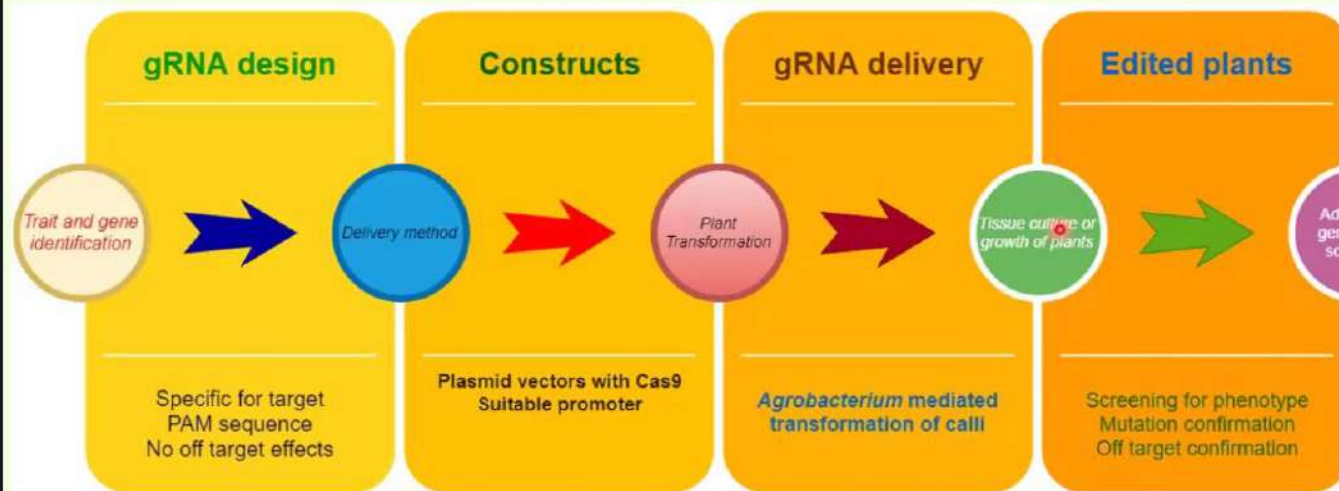
- Method by which changes can be made at a chosen location in the genome
- Very specific changes can be made on the gene or its regulatory sequences
- Random deletions/insertions can be generated
- Most mutations are similar to what occurs in nature
- Can give rise to beneficial characteristics without any other changes except at the target region

Session 5
Dr. Boney Kuriakose

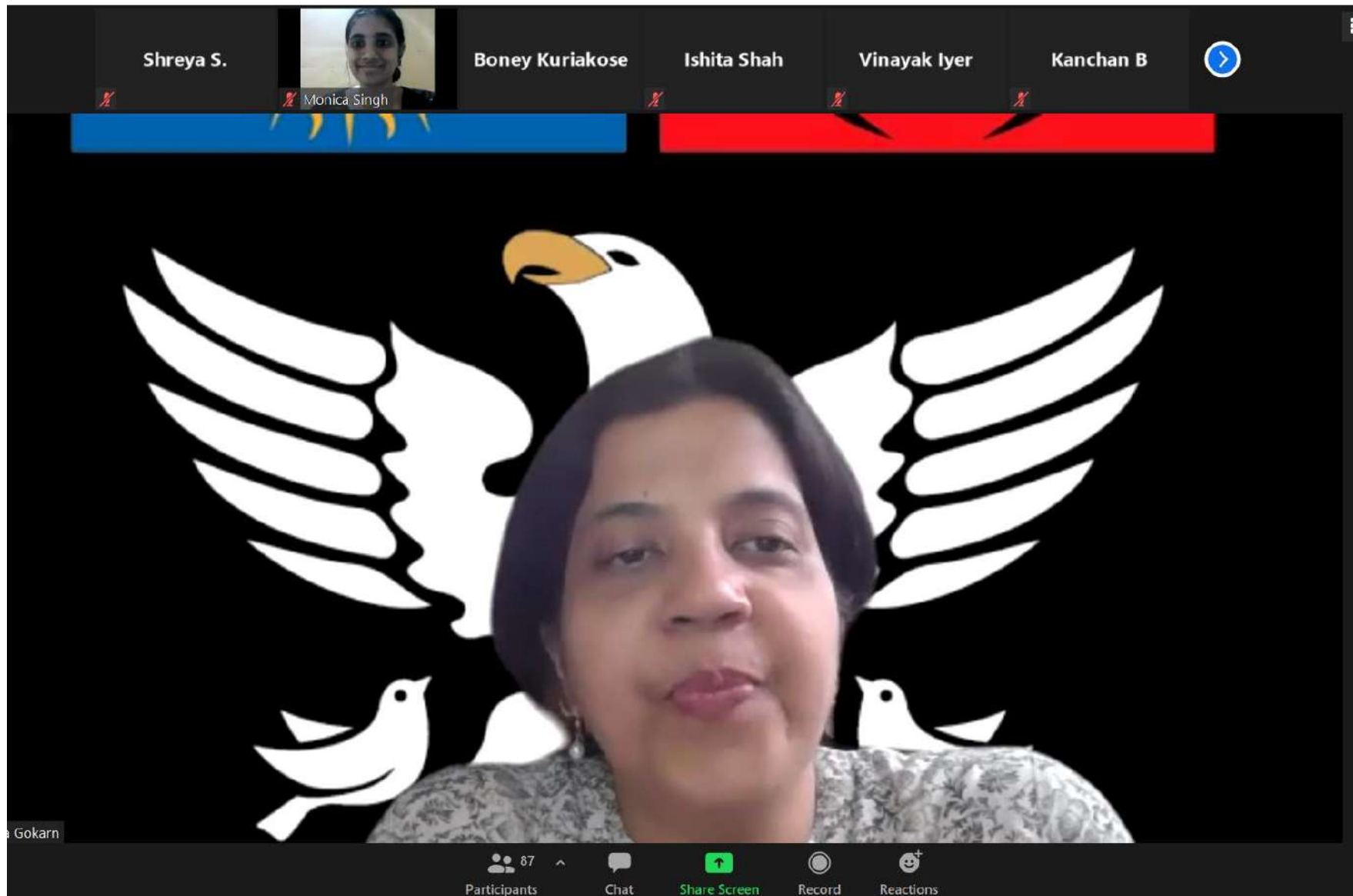


Dr. Boney Kuriakose talking about genome editing

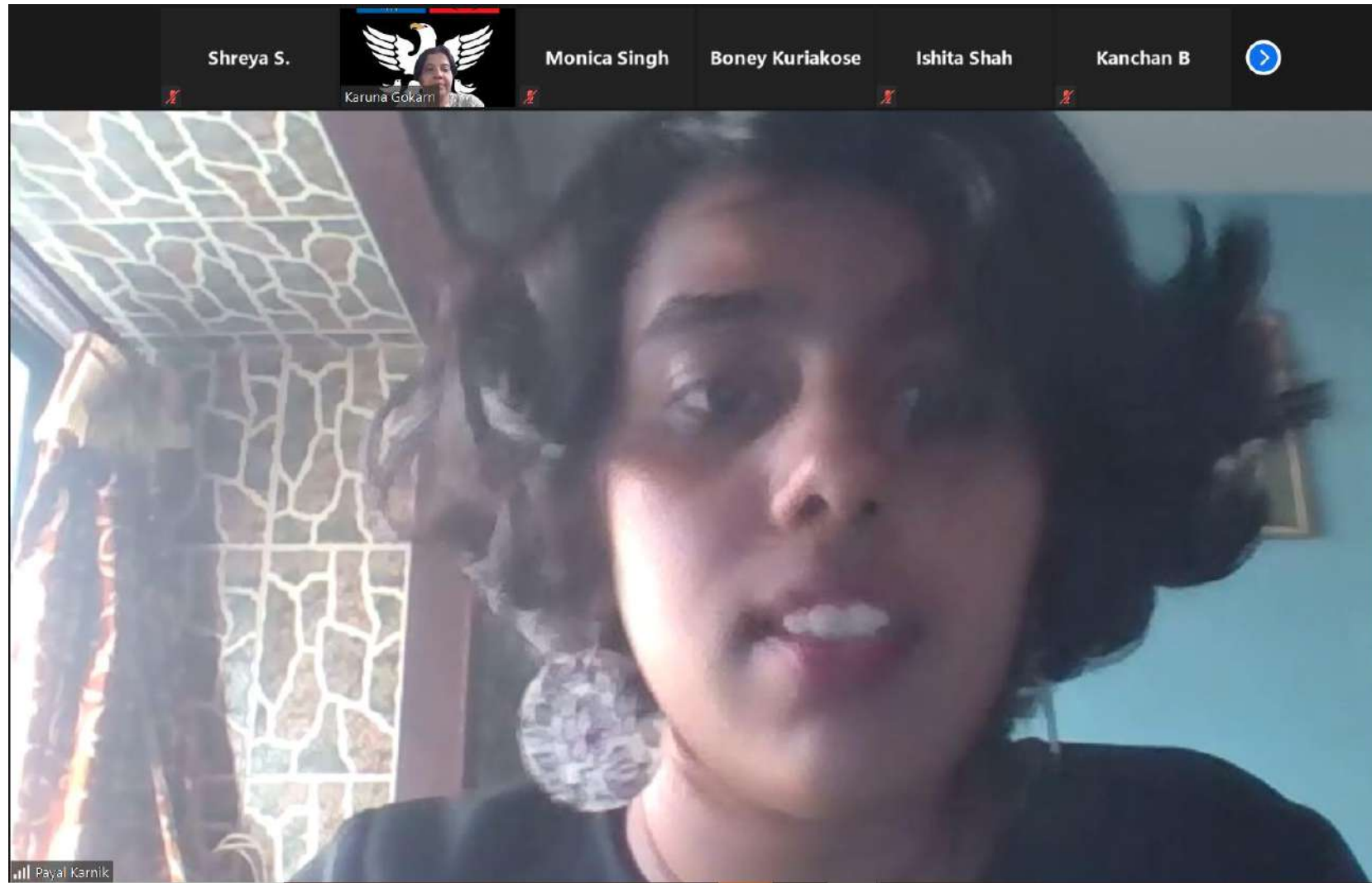
CRISPR/Cas9 WORK FLOW



Dr. Boney Kuriakose talking about the CRISPR Cas9 work flow in plant genome editing



Dr. Karuna Gokarn giving the closing remarks



Ms. Payal Karnik giving the final vote of thanks

Zoom Meeting

NORINE

Shreya S.

Nikita Gupta

Shiney Peter

Payal Karnik

Andrea Pinto

Lydia Mathew

Shreya Nair

Uzma Ansari

Sushma Jakhad

Neeti Badigannavar

Ishita Shah

Mavelle Cardozo

Tejashree Bhoir

Amulya Nera

Dhanashree Tavde

Sumeet Mendake

Sriteja Gadde

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09:12
13-03-2021

The Webinar Organising committee- Teachers and Students of the Post Graduate Department of Biotechnology



ST. XAVIER'S COLLEGE - AUTONOMOUS, MUMBAI
POSTGRADUATE DEPARTMENT OF
BIOTECHNOLOGY



‘Exploring the Scientific Curiosity’: An Omics Approach’.

A One Day Webinar

REPORT

Date: 13th March 2021

Time: 9:30 am – 5:00pm

Online Platform: ZOOM Video Conferencing Platform

Webinar Resource persons:

- Dr. Antara Banerjee, Scientist B, NIRRH, Mumbai
- Dr. Anshu Bharadwaj, Senior Scientist, CSIR-Institute of Microbial Technology, Chandigarh
- Dr. Sameer Phalke, Senior Scientist, MedGenome, Bangalore
- Dr. Rita Mukhopadhyaya, Vice President, Indian Women's Scientists' Association
- Dr. Boney Kuriakose, Lead scientist at Agri Genome Labs Pvt Ltd, Kochi. Adjunct Scientist SGRF, India.

Background:

“Wisdom is not a product of schooling but of the lifelong attempt to acquire it.”

-Albert Einstein

One of the mission statements of St. Xavier's College (Autonomous) is to train its stakeholders for professional innovation. The changing landscape of learning as an aftereffect of the digital applications boom and the pandemic has opened multiple opportunities for the learners. Virtual platforms have now become an extended learning arena to the brick-and-mortar classroom setup, facilitating enriching engagements with academia and industry experts to understand the emerging trends in the field.

The successful mapping and sequencing of the human genome have helped in generating snapshots of biological systems at an unimaginable resolution. ‘Omics’, the scientific fields associated with measuring biological molecules is driven largely by technological advances that have made possible cost-efficient, high-throughput analysis. The integrated multi-omics approach (genomics, proteomics, Transcriptomics, metabolomics, and others) is touted to be the way forward for answering several complex biological questions.

Objective of the Webinar:

- To provide an opportunity to explore and understand the scope of omics research in solving biological problems.

Executive Summary:

Post-Graduate Department of Biotechnology, St. Xavier's College (Autonomous), in collaboration with knowledge partners Flowcytometry Solutions and Trust for Education and Training in Cytometry, under the aegis of RUSA, organised a one-day webinar on, 'Exploring the Scientific Curiosity: An Omics Approach' on 13th March 2021 via Zoom, a video conferencing platform.

The webinar endeavoured to provide insightful sessions on Omics-based approaches to understand complex biological phenomena and apply them for finding solutions to various biological problems. It was attended by nearly 100 Postgraduate students and Ph.D. scholars from various parts of India.

The webinar was inaugurated by Dr. Karuna Gokarn, Vice-Principal (Academics) and Head of the department.

Session 1 -9:30 - Dr. Antara Banerji- *'Toolkit to study the structure-function relationship in G-protein coupled receptors.'*

Dr. Antara Banerjee commenced her talk by giving a brief history of the discovery and structure development of GPCRs. She moved further by giving us insights into the crystal structure, life cycle of GPCRs, and the signaling cascades they initiate. She proceeded further with taking up a topic on biased agonism and its therapeutic potentials. She then presented very intriguing case studies on receptor dimerization and its role in modulating the functions of GPCRs. She concluded her talk by presenting her work on the role of GPCRs in endocrinology. Her work comprised of FSH receptor mutations, how they could be manipulated to deal with the problems of infertility and their role in contraception.

Session 2- Dr. Anshu Bharadwaj: *'Data-driven approaches to understand and address Antimicrobial Resistance (AMR)'*

Antimicrobial resistance and the existence of superbugs are on the rise. Changing the efflux and influx patterns, target site modifications, antibiotic inactivation are some of the mechanisms applied by the bacteria which lead to AMR. The importance of sequencing to define the genomes of humans and bacteria and to identify variations associated with the disease was explained. Nano pore minion is one of the innovations that was brought from bench to bedside for point of care sequencing. However, the sequencing data generated has to be very critically converted into knowledge. A promising method to do this is by inculcating

computational tools into the realm of biology such as genome annotation, machine learning and coding. Certain tools like crowdsourcing, systems approach and various other computational tools can be pinned together to tackle AMR.

Session 3 -Dr. Sameer Phalke-: ‘Advances in Next-Gen Sequencing (NGS) methods and application in research and clinics in India.’

Different sequencers and their read-out methods employed in NGS were explained. Molecular indexing, single-cell genomics concepts were explained. The shift from conventional Sangers sequencing to Next Generation Sequencing (NGS) platforms has allowed for a better understanding of the genetic and epigenetic changes that accompany a disease state, susceptibility, simple population polymorphisms, developmental defects, etc. The process towards NGS for understanding genetic changes includes DNA fragmentation, adopter ligation, amplification using emulsion PCR or even solid-phase amplification, library generation or clustering and then sequencing. To understand epigenetic changes, small RNA sequencing, DNA methylation, Chromatin IP can be used. The genome of a single can also be understood using certain barcodes A challenge towards finding a particular variant in the sequencing data is like finding a needle in a deep haystack. The process steps in this analysis include genome annotation, variant classification, disease annotation, common variation and then computation prediction using tools like SIFT, Polyphen, Condel, etc. The implications of NGS in research and clinical diagnosis was elucidated. Carrier testing, preimplantation genetic screening, exome sequencing, the establishment of infectious diseases panels, population genetics are some of the applications of NGS discussed.

Session 4-Dr Rita Mukhopadhyaya: ‘Omics Science and its relevance.’

The word GENOME is an amalgamation of GENE and chromosome that generally describes a body of genes harbored by a living organism. “OMICS” specifically allows simultaneous measurement of the number of proteins/genes/metabolites. It allows obtaining large-scale data in less time. The multiple facets of OMICS are genomics, proteomics, metabolomics, phenomics, genomics, and transcriptomics. The objective of this approach is to identify all possible gene products that include transcripts, proteins, and metabolites in a non-targeted fashion, present in a specific biological sample. Pharmaceutical and biotechnology research fields have inculcated this approach into more comprehensive computer models. Even bioinformatics is offering systems biology solutions to drug developers as well as diagnostic companies. The omics cascade begins with the genome level through multiple steps to finally the phenotype level. Such multi OMIC platforms have opened up avenues for personalized medicine to break the age-old approach of “one size fits all”. Not only that but only enables us

to understand forensics cases, the modification brought in a human body when in space (MinION), patient-derived cell therapy, precision oncology although it is in a niche state now, and many more.

Session 5: Dr. Boney Kuriakose: ‘CRISPR/Cas9 mediated genome editing.’

The impact of genetic mutations such as missense and frameshift mutations on the function of the gene was elucidated. Different types of genome or gene editing systems such as ZFNs, TALENs and CRISPR/Cas9 were briefly explained. The history and the principle behind genetic editing using CRISPR/Cas9 technology were explained. The application of this technology in the production of bacterial blight-resistant rice and high GABA tomato was explained. The potential of using CRISPR/Cas9 technology in the treatment of human diseases such as cancer and genetic disorders and the production of disease-resistant plants with high yield along with the technology’s bioethics was discussed.

Student Reflections on learning outcomes:

Active learning is needed and adaption to the new fields and subject will help to excel in the field.

We need to build a strong fundamental understanding of biological concepts that are normal in our body and then move on to explore their implication in diseases i.e., in a practical scenario.

From the research point of view, my learning is to identify key problems persisting in a society and try to explore innovative ways to answer that problem holistically.

Today I could gain insights more into the practical aspects of understanding genetic-epigenetic changes, reference genome aspect, variant analysis, and confronting sequence errors.

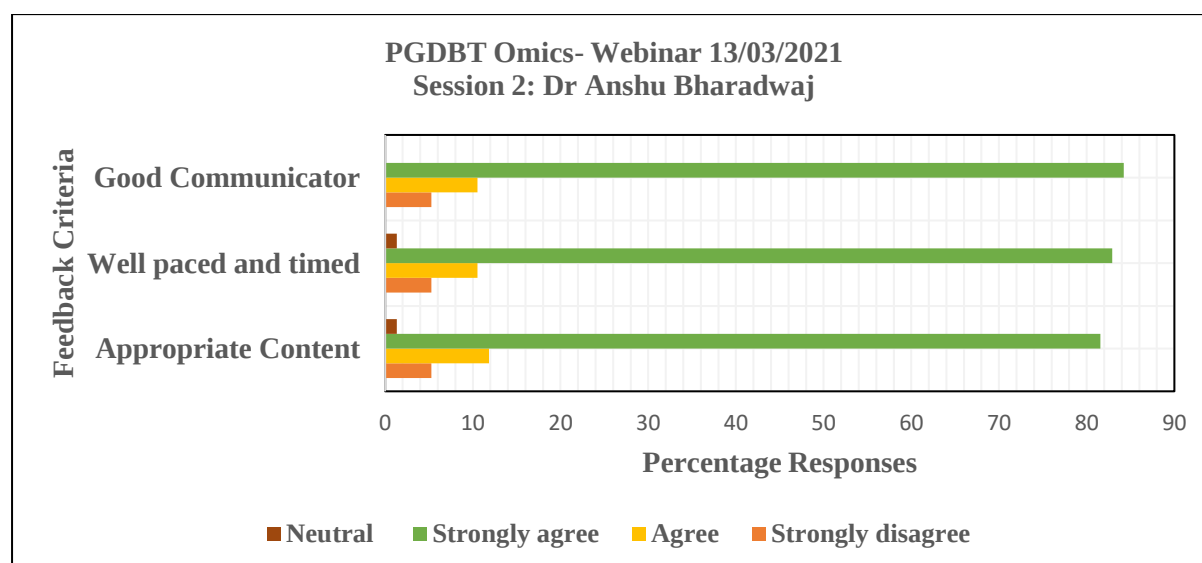
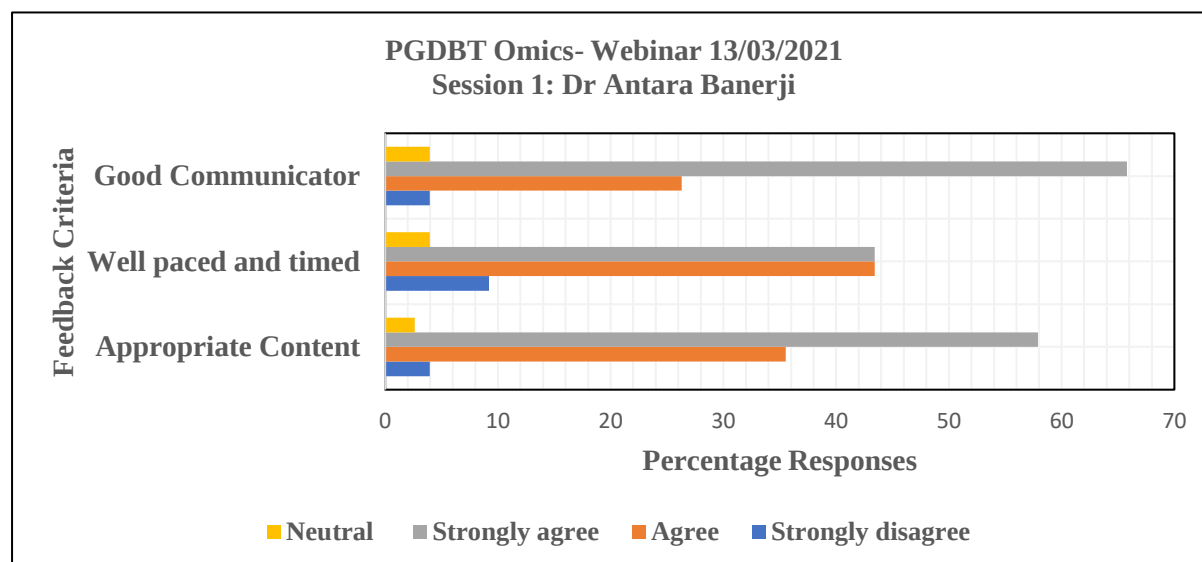
I always pondered on how multifactorial diseases can be put together and today I could understand how it could be done using the OMICS approach where we could look at genomics, move towards proteomics, then metabolomics, phenomics, etc. and then collaborate the data to answer a particular question.

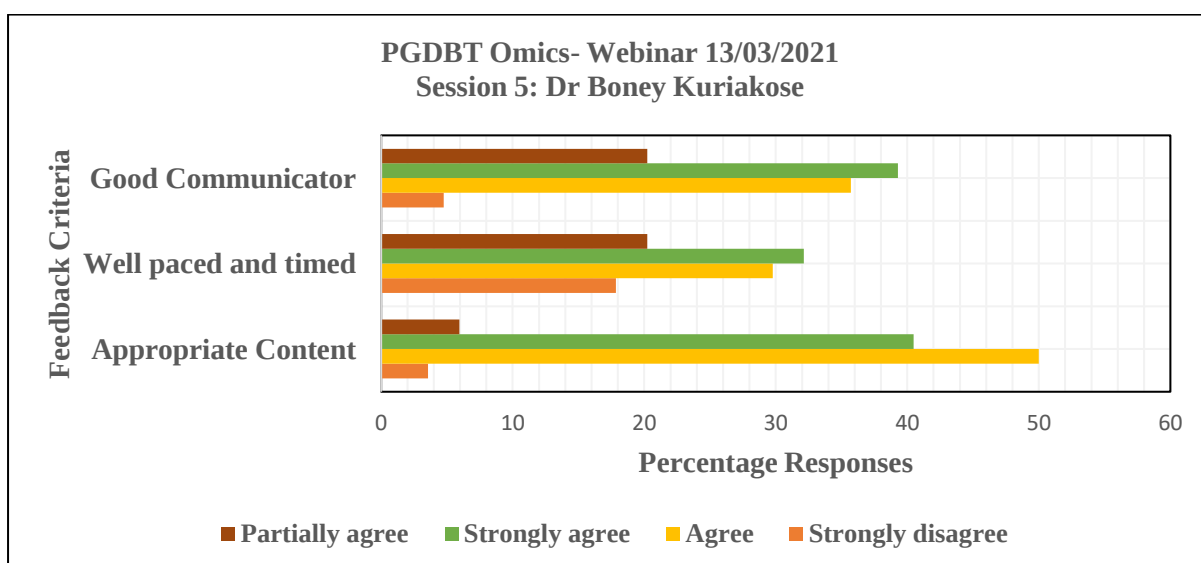
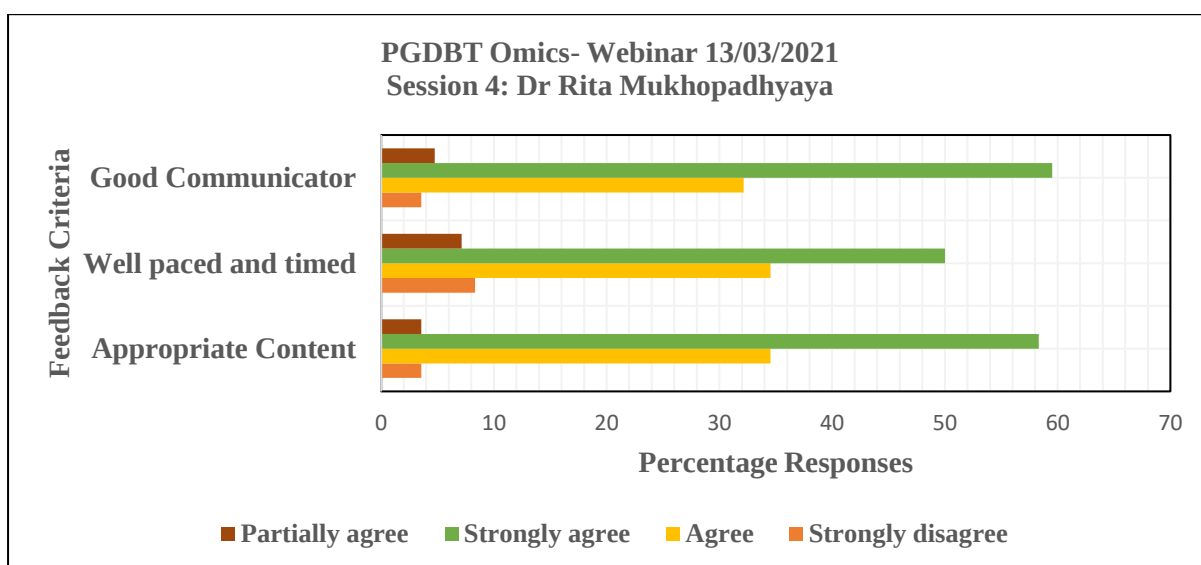
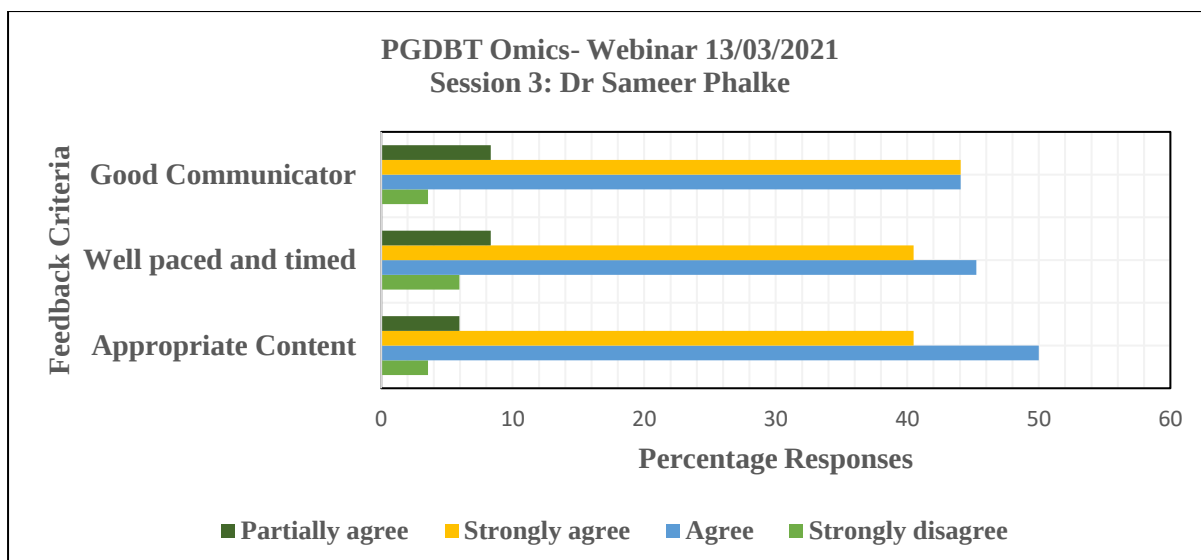
I could try to put together all the knowledge I gained from morning like understanding fundamental biological concepts, identifying missing pieces in the present scientific evidence, exploring computational tools to their best to form the complete picture of an elephant, the potential of OMICS towards personalized medicines, collaborating, thinking beyond (the space example), and then exploring technologies to correct the problems. In my future, today’s learning has taken me a step ahead to understand the essence of science and broadened my understanding of approaching a scientific question and being updated by continuous learning!

Feedback Analysis:

Online Feedback was collected using Google forms. A total of 84 participants responded to the questions. The rest did not submit the feedback forms. The data obtained was analyzed using Microsoft Excel.

Webinar impressions:





Overall Impression:

- 99% of participants felt that the sessions fulfilled their expectations.
- 96% of participants gave a rating of above 9 on a scale of 10 for overall organisation and content.

Follow-up action: Based on this feedback, organization of workshops on trending techniques and applications and continuous extended interaction with personnel of industry and academia will be facilitated for students.

Acknowledgments:

1. Dr. Rajendra Shinde, Principal, St. Xavier's College
2. HOD's of Departments of Botany, Life Sciences and Microbiology of St. Xavier's College (Autonomous), Mumbai.
3. Participants and student volunteers

Annexure:

1. Programme Flyer
2. Registration Details
3. Feedback form template
4. Certificate template
5. Photographs.

Department Faculty:

Dr. Karuna Gokarn, Vice-Principal (Academics) and Head

Dr. Shiney Peter

Ms. Norine D'Souza



St. Xavier's College (Autonomous), Mumbai

Honours Program 2020-21

Start-up India and Innovation

Lecture series on Start-up, Entrepreneurship and Innovation.

The course is carried out in collaboration with **Patlex Business Solutions.**

Duration: 25th January - 25th April, 2021

Academic year: Students of FY, SY, TY of all disciplines

Fees: Rs. 500

No. of Credits: 2

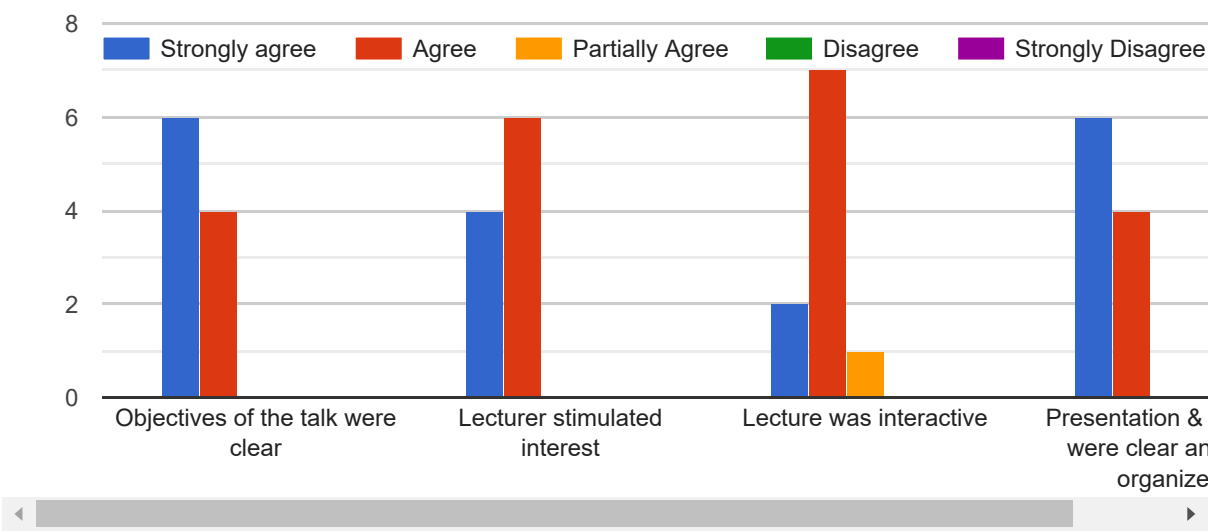
Evaluation: Continuous evaluation.

Ideation on a startup and presentation at the end of the program.

The course is offered by the Caius Research Laboratory

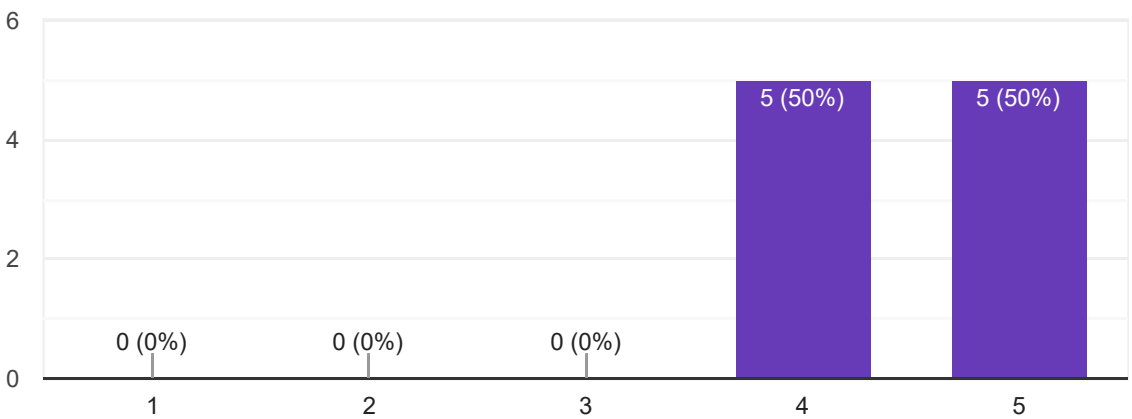
Course conducted by: Dr. Priya Sundarrajan

Talk by Mr. Sagar Chandni "Basics on Business Development"



Overall how satisfied were you with the session by Mr. Sagar Chandni

10 responses



What aspects of this session were useful?

10 responses

The discussions were really helpful!

Interactive sessions and overall feedback for our presentations.

Project Pitch

it was an amazing session in all the aspects. enjoyed it thouroughly

Really motivating and enriching.

- his points on everything was concise and clear and easily understandable.

Clear and practical explanations

Helped improving understanding and perspective

Buisness aspects of start up development



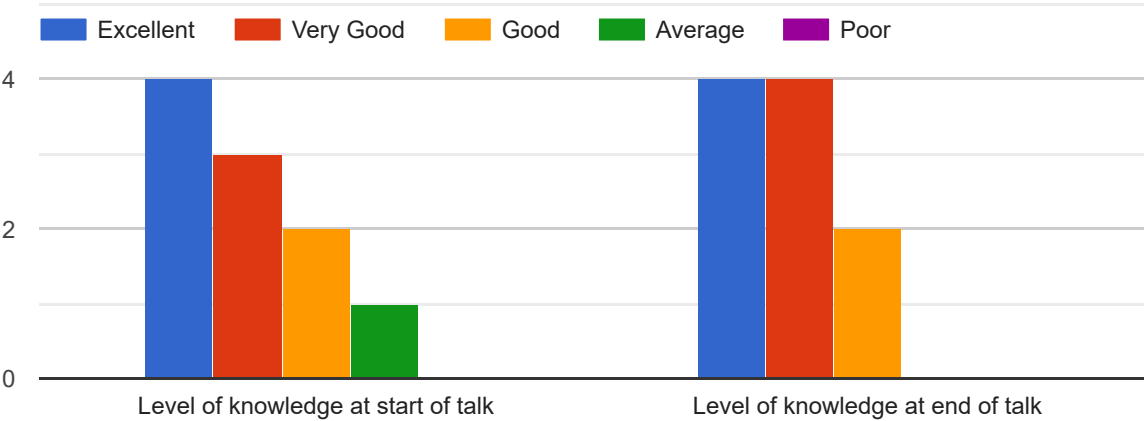
Any other suggestions?

10 responses

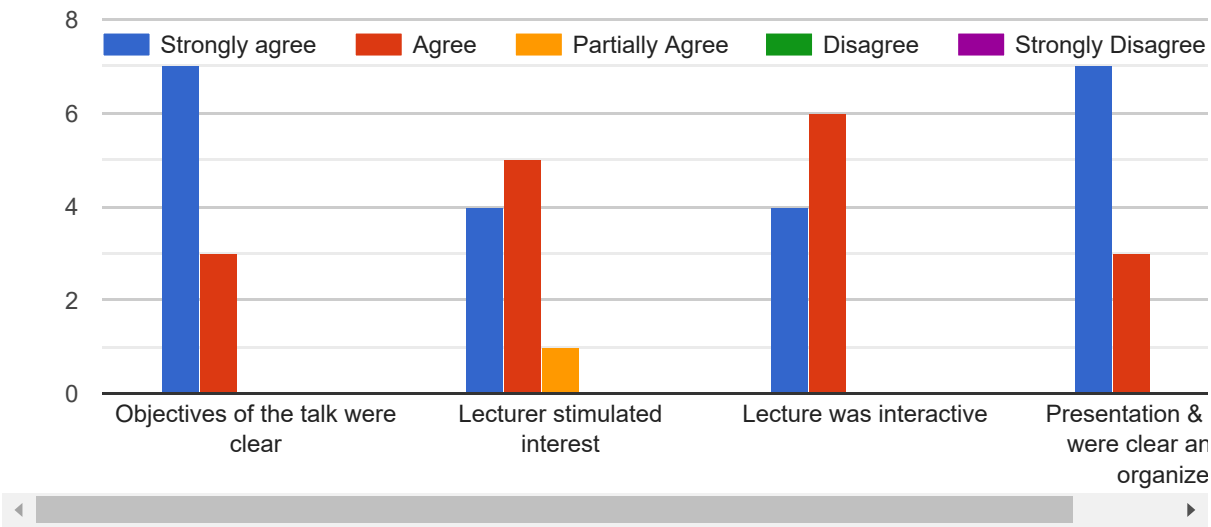
- nil
- None.
- none.
- A standard pitch deck could have been introduced and taught how to calculate unit economics
- The lecture was perfectly okay for me
- no
- It was a great learning experience
- NA
- none

Talk by Ms. Priti Omprakash Singh

Contribution to learning "Importance of soft skills"

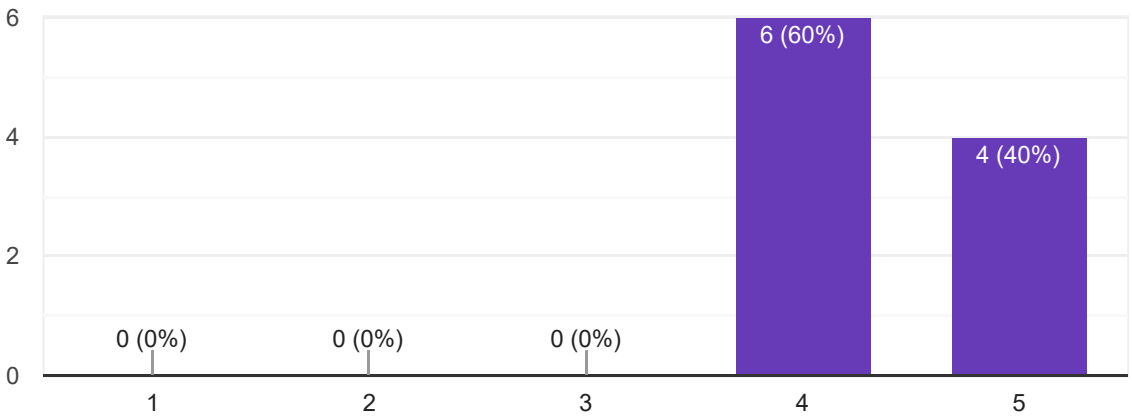


Feedback of the session



Overall Feedback

10 responses



What aspects of this session were useful?

10 responses

Overall the session was really helpful in understanding the importance of soft-skills.

it was a very interactive session

Project presentation

-

Ma'am tried to cover everything in a very simple manner.

her examples were relatable and doing an assignment made it better

Ma'am sharing her own experiences

B learning and acquiring the soft skills it would help interact better with my team

The necessary soft skills for success in start up domain

Any other suggestions?

10 responses

none

nil

None.

A standard pitch deck could have been introduced and information about unit economics

The lecture was really good for me

no

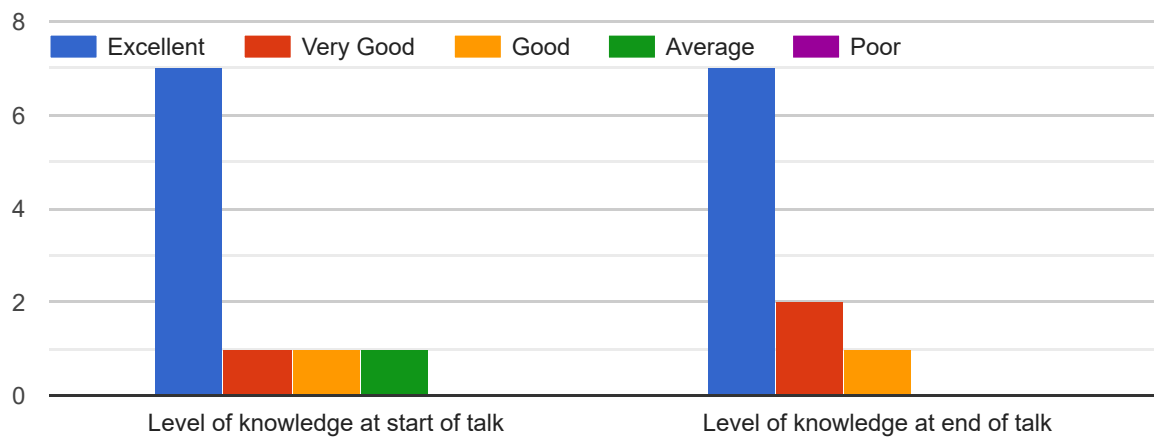
It was a great talk

NA

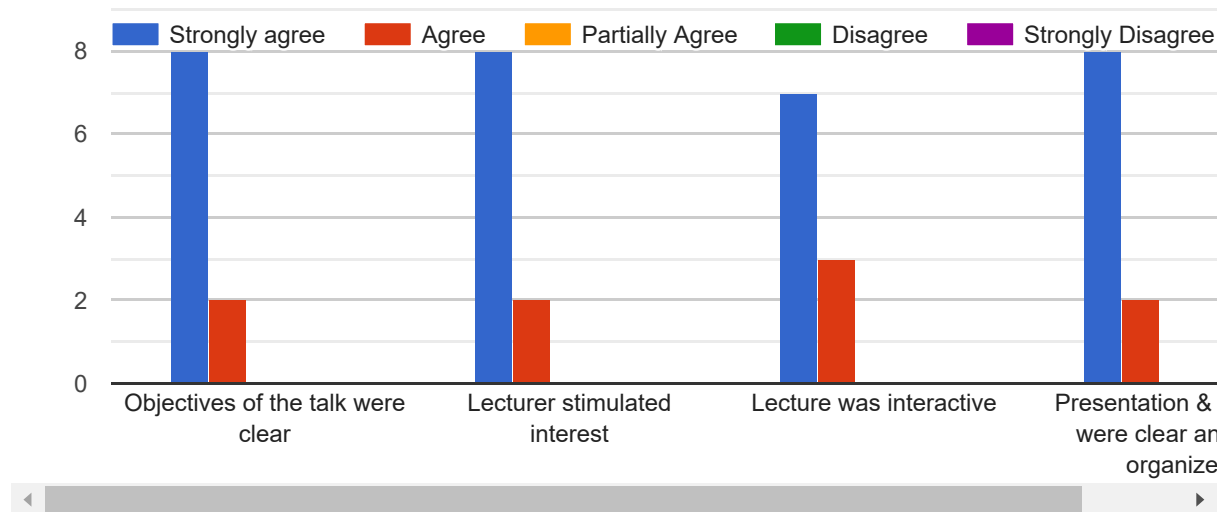


All the Sessions of Mr. Vijaykumar Shivpuje

Contribution to learning - "Start up and Innovation"

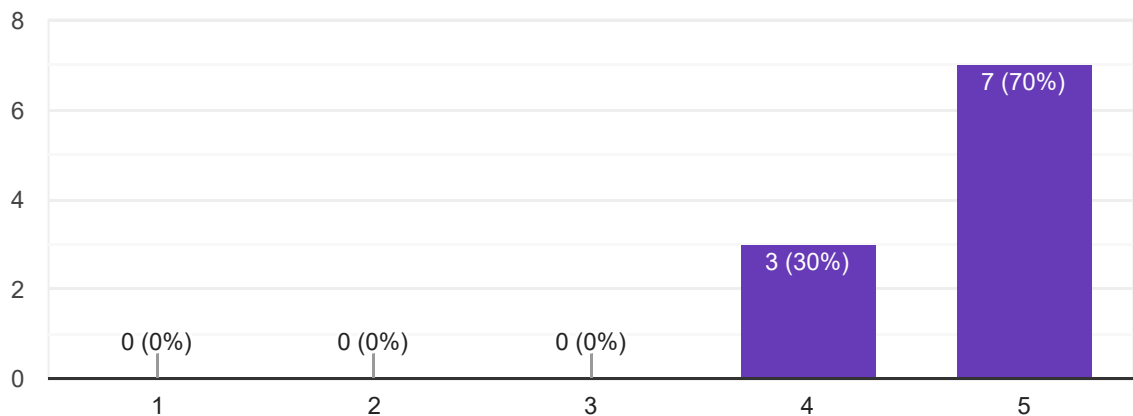


Feedback of the session



Overall Feedback

10 responses



What aspects of this session were useful?

10 responses

Overall, the course was really beneficial.

The feedback for our presentations and the overall explanation for various topics was very helpful.

General information networking, risks

sir was amazing through out the course. i understood a lot on startups and it was well explained .

The lecture series was really informative and insightful. All the resource people gave very dedicated lectures and enhanced our minds with their own personal experiences. All of them tried to explain the concepts from its basics which was really helpful for some students like me who aren't that aware about business related matters. This aspect was really helpful for me .The activities and the assignments really helped us to understand how thing theory can be put into practical situations. This was another important useful aspect of this session.

.....



What re your main take home lessons from the honors course

10 responses

Understood the basics of the startup ecosystem. Got several insights using real-life startup examples. Got an in-depth knowledge about the business models of various startups.

How to create a business pitch, the various challenges faced in order to come up with a startup, various drawbacks and difficulties in our presentation etc

The whole protocol how to organise a startup from grassroots

starting business is risky but worth it.

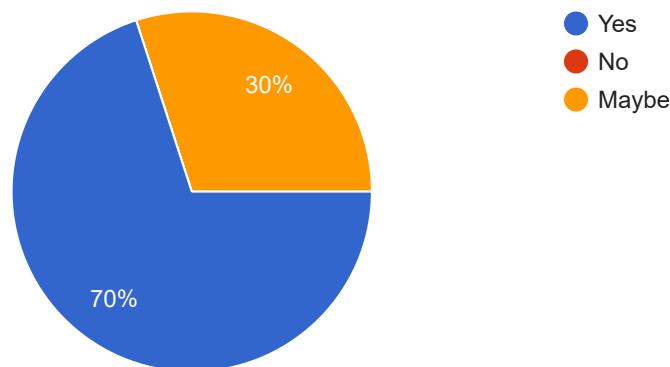
Dedication, innovation ,hard work and passion is very important to survive in a start up environment .

Don t let obstacles and failures to demotivate you .Instead work harder towards a better idea.

- i realized its not very easy to start a company and try and try till I succeed.
- there are many competitors out there

Would you be interested in start up venture

10 responses



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Google Forms



**HONOURS CERTIFICATE PROGRAMME REPORT
AY 2020-2021**

	General Information of the Activity	
1.	Department and Hub	Caius Research Laboratory Biological Hub
2.	Title of the Activity	Start Up India and Innovation
3.	Name of the Professor conducting the course	Dr. Priya Sundarrajan
4.	Name/s of the Resource person/s	Mr. Vijaykumar Shivpuje, Patlex Business solutions, Mr. Sagar Chandni Ms. Ruchi Omprakash
5.	Name of the Dept Coordinator	Dr. Priya Sundarrajan
6.	Name of the Hub Coordinator	Dr. Priya Sundarrajan
7.	Number of credits for the activity and number of hours	Two, 30 hours
8.	Number of students registered (Attach an Annexure A with Name, UID and Class)	16 (Attached below)
9.	Number of students completed the activity (Attach an Annexure B with Name, UID and Class)	14 (Attached Below)

	Details of the Activity
1	Title: Start Up India and Innovation
2	Description and Timeline: Lectures on Start-up, Entrepreneurship and innovation will be taken by industry Professionals. The main aim of the program is to foster the spirit of entrepreneurship among students. The program was conducted in collaboration with the company Patlex Business Solutions. Session was conducted on an online mode via zoom platform. This course was offered as an interdisciplinary program. The sessions conducted were three to 3.5 hours sessions conducted over the days: 25_01_2021; 15_02_2021; 19_02_2021; 25_02_2021; 11_03_2021; 31_03_2021; 9_4_2021; 20_05_2021; 21_05_2021; 22_05_2021
3	Evaluation Continuous, students were asked to think of a business plan and present the idea and feasibility and market value of the idea (topics chosen by the students given below in the report).
4	Feedback to assess the learning outcomes (Google form PDF as Annexure C or paste it here): Attached herewith
5	Photographs/Photo Gallery: given below

Appendix A: Number of students registered for the program

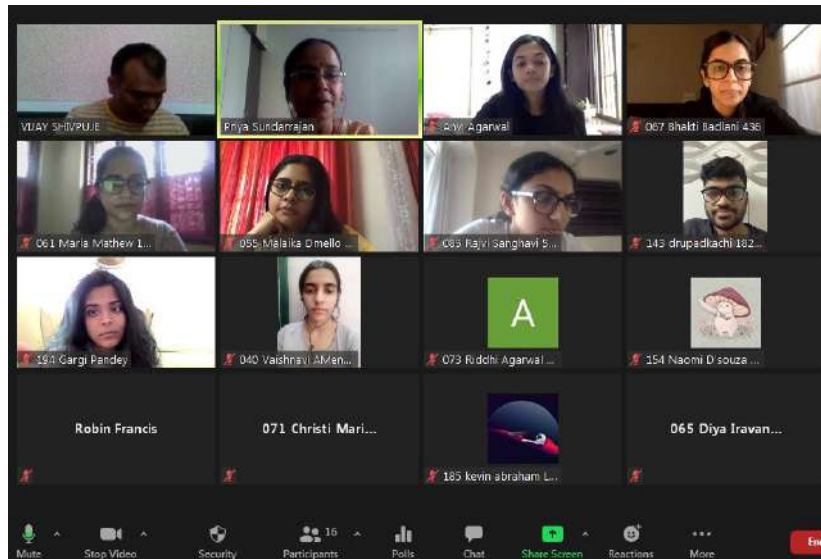
Sr. No.	Name of the student	Mail Id	UID	Class	Stream	subject
1	Drupad Kachi	drupadkachi786@gmail.com	182001	TYBSc	Science	Lifesc/Biochem
2	Diya Anil Iravane	iravane.diya@gmail.com	191432	SYBA	Arts	Eco/Com/Stats
3	Riddhi Agarwal	agarwalriddhi108@gmail.com	191484	SYBA	Arts	Eco/Com/Stats
4	MARIA MATHEW	061.mariamathew@gmail.com	191401	SYBA	Arts	Eco/Com/Stats
5	Christi Mariam Denny	071.christimariamdenny@gmail.com	191458	SYBA	Arts	Eco/Com/Stats
6	Vaishnavi A Menon	40.vaishnaviamenon@gmail.com	192191	SYBSc	Science	Micro/Chem
7	Kevin Abraham	kevinsvitelda@gmail.com	192456	SYBSc	Science	LSC/Chem
8	Bhakti Badlani	bhaktibadlani@icloud.com	191436	SYBA	Arts	Eco/Com/Stats
9	Anvi Agarwal	anvi.agarwal@xaviers.edu.in	191106	SYBA	Arts	
10	Rajvi Dipesh Sanghavi	85.rajvisanghavi@gmail.com	191515	SYBA	Arts	Eco/AIC/Hindi
11	Sakshi Kallakur	sakshikallakuri@gmail.com	192493	SYBc	Science	
12	Naomi D'souza	naomi.dsouza@xaviers.edu.in	202031	FYBSc	Science	Micro/Chem/Zoo
13	Malaika Petula D'mello	malaika.dmello@xaviers.edu.in	202016	FYBSc	Science	LSC/Chem/Bot
14	Gargi Pandey	gargi.pandey@xaviers.edu.in	202921	FYBSc	Science	Micro/Chem/Zoo
15	Manu Raghavan. P. V	manu.raghavan@xaviers.edu.in	192501	SYBSC	Science	Chemistry/ Phy
16	Robin Francisc	robinfrancisk2001@gmail.com	191010	SYBA	Arts	Eco/Com/Stats

Appendix B: Number of students who completed the course

Sr. No.	Name of the student	Mail Id	UID	Class	Grades	subject
1	Drupad Kachi	drupadkachi786@gmail.com	182001	TYBSc	B	Lifesc/Biochem
2	Diya Anil Iravane	iravane.diya@gmail.com	191432	SYBA	A+	Eco/Com/Stats
3	Riddhi Agarwal	agarwalriddhi108@gmail.com	191484	SYBA	A+	Eco/Com/Stats
4	MARIA MATHEW	061.mariamathew@gmail.com	191401	SYBA	A+	Eco/Com/Stats
5	Christi Mariam Denny	071.christimariamdenny@gmail.com	191458	SYBA	A+	Eco/Com/Stats
6	Vaishnavi A Menon	40.vaishnaviamenon@gmail.com	192191	SYBSc	A	Micro/Chem
7	Kevin Abraham	kevinsvitelda@gmail.com	192456	SYBSc	B	LSC/Chem
8	Bhakti Badlani	bhaktibadlani@icloud.com	191436	SYBA	A	Eco/Com/Stats
9	Rajvi Dipesh Sanghavi	85.rajvisanghavi@gmail.com	191515	SYBA	A+	Eco/AIC/Hindi
10	Naomi D'souza	naomi.dsouza@xaviers.edu.in	202031	FYBSc	B	Micro/Chem/Zoo
11	Malaika Petula D'mello	malaika.dmello@xaviers.edu.in	202016	FYBSc	A+	LSC/Chem/Bot
12	Gargi Pandey	gargi.pandey@xaviers.edu.in	202921	FYBSc	B+	Micro/Chem/Zoo
13	Manu Raghavan. P. V	manu.raghavan@xaviers.edu.in	192501	SYBSC	A+	Chemistry/ Phy
14	Robin Francisc	robinfrancisk2001@gmail.com	191010	SYBA	A+	Eco/Com/Stats

Screen Shots of the sessions

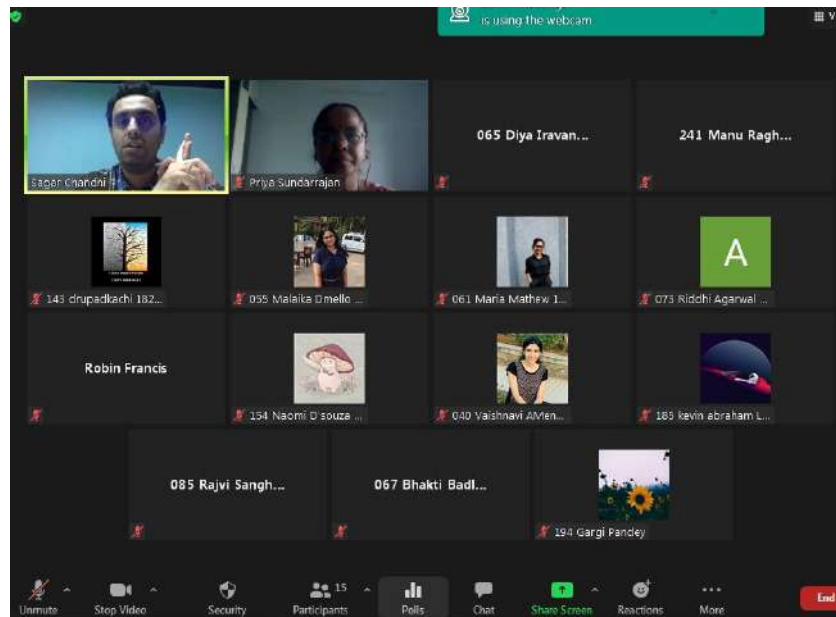
Mr. Shivpuje taking a session on startup



Mr. Sagar Chandni Addressing the students



Mr. Sagar Chandni Addressing the students



Mr. Shivpuje explaining the studetns about start up opportunities



Detailed Report

One of the most sought-after lifestyles in the modern world is in the world of start-ups and entrepreneurship and yet, a significant amount of people ends up failing and most likely quitting on their dream of building their own business. This is what the interdisciplinary honours programme conducted by the Caius Research Laboratory, St. Xavier's College, Mumbai in collaboration with Patlex Business Solutions Pvt. Ltd. has aimed to solve. Educating the younger generation on the necessity and means to pave a path towards building successful start-ups and sustaining them in the long term is a need of the hour and the execution of this well organised four-month long course involving lectures from a wide array of experts from the field caters to that need. Aimed at college students from all disciplines, the only prerequisites that were required for this course was an open mind and passion towards entrepreneurship and the final presentations were a true reflection of these qualities in all the students who signed up for the course.

One of the resource persons of the course was Mr. Vijay Shivpuje who is an innovation enthusiast with rich experience as an IP professional in the Nutraceuticals, Chemistry, Pharmaceuticals, Life Sciences and other allied domains. He is an entrepreneur with interests in educational technology, start up and incubation sphere. The course consisted of lectures from a wide assortment of topics related to entrepreneurship ranging from creative thinking and entrepreneurial mindset required to be successful in the business space to soft skills and practical steps to identify target markets and target customers for your product. In a lecture about creative thinking techniques.

Students were exposed to various methods in which one can think 'out of the box' including a morphological analysis, SCAMPER technique, lateral thinking, mind mapping, brain-storming, random input, reversal and reframing matrix. Mr. Shivpuje elaborated on the 'six thinking hats' and how it can help develop a product or service. In another session conducted by Ms. Ruchi Omprakash, who is an experienced entrepreneur in the biomedical field and came on as a guest speaker, elaborated on the various vital soft skills necessary to succeed in the entrepreneurial space including adaptability, communication, initiative, networking, self-control, empathy, positive mindset, self-belief, resilience and perseverance. She also elaborated the students with a fascinating practical assignment to select a product/service of our choice, talk to five strangers about the selected service, understand the shortcomings of the same and make a proposal of how the customer experience for the said product/service can be improved. This provided the students with a real-world experience of networking with people and creatively coming up with solutions to the problems that customers face from their end. This also helped improve the student's communication skill and presentation ability, both of which are crucial while making a pitch to investors in the real world. Another fascinating guest lecture was one by Mr. Sagar Chandni, an expert in start-up incubation, on the entrepreneurial mindset. He outlined the action steps necessary for an entrepreneur including good listening skills, the ability to separate problems from people and the ability to see situations with a great degree of objectivity. These lectures are only a few examples among the many which acted as a catalyst to deliver the best

knowledge as well as practical experience to the students at an age where it is rarely obtained.

The final assignment of coming up with a novel start-up idea, identifying the target market and target audience and then pitching it to the class was a perfect culmination of the course where all the theoretical knowledge obtained from the lectures were applied and the wonderful array of innovative ideas that were presented is really a testament to the impressive efficiency in which the honours programme was conducted despite being in a completely online environment. The following were the topics presented by the students.

Project name	Sector	Comment
Safetypin	Women's safety [Service]	Business model
Nykaa	Fashion [Product]	E-commerce
Digicloset	App for fashion	Novelty
Tiktok	Social media	Known product
Creator toolkit	Content creation	Novelty
Biowatcher	Social cause	More science
Jab connect	Covid	Data Privacy
Safe-Vendy	Product	Investment
Wrap and Co	Gifting e-commerce	Novelty
The happy vegan	Product	More science
Safe storage	Service	Registered startup
Mom's table	Service	Food delivery
MEDetails	App	Medical
Eco Bricks	Social cause	Product

St. Xavier's College (Autonomous), Mumbai																								
Honours Programme - ATTENDANCE																								
Honours's Activity: Start Up India and Innovation										Year: 2020-21					Activity In-charge: Dr. Priya Sundarajan									
Department: Calus Research Laboratory										Credits: 02					Students: 14									
Number of Hours Worked (3x10 =30 hours)																								
Sr No.	Name	UID no.	Class	Subject	25_01_2021	15_02_2021	19_02_2021	25_02_2021	11_03_2021	31_03_2021	9_4_2021	20_05_2021	21_05_2021	22_05_2021	Total hours worked (30 Hours)	Grades								
1	Drupad Kachi	182001	TYBSC		Lifesc/Biochem	Present	Present	Present	P	P	P	P	A	A	P	24	B							
2	Diya Anil Irvane	191432	SYBA	Eco/Com/Stats	Present	Present	Present	p	P	P	P	P	P	P	30	A+								
3	Riddhi Agarwal	191484	SYBA	Eco/Com/Stats	Present	Present	Present	p	P	P	P	P	P	P	30	A+								
4	MARIA MATHEW	191401	SYBA	Eco/Com/Stats	Present	Present	Present	p	A	P	P	P	P	P	27	A+								
5	Christi Mariam Denny	191458	SYBA	Eco/Com/Stats	Present	Absent	Present	p	P	P	P	P	P	P	30	A+								
6	Vaishnavi A Menon	192191	SYBSC	Micro/Chem	Present	Present	Present	p	P	P	P	A	P	A	24	A								
7	Kevin Abraham	192456	SYBSC	LSC/Chem	Present	Present	Present	p	P	P	P	A	P	P	24	B								
8	Bhakti Badlani	191436	SYBA	Eco/Com/Stats	Present	Present	Present	p	P	P	P	P	P	A	27	A								
9	Rajvi Dipesh Sanghavi	191515	SYBA	Eco/AIC/Hindi	Present	Present	Present	P	P	P	P	P	P	A	27	A+								
10	Naomi D'souza	202031	FYBSC	Micro/Chem/Zoo	Present	Present	Present	p	A	P	P	P	P	P	27	B								
11	Malaiika Petula D'mello	202016	FYBSC	LSC/Chem/Bot	Present	Present	Present	p	P	P	P	P	P	P	30	A+								
12	Gargi Pandey	202921	FYBSC	Micro/Chem/Zoo	Present	Present	Present	p	P	P	P	P	P	P	30	B+								
13	Manu Raghavan. P. V	192501	SYBSC	Chemistry/ Phy	Present	Present	Present	p	P	P	P	P	P	P	30	A+								
14	Robin Francis	191010	SYBA	Eco/Com/Stats	Present	Present	Present	p	P	P	P	P	P	P	30	A+								
Signature of Activity In-charge: Dr. Priya Sundarajan																								



St. Xavier's College (Autonomous), Mumbai

Honours Program 2020-21

Start-up India and Innovation

Lecture series on Start-up, Entrepreneurship and Innovation.

The course is carried out in collaboration with **Patlex Business Solutions.**

Duration: 25th January - 25th April, 2021

Academic year: Students of FY, SY, TY of all disciplines

Fees: Rs. 500

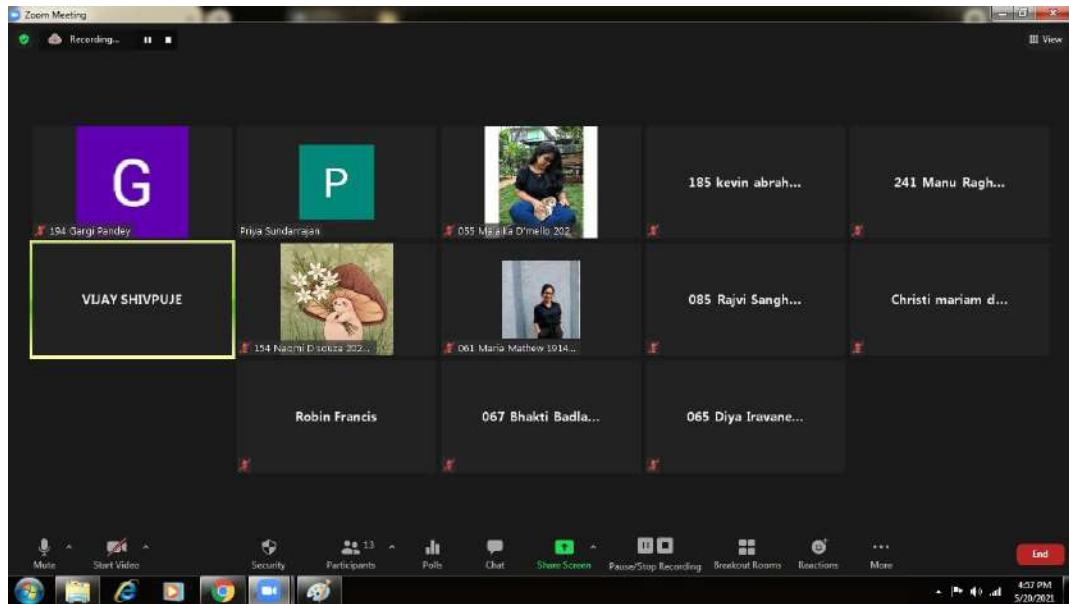
No. of Credits: 2

Evaluation: Continuous evaluation.

Ideation on a startup and presentation at the end of the program.

The course is offered by the Caius Research Laboratory

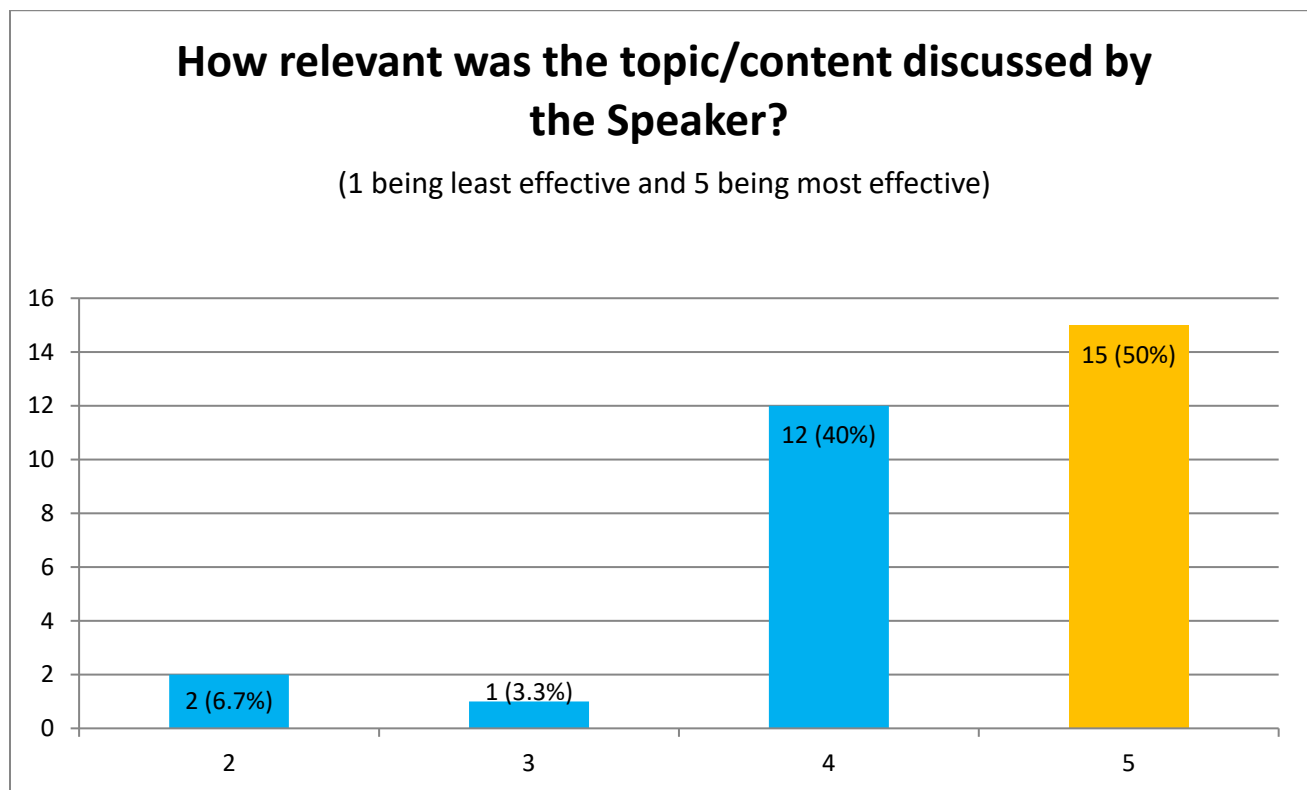
Course conducted by: Dr. Priya Sundarrajan



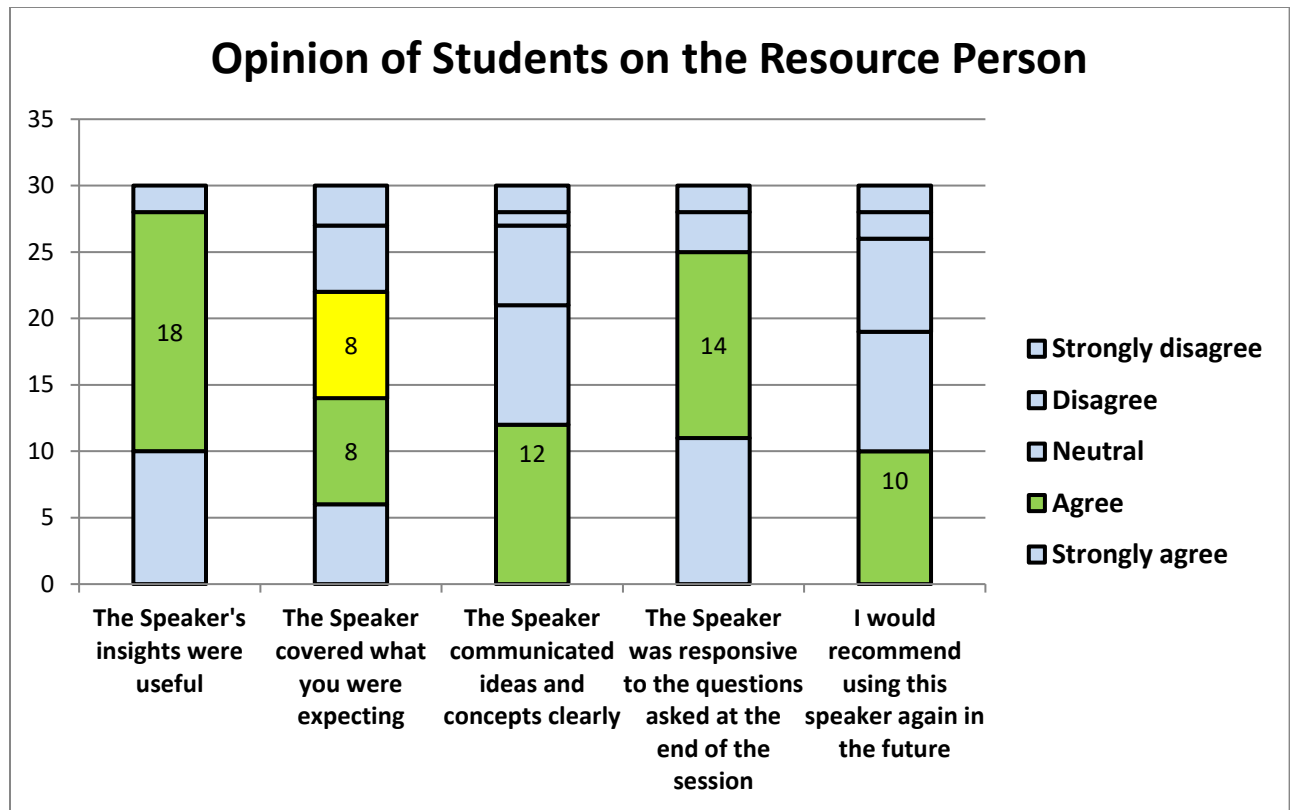
FEEDBACK REPORT ON QUALITATIVE AND LOGICAL PREPARATIONS FOR COMPETITIVE EXAMS BY SHAILESH GOREGAOKAR

Total Number of Respondents: 30

[Link for Responses](#)

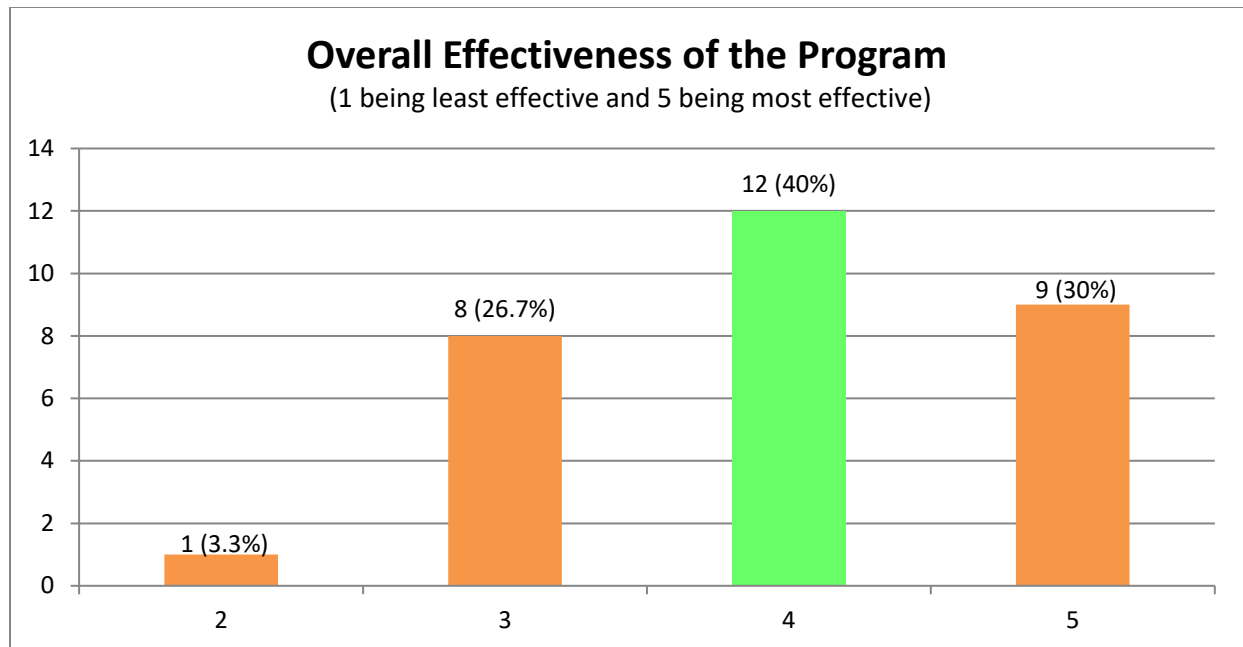


According to the responses collected, 50% of the populated felt that the topic discussed by the resource person was very effective and only 6.7% of the respondents thought the content was very less effective.

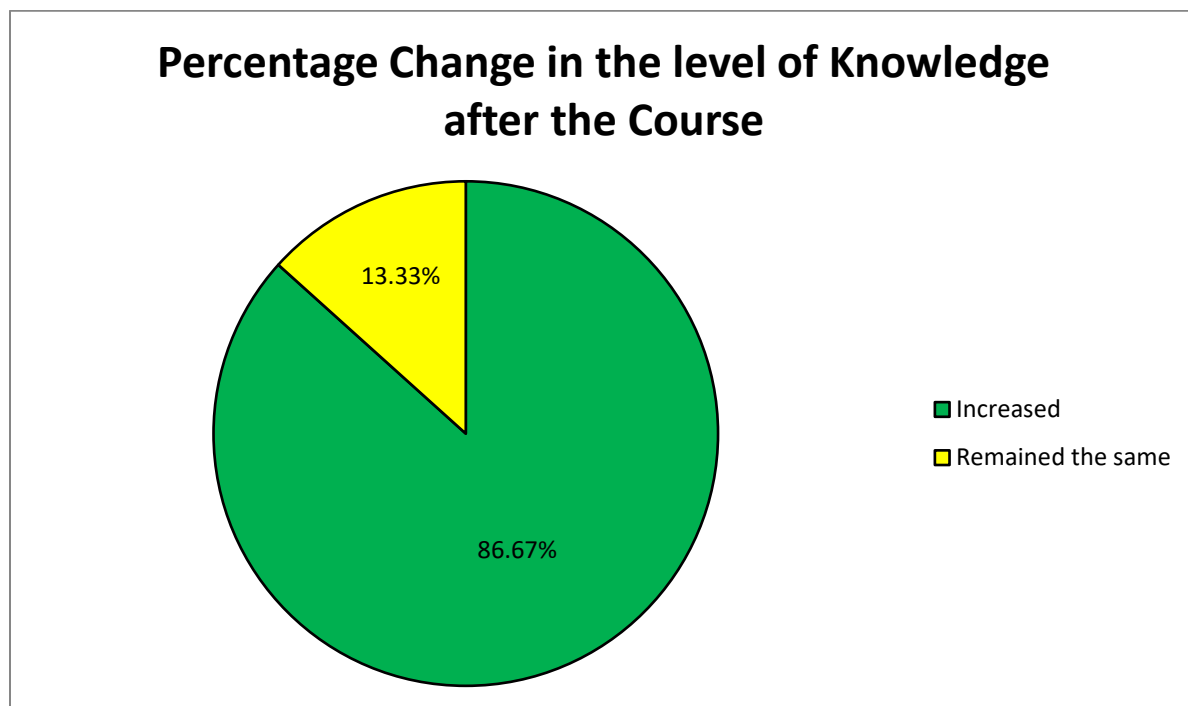


According to the students' opinions on the speaker, behavior of majority of the speakers is as follows -

- 18 students agreed that the Speaker's insights were useful.
- 8 respondents agreed and 8 respondents were neutral to the question that the Speaker covered what the students' were expecting.
- 12 students strongly agreed that the Speaker communicated ideas and concepts clearly.
- 14 respondents agreed to the question that the Speaker was responsive to the questions asked at the end of session.
- 10 students strongly agreed that they would recommend this resource person again in the future.



A large proportion of 12 respondents felt that the program was quite effective as a whole i.e. at rank 4 on a scale of 5 and only 1 respondent felt that it was not at all effective.



Major section of the population i.e. 86.67% of the respondents felt their level of knowledge on the topic increased after the course whereas only 13.33% of the students felt their proficiency remained the same before and after the course.

Quantitative and Logical Preparations for Entrance Exams and Interviews

The objective of this course is to develop basic thinking skills in analysing various problems (mostly of a mathematical or logical nature). The main mode of instruction will be self-discovery where the students will be engaged in groups to come up with various strategies for different problems. We will also discuss a few problems typically asked in placement interviews. It will be a fun-filled 2 day course with lots of puzzles, new ways of looking at problems, and learning some tricks on increasing speed for solving problems.

The topics include

- Mixtures and alligations, speed, time and work, HCF/LCM and remainder problems,.
- Fermi problems
- Mathematical puzzles (With and without use of traditional algebra and geometry).
- Tricks for Speed Solving

The assessment will be based on class participation and a test.

We will have 12 hours of instruction, divided equally in 2 days and the remaining hours will be self-study.

Outline Plan

Day 1

- Session 1

Simple puzzles, usually having multiple answers making the students think in newer ways.

- Session 2

Traditional questions asked in entrance exams. Main topics include speed-time, HCF/LCM, numbers, etc.

Day 2

- Session 1

More involved puzzles. Lot of group activity.

- Session 2

Fermi problems, solutions to some of the puzzles, and final assessment.

SHAILESH GOREGAOKAR

math.shailesh@gmail.com Tel: 9930737691

Godavari Niwas, 1st floor, 14, H. Goregaonkar Marg, Gamdevi, Mumbai 400 007

I have worked for about 30 years in the IT industry in a corporate environment in India and USA. After that I have decided to take up teaching full-time, which has been my passion.

Over the years I've developed a way of teaching that is fun for the students and yet concepts are drilled in. Use of puzzles, games, class participation are key, depending on the level.

While in the USA, mentored several students from Grades 6-12 and beyond, helping some with regular work, some with SAT preparations and a few students with mathematics for the sake of learning mathematics!

In the corporate world in India, organized and taught for technical training programs.

Recommendations by colleagues, seniors and team members as well as by students of Mathematics are given here <http://www.linkedin.com/in/shaileshgoregaokar> and at <http://mathwithshailesh.com>

Education and Certifications

- **M. Tech. Computer Sc. (Gold Medallist), Indian Institute of Technology, IIT Mumbai (1986)**
- Masters in Mathematics with Specialization in Computer Science, IIT Mumbai (1984)
- **Bachelors in Mathematics (First Rank)**, University of Mumbai (1982)
- Associates Certificate in Project Management, George Washington Univ., School of Bus. (2007)
- Published a paper on Asynchronous Message Passing in FSTTCS (1986).

- **Teachers License for Mathematics (April 2010) and Gen. Science (July 2010) in Mass, USA**
- Certified Scrum Master (Feb 2009), Project Management Professional (Mar 2008), CNE (1992)

INDEPENDENT TUTOR

VISITING FACULTY AT ST. XAVIER'S COLLEGE. (NOV 2014 – PRESENT)

ADJUNCT FACULTY AT MEGHNAD DESAI ACADEMY OF ECONOMICS (MAY 2017 – PRESENT)

- COURSES AT MEGHNAD DESAI ACADEMY OF ECONOMICS (P.G. DIPLOMA COURSE)

Foundation Courses in Mathematics, Statistics, Data & Programming and MySQL.

- COURSES AT ST. XAVIER'S

Some mathematical topics in Economics for T.Y. B.A. Eco Honor Students, Linear Algebra for S.Y. B. Sc., Maths, Art of Mathematics for S.Y. B. A, Essentials of Mathematics for M Sc (Microbiology), M Sc (Life Sciences) to name a few.

- AS INDEPENDENT TUTOR

Trained several students from 9th grade to Masters Level in Mathematics.

Held short training programs to inculcate an interest in Mathematics, as well as setting the path to smart studying for IIT JEE.

Trained several students for A-Level Cambridge University (UK) exams.

Held workshops to show that Maths can be fun – teaching through puzzles and developing intuition and interest.

B. K. KHARE & CO. – CHARTERED ACCOUNTANTS (JAN 2014 – OCT 2014) - Director, IT and Admin

Formalising processes in the company so that they can be easily adapted into a system. The company also needed a solid IT infrastructure. Outlined and set the course for its implementation.

POLARIS FINANCIAL TECH (Mar 2011 – Dec 2013) -- Vice-President

Directly reporting to a Business Unit Head, analysing and strategizing the profitability and growth of the unit.

Certified master trainer for PL/SQL and some other courses. **Successfully conducted about 12 2-day training sessions as well as a few two-month induction training programs.**

Ames Safety Envelope Company (Sep 1994 – Dec 2010) -- IT Director

Transformed the company's IT infrastructure and systems. Developed and implemented new IT systems which helped the travelling sales reps (mobile solutions) as well as the back office.

The Boston Group (1991-1994) -- Consultant

As solution specialist for clients - Colonial Mutual Funds, American Red Cross and Data General.

Tata Unisys (1990) -- System Analyst

Was part of the team of developers who developed the entire software of Tata Share Registry Ltd)

Patni Computer Systems (1986 – 1990) -- Software Specialist

A lot of Systems Programming related work and Operating Systems related work was done here with Patni Computers and their partner-associate Data General, USA.

Testimonials on LinkedIn (Public profile - <https://www.linkedin.com/in/shaileshgoregaokar>)



Tvesha Sippy (Taught her Foundation Mathematics and Statistics at Meghnad Desai Academy of Economics 2018-19)

I studied Mathematics, Statistics and basics of Data Programming with Shailesh Sir while pursuing my post graduation from Meghnad Desai Academy of Economics. What I loved about the course was how intuitively intact the disciplines were. We were inspired to look at the subjects as a language, imagine and visualize concepts and break down problems to the most simplest and granular level. What added to the experience was how engaging and interactive our classes were. There was never a dull moment in class. Puzzles, games, open book examinations and stories filled the air. I think quite often students struggle to see the practical applicability of what they study. In my opinion, studying with Shailesh Sir helps you close that gap. He not only exposes you to how a concept is applied outside of academia but also equips you to think about any given problem in a certain way. He always told me, "Work smarter, not harder". That was a big takeaway for me. I really admired how Sir attempted to break down, the mental blocks, fears and prejudices that students often harbor for subjects like Mathematics, Statistics and Data and Programming. Many students felt ill-equipped to entertain problems in these fields. However, what I saw by the end of Shailesh Sir's course was that students cared less and less about marks and their existing aptitude and more and more about understanding concepts, learning for the love of it and enjoying exams and studies. In saying that, a friend of mine who feared math and would cry if she did bad on a test, was given a conditional probability question during an interview for a data analytics job. The very same friend landed that job and when she spoke to me about her interview experience, she emphasized on how she did not get the problem at first. But she worked her way through the answer, by breaking it down, thinking each step through and finding the answer. She said she could hear Shailesh Sir's voice in her head while thinking her way through the answer. That's the beauty of having a teacher like Shailesh Sir. His teachings aren't confined to a course, or an age group. You could be a school kid, a college student or a working professional and still find value being added just by sitting through Sir's classes. It'll help you through life, like it did mine, and also you'd find yourself a professor who is extremely kind, humorous, intelligent and friendly.



Narendran Sairam (Taught him Advanced Maths in Boston – 2007)

Student at PSG Institute of Medical Sciences and Research

I studied the basics of the Fundamental Theory of Calculus and other advanced concepts of Mathematics under Shailesh. Even though I was doing work ahead of my grade level and barking up trees that had yet been unexplored in my school, Shailesh, with his unique teaching methods made the learning fun and fast. His unique way of teaching which involves drilling the concepts rather than the problems works wonders when it comes to the abstruse art of Calculus and he has truly mastered the teaching of this art. Hands down, he is one of the best Mathematics teachers available.



Hemang Nadkarni (Taught him basic concepts after his 10th, preparing for IIT – 1987
His All India Rank – 24)

Senior Software Architect, McAfee Inc, San Fransisco

More than twenty years ago, as a teenager, I had the privilege to be tutored by Shailesh. As a testament to his love of both mathematics and of teaching, Shailesh offered to tutor me in the evenings - gratis. His only expectation was that I put in the requisite effort as a pupil. He lent me his old books, penned notes and exercises in beautiful ink. He sat with me late in the evenings, spending as much time as necessary to explain a topic.

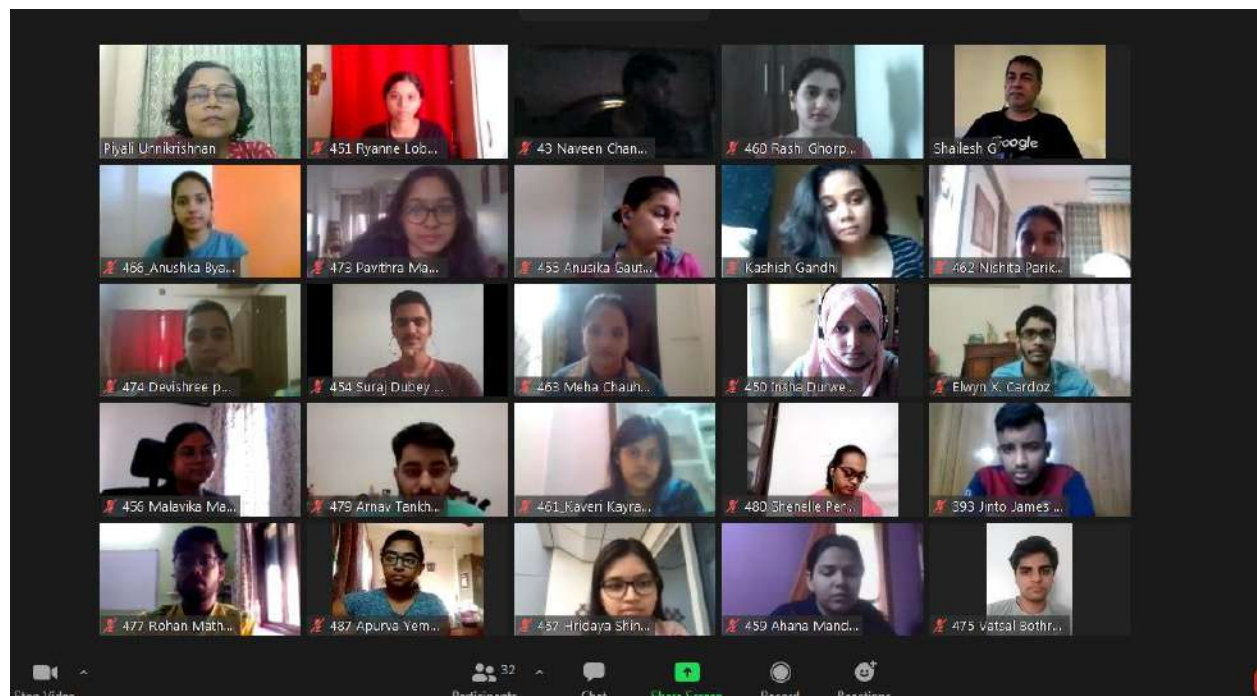
At a critical juncture in my life, Shailesh introduced me to a new world of math, not of abstract symbols and mechanistic steps, but one of deeper meaning, elegance and beauty. The insights I gained from Shailesh's mentoring helped me ace the most competitive test I've ever taken - the IIT (joint entrance exam). But more importantly, it instilled in me a life-long love and appreciation of math. I shall forever remain indebted to him.

Quantitative and Logical Preparations for Entrance Exams and Interviews

Resource person- Sailesh Goregaokar		Coornator- Piyali Unnikrishnan	
UID	Name	Hub	Grade
192135	Ahana Mandal	lingua	A+
192201	Abhinav Dubey	lingua	A+
192350	Apurva Nandkishor Yemul	Lingua	A+
192282	Arnav Tankha	Lingua	A+
192012	Aryan Muchhala	Lingua	A
192240	Devishree Panchal	Lingua	A+
192129	Dhruvit Kothari	lingua	No grade
192298	jinto james	lingua	A+
192511	Kashish Gandhi	Lingua	A+
192317	Lydia Dbritto	Lingua	A+
192126	Malavika Mampally	lingua	B
192148	Nishita Parikh	Lingua	A+
192136	Rashi Ghorpade	lingua	A+
192252	Rohan Mathew	lingua	A+
192650	Rutuja Shinde	lingua	A+
192218	Rutul Garge	lingua	No grade
192040	Ryanne Shavonne Lobo	Lingua	A+
192286	Shenelle Maegan Cecilia Pereira	lingua	A+
192243	Vatsal Bothra	lingua	No grade
192125	Anusika Gautam	lingua	A+
192149	Meha Chauhan	lingua	A+
192128	Hridaya Shinde	Lingua	A+
192363	Lhingnunching Lhungdim	Lingua Humanities	A+
192229	Pavithra Manoj	Lingua Humanities	A+
192112	Suraj Dubey	Lingua Humanities	A+
192167	Anushka Byadagi	physical sciences	A+
192264	Elwyn Cardoz	physical sciences	A+
192032	Insha Durwesh	physical sciences	A+
192144	Kaveri Kayra	physical sciences	A+
192163	Stuti Subramani	physical sciences	A+
195211	Naveen Chandel	physical sciences	A+

Summer workshop- SYBSc						
sr no	uid	Name	Hub	mobile no	emaild id	local/nonlocal
1	192012	Aryan Muchhala	Lingua	9920533797	aryan.muchhala@gmail.com	local
2	192032	insha durwesh	physical sciences	7977688313	durweshinsha@gmail.com	local
3	192129	dhruvit kothari	lingua	9967200111	dhruvit.kothari@gmail.com	local
4	192243	vatsal bothra	lingua	8949487941		non local
5	192298	jinto james	lingua			non local
6	192201	abhinav dubey	lingua	738749496	abhinav19082@gmail.com	local
7	192264	Elwyn Cardoz	physical sciences	8850401232	elwyncardoz@yahoo.in	local
8	192363	Lhingnunching Lungdim	Lingua Humanities	8450927740	nununlungdim@yahoo.in	local
9	192229	Pavithra Manoj	Lingua Humanities	7021318277	pavithramanojofficial@gmail.com	local
10	192282	Arnav Tankha	Lingua	7675072973	arnavtankha6002@gmail.com	local
11	192511	Kashish Gandhi	Lingua	9769121926	kashish.gandhi12@gmail.com	local
12	192252	rohan mathew	lingua	7506553068	rohanenoss203@gmail.com	local
13	192650	Rutuja shinde	lingua	8108608389	rutujashinde393@gmail.com	local
14	192135	Ahana Mandal	lingua	9163888797	ahanamandal.bss@gmail.com	non-local
15	192218	Rutul Garge	lingua	9999096251	rutulgarge1@gmail.com	non-local
16	192126	Malavika Mampally	lingua	9920394653	malavikamampally@gmail.com	local
17	192167	Anushka Byadagi	physical sciences	9702769493	anushka.byadagi@gmail.com	local
18	192163	stuti subramani	physical sciences	7024777009	stuti05subramani@gmail.com	non-local
19	192112	Suraj Dubey	Non-Honours	8080835297	surajdubs12321@gmail.com	local
20	192350	Apurva Nandkishor Yemul	Lingua	9372864142	appu030102@gmail.com	local
21	192286	Shenelle Maegan Cecilia Pereira	lingua	7741006912	shenellepereira9@gmail.com	non local
22	192144	Kaveri Kayra	physical sciences	8299544519	kavereekayra@gmail.com	non local
23	192136	Rashi Ghorpade	lingua	9987511667	ghorpaderashi@gmail.com	local

24	172092	Ros Paul	physical sciences	8078210159	rospaul20@gmail.com	non local
		17600		14000		
			15500	2000		
				16000		

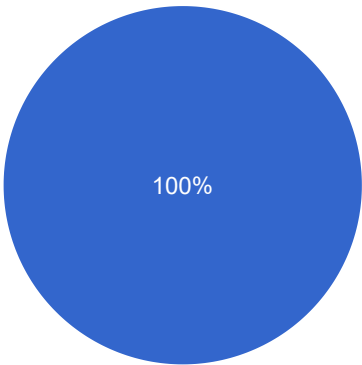


Feedback on Honors Program 2020-2021. Honors Program: GAAP, Conducted by Caius Research Laboratory in collaboration with RUR Greenlife.

5 responses

[Publish analytics](#)

1 response



● Option 1

1 response

It was always very fun during lectures.



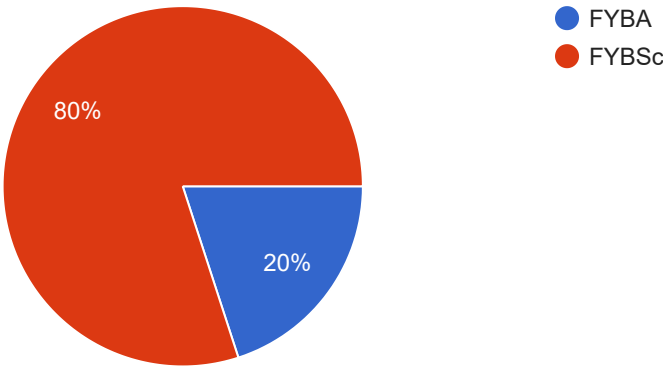
Full Name

5 responses

- Vidhi Somani
- Katherine Shoju Vadakethala
- Vibhuti Gurao
- Malaika Petula D'mello
- Anamika. K

Class

5 responses



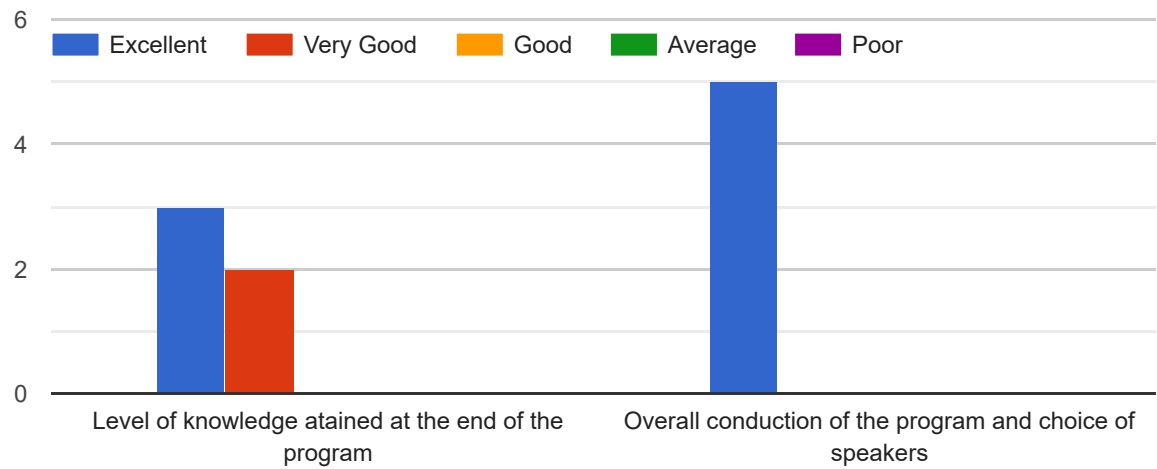
UID number

5 responses

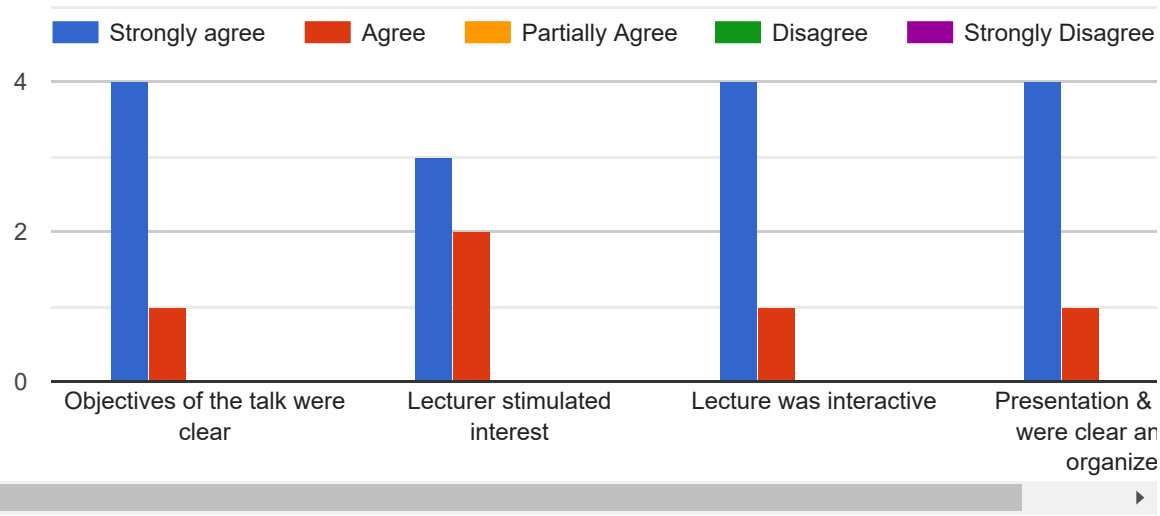
- 201490
- 202438
- 202150
- 202016
- 202245



Overall Feed back of the Honors Program

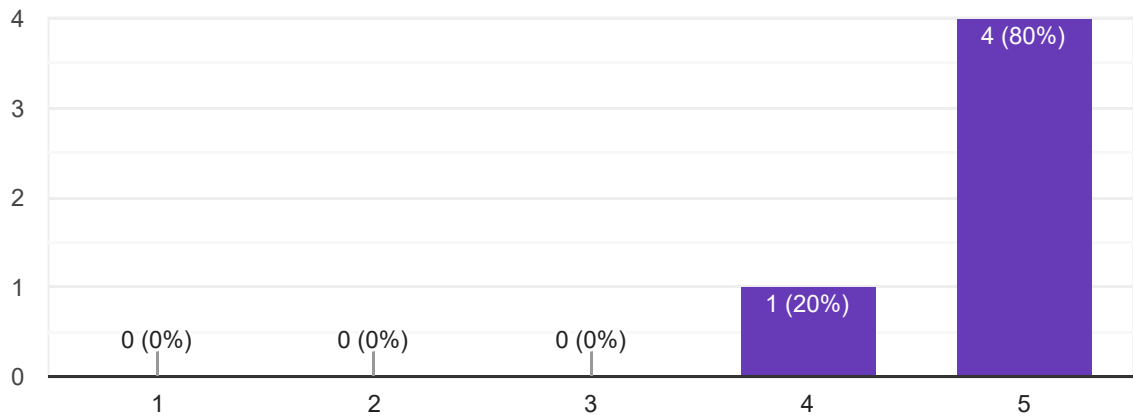


Sessions by Dr. Aparna Pandey

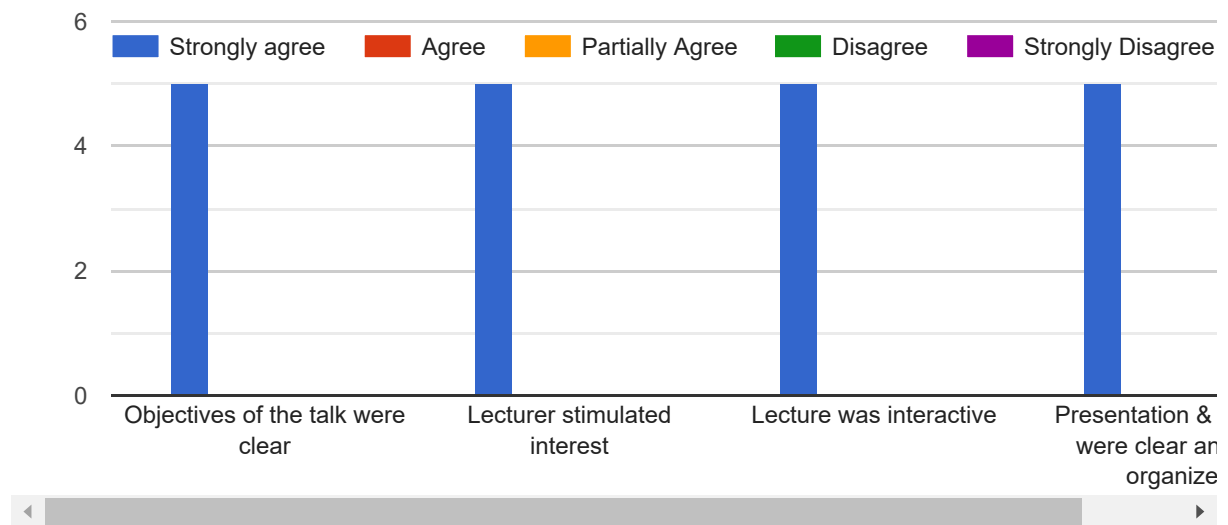


Overall how satisfied were you with the session by Dr. Aparna Pandey

5 responses



Sessions by Mr. Pratik Shanbhag



What aspects of the Honors Program was useful?

5 responses

This programme was really eye opening and enlightened me about sustainable living. It helped me explore my interest in it even more with a group of very interesting individuals. I learned about a lot of the science behind sustainability and how to use my wet waste effectively. It has encouraged me to be more mindful about my waste and create less of it. Loved it!

Learning about new terms and aspects of environmental problems and how waste can be decreased right at home.

It was very helpful as I found a place to actually put what I wanted to do in theory.

This program was a real eyeopener to some of the basic practices that subconsciously occur in our households. I was able to increase my knowledge about various topics like waste management, composting and planned obsolescence.

This program helped me learn more about sustainable living. Some sustainable practices which can be practiced at home and thus do something for our environment.

Any other suggestions?

5 responses

None

The whole course was very insightful and fun, loved every moment of it.

none, really

Nothing to add, It was great !

The sessions were really amazing. I wish more students were part of the program.

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Google Forms



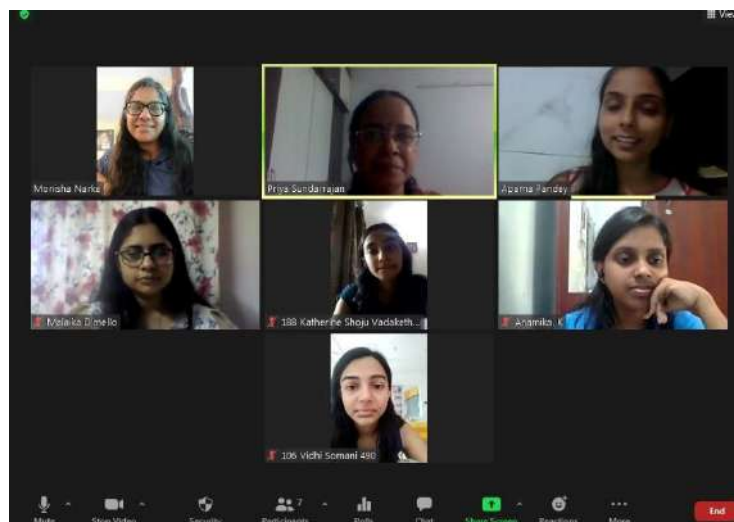
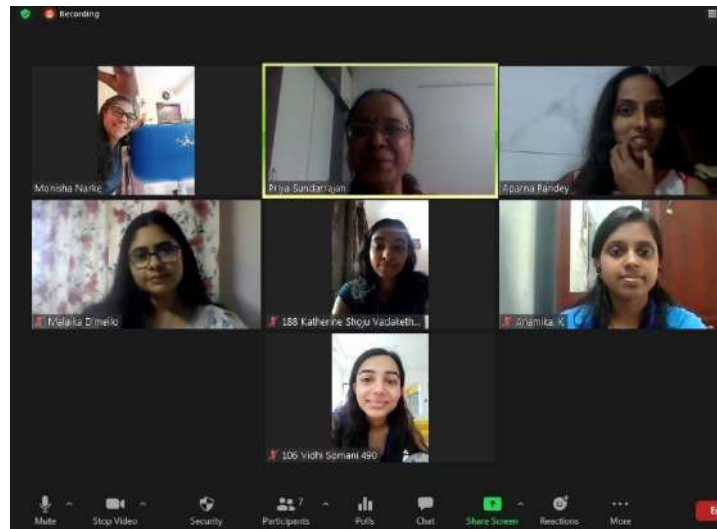
**HONOURS CERTIFICATE PROGRAMME REPORT
AY 2020-2021**

	General Information of the Activity	
1.	Department and Hub	Caius Research Laboratory, Biological Sciences
2.	Title of the Activity	Understanding Urban Sustainable living for a cleaner and greener planet
3.	Name of the Professor conducting the course	Dr. Priya Sundarrajan
4.	Name/s of the Resource person/s	Dr. Aparna Pandey, Mrs. Monisha Narke, Mr. Pratik Shanbag – All from RUR Greenlife and Ms. Stuti Jain, SwapFashions
5.	Name of the Dept Coordinator	Dr. Priya Sundarrajan, Director, Caius Research Laboratory
6.	Name of the Hub Coordinator	Dr. Priya Sundarrajan
7	Number of credits for the activity and number of hours	One – 15 hours, Online via Zoom Platform
8	Number of students registered (Attach an Annexure A with Name, UID and Class)	Eight
9	Number of students completed the activity (Attach an Annexure B with Name, UID and Class)	Five

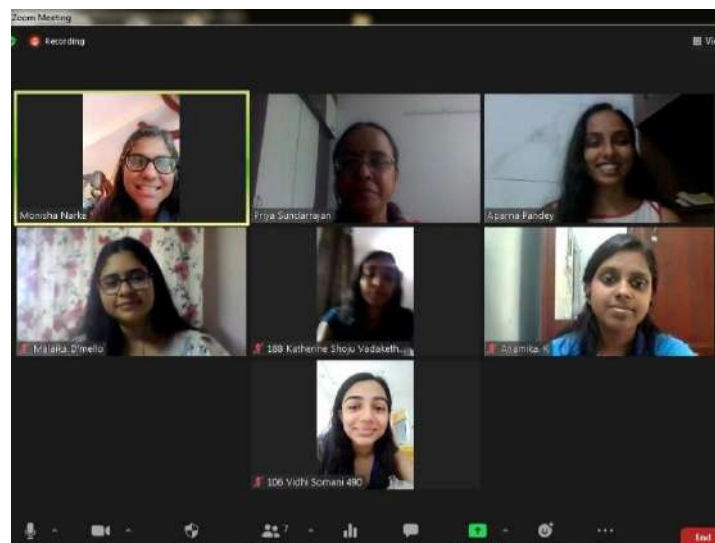
	Details of the Activity
1	Title: Understanding Urban Sustainable living for a cleaner and greener planet.
2	Description and Timeline: The Course was conducted in collaboration with the NGO RUR GreenLife. The aim is this course is to create changepreneuers who are conscious and sustainability leaders of the future. The Program was offered as an interdisciplinary program open to all disciplines and years. The overall objectives of the course for the students are to: a. Understanding waste footprint, waste management through auditing. b. Microbiology, chemistry, and technology of home composting c. Understanding dry waste streams and various modes of recycling. Insights into the difference between upcycling and recycling. Sustainability footprint of each d. Kitchen gardening, herb gardening, DIY home cleansers to mitigate toxic strong acid cleaners at home, and understanding the positive environmental impact of each action. e. A conclusive group discussion amongst students to brainstorm new ways to implement a sustainable decentralized waste management system. The sessions were of two to two and a half hours each and were held on 1/6/2021; 5/6/2021; 8/6/ 2021; 12/06/2021; 19/6/2021, 26/6/2021.
3	Evaluation Continuous assignments, reflections on environmental issues and report.
4	Feedback to assess the learning outcomes (Google form PDF as Annexure C or paste it here): Attached as annexure C
5	Photographs/Photo Gallery: given below

Screen Shots of the sessions

Dr. Aparna Pandey and Mrs. Monisha Narke Taking the sessions on Waste management



Dr. Aparna Pandey and Mrs. Monisha Narke Taking the sessions on Sustainable living



Mr. Pratik Shanbag and Stuti Jain Taking the session on Green Planet





Window garden maintained by one of the students

Detailed report

This Honours course which was organized by The Caius Research Laboratory, St. Xaviers College, Mumbai, in collaboration with Dr Aparna Pandey from RUR GreenLife Pvt Ltd, was a real eye-opener to some of the basic practices that subconsciously occur in our households. Dr Aparna Pandey made the sessions interactive with open discussions and mini assignments throughout and in between our sessions which gave the students a better understanding of the various topics. Throughout the 6 sessions conducted, the students were able to interact not only with the facilitators but also with peers which made the discussions livelier. Although this course was conducted on an online forum, given the current situation around us, the manner it was conducted made me feel as though I was having a face-to-face interaction.

Session 1: which was conducted on the 1st of June, 2021, by Dr Aparna who explained the basics of sustainable goals before moving ahead. The students were able to strengthen their knowledge on various topics like Biodiversity, Sustainability, etc. They gained an understanding of the Segregation of Waste in Present Day India. They recognised that educating our country, and adopting a decentralised and holistic system for waste management was of utmost importance. The introduction of Planned Obsolescence was an eye-opener into the practices of businesses around the world. The primary example was the case study on the 'Light Bulb Conspiracy', but the students began to identify various examples of planned and perceived obsolescence in their household with various electronics, footwear, etc. Hence learning about the same helped to re-evaluate the purchases and indirectly helped to save money.

Session 2: Educated the students about the importance of a circular economy, which is especially beneficial in a country like India. Through this, the students were able to see how leading brands like Tata, Airbnb, Tesla, etc use the RESOLVE Framework in a Circular Economy to their benefit. For example, Nespresso uses 'Regenerate' by repurposing raw materials and shifting to renewable energy. The interactive activity of identifying sustainable practices in the image shown to us made it simple to understand and emulate these practices in our daily lives. By appreciating the steps made by other countries like Denmark, Netherlands, etc moving along into a circular economy helps in accelerating India's shift to a circular economy. Dr Aparna explained each of the 'United Nations Sustainable Development Goals', and understanding the depth of problems motivated us to be better citizens and contribute in any way possible.

Session 3: Learning about the insights into segregation at source during session 3 was a real wake-up call into the waste we produce as a city, and the manner in which we dispose of it. After a quick briefing on the topic, the students were able to evaluate the pros and cons of Centralised vs Decentralised Waste Management. Decentralised waste management seemed to be the ideal method as it is an attempt in the right direction to reduce wastage, it's more affordable, and it is easier waste management for the Government. Dr Aparna clarified our doubts regarding the numerous waste bin approach and their advantages in our day-to-day lives. This motivated to be more considerate while segregating and disposing of waste. This also helped to understand that zero waste does not mean no-waste, as we need to focus on maximising our resources till they simply cannot be used.

The Waste audit assignment was like a magnifying glass into the practices of my household, as we were easily able to identify the source of the waste problem and rectify the same. The creation of a Mind Map consisting of the waste we generate as a household gave me a clearer idea of the various streams of segregation of waste, and was easily able to record and tabulate my data. In this process of conducting a waste audit. The students identified the importance as It helped us to reduce the production of waste at home. We were able to determine the effectiveness of waste management and it helped us identify any need for implementing new strategies in waste management. It also helped us save money as we began evaluating our purchases and hence started identifying valuable items that could be recycled.

Session4: Dr Aparna Pandey gave us a complete Crash Course on Composting in session 4. The students were briefed about the various types of composting like Aerobic and Anaerobic along with a step-by-step guide of simple methods we could implement to practice composting ourselves. They were educated on the importance of various factors like Oxygen, pH, Temperature and Moisture and how its presence or absence would affect the yield of compost. To add to this, Ms Monisha Narke, The Founder of RUR joined us to give us a ‘virtual hands on’ experience of the RUR GreenGold Bio-Composters. Ms Monisha also ensured to guide the students through its working and clarified any possible doubts we would have. The students were content to discover that RUR was trying their best to repurpose components in their Bio-composters as well, as Ms Monisha informed us that the Handle of the Bio-composters were pedals of cycles. This session strengthened the little knowledge I had on composting and motivated me to take it to the next level.

Session 5: The students were educated on the importance of Kitchen Gardening in session 5 where the speaker, Dr Aparna briefed us about the various methods and plants which were ideal for kitchen gardening. They could grasp the understanding of the benefits of kitchen gardening as it is cost-effective and aids in keeping the Food Supply Chain as short as possible. They were also educated about the prerequisites of kitchen gardening like space available, Size of the container, pot selection and type of plant. Dr Aparna also enlightened about the advantages of cultivating microgreens as they are rich in nutrients and often contain large amounts of vitamins, minerals and antioxidants. I learned about a new concept called Companion Farming which involves cultivating plants with complementary traits.

Session 6 was the perfect way to wrap up this Honours course, as the speakers were more interested in hearing our views and opinions which made the session highly interactive. Mr Pratik Shanbhag, who was our main speaker, kicked off the session by educating us about our plastic consumption habits. He made sure to keep the session light by including various interactive polls and memes which made the session enjoyable. Through this session, I was enlightened about various important concepts like Earth Overshoot Day, The 7 different types of plastic, etc. We were able to contribute to the conversation by our inputs in discussions like ‘Pros vs Cons of plastic’. Mr Pratik informed us about the problem and helped us identify the solution by providing us with various alternatives to the use of plastic. Following Mr Pratik, the Founder of the company ‘SwapFashions’. Ms. Stuti Jain gave a brief about her company and their mission to reduce the production of waste in the Fashion industry. By the means of ‘Swapping’, as she mentioned, one can essentially purchase clothes at one-tenth the original price. The students loved the concept and mission of her company as not only can easily purchase new clothes economically but also play their part in reducing the production of waste. This session changed the outlook on the fashion industry, as I hope to practice upcycling, thrifting and now Swapping instead of buying from Fast Fashion brands.

Appendix A: Number of students registered for the program

Sr. No.	Name of the student	Mail Id	UID	Class	Stream	Subjects
1	Leya P Sam	leyasam19@gmail.com	191350	SYBA	Arts	
2	Saloni Ganesh Diwate	salonidiwate@gmail.com	192636	SYBSc	Science	
3	Shaniah Fernando	151.shaniahfernando@gmail.com	191207	SYBA	Arts	
4	Vidhi Somani	vidhi.somani@xaviers.edu.in	201490	FYBA	Arts	Eco/AIC/Hindi
5	Vibhuti Gurao	vibhuti.gurao@xaviers.edu.in	202150	FYBSc	Science	Micro/chem/Phy
6	Anamika K	anamika.k@xaviers.edu.in	202245	FYBSc	Science	Micro/Chem/zoo
7	Katherine Shoju Vadakethala	katherine.vadakethala@xaviers.edu.in	202438	FYBSc	Science	Micro/Chem/Zoology
8	Malaika Petula D'mello	malaika.dmello@xaviers.edu.in	202016	FYBSc	Science	Lsc/Chem/Bot

Appendix B: Number and details of students who completed the course

Sr. No.	Name of the student	Mail Id	UID	Class	Stream	Subjects	Grades
1	Vidhi Somani	vidhi.somani@xaviers.edu.in	201490	FYBA	Arts	Eco/AIC/Hindi	A+
2	Vibhuti Gurao	vibhuti.gurao@xaviers.edu.in	202150	FYBSc	Science	Micro/Chem/Phy	A+
3	Anamika K	anamika.k@xaviers.edu.in	202245	FYBSc	Science	Micro/Chem/Zoo	A+
4	Katherine Shoju Vadakethala	katherine.vadakethala@xaviers.edu.in	202438	FYBSc	Science	Micro/Chem/Zoo	A+
5	Malaika Petula D'mello	malaika.dmello@xaviers.edu.in	202016	FYBSc	Science	Lsc/Chem/Bot	A+

St. Xavier's College (Autonomous), Mumbai														
Honours Programme - ATTENDANCE														
Honours's Activity: Understanding Urban Sustainable living for a cleaner and greener planet							Year: 2020-21		Activity In-charge: Dr. Priya Sundarrajan					
Department: Caius Research Laboratory							Credits: 01		Students: 5					
				Number of Hours Worked										
Sr No.	Name	UID no.	Class	1_06_2021 (2.5 hrs)	5_06_2020 (2.5 hrs)	8_06_2021 (2.5 hrs)	12_06_2020 (2.5 Hrs)	19_05_2021 (2.5 hrs)	26_06_2021 (2.5 hrs)	Total hours worked (15 hrs)	Grades			
1	Vidhi Somani	201490	FYBA	P	A	P	A	A	P	7.5	A+			
2	Vibhuti Gurao	202150	FYBSc	P	P	P	P	P	P	15	A+			
3	Anamika K	202245	FYBSc	P	P	P	A	P	P	12.5	A+			
4	KATHERINE SHOJU VADAKETHALA	202438	FYBSc	P	P	P	P	P	P	15	A+			
5	Malaika	202016	FYBSc	P	P	A	P	P	P	12.5	A+			
6				P	P	P	P	P	P	15	A+			
7														
8														
9														
10														
Signature of Activity In-charge: Dr. Priya Sundarrajan														

Time Series Analysis using R

Date: 9th April 2021

Time: 11 am

Following topics will be covered during session:

(Theory based)

- 1) Stationary time series, white noise
- 2) Introduction to AR, MA, ARMA & ARIMA models

(R Software application based)

- 3) Assumption testing
- 4) Estimation of parameters of time series models
- 5) Forecasting based on time series models

References used for above topics:

Video Links

[Time Series Forecasting Theory | AR, MA, ARMA, ARIMA](#)

[Autoregressive vs. Moving Average: Difference between AR and MA in Microsoft Excel](#)

[White Noise](#)

[Stationarity](#)

[ACF & PACF](#)

Webpage Links

[A Complete Tutorial on Time Series Modelling in R](#)

[Using R for Time Series Analysis](#)

TYBA Attendance for Time Series course (Prof. Mayur More)

Sr. No.	Name	Roll number
1	Mallika Rahane	140
2	Harneet Singh	143
3	Jessica Singh	146
4	Dhwani Shah	151
5	Aarushi Tulsiyan	156



ST. XAVIER'S COLLEGE
(AUTONOMOUS)
5, Mahapalika Marg, Mumbai - 400 001,
INDIA.
☎ 2262 0661/65

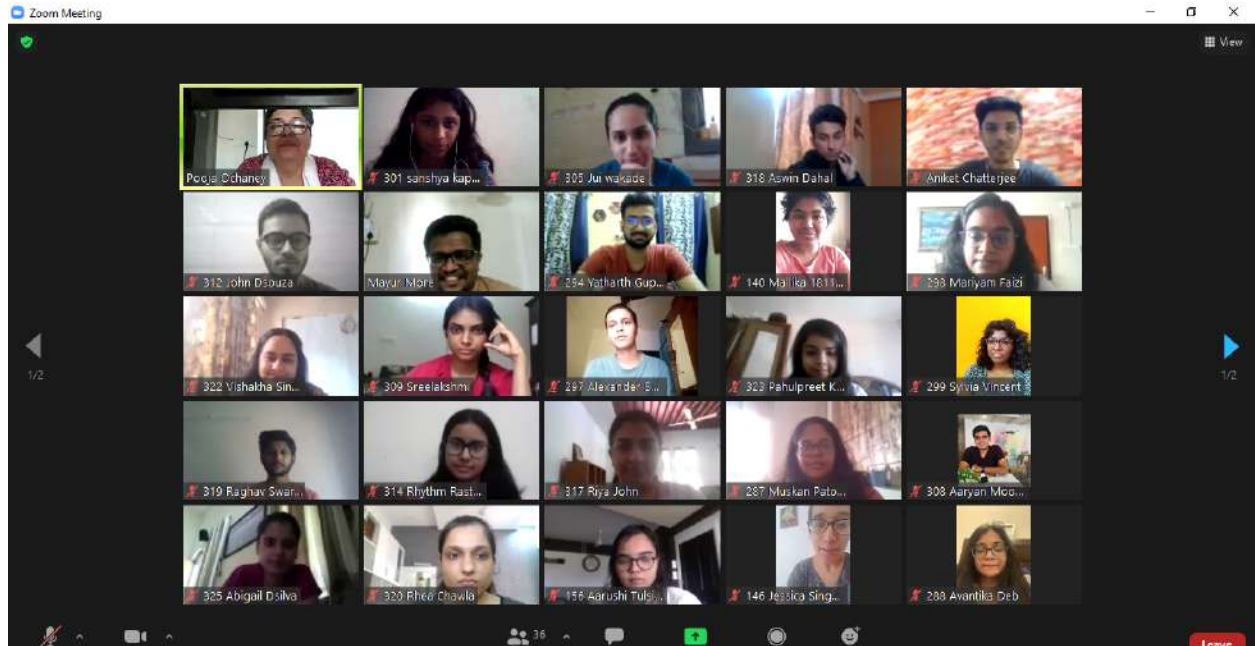
To,
Mr. Mayur More
Assistant Professor
St. Xavier's College, Mumbai

Dear Mayur More,

On behalf of the Department of Statistics, I thank you for conducting the lecture "Time Series Using R" for our undergraduate students on 9th April, 2021 in the academic year 2020-2021.
Your lecture was well appreciated and the students have benefited greatly.
Looking forward to further academic interaction with you.

Thanking you,

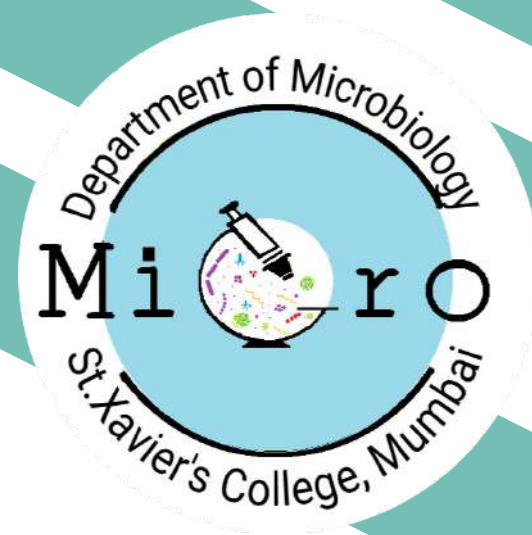
Prof. (Ms.) Myrtle. C. Fernandes
Head – Dept. of Statistics
St. Xavier's College – Autonomous
Mumbai.



2-DAY GAME-BASED WORKSHOP ON PROBLEM-SOLVING

By Dr. Parul Anup, Tramseb

The Department of Microbiology, St. Xavier's College (Autonomous), Mumbai had organized a two-day game-based workshop on problem-solving for UG and PG students on 8th and 9th March 2021. The workshop was sponsored by RUSA and was conducted by Dr. Parul Anup from Tramseb Learning Solutions Pvt. Ltd. The workshop commenced with Ms. Miriam Stewart, HOD (Microbiology) introducing Dr. Parul. The theme for Day 1 was "critical thinking as a tool for problem-solving", and the resource person covered concepts of cognitive bias, logical fallacies, and the importance of observation and asking thought-provoking questions. Day 2 of the workshop was based on 'creative thinking as a tool for problem-solving', and Dr. Parul conveyed the concept of creative thinking, the tools involved to inculcate the same, and the importance of "crazy" thinking. Both sessions were of 2.5h duration and involved mind-games and activities to engage participants and get their creative juices flowing! The resource person addressed questions as they came apart from the ones at the end of the sessions. The workshop was truly one-of-a-kind and thus it came as no wonder that the participants were so eager to actively participate. The workshop concluded with a vote of thanks by Ms. Uzma Shaikh, an MSc Part 2 student of the department.



St. Xavier's College (Autonomous), Mumbai

Department of Microbiology
under the aegis of RUSA
presents

GAME-BASED WORKSHOP ON PROBLEM SOLVING

BY - DR. PARUL ANUP

(Co-Founder and Chief Content Officer, Padhio at Tramseb Learning Solutions Pvt. Ltd.)



Part 1: Thinking Critically

MONDAY, 8TH MARCH

4PM - 6:30PM

Part 2: Thinking Creatively

TUESDAY, 9TH MARCH

4PM - 6:30PM

Click here to register:

<https://forms.gle/1eu4hhXvgsETzbFSA>



Tramseb workshops use game based pedagogy. Games are effective learning mechanisms because they lower the guards of students to learn new things, allow students to incorporate deliberate practice without much efforts in fun and interesting ways, and students can learn while observing their peers. In addition to game based pedagogy, some of the other unique features that make these workshops more effective and useful for students are listed below:

1. **Custom made workshops adapted for student's needs:** Tramseb workshops are customized to meet the requirements of college. Customization in this case includes games adopted according to the number of students. This is one of the steps that takes maximum efforts. Typically, we have 25 students for our workshop, but to adapt it to 100 students capacity, we will have to redesign games so that a larger number of students can independently engage with them. Since individual feedback is hard to provide for masses, our games will be specifically changed so that students can assess their performance on their own.
2. **Not just a seminar, but knowledge + application:** Typically seminars are restricted to just giving knowledge. However, Tramseb workshops aim at achieving something more i.e. helping students put the learned concepts into practice. We host transferability sessions during our workshops where tools and techniques related to thinking and social emotional skills are practiced. Information about critical thinking and creativity is readily accessible, but students hardly benefit from it because the information lacks context of where it can be applied. In Tramseb workshops, we make sure that context and applicability are both discussed as well as practiced in the session, such that students hone the tools, not just learn about them.
3. **Engaging:** With games as a central part of the workshop, Tramseb workshops are engaging. It is known that engagement has a significant positive correlation with learning. Moreover, games adapted to suit students' context make them more relevant, and engaging at the same time. We make sure that students are engaged at every point of the workshop by providing them activities, and challenging them to think throughout the session.
4. **Feedback oriented:** Our workshops and seminars aim at providing students feedback on their current understanding of these skills. Our workshops are designed such that students, while doing activities in the workshop can gauge their strengths and weaknesses in the skill.
5. **Complete problem solving:** For the current workshops to be organized in Xavier's, we are offering a combination of creativity and critical thinking modules spread across two days to help students get a complete perspective of problem solving tools. Most of the students will step into the job market in a few years. Employers seek these skills from employees. With Tramseb workshop, students

have an unmatched opportunity to develop strong basics of these skills and motivation to work on building them further.

6. **Prior experience with Xavier students:** Tramseb has conducted game based seminars with Xavier's previously. The response has been excellent and students loved it. They find the concept of game based pedagogy unique and appealing. Moreover, the opportunity to think that the seminar provided, motivated many of the students. Such a strong repo build-up with the students is a plus for us and we think because of this repo students would benefit all the more.

We hope that the above points clearly distinguish Tramseb game based workshops from other standard workshops. Looking forward to impacting students and bringing them the utmost value with our offerings.

Regards,
Tramseb Team

TELEVISION VIEWERSHIP POINTS

Course Objectives:

To orient students on:

1. Understanding TV consumption
2. Terminology used in this field
3. Methodology of measuring TV viewership

Learning Outcome:

Students will know how agencies (TAM/BARC) measure TV viewership for PAN India.



ST. XAVIER'S COLLEGE

(AUTONOMOUS)

5, Mahapalika Marg, Mumbai - 400 001,
INDIA.

☎ 2262 0661/65

To,
Mr. Nitish Bhardwaj
Manager (Media Analytics)
Nielsen Media India Pvt Ltd

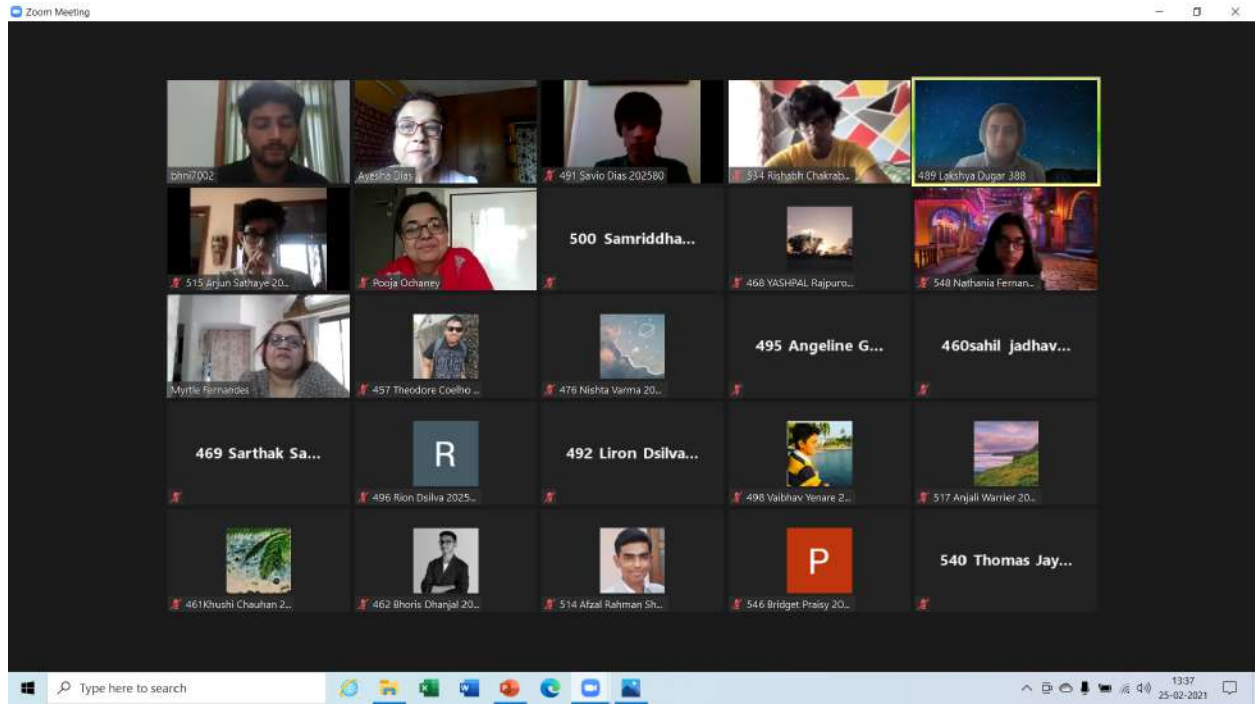
Dear Mr. Nitish Bharadwaj,

On behalf of the Department of Statistics, I thank you for conducting the session – “Television Rating Points (TRP's)” for our undergraduate students on 25th February in the academic year 2020 -2021. Your lecture was very well appreciated and the students have benefited greatly. Looking forward to further academic interaction with you.

Thanking you,

Prof. (Ms.) Myrtle. C. Fernandes
Head – Dept of Statistics
St. Xavier's College – Autonomous
Mumbai.

Zoom Meeting



A screenshot of a Zoom meeting grid with 20 participants. The grid is arranged in 4 rows and 5 columns. The participants' names and IDs are visible below their video thumbnails. The thumbnails show various backgrounds, including indoor settings, nature scenes, and abstract art. The bottom of the screen shows the Windows taskbar with the search bar and system tray.

Participant Name	Participant ID
bhm7002	491 Savio Dias 202580
Arshita Dhar	314 Rishabh Chakrab...
489 Lakshya Duper 388	
515 Arjun Sathaye 20...	500 Samriddha...
Pooja Ochaney	468 VASHPAL Rajpuro...
548 Nathania Fernan...	
Myrtle Fernandes	495 Angeline G...
457 Theodore Coelho ...	460sahil jadhav...
476 Nishita Varma 20...	
469 Sarthak Sa...	492 Liron Dsilva...
496 Rion Dsilva 2025...	498 Vaibhav Yenare 2...
517 Anjali Warrior 20...	
461 Khushi Chauhan 2...	546 Bridget Praisyy 20...
462 Bhoris Dhanjal 20...	540 Thomas Jay...
514 Afzal Rahman Sh...	

Type here to search

1337
25-02-2021

Meeting ID : 98558346068	Topic	Start Time
User Email : myrtle.fernandes@xaviers.edu	FYBSc - Thur, 12.40pm	25-02-2021 12:35
Duration (Minutes) : 73	Participants : 48	

457 Theodore Coelho 202001	theodore.coelho@xav	64
460sahil jadhav202017		66
461Khushi Chauhan 202019	khushi.chauhan@xavie	62
462 Bhoris Dhanjal 202020	bhoris.dhanjal@xavier	62
466 Gayatri Savarkar 202178	gayatri.savarkar@gma	58
467 Ritu Chand 202183	rituchand14062002@x	66
468 YASHPAL Rajpurohit 202189	yprajpurohit2001@gr	62
469 Sarthak Sawant	sarthak.sawant@xavie	65
472 Bhavika Chawla 202214	bhavika.chawla@xavie	58
476 Nishta Varma 202335	nishta.varma@xaviers	67
477 Srinidhi Kavirayani	srinidhi.kavirayani@xav	55
481 Soumitri Debroy 202 354	soumitri.debroy@xavi	59
482 Abhijay Kadlak	54c9ei@f5.si	58
489 Lakshya Dugar 388	lakshya.dugar@xavier:	66
491 Savio Dias 202580	savio.dias@xaviers.edi	66
492 Liron Dsilva 202581		65
495 Angeline George 202586		66
496 Rion Dsilva 202588	rion.dsilva@xaviers.ed	65
498 Vaibhav Yenare 202729		64
499 Gauransh Srivastava 838		46
500 Samriddha Ghosh 202843		63
510 Harsh Chourasia 202007	harsh.chourasia@xavi	28
511 Neha Kochar 202009	neha.kochar@xaviers.	60
512 Eashan Jairam 202013		50
514 Afzal Rahman Shaikh 202169	afzal.shaikh@xaviers.e	60
515 Arjun Sathaye 202171	arjun.sathaye@xaviers:	66
517 Anjali Warriar 202173	anjali14.warrier@gma	64
520 Shubham Mahaddalkar 202181		58
527 Tanushree Khaitan 202323	tanushree.khaitan@xa	55
530 Neel Kadam 202330		55
533 Gopal Agarwalla 202345		59
534 Rishabh Chakraborty 202347		65
535 Siya Denny 202553	siyadenny23@gmail.co	55
540 Thomas Jay 202571		60
542 Leon Pereira 202574	leon.pereira@xaviers.	52
544 Shubhank Gaba 202584		59
546 Bridget Praisys 202592	bridget.praisys@xavier:	61
548 Nathania Fernandes 202599	nathania.fernandes@x	63
551 Vrinda Panpalia 202029	vrinda.panpalia@xavie	14
553 Sonali Gawade 202906	sonali.gawade@xavier	58
Ayesha Dias		67
bhni7002		55
Myrtle Fernandes	myrtle.fernandes@xav	72
Name (Original Name)	User Email	Total Duration (Minutes)
Pooja Ochaney	pooja.ochaney@xavie	72

TRPs

Thursday 25th February at 12.45pm

Name - Nitish Bhardwaj

Contact - 8454009011

Designation and Company - Manager (Media Analytics) at Nielsen Media India Pvt. Ltd.

About the Talk - The topic will briefly cover the basics of understanding TV consumption, methodology and terminology.

Nitish Bhardwaj

Phone +91 8454009011

E-Mail: nitish21bhardwaj@gmail.com

PROFESSIONAL SNAPSHOT:

A dedicated professional with 7.5 years of work experience in Data/Business Analytics, Research and Client Servicing

WORK EXPERIENCE:

Nielsen India Pvt. Ltd.

Manager –Advanced Analytics

Mumbai, Maharashtra

Dec. 2017 – Till now

- ❖ Responsible for end to end project ownership – solution design to project delivery
- ❖ Key stakeholder in high-impact strategic initiatives as part of a secondment at a leading Indian sports broadcaster
- ❖ Identified content whitespaces for Hindi General Entertainment (GEC) category using un-supervised clustering techniques such as *Market Basket and K-means clustering*.
- ❖ Optimized promo spends for a new launch for a leading TV general entertainment player using *Multiple Linear Regression*.
- ❖ Analysis of Consumer Behavior on Smartphones, some of the key categories worked on are – *OTT, Gaming & Social Networking*
- ❖ Actively provided guidance and subject matter knowledge to co-members.

Magic9 Media and Analytics Pvt. Ltd. (Client- BARC INDIA)

Manager –Analytics & Research

Mumbai, Maharashtra

March 2015 – Dec 2017

- ❖ Reported to the CEO and assisted BARC India in providing strategic insights to all Broadcasters and Advertisers
- ❖ Key stakeholder in setting up BARC's new people meter system to understand TV Viewing behavior in India.
- ❖ Identified critical attributes which drive TV Viewing across demographics using predictive modeling techniques such as CHAID Analysis, Multiple Linear Regression etc.
- ❖ Performed detailed analysis on competition, trends, feasibility studies and reporting on different markets
- ❖ Led a team of 4 analysts and validated analysis/findings for client
- ❖ Involved in end-to-end project delivery – requirements gathering to final report delivery

TECHNICAL SKILLS:

- ❖ Working knowledge of SQL, Base SAS, R and SPSS
- ❖ Statistical data interpretation, predictive analysis and modeling
- ❖ Proficiency in Microsoft Word, Excel and Power Point
- ❖ Adept in handling large scale data and deriving insights
- ❖ Ability to break down un-structured problems and designing solutions

KEY HIGHLIGHTS:

- ❖ Co-authored a paper, "*A Heuristic Approach to Predictive Modeling, RFM Analysis*", got published in Analytics India Magazine, March 2015
- ❖ Played a key role in making Nielsen's Media Analytics a 500K USD business in the current role. Was awarded with "Simply Excellent" award for same.
- ❖ Got another "Simply Excellent" award for relentlessly working on BARC-Nielsen's "TV + Smartphone Consumption during COVID Crisis".

EDUCATION:

- ❖ Post Graduate Diploma in Management (Marketing and Strategy) from MYRA School of Business, Mysore in May 2015, with CGPA 3.2/4.00
- ❖ Bachelor of Technology (Mechanical) from Punjab Technical University, Jalandhar in June 2011, with First Class

situation. The name of this ceremony was: 'E-Ganesha Shri Ganesha'. The 5-day festival 'E Ganesha, Shri Ganesha' started on the auspicious occasion of Ganesh Chaturthi i.e. on 22nd August. From 22nd to Until the 26th, a new element activity was implemented every day.

Before , Ganesh Chaturthi, We interviewed Abhay Panchal Sir of the eco-friendly Ganeshmurti organization Kaam Bhari and published a video discussing the eco-friendly ways of celebrating Ganeshotsav. During Ganeshotsav, the cultural, traditional and scientific significance of the festival was conveyed through informative videos in simple words. Ganapati Bappa's significance ,Videos were released explaining the meaning of Aartis sung in Ganeshotsav,Ganapati Bappa's significance and why Bappa likes Modak. In one of the videos, Kuber Ganapati's story was presented through drama.Urging people to send pictures of their makhar decorations and Gauri Pujan to encourage them to join the event,we publicized those pictures on the Instagram and Facebook pages .We got an overwhelming response from many people.Not only that, but A live arti was also arranged in this ceremony. The program ended on the day of Anant Chaturdashi where people celebrated their memories with Bappa in the lockdown and video of the same was published on our social media handles.

In this way, it would not be an exaggeration to say that 'E-Ganesha, Shri Ganesha' gave the experience of celebrating Ganeshotsav to all without coming together in person!

4. Yoga Day:

The ECC committee conducted a series of workshops and lectures on Yoga under the title of Free Your चक्र's. This series of practical sessions and theory lectures took place from the 27th of July to the 7th August.

Yoga Sessions by Arti Mehta.

DAY 1:

The session was started off with 'Tadasana' or 'Samastithi', a foundational standing pose, in order to establish the importance of stability and firmness. Next, students were taught the role of exhalations and inhalations while performing simple asanas like 'urdhva hastasana' and 'uttanasana'. They were also made to do a few cycles of surya namaskar at varying speeds and durations while simultaneously paying special attention to the breath and taught how to perform the surya namaskars without getting breathless. Students were also made to do 'vrikshasana' and 'garudasana' (poses that require an individual to balance on one leg) and taught how to gradually increase their focus and concentration to be able to maintain the pose for long. The class was made interactive by asking students to respond and share their individual experiences on chat after every pose. The students were also made to do 'ardha chandrasana' (a pose that requires one to balance on one leg and hand) and when many students expressed their concern of not being able to balance or even launch into the pose, they were taught how to use a simple household item such as a heavy bottle to vessel as a prop for their hand, in order to balance. After a couple of practices using the prop, they will eventually be able to perform the pose without it.

Students were then taught how to perform 'bharadvajasana' on a chair (a twisting pose for the back). This pose is especially beneficial for students during the lockdown, for it helps release the back and alleviate any neck and back pain arising from long sitting hours. Finally, they were made to rest and relax in 'setu-bandh sarvangasana' with a

bolster or long pillow supporting the spine. This pose is known to refresh and rejuvenate the practitioner.

DAY 2: (Student attendants 149 from the picture.)

The session started off with a question from one of the participants, who inquired about the importance of starting off a yoga session with a prayer. Ms. Arti Mehta explained how the prayer helps tune out of the surroundings and into the class. Post that, the class started off with a few surya namaskar cycles, vrikshasana and a few other standing poses like 'trikonasana', 'virabhadrasana 2' and 'ardha chandrasana'. Next, students were asked to sit in 'padmasana' and were taught a few other (rather fun) asanas that can be performed from the same base pose. These included 'parvatasana', 'matsyasana', 'simhasana' and 'tolasana'. The last pose, 'tolasana' is a pose where one is required to balance on their hands while in padmasana. The students were challenged to stay in this pose as long as possible and were taught how to gradually increase the duration of the same. Another hand balancing pose called 'bhujaipidasana' followed 'tolasana'. Next, students were taught 'ustrasana' (a mild back bending pose) and how to gradually ease into the pose without injuring the back. They were also taught about the benefits of performing this pose regularly over a long period of time (and all back bendings in general); these include: confidence, courage and rejuvenation amongst others. Finally, the class ended with a restful 'savasana'. Throughout the class, students were encouraged to participate and share their experiences and any queries they might have had while performing the various poses.

The sessions on both days were conducted in a very interactive manner in order to ensure that the students were engaged and also for the teacher to be able to gauge the average abilities of the students and accordingly mould the class. Safety of students was the foremost priority and hence students were instructed to inform the teacher immediately if they experienced any unusual discomfort/pain/tearing sensation during the duration of the class.

- Yoga Sessions by Geeta Raut.

DAY 1: (Student attendants 163 from the picture.)

The session was started by 'Om chanting', followed by Pranayama: The word is derived from 'Prana' which stands for 'life force' and 'Ayama' which means 'to lengthen or to work on it'. Prana, in yogic terms, means the force within the body that is vital for the functioning of the body as well as its vitality. Yogic texts describe Prana as a potent force that runs through various chakras and nadis in the body to keep the body healthy, energized and invigorated. Breathing plays an extremely crucial role in the regulation and maintenance of Prana. Anulom vilom- Anulom vilom is a specific type of controlled

breathing (pranayama) in the practice of yoga. It involves holding one nostril closed while inhaling, then holding the other nostril closed while exhaling. The process is then reversed and repeated.

Alternate nostril breathing is said to have many physical and psychological benefits, including stress reduction and improved breathing and circulation. There's scientific evidence that supports some of these claims. Most people can practice anulom vilom breathing safely and without side effects. Kapalbhathi- "Kapalbhati is a shat kriya, which means it's a form of a cleansing technique that removes toxic air and toxins from the body," noted a Delhi-based Yoga expert, Anju Kalhan. This is not much of a posture but more of an exercise as it involves you sitting still in a yogic posture while the breathing exercise takes over the game. To break it down, 'Kapalbhati' comes from the word 'Kapal' (forehead) and 'Bhati' which means 'to shine'. It is believed that the regular

practice of the exercise brings a natural glow on the face. Then we proceeded with the Asanas that included- Parvatasana (mountain pose)- Parvatasana which is also known and translated as Mountain Pose. To clarify this pose one needs to know that there are two types of Mountain Poses. One of them is the standing Mountain Pose called Tadasana. The other one is Parvatasana, the grounded mountain, which we will discuss. In Parvatasana our body resembles the shape of a mountain: Legs, back and arms build the sides of the mountain and our buttocks the top. Parvatasana is often practised wrong or thought to be downward facing dog. This was followed by a forward bend which is self-explanatory.

DAY 2: (Student attendants 171 from the picture.)

On day 2 we kept it simple and just did some Om chanting followed by a brief meditation, affirmation and manifestation, forgiveness. This session focused on spirituality more.

Theory Sessions by Dr. Radha Kumar. (Student attendants 177 from the picture.)

The Theory lectures took place on the 28th July, 31st July, 4th August and the 7th August. These were taken by Dr. Prof Radha Kumar of the Department of Ancient Indian History Culture and Archaeology, St. Xavier's college, Mumbai. Complementing the practical yoga sessions, Dr. Prof. Radha Kumar's lectures on yoga shed light on the basic concepts in the realm of yoga. Yoga has always been an integral part of our society right since the ancient times not only for the benefits that it yields towards the physical well being of the individual but also for its importance in relation to the spiritual and mental wellbeing.

Somehow today when practicing yoga, many practitioners especially beginners tend to be unaware of this spiritual and mental connection towards a healthy life. In her lectures Radha ma'am in an interactive and stimulating presentations explained the very foundations of yoga – its different forms like the Hata yoga, Mantra yoga, Laya Yoga and Raja yoga and the different Padas in yoga, all with support of subject matter from sage Patanjali's yoga sutra and other sources like the Nasadiya Sukta (hymn of creation) and the Upanishads (concluding sections of the Vedas).

Her talk revolved around how yoga is an integral aspect of the very ethos of rta and dharma that drive the Indian society. She also spoke about yoga – as meditation and as practice being a support of the social values such as that of Purusharthas. A major part of her presentation also spoke of the chakras- energy centres that reside within the body and how yoga becomes an effective way for individuals to access their energy centres. The theory lectures on yoga looked at yoga as an effective way to what are known as the Kleshas – Conflicts, that hamper everyday life. Yoga as a practice is said to help centre the mind consciously modifying the unwanted erroneous behaviour and adopt for a more desired patterns of behaviours. Throughout the course of the four-lecture series, Radha ma'am eloquently commanded the attention of the audience through the storehouse of knowledge that she possessed and her very vibrant and interactive mode of teaching. She promoted dialogue regarding the subject matter of the lectures by taking questions from the audience and clarifying any doubt to the satisfaction of those posing questions. Through this series of lectures Radha ma'am made the usually unknown aspects of yoga accessible and understandable in the simplest and most understandable ways, making the theory of yoga a fun experience.

5. Independence Day

St. Xavier's College celebrated its first ever online independence day on 15th August, 2020. Due to the coronavirus, which has affected the country at large, the college activities and lectures have commenced online. This independence day, the Extra

01:09:04

Zoom Group Chat

to Everyone

5:55 PM

is there any meditation which can be done before sleep to improve our sleepcycle?

From 254 Yashvi Dedhia 191190

to Everyone

5:55 PM

okay, thank you ma'am!

From 192120 Sreelakshmi S

to Everyone

5:55 PM

very calming session, thank you ma'am

From 192257 Thushara Varghese

to Everyone

5:56 PM

What's the best time to do Yoga?

From 182170 Jagjyot Kaur

to Everyone

5:56 PM

Ma'am is there any particular order of doing the asana that is beneficial?

From 182056 Vijayalaxmi Gupta

to Everyone

5:57 PM

Ma'am are there any asanas to reduce hairfall?

From 192191 Vaishnavi A Menon

to Everyone

5:57 PM

ok thank you ma'am

From 254 Yashvi Dedhia 191190

to Everyone

5:59 PM

is there any asana that can improve our back posture or help us with frequent backaches?

From 182056 Vijayalaxmi Gupta

to Everyone

5:59 PM

Thank you so much ma'am

From 191069 Sweetha Iyer 333

to Everyone

6:00 PM

Someone asked before, the best time to do yoga?

From 182461 Hannah Juan

to Me

6:00 PM

(Privately)

I did not fill the feedback form for 2 day

To: 181095 Janki

(Privately)

File

Type message here...

182079 ANUSHKA AGARWAL

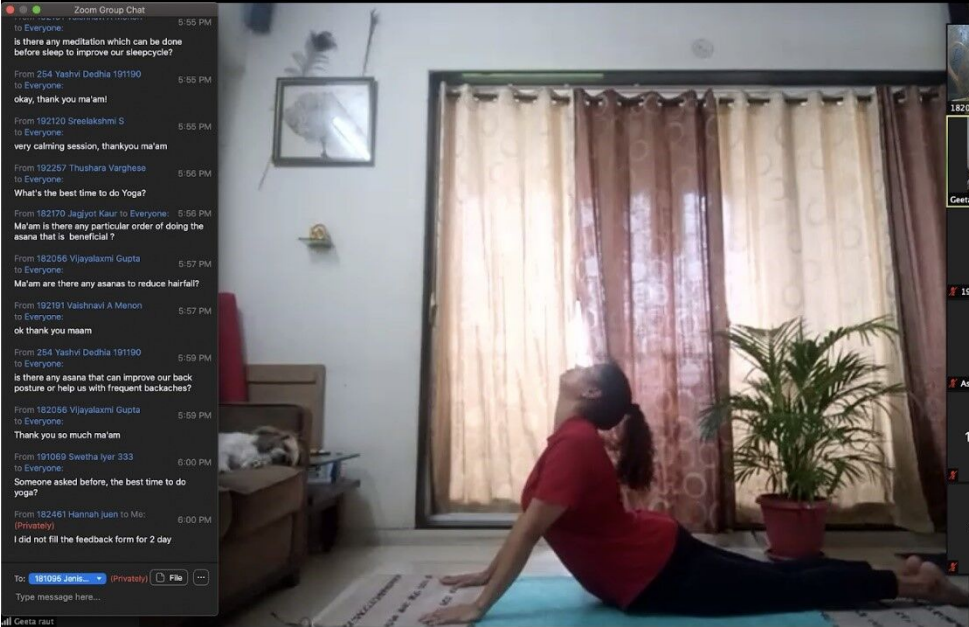
Geeta raut

191276 Rhea Banerjee

Ashmi Aggarwal

182162 Shivani Kagal

191113 Atreyi Gupta



Cancel the Spotlight Video

Zoom Group Chat

From 181109 Sanjana Ratnaparkhi to Everyone:
It was a little difficult to balance on the for.

From Me to 191156 Anuja Augustin (Private):
No no its okay. No worries.

From 182191 Vaishnavi A Maron to Everyone:
maam can u show chaturanga dandasana again

From 181059 Swetha Iyer 333 to Everyone:
Inhalation

From 182386 Triza Lahoria to Everyone:
Inhalation

From 254 Yashvi Dedhia 191190 to Everyone:
I am not sure if I know the proper posture while
balancing on the core, can you explain it again?

From 181095 Jenei Rumeo to Everyone:
downward

From 182184 Arjun Udappa to Everyone:
downward

From 182491 ShannonRodrigues to Everyone:
downward

From 182148 Sayandria Paul to Everyone:
downward

From 194087 malveena hiton to Everyone:
downward

From 192130 Vaishnavi Shetye to Everyone:
yes

From 192026 Sharon Bridgit D'Almeida to Everyone:
yes

From 254 Yashvi Dedhia 191190 to Everyone:
yes

From 182030 Tiana Noronha to Everyone:
yes

To: 191156 Anuja Augustin (Private)

Type message here...

46:24 Gallery View Exit Full Screen

183064 Mrunmay chav...

182056 Vijayalaxmi Gu...

182380

Unmute Start Video

Security

Participants 149

Chat

Share Screen

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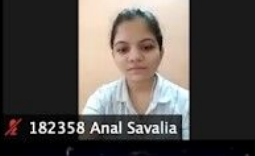
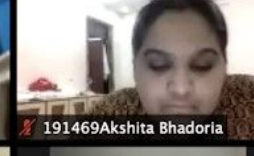
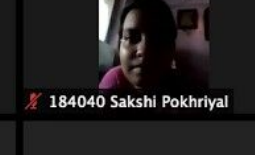
Record

Breakout Rooms

Reactions

More

End

 182468 Hannah Juen	 182079 ANUSHKA AG...	 ARTI MEHTA	 182220 Ronias Dsouza	 181199 Sanjana Ratna...	 182148 Sayandrita Paul	 182380 Kareena Gala
 182030 Tiana Noronha	 181300 Ananya Sharma	 182386 Triza Lahoria	 191098 Angel Varghese	 181096 swastika muk...	 182524 Pavithra Sundar	 191207 Shaniah Ferna...
 182358 Anal Savalia	 181176 Lauren D'silva	 191183-Madhura Raj...	 191469Akshita Bhadoria	 182162 Shivani Kagal	 182505 Gargi Khandel...	 182416 Venissa Pereira
 182235 Aaron Kalloor	 182529 Vedic Yadav	 103/Shruti Chinnama...	 191005 Gauri Unnikris...	 191156 Anuja Augustin	 182478 Melvina Lasar	
 192257 Thushara Var...	 183064 Mrunmay cha...	 191072 Michelle Dsouza	 182128 Sarah Shajee...	 181066 Devayani Vyav...	 192116 DevikaUniyal	
 191114 Jinisha Koti	 191168 Rochelle D'me...	 182151 Aryaa Apotikar	 182423 Daphne Dias	 184040 Sakshi Pokhriyal	 191409 Tirtha Samant	 182218 Christine Fer...
 191180 Janice D'souza	 182022 Neha Shinde	185019 Shreya jain 185019 Shreya jain	181240 Rutuja Jaw... 181240 Rutuja Jaw...	191489 Sara Rumao 191489 Sara Rumao	191061 Samuala D... 191061 Samuala Dmo...	 Drishti Silekar

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Zoom Group Chat

From 191039 Lisa Gonsalves to Everyone:
ma'am you talked about a strong family being a base, can you explain?

From 127 Lauren D'silva 181176 to Everyone:
Ma'am could you elaborate on the 3rd dharma

From 191018 Shruuti Chinamala to Everyone:
Mam speaking of discipline it seems a very difficult process however some have it inbuilt, what's your comment on the same?

From 181096 Jenis Ruman 178 to Everyone:
thank you!

From 191381 Nagara Sutar to Everyone:
Mam, What does Yuj mean?

From 192635 Arunima Pati to Everyone:
how did yogs become related to the hindu religion?

From 127 Lauren D'silva 181176 to Everyone:
Alright thank you ma'am

From 191039 Lisa Gonsalves to Me: (Privately)
Hey, I actually missed yesterday's session. So I can attend from today na?

From Me to 191039 Lisa Gonsalves: (Privately)
Yes

From 191039 Lisa Gonsalves to Me: (Privately)
Okay..Thank you so much!!

From 194087 melveena hilton to Everyone:
thank you ma'am

To 191039 Lisa Gonsalves: (Privately)
Type message here...

191180 Janice... 191427 Ann N...

182079 ANUSHKA... Radha Kumar Ashima Aggarwal

57:47

Participants (177)

182079 ANUSHKA AGARW... (Host, me)
182335 Aaron Kallor (Co-host)
182461 Hannah Juen (Co-host)
Ashima Aggarwal (Co-host)
Radha Kumar
033 Aishwarya Iyengar 159
07 Ashley Stephen
113Samuela Dmonte 191061
127 Lauren D'silva 181176
172085Surbhi Mendhe
175033 ashley stephen
175063 Divya Sundaram
181003 Abhishek Balgude 94
181005 Natasha Varghese
181042 Duenna Dosouza
181060 Devayani Vyavaharker 283
181089 Aurea Falcao
181095 Jenis Ruman 178

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