



**SIES College of Arts, Science and Commerce (Autonomous)**  
Sion West, Mumbai 400 022

**NAAC SSR -Cycle 4 : 2018-2023**

3.3.1 : Workshops/Seminars conducted on Intellectual Property Rights (IPR), Research Methodology, Entrepreneurship and Skill Development

S.No.	Title of the activity	Department/ Association	Page no. of the report (from-to)
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2	BARC technologies for waste management through biological route	Biotechnology	2-3
3	Establishing a Start-Up 101	Nirmitee Kendra	4-10
4	Global profiling using Microarray	Biotechnology	11-16
5	Inicio - Find Your Path	Nirmitee Kendra	17-22
6	Online Workshop for Developing & Refining Skills in Bioinformatics	Biotechnology	23-24
7	Programing and Interfacing using Raspberry pi	Physics	25-26
8	Pitch to be Rich	Nirmitee Kendra	27-28
9	Enhancing the Skill of Research – Use of R Tools Software for Data Analysis	Economics	29-34
10	Development of skills in Biostatistics to analyse biological data set	Microbiology	35-42
11	Pathways to Develop Research Skills in Mathematics	Mathematics	43-47
12	HACCP and FoSTaC Workshop	Biochemistry-Food Technology and Nutraceuticals	48
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**SIES College of Arts, Science and Commerce  
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Sion West, Mumbai 400 022

**NAAC SSR -Cycle 4 : 2018-2023**

3.3.1 : Workshops/Seminars conducted on Intellectual Property Rights (IPR), Research Methodology, Entrepreneurship and Skill Development -2021-22

Page no. 1 to 60 of the reports is certified to be true.

  
Principal  
SIES College of Arts, Science &  
Commerce (Autonomous)  
Sion (West), Mumbai - 400 022.



**SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),  
SION WEST, MUMBAI - 400 022**

**DEPARTMENT OF BIOTECHNOLOGY**

**A. Title of the Seminar/Workshop/Conferences:**

Composting at Home

**B. Background:**

A Popular Science lecture organized by Indian Women Scientists' Association (IWSA) jointly with SIES College of Arts, Science & Commerce College (Autonomous), Mumbai.

**C. Aims/Objectives:**

The main objective of the webinar series was to introduce the participants to:

1. Preparation of soil mix
2. Home composting
3. Techniques of regrowing plants from plant parts

**D. Location:**

The program was conducted using the online platform MS Teams. It was followed by a question-answer session between the resource person and participants.

**E. Target audience/participants with expected number:**

81 Undergraduate and postgraduate students

**F. Details of Sessions:**

The session was held on Saturday, 14<sup>th</sup> August 2021 between 4:00 - 5:00 pm

**G. Session and names of Resource Persons:**

Mr. Jayant Joshi, Microbiologist and Environmentalist

**H. Expected outcome:**

The feedback of participants stated that they found the session to be interesting and insightful.

The program helped them to understand:

1. Basket composting
2. Waste management
3. Growing Plants

**Dr. Tara Menon**  
**Co-ordinator**  
**Department of Biotechnology**



Principal

**14.08.2021**

*Composting at Home by Mr. Jayant Joshi\_2020-2021*

**SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),  
SION WEST, MUMBAI - 400 022**

**DEPARTMENT OF BIOTECHNOLOGY**

**A. Title of the Seminar/Workshop/Conferences:**

BARC technologies for solid waste management through biological route

**B. Background:**

Proper management of waste is important for building sustainable and liveable cities, but it remains a challenge for many developing countries and cities. Areas with developing economies often experience exhausted waste collection services and inadequately managed and uncontrolled dumpsites. Thus, commemorating 75th Year of India's Independence, "Azadi Ka Amrut Mahotsav", Bhabha Atomic Research Centre (BARC), Mumbai jointly organized a webinar on "BARC technologies for solid waste management through biological route" with SIES College of Arts, Science & Commerce College (Autonomous), Mumbai (Sponsored by Department of Atomic Energy (DAE), Government of India)

**C. Aims/Objectives:**

The webinar had three eminent speakers enlightening the audience on different waste management topics. The main objective of the webinar series was to introduce the participants to:

1. Biomethanation technologies for processing cow dung to Biomass waste with reference to Nisargruna technology
2. Food Mile/water footprint of food
3. Different composting technologies for biodegradable waste with reference to Rapid composting technology of BARC

**D. Location:**

The program was conducted using the online platform MS Teams. It was followed by a question-answer session between the resource person and participants.

**E. Target audience/participants with expected number:**

64 Undergraduate and postgraduate students

**F. Details of Sessions:**

The session was held on Saturday, 28<sup>th</sup> August 2021 between 3:00 - 5:00 pm

### G. Session and names of Resource Persons:

The webinar had three independent sessions delivered by eminent speakers:

Sr. No.	Title	Speaker & affiliation
1.	Overview of Biomethanation technologies for processing cow dung to Biomass waste with reference to Nisargruna technology	Dr. Sayaji Mehetre, <i>Scientific Officer F, Nuclear Agriculture Biotechnology Division, BARC, Mumbai</i>
2.	Food Mile water footprint of food	Dr. Sachin Mandavgane, <i>Associate Professor, Department of Chemical Engineering, VNIT, Nagpur</i>
3.	Overview of different composting technologies for biodegradable waste with reference to Rapid composting technology of BARC	Dr. Darshana Salaskar, <i>Scientific Officer E, Nuclear Agriculture Biotechnology Division, BARC, Mumbai</i>

### H. Expected outcome:

The feedback of participants stated that they found the session to be immensely insightful and informative. The participants were made aware of recent topics like water foot-printing.

The program helped them to understand:

1. Water footprint of various commodities
2. Various biological technologies used for biodegrading wastes and biomass processing
3. Nisarguna Technology and Promoting sustainability and recycling to reduce waste



**Dr. Tara Menon**  
**Co-ordinator**  
**Department of Biotechnology**

**28.08.2021**

  
Principal

**SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE,  
AUTONOMOUS, SION (W).**

**NIRMITEE KENDRA EVENT REPORT**

26.09.2021

**Title:** 'Guest Lecture - Establishing a Start-Up 101'

**Day:** Sunday **Date:** 26 September, 2021 **Time:** 4:00 pm - 6:00 pm.

**Objectives of the program:**

1. To help students understand the fundamentals of beginning a start-up.
2. To provide opportunity for students to interact with budding student entrepreneurs.

**Resource Persons:**

1. Mr. Bhavesh Kothari, co-founder and director at Billionium Divas

**Participants:**

72 UG and PG students from various departments in the college participated.

**Methodology:**

- The program was conducted using online platform zoom, through power point presentations.
- Mr. Bhavesh Kothari an entrepreneur and a startup mentor guided his students on developing a startup business idea. Mr. Kothari gave insights on the process of incubating an idea and tools required to make it viable and profitable. Further, two start-up initiatives were put forth by Mr. Yash Hajare and Mr. Vignesh Reddy. Mr Hajare presented his UV-C sanitization box by STEM Learning that disinfects not just mobile phones, wallets, keys, cash, masks, watches, shoes, but vegetables, medical equipment and laptops too. The box is currently available on [amazon.in](https://www.amazon.in). Mr. Reddy presented 'FLOODWATCH', a community centric, real-time warning system for floods.

**Outcome:**

Two students Yash Hajare and Vignesh Reddy presented their projects which was well received by the students.



Annexures to the report:

Annexure 1: Screenshots of the programme and poster announcing the winners of the competition.



Fig 1- Mr. Bhavesh Kothari's Presentation

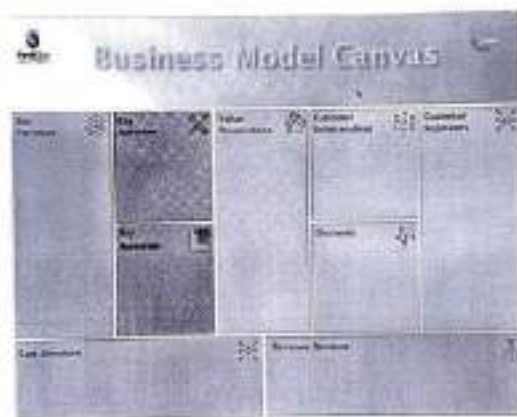


Fig 2- Mr. Bhavesh Kothari's Presentation





Fig 3 - Mr. Yash Hajare's presentation

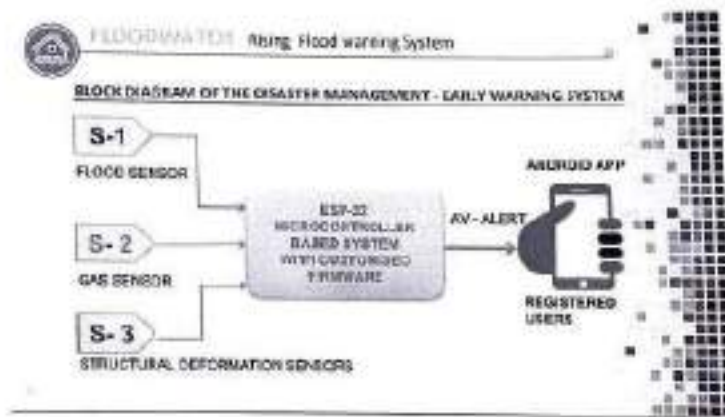


Fig 4 - Mr. Vignesh Reddys's Presentation

**Annexure 2:** Attendance.

Full Name	User Action	Timestamp
SAMPATH SAMBASIVAN	Joined	9/26/2021, 3:46:49 PM
Nayan Prabhakar Kasturi	Joined before	9/26/2021, 3:46:49 PM
Yash Chandev Hajare	Joined before	9/26/2021, 3:46:49 PM
George Kiriyanthan	Joined before	9/26/2021, 3:46:49 PM





ANIMESH GOVIND BISWAS	Joined before	9/26/2021, 3:46:49 PM
Chirag Mansukh Kothari	Joined before	9/26/2021, 3:46:49 PM
PASI RAJNI RAJENDRA RAJKALI	Joined before	9/26/2021, 3:46:49 PM
Rakshit Rajendra Patil	Joined	9/26/2021, 3:49:43 PM
Alisha Mahfooz Ahmed Ansari	Joined	9/26/2021, 3:49:45 PM
LINGATHAR MAHARAJAN SHANMUGARA JAN RAJALAXMI	Joined	9/26/2021, 3:50:11 PM
Mayank Kumar	Joined	9/26/2021, 3:50:22 PM
Athira Muralidharan Pillai	Joined	9/26/2021, 3:51:13 PM
Ali Ahmed Tofikh Sheikh	Joined	9/26/2021, 3:51:45 PM
Makardhwaj Rajendra Narkar	Joined	9/26/2021, 3:52:52 PM
MUKKU SRINIVAS VENKATESHW ARA REDDY	Joined	9/26/2021, 3:53:15 PM
Komal Kesarinath Mhatre	Joined	9/26/2021, 3:53:51 PM
Sharma Shardul Umashankar (Student)	Joined	9/26/2021, 3:54:19 PM
Anjali munna yadav	Joined	9/26/2021, 3:54:23 PM
Aditi Prakash Rao	Joined	9/26/2021, 3:54:59 PM
Thevar Kulartai Pandi Kulanthai Pandi	Joined	9/26/2021, 3:55:11 PM
DIVYA MARY	Joined	9/26/2021, 3:55:14 PM
Uma Shaankar	Joined	9/26/2021, 3:55:19 PM
Raksha Vishal Mishra	Joined	9/26/2021, 3:55:27 PM



*Establishing a Start-Up 101 26/09/21*

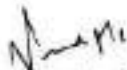
Shweta Ganesh Ganesh	Joined	9/26/2021, 3:55:39 PM
Ajinkya Gaikwad	Joined	9/26/2021, 3:55:39 PM
GHADGE AJINKYA VIJAY	Joined	9/26/2021, 3:55:42 PM
Anshak Panda (Guest)	Joined	9/26/2021, 3:55:43 PM
AISHWARYA SHASHIDHAR SHETTY	Joined	9/26/2021, 3:55:44 PM
SMIT	Joined	9/26/2021, 3:57:06 PM
Dhanisha Pradeep Mohapatra	Joined	9/26/2021, 3:57:33 PM
Sinran Hussain Shaikh	Joined	9/26/2021, 3:57:48 PM
AISWARYA THOMAS	Joined	9/26/2021, 3:57:51 PM
Diksha Gajanan Shetti	Joined	9/26/2021, 3:57:52 PM
Saraj dinesh shukla	Joined	9/26/2021, 3:58:07 PM
Sailee Sudesh Nagare	Joined	9/26/2021, 3:59:02 PM
Muthuselvan Murugan Nadar	Joined	9/26/2021, 3:59:30 PM
Soumya Sunil Keshavan	Joined	9/26/2021, 3:59:33 PM
NIRBHAY SUNIL THAKUR	Joined	9/26/2021, 3:59:36 PM
NEHA SHARMA	Joined	9/26/2021, 3:59:50 PM
Ankita Kamlesh Singh	Joined	9/26/2021, 4:00:00 PM
Christopher Richard	Joined	9/26/2021, 4:00:03 PM
ADITHYA NONE RAMAKRISHN AN	Joined	9/26/2021, 4:00:16 PM
Madhavan Gopal Nadar	Joined	9/26/2021, 4:00:21 PM
Shailesh Rammanorath Gaud	Joined	9/26/2021, 4:00:49 PM
Aditi Anil Jadhav	Joined	9/26/2021, 4:01:27 PM



Bhavesh Kothari - Billemium Divas (Guest)	Joined	9/26/2021, 4:01:27 PM
HRISHI RAJESH JAISWAL	Joined	9/26/2021, 4:01:42 PM
HETVI BHARAT GALA	Joined	9/26/2021, 4:01:49 PM
Moksha Kandpal	Joined	9/26/2021, 4:02:19 PM
Shivam Jogesh Nandrajog	Joined	9/26/2021, 4:02:30 PM
Yadnesh Patil (Guest)	Joined	9/26/2021, 4:02:35 PM
Suraj Manikandan Kallingal	Joined	9/26/2021, 4:03:15 PM
IDRISI SANIYA SANAULLAH	Joined	9/26/2021, 4:03:17 PM
Pooja Manoharlal Jain	Joined	9/26/2021, 4:04:28 PM
ANSARI FIZABEE AHMAD HUSAIN SHAHNAZ BEGUM	Joined	9/26/2021, 4:04:32 PM
KHAN MUNAZZA IMRAN REHANA	Joined	9/26/2021, 4:04:35 PM
Dibita Mandal	Joined	9/26/2021, 4:05:07 PM
SAI SARAVANAND KAUNDER	Joined	9/26/2021, 4:05:34 PM
kavya kolli (Guest)	Joined	9/26/2021, 4:05:45 PM
SHARMA VAISHNAVI SANJAY SHIPPI	Joined	9/26/2021, 4:06:50 PM
Bhagyashree Ramachandra Gubber	Joined	9/26/2021, 4:09:04 PM
NADAR WILKINSON PAULRAJ	Joined	9/26/2021, 4:09:07 PM
Krishna limbasiya (Guest)	Joined	9/26/2021, 4:10:15 PM



Mishra Abhishek Rajendra	Joined	9/26/2021, 4:11:06 PM
Akshay (Guest)	Joined	9/26/2021, 4:11:38 PM
PAWAR DEVANGI SANDEEP SURABHI	Joined	9/26/2021, 4:12:48 PM
Aditya Ravi Shetty	Joined	9/26/2021, 4:13:03 PM
Prathamesh Prabhakar Khadtare	Joined	9/26/2021, 4:13:11 PM
Virang Shailesh Parekh	Joined	9/26/2021, 4:13:14 PM
NANDEAPALLI SHRADDHA GAUTAM GEETA	Joined	9/26/2021, 4:13:46 PM
Vaishnavi Pradeepkumar Nambiar	Joined	9/26/2021, 4:14:05 PM
Niveditha Narayanan	Joined	9/26/2021, 4:14:39 PM

  
Coordinator, Nirmitee Kendra



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3ULQFLSDO



**SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),  
SION WEST, MUMBAI - 400 022**

**DEPARTMENT OF BIOTECHNOLOGY**

**A. Title of the Seminar/Workshop/Conferences:**

Global profiling using microarray

**B. Background:**

A Popular Science lecture organized by Indian Women Scientists' Association (IWSA) supported by BRNS-DAE (Board of Research in Nuclear Sciences, Department of Atomic Energy) jointly with SIES College of Arts, Science & Commerce College (Autonomous), Mumbai.

**C. Aims/Objectives:**

The main objective of the webinar series was to introduce the participants to:

1. Insights into microarray and fluorescent techniques
2. Copy number alteration analysis
3. Gene expression profiling

**D. Location:**

The program was conducted using the online platform MS Teams. It was followed by a question-answer session between the resource person and participants.

**E. Target audience/participants with expected number:**

63 Undergraduate and postgraduate students

**F. Details of Sessions:**

The session was held on Tuesday, 16<sup>th</sup> November 2021 between 3:00 - 5:00 pm

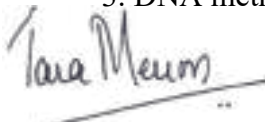
**G. Session and names of Resource Persons:**

Dr Manoj Mahimkar, Senior Scientist, Cancer Research Institute, ACTREC, Tata Memorial Centre, Navi Mumbai

H. Expected outcome:

The feedback of participants stated that they found the session to be interesting and insightful. The program helped them to understand:

1. Microarray & FISH techniques
2. Comparative genomic hybridization
3. DNA methylation array



Dr. Tara Menon  
Co-ordinator  
Department of Biotechnology

16.11.2021



3ULQFLSDO



Annexures 1: Detail of the Resource persons **Dr Manoj Mahimkar,**

Principal Investigator at ACTREC. He did his Masters in zoology at University of Mumbai, PhD in Applied Biology at Cancer Research Institute, TMC, Mumbai , India and post doctoral training at New York Eye & Ear Infirmary, NY, USA. He has received various honors and recognitions like International Head and Neck Cancer Epidemiology(INHANCE), IARC, Lyon, France, 2007, International Collaborative Study on Genetic Susceptibility to Environmental Carcinogens (GSEC), University of Pittsburgh Cancer Center, USA, 2007, Editorial Board: Oral Oncology, 2011 etc. His research interest is to understand the molecular and genetic basis of oral precancerous lesions and head and neck cancers, to develop clinically relevant biomarkers for early detection and improved prognosis.

Annexures 2: List of Participants

Timestamp	Full Name
16/11/2021 16:39:22	Mansi Rawat
16/11/2021 16:39:45	Sharanya Shankar
16/11/2021 16:39:53	Aditya Ravi Shetty
16/11/2021 16:39:53	Jennifer Francis Nadar
16/11/2021 16:39:59	MANALI SHAILESH PRADHAN
16/11/2021 16:40:06	Siddharth mudliyar
16/11/2021 16:40:12	Omkar Vijay Yadav
16/11/2021 16:40:13	Jemema Agnes Tripena Raj
16/11/2021 16:40:22	Jesal Mahendra Vora
16/11/2021 16:40:40	Manasa Avanganti
16/11/2021 16:40:42	Jyothika Murugan
16/11/2021 16:40:53	Sadiya Siraj Syed
16/11/2021 16:40:59	Anushka Anant Padmanabhan
16/11/2021 16:41:08	Sakshi Gupta
16/11/2021 16:41:12	NIVEDITHA NARAYANAN
16/11/2021 16:41:15	Susan Samuel Martin
16/11/2021 16:41:25	Tamanna Timir Mandal
16/11/2021 16:41:32	Sayli Dabhade
16/11/2021 16:41:45	Mahek Jatin Parmar
16/11/2021 16:41:52	Karishma Manoj Anam
16/11/2021 16:41:52	Chirag Mansukh Kothari
16/11/2021 16:41:53	Aarti Pradeep Galgali



16/11/2021 16:42:00	Liza Fernandes
16/11/2021 16:42:03	Siddhi Udaykumar Bute
16/11/2021 16:42:08	Krishna Poliseti
16/11/2021 16:42:26	Amisha Bodke
16/11/2021 16:42:28	Gunjan Sudesh Jotkar
16/11/2021 16:43:01	Yarukala Mamta Sathaiah
16/11/2021 16:43:01	Harshitha Sunder Shetty
16/11/2021 16:43:01	Anisha Bhende
16/11/2021 16:43:05	Mrunmayi Pradeep Markam
16/11/2021 16:43:13	Vignesh Mudliyar
16/11/2021 16:43:14	Grishma Pillai
16/11/2021 16:43:31	Bhavi Mashru
16/11/2021 16:43:39	Ramsha Shaikh
16/11/2021 16:43:43	Bhagyashree Ramachandra Gubber
16/11/2021 16:43:45	Bushra Khatoon Khan
16/11/2021 16:43:48	Shilpa Sivadas
16/11/2021 16:44:02	Ayesha Ravindra Shedge
16/11/2021 16:44:05	Kunali Ajay Ambavale
16/11/2021 16:44:09	Joanna Charis Johnson
16/11/2021 16:44:14	Harikrishna Rajendra Salla
16/11/2021 16:44:21	Anandita Anil Ghorpade
16/11/2021 16:44:22	Nikita Lavkush Mishra
16/11/2021 16:44:34	Sneha Anbalagan Dever
16/11/2021 16:44:47	Nayan Kasturi
16/11/2021 16:45:08	Sheikh Ali Ahmed
16/11/2021 16:45:12	SAYALI A JOSHI
16/11/2021 16:45:36	PATHAN AMATUL REHMAN
16/11/2021 16:45:37	Priyamvada Nath
16/11/2021 16:45:43	Alex Jose
16/11/2021 16:45:48	Diksha gajanan shetti
16/11/2021 16:46:29	Surabhi Parker
16/11/2021 16:46:36	Neha yadgiri appani
16/11/2021 16:47:15	Shaikh Misba Mohd Farid
16/11/2021 16:50:26	Shweta Vishwakarma
16/11/2021 16:59:03	Kajal Chandrajit Yadav

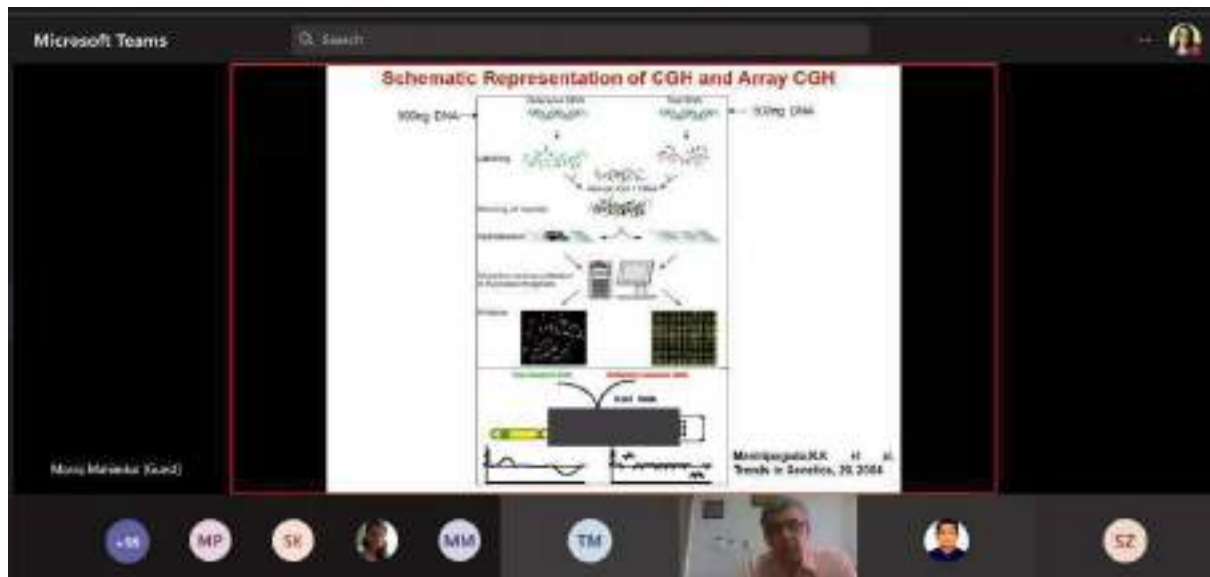




16/11/2021 17:09:59	Neha Gaonkar
16/11/2021 18:05:00	Kundanagathu Roshni Ravindran
16/11/2021 18:12:11	Pooja Jain
16/11/2021 18:31:12	Shaikh Heenat Aziz
16/11/2021 19:20:07	Omkar Sundeep Wakale
17/11/2021 00:04:39	Manisha Omkar Saroj

Annexures 3: Photographs of Seminar/Workshop





Dr. Tara Menon  
Co-ordinator  
Department of Biotechnology

16.11.2021



  
Principal

**SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE,  
AUTONOMOUS, SION (W).**

**NIRMITEE KENDRA EVENT REPORT**

28.01.2022

**Title:** 'Inicio -Find Your Path (A Virtual Business Bootcamp)'

**Day:** Friday **Date:** 28 January, 2022 **Time:** 11:00 am to 4:00 pm.

**Objectives of the program:**

1. To help students with innovative ideas to start their businesses
2. To give an insight on how to better organise one's business idea and make it a profitable venture.
3. To network and socialise with industry experts and business professionals.

**Resource Persons:**

1. Mr.Gaurang Shetty, Chief Business Officer, for [GlobalLinker.com](http://GlobalLinker.com)
2. Dr. George Abraham, Former Convenor Nirmitee Kendra, SIES ASCS.

**Participants:**

114 UG and PG students from various departments in the college participated.

**Methodology:**

- + The program was conducted using online platform zoom, through power point presentations.
- \* The programme was divided into two sessions. During the first session Mr. Gaurang Shetty gave a basic rundown of the problems that young entrepreneurs face when starting out in today's cut throat industry. He outlined the digital problems mainly, like making and handling a website, having a digital presence, attracting clients and investors through digital means, etc. As a solution for the problems outlined by him, he introduced us to his company website GlobalLinker which is an easy and efficient way for a business to link itself digitally to various platforms and networks more effectively. In the second session students were provided with the opportunity to present their start-up business ideas to the panel of judges which consisted of Mr. Shetty and Dr. George Abraham. The judges provided the students with relevant feedback.

**Outcome:**

As the outcome of the event there were FIVE teams/participants selected on the basis of the quality of their idea, innovation and overall business viability. They were offered seed capital to develop their projects. Following students/ teams were selected:



Sr. No.	Student Name/ Team	Project/ Product/ Service Idea	Rank/ Position
1.	Mr. Smit Jain	Speaking Dumpster	I
2.	Mr. Chirag Kothari and Mr. Yash Hajare	Mini Spectrophotometer	II
3.	Ms. Mrudula Iyengar and Ms. Sonali Pandey	Handwash Machine by Fog	III
4.	Mr. Jain Jeet Pravinchand	HireValue	IV
5.	Mr. Balaji ChandraBose Pillai	Mental Health Analysis	V
6.	Mr. Sahaya Ajit and Mr. Ibrahim Shahabuddin Shaikh	Anti Theft Delivery System	-
7.	Mr. Makardhwaj Rajendra Narkar	Utana	-
8.	Ms. Shivani Kumar	ANTI-GRAVITY FILLER	-
9.	Mr. Suraj Shukla	Dukaan App	-
10.	Mr. Christopher Babu Mathew	InkterPReting Inc.	-
11.	Mr. Ankush Roy Chowdhury	Tomb Exodus	-
12.	Mr. Jariwala Arshad Nasir	VR Cafe	-

#### Amount claimed

A total amount of Rs. 12 lacs has been sanctioned under RUSA Grant [Component 8]. From this grant, the seed money of Rs. 1,61,000/- (One lac sixty-one thousand only) was allotted to four students/ teams among the above-mentioned projects:

Sr No.	Name of Student/ teams	Project name	Amount sanctioned (in Rs.)
1.	Mr. Smit Jain	The Speaking Dumpster	60,000/-
2.	Mr. Chirag Kothari and Mr. Yash Hajare	Mini Spectrophotometer	45,000/-
3.	Ms. Mradula Iyengar and Ms. Sonali Pandey	Fog Hand Wash Machine	25,000/-
4.	Mr. Jeet Jain	Hire Value	31,000/-



**Annexures to the report:**

**Annexure 1:** Screenshots of the programme and poster announcing the winners of the competition.



**Students presenting their business ideas**



**Group photo**

**Annexure 2:** Attendance of the event

Full Name	User Action	Timestamp
SAMPATH SAMBASIVAN	Joined	9/26/2021, 3:46:49 PM
Nayan Prahlakar Kasturi	Joined before	9/26/2021, 3:46:49 PM
Yash Chandev Hajare	Joined before	9/26/2021, 3:46:49 PM
George Kiriyanthan	Joined before	9/26/2021, 3:46:49 PM
ANIMESH GOVIND BISWAS	Joined before	9/26/2021, 3:46:49 PM
Chirag Mansukh Kothari	Joined before	9/26/2021, 3:46:49 PM





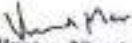
PASI RAJNI RAJENDRA RAJKALI	Joined before	9/26/2021, 3:46:49 PM
Rakshit Rajendra Patil	Joined	9/26/2021, 3:49:43 PM
Alisha Mahfoz Ahmed Ansari	Joined	9/26/2021, 3:49:45 PM
LINGATHAR MAHARAJAN SHANMUGARAJAN RAJALAXMI	Joined	9/26/2021, 3:50:11 PM
Mayank Kumar	Joined	9/26/2021, 3:50:22 PM
Athira Muralidharan Pillai	Joined	9/26/2021, 3:51:13 PM
Ali Ahmed Tofikh Sheikh	Joined	9/26/2021, 3:51:45 PM
Makardhwaj Rajendra Narkar	Joined	9/26/2021, 3:52:52 PM
MUKKU SRINIVAS VENKATESHWARA REDDY	Joined	9/26/2021, 3:53:15 PM
Komal Kesarinath Mhatre	Joined	9/26/2021, 3:53:51 PM
Sharma Shardul Umashankar (Student)	Joined	9/26/2021, 3:54:19 PM
Anjali munna yadav	Joined	9/26/2021, 3:54:23 PM
Aditi Prakash Rao	Joined	9/26/2021, 3:54:59 PM
Thevar Kulantai Pandi Kulanthai Pandi	Joined	9/26/2021, 3:55:11 PM
DIVYA MARY	Joined	9/26/2021, 3:55:14 PM
Uma Shankar	Joined	9/26/2021, 3:55:19 PM
Raksha Vishal Mishra	Joined	9/26/2021, 3:55:27 PM
Shweta Ganesh Ganesh	Joined	9/26/2021, 3:55:39 PM
Ajinkya Gaikwad	Joined	9/26/2021, 3:55:39 PM
GHADGE AJINKYA VIJAY	Joined	9/26/2021, 3:55:42 PM
Anshak Panda (Guest)	Joined	9/26/2021, 3:55:43 PM
AISHWARYA SHASHIDHAR SHETTY	Joined	9/26/2021, 3:55:44 PM
SMIT	Joined	9/26/2021, 3:57:06 PM
Dhanisha Pradeep Mehapatra	Joined	9/26/2021, 3:57:33 PM
Simran Hussain Shaikh	Joined	9/26/2021, 3:57:48 PM
AISWARYA THOMAS	Joined	9/26/2021, 3:57:51 PM
Diksha Gajanan Shetti	Joined	9/26/2021, 3:57:52 PM
Suraj dinesh shukla	Joined	9/26/2021, 3:58:07 PM
Sailee Sudesh Nagare	Joined	9/26/2021, 3:59:02 PM



Muthuselvan Munagan Nadar	Joined	9/26/2021, 3:59:30 PM
Sourya Sunil Keshavan	Joined	9/26/2021, 3:59:33 PM
NIRBHAY SUNIL THAKUR	Joined	9/26/2021, 3:59:36 PM
NEHA SHARMA	Joined	9/26/2021, 3:59:50 PM
Ankita Kamlesh Singh	Joined	9/26/2021, 4:00:00 PM
Christopher Richard	Joined	9/26/2021, 4:00:03 PM
ADITHYA NONE RAMAKRISHNAN	Joined	9/26/2021, 4:00:16 PM
Madhavan Gopal Nadar	Joined	9/26/2021, 4:00:21 PM
Shailesh Rammanarath Gand	Joined	9/26/2021, 4:00:49 PM
Aditi Anil Jadhav	Joined	9/26/2021, 4:01:27 PM
Bhavesh Kothari - Billennium Divya (Guest)	Joined	9/26/2021, 4:01:27 PM
HRISHI RAJESH JAISWAL	Joined	9/26/2021, 4:01:42 PM
HETVI BHARAT GALA	Joined	9/26/2021, 4:01:49 PM
Meksha Kandpal	Joined	9/26/2021, 4:02:19 PM
Shivam Jogesh Nandrajog	Joined	9/26/2021, 4:02:30 PM
Yadmesh Patil (Guest)	Joined	9/26/2021, 4:02:35 PM
Suraj Manikandan Kallingal	Joined	9/26/2021, 4:03:15 PM
IDRISI SANIYA SANAULLAH	Joined	9/26/2021, 4:03:17 PM
Pooja Manoharlal Jain	Joined	9/26/2021, 4:04:28 PM
ANSARI FIZABEE AHMAD IUSAIN SHAHNAZ BEGUM	Joined	9/26/2021, 4:04:32 PM
KHAN MUNAZZA IMRAN REHANA	Joined	9/26/2021, 4:04:36 PM
Dibita Mandi	Joined	9/26/2021, 4:05:07 PM
SAI SARAVANAND KAUNDER	Joined	9/26/2021, 4:05:34 PM
kavya kelli (Guest)	Joined	9/26/2021, 4:05:45 PM
SHARMA VAISHNAVI SANJAY SHIPPI	Joined	9/26/2021, 4:06:50 PM
Bhagyashree Ramachandra Gubber	Joined	9/26/2021, 4:09:04 PM
NADAR WILKINSON PAULRAJ	Joined	9/26/2021, 4:09:07 PM
Krishna limbasiya (Guest)	Joined	9/26/2021, 4:10:15 PM
Mishra Abhishek Rajendra	Joined	9/26/2021, 4:11:06 PM



Akshay (Guest)	Joined	9/26/2021, 4:11:38 PM
PAWAR DEVANGI SANDEEP SURABHI	Joined	9/26/2021, 4:12:48 PM
Aditya Ravi Shetty	Joined	9/26/2021, 4:13:03 PM
Prathamesh Prabhakar Khudare	Joined	9/26/2021, 4:13:11 PM
Virang Shailesh Parekh	Joined	9/26/2021, 4:13:14 PM
NANDEAPALLI SHRADDHA GAUTAM GEETA	Joined	9/26/2021, 4:13:46 PM
Vaishnavi Pradeepkumar Nambiar	Joined	9/26/2021, 4:14:05 PM
Niveditha Narayanan	Joined	9/26/2021, 4:14:39 PM

  
Coordinator, Nirmittee Kendra



  
Principal

\*\*\*\*\*



**SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),  
SION WEST, MUMBAI - 400 022**

**DEPARTMENT OF BIOTECHNOLOGY**

**A. Title of the Seminar/Workshop/Conferences:**

RUSA sponsored 'Online Workshop for Developing & Refining Skills in Bioinformatics'

**B. Background:**

Bioinformatics is an integrative field in life sciences that combines biology and information technology. Being a combination of different branches of life sciences, the field employs methodologies and tools to study large volumes of biological data (genomic, RNA, protein, etc) in order to organize, store, systematize, visualize, annotate, query, understand and interpret those data. It has proven quite useful in medicine as the complete sequencing of the human genome has helped to unlock the genetic contribution for many diseases. Its applications include drug discovery, personalized medicine, preventative medicine and gene therapy.

**C. Aims/Objectives:**

The online workshop on Bioinformatics is intended to:

- inculcate the basic skills required for analysis and interpretation of biological data among the students
- integrate the applications of information technology with Biotechnology through virtual labs and simulation-based software

**D. Location:**

Online platform (MS teams)

**E. Target audience/participants with expected number:**

30 participants with a science background at HSC level and having access to a PC/laptop (Windows 7 & above).

**F. Details of Sessions:**

Detail of Lecturers Delivered/Sessions held:

<b>Sr. No.</b>	<b>Date</b>	<b>Lecture Title</b>	<b>No. of Lecture/ Session</b>
1.	12/02/2022	Literature Database	01
2.	13/02/2022	Nucleic acid Database	01
3.	26/02/2022	Protein Database	01
4.	27/02/2022	BLAST – Part 1	01
5.	05/03/2022	BLAST – Part 2	01
6.	06/03/2022	MSA & Phylogeny using Clustal Omega	01
7.	12/03/2022	MSA & Phylogeny using MEGA X	01
8.	13/03/2022	Primer Designing; Practice & Concluding Session	1.5

### **G. Session and name of Resource Persons:**

Dr. Tejas Prakash Chirmade, Project Scientist, CSIR-National Chemical Laboratory, Pune

### **H. Expected outcome:**

The participant will be introduced to the basic concepts in user-end bioinformatics, efficient use of various databases and sequence analysis programs. Furthermore, they will have hands-on experience with different tools and software to handle sequence data and analyse it to gain meaningful outcomes. This will thus enable students to:

- Learn about literature databases (PubMed, Google scholar) and refine the search skills using keywords to retrieve relevant data
- Understand the nucleic acid and protein databases; Retrieve and store relevant genomic, CDS and protein data using various keywords
- Perform pairwise alignment using different types of BLAST tools and analyse the results
- Perform multiple sequence alignment using CLUSTAL & MEGA X and understand the phylogenetic relationships between the organisms wrt evolution
- Design the primers for PCR
- Hone their skills in interpreting and managing biological data



**Dr. Tara Menon**

**Co-ordinator**

**Department of Biotechnology**

**13.03.2022**



Principal

## Workshop Report

08.03.2022

**Title: "Programming and Interfacing using Raspberry Pi"**  
**Skill Development Program organized by Department of Physics under  
RUSA**

### **Background:**

UG and PG Students of Science stream learning computer programming languages need application-based programming skills. Micro controllers are widely used in several commercial products. Knowledge of programming and interfacing using Micro controllers can improve employability of students and also trigger entrepreneurship.

### **Aims/ Objectives of the program:**

1. The course is designed to provide Basic knowledge of Python and Linux.
2. Learning programming and Interfacing using Raspberry-pi.
3. Applications of Raspberry-pi in industrial and other fields.

**Location:** Online Lectures on MS Teams Platform, Offline Demo-Sessions in SIES College Physics Laboratory.

### **Target Audience /Participants with expected number:**

Students with a prior knowledge of programming: Students in TYBSc. Phy/Stats/ Maths/ CS/ IT and MSc. Phy/CS/ IT. Expected number: 100

### **Details of Session:**

Students from TYBSc (Physics), MSc (Physics) and FYBSc (Computer Science) Attended the workshop.

The program was conducted using online platform MS Teams, through power point presentations, White board, Demo-Videos, and live demos. Study material was uploaded in the MS teams.

It was followed by question- answers session between the resource person and participants. All online sessions were conducted from 4 to 6 pm.

One day Off-line Demo session was conducted in the Physics Laboratory. In this five-hour session, interfacing with various types of peripherals was demonstrated.

Sr. No	Date	Lecture Title	No. of Lecture/Session
1.	14-02-2022 to 05-03-2022	Programming and interfacing using Raspberry-Pi	13 Online lectures of 2 hours each
2.	06-03-2022	Laboratory Demonstration of interfacing with Raspberry-Pi	1 offline Session of 5 hours

The workshop schedule was as follows:

SESSION DAY	DATE
DAY-1	14-02-2022
DAY-2	15-02-2022
DAY-3	16-02-2022
DAY-4	17-02-2022
DAY-5	18-02-2022
Holiday	19-02-2022
Sunday	20-02-2022
DAY-6	21-02-2022
DAY-7	22-02-2022
DAY-8	23-02-2022
Utkarsha & Visions(Non-instructional days)	24-02-2022
	25-02-2022
	26-02-2022
Sunday	27-02-2022
DAY-9	28-02-2022
Holiday	01-03-2022
DAY-10	02-03-2022
DAY-11	03-03-2022
DAY-12	04-03-2022
DAY-13	05-03-2022
Practical Session	06-03-2022

**Name of the Resource Person:**

Mr. Balkrishna M. Wagle,

Director, Microbyte Solutions.

Mr. Wagle is a highly experienced person in the field of Computer Machine Language.

**Expected Outcome:**

60 student participants attended online lectures and 40 student participants attended offline demonstrations.

The feedback of participants reflects the following points:

The program helped them to understand

1. Linux Operating System.
2. Hardware - Software Interfacing
3. Nearly 2/3<sup>rd</sup> of participants expressed that they understood Python programming.

Techniques taught in the workshop are useful to design commercial applications like temp. control.



*[Signature]*  
Principal

Convener

1. *[Signature]*
2. *[Signature]*

**SIES COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)  
SION (WEST), MUMBAI- 400022**

**NIRMITEE KENDRA EVENT REPORT**

**Title:** Pitch to be Rich

**Day:** Thursday    **Date:** 24<sup>th</sup> February 2022    **Time:** 11.00 am to 1.00 pm

**Objectives of the Program:** Pitch to be Rich is an interactive and informative session for budding entrepreneurs.

- To help students to understand different business models, market needs and start-up insights.
- To train students to make impressive business pitches and present them to investors.

**Resource persons:** Mr. Denver Annunciation, Director - Strategic Initiatives, Janus International Pvt. Ltd

**Participants:** 15 UG students

**Methodology:** The students were given startup scenarios and ideas and were asked to create a business pitch. Pitch deck is to be created by participants which were then sent to the judge for their analysis and feedback.

**Outcome:** There were 07 teams who presented their pitch. Out of them 02 were declared winners.

**List of pitch decks:**

1. Fog Handwash Machine: Sonali Pandey, Mrudula Iyengar
2. Hire value: Jeet Jain
3. Bandha: Smit & Jeet
4. We care: Sayed Noeem
5. Uber: Nadar Gibson Samuel
6. Mini Spectrophotometer: Chirag Kothari, Yash Hajare
7. VR Gaming: Arshad



**Winners:**

1. Bandhu: Smit & Jeet Jain
2. VR Gaming: Arshad

**Annexures to the Report:**

**Annexure 1: Poster for the event**



**Annexure 2: Meeting Screenshot (the judge interacting with participants)**



  
Coordinator, Nirmitee Kendra



  
Principal



**SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE,  
AUTONOMOUS, SION (W).**

**DEPARTMENT OF ECONOMICS EVENT REPORT (UNDER RUSA)**

**Title:** 'Enhancing the Skill of Research – Use of R Tools Software for Data Analysis'

**Duration:** 3 days **Days:** Friday; Friday & Saturday **Date:** 28/02/22; 04/03/22; 05/03/22  
**Time:** 5 pm to 7 pm.

**Objectives of the program:**

1. To introduce students to basics of R
2. To enable students make use of R tools for data analysis

**Resource Persons:**

1. Dr. Bhavesh Salunkhe, Research Fellow, MSEPP, University of Mumbai.
2. Dr. Sandhya Krishnan, Faculty, Meghnad Desai Academy of Economics.

**Participants:**

19 TYBA students from Economics department participated.

**Description of the event:**

- The program was conducted using online platform zoom, through power point presentations.
- The programme had three sessions conducted on three days (February 28, March 4 & March 5). Dr. Shruti Panday, the head of the Department of Economics, gave the welcome address and briefed the objectives of the workshop. The first day's session was conducted by Dr. Bhavesh Salunkhe. He introduced the students to the basics of R software. The introduction was followed by a hand on session with HDI data. The hands-on session was accompanied by question and answer session where Dr. Salunkhe addressed the doubts raised by students. The second and third sessions of the workshop was conducted by Dr. Sandhya Krishnan. Both these sessions were full-fledged hands-on sessions where she made students work on data sheets that were circulated among students in advance.

**Outcome:**

The feedback of participants reflects the following points:

1. All students observed that the workshop was beneficial and fulfilled its objectives by introducing them to the basics of R and data handling in R.
2. Ninety percent of the students were satisfied with the overall experience they had during the workshop.

*Spanday*  
Coordinator of the Workshop

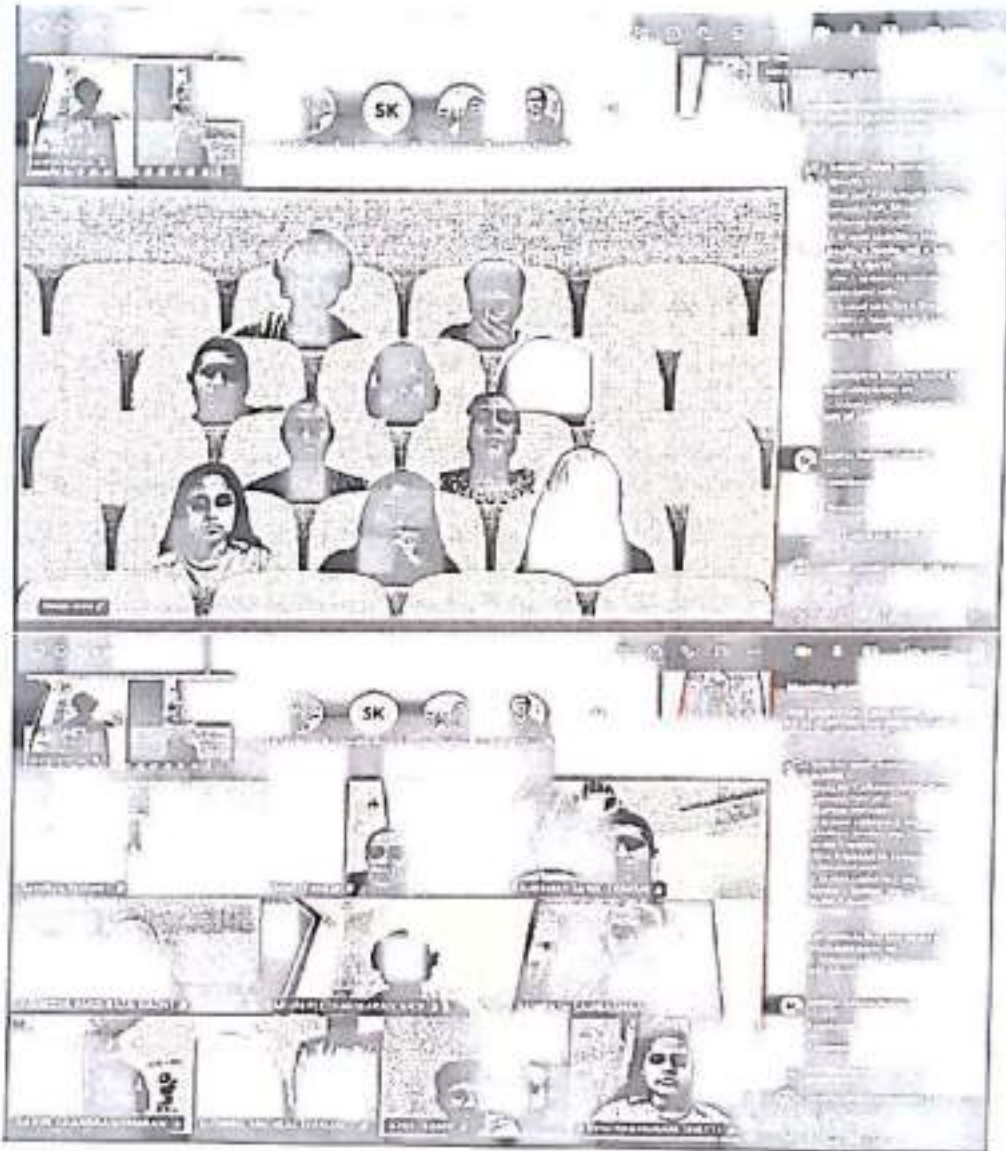


*Shud*  
Principal

Page 1 of 6

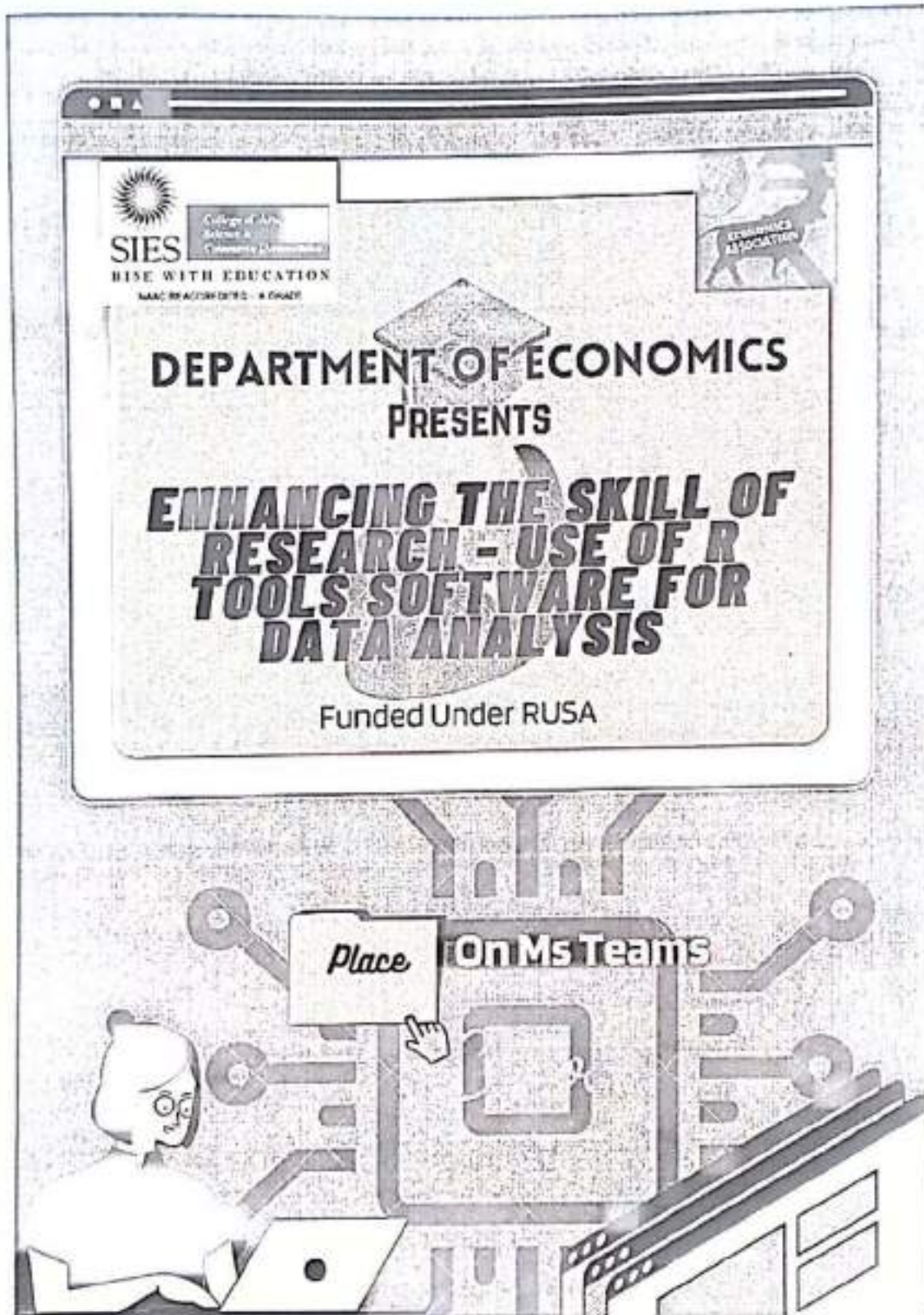
**Annexures to the report:**

**Annexure 1: Photos/Youtube Link**





**Annexure 2: Flyer of the workshop**



**Annexure 3: Certificate of the workshop**

 <b>SIES</b> RISE WITH EDUCATION NAAC REACCREDITED - 'A' GRADE			
	<b>Ministry of Human Resource Development</b> Department of Higher Education, Government of India		<b>RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN</b>
<h2>CERTIFICATE OF COMPLETION</h2>			
<p>This is to certify that Mr/Ms _____ from _____ participated in the Workshop: 'Use of R Tools Software for Data Analysis' held on 28 Feb, 4th and 5th March, 2022 at SIES College of Arts, Science and Commerce (Autonomous), Sion (West), Mumbai organised by the Department of Economics under the aegis of Rashtriya Uchchatar Shiksha Abhiyan, Ministry of Human Resource Development, Department of Higher Education, Government of India.</p>			
Convener		Principal	



**Annexure 4: Attendance of the workshop****Day 1 – February 28, 2021**

Full Name	User Action	Timestamp
Shruti Panday	Joined	2/28/2022, 6:52:42 PM
KULSOOM ASAD RAZA NAQVI	Joined before	2/28/2022, 6:52:42 PM
VARUN PEETHAMBARAN NAIR	Joined before	2/28/2022, 6:52:42 PM
HAMSINI ANANTHARAMAN IYER	Joined	2/28/2022, 6:52:47 PM
SAMPATH SAMBASIVAN	Joined	2/28/2022, 6:53:18 PM
SAHERISH NAUSHAD SHAIKH	Joined	2/28/2022, 6:53:41 PM
NAVIN CHANDRASEKHARAN	Joined	2/28/2022, 6:54:10 PM
HASTI MUKESH SHAH	Joined	2/28/2022, 6:56:08 PM
BENITA BERNARD RODRIGUES	Joined	2/28/2022, 6:56:15 PM
JANHAVI PRABEER DASS	Joined	2/28/2022, 6:56:16 PM
TARANNUM JILANI SHAIKH	Joined	2/28/2022, 6:56:21 PM
ASHNI RAGHURAM SHETTY	Joined	2/28/2022, 6:57:00 PM
ATUL TOMS	Joined	2/28/2022, 6:57:32 PM
NAOMI NITIN BANSODE	Joined	2/28/2022, 6:57:35 PM
MANAAL MANOJ INDULKAR	Joined	2/28/2022, 6:58:19 PM
AAKARSHA SINGH	Joined	2/28/2022, 6:58:35 PM
Bhavesh Salunkhe (Guest)	Joined	2/28/2022, 6:59:10 PM
APEKSHA RAJENDRA SHETTY	Joined	2/28/2022, 6:59:56 PM
FLORINA MICHEAL FERNANDO	Joined	2/28/2022, 7:00:49 PM
ANEETA KISHOR SOLANKI	Joined	2/28/2022, 7:03:16 PM
LOHIT DINESH UCHIL	Joined	2/28/2022, 7:04:43 PM
REVATHY RAMCHANDRAN	Joined	2/28/2022, 7:05:43 PM
NIRBHAY SUNIL THAKUR	Joined	2/28/2022, 7:06:18 PM

**Day 2 – March 3, 2021**

Full Name	User Action	Timestamp
Shruti Panday	Joined	3/4/2022, 3:24:57 PM
Sandhya Krishnan	Joined before	3/4/2022, 3:24:57 PM
NAVIN CHANDRASEKHARAN	Joined before	3/4/2022, 3:24:57 PM
FLORINA MICHEAL FERNANDO	Joined	3/4/2022, 3:26:13 PM
VARUN PEETHAMBARAN NAIR	Joined	3/4/2022, 3:26:41 PM
BENITA BERNARD RODRIGUES	Joined	3/4/2022, 3:27:16 PM
HAMSINI ANANTHARAMAN IYER	Joined	3/4/2022, 3:27:46 PM
REVATHY RAMCHANDRAN	Joined	3/4/2022, 3:29:04 PM
ASHNI RAGHURAM SHETTY	Joined	3/4/2022, 3:29:46 PM
MANAAL MANOJ INDULKAR	Joined	3/4/2022, 3:29:56 PM



Economics Department Workshop funded by RUSA

SAHERISH NAUSHAD SHAIKH	Joined	3/4/2022, 3:30:06 PM
KULSOOM ASAD RAZA NAQVI	Joined	3/4/2022, 3:30:30 PM
JANHAVI PRABEER DASS	Joined	3/4/2022, 3:30:44 PM
TARANNUM JILANI SHAIKH	Joined	3/4/2022, 3:32:21 PM
APEKSHA RAJENDRA SHETTY	Joined	3/4/2022, 3:37:57 PM
ATUL TOMS	Joined	3/4/2022, 3:34:21 PM
ANEETA KISHOR SOLANKI	Joined	3/4/2022, 3:35:02 PM

Day 3 – March 4, 2021

Full Name	User Action	Timestamp
SAMPATH SAMBASIVAN	Joined	3/5/2022, 4:45:38 PM
KULSOOM ASAD RAZA NAQVI	Joined	3/5/2022, 4:52:28 PM
HASTI MUKESH SHAH	Joined	3/5/2022, 4:53:27 PM
ASHNI RAGHURAM SHETTY	Joined	3/5/2022, 4:53:44 PM
REVATHY RAMCHANDRAN	Joined	3/5/2022, 4:54:29 PM
JANHAVI PRABEER DASS	Joined	3/5/2022, 4:54:35 PM
HAMSINI ANANTHARAMAN IYER	Joined	3/5/2022, 4:54:43 PM
VARUN PEETHAMBARAN NAIR	Joined	3/5/2022, 4:55:44 PM
NAVIN CHANDRASEKHARAN	Joined	3/5/2022, 4:58:12 PM
NIRBHAY SUNIL THAKUR	Joined	3/5/2022, 5:00:28 PM
APEKSHA RAJENDRA SHETTY	Joined	3/5/2022, 5:01:18 PM
Sandhya Krishnan	Joined	3/5/2022, 5:01:49 PM
Sandhya Krishnan	Left	3/5/2022, 7:01:27 PM
FLORINA MICHEAL FERNANDO	Joined	3/5/2022, 5:02:04 PM
NAOMI NITIN BANSODE	Joined	3/5/2022, 5:03:40 PM
ATUL TOMS	Joined	3/5/2022, 5:04:17 PM
MANAAL MANOJ INDULKAR	Joined	3/5/2022, 5:05:00 PM
AKANSHA MOHAN OBEROI	Joined	3/5/2022, 5:06:38 PM
TARANNUM JILANI SHAIKH	Joined	3/5/2022, 5:11:31 PM
Shruti Panday	Joined	3/5/2022, 6:51:08 PM

Coordinator of the Workshop



*[Signature]*  
Principal

\*\*\*\*\*

## INVITATION

To Respected,  
Dr. Jyoti Subramanian

It gives us immense pleasure to invite you as our guest speaker on behalf of Department of Microbiology, SIES College. We are conducting a workshop on "Development of skills in Bioinformatics to analyse Biological data set" as a part of skill development program for our students. We would appreciate it if you address our students so they can benefit from your knowledge. The workshop would be held on 2nd, 3rd and 4th March 2022 at 3 to 6 PM on Microsoft teams. We are looking forward to have you.

Yours sincerely,  
*Manju Phadke*  
Dr. Manju Phadke  
HOD Microbiology,  
SIES College Autonomous



## REPORT FORMAT

**A. Title of the Seminar/Workshop/Conferences**

Development of skills in Biostatistics to analyse biological data set

**B. Background**

Biostatistics is the key to data analysis, where large biological data sets are concerned and draw inferences. Today, biological research is growing at a humongous pace and the skill of biostatistics has become the need of the hour, in every walk of biological research, be it clinical trials, vaccine development, bioremediation or even molecular biology.

**C. Aims/Objectives**

The students who study biological science have studied statistics, as a subject, in higher secondary, thereafter, have lost touch with the subject. They have no understanding of the statistical tools available, the software available and the applications of the same.

Keeping this in mind, a two-day workshop has been designed, where all the basic and advanced statistical tools and their applications will be taught to the students, along with the use of basic software, like R software and analysis of data in Microsoft excel.

This workshop will enhance the analytical skills of the student and will help them draw statistically valid inferences, at the same time, will help in validating their data.

**Objectives:**

- 1) To teach the basic skill sets of biostatistics
- 2) To teach the use of software used in biostatistics
- 3) To help students analyse data sets and draw inferences
- 4) To teach the students the precise application of the statistical tools available
- 5) To enhance the analytical thinking of the student

**D. Location**

Conducted online on MS Teams

**E. Target audience/participants with expected number**

Undergraduate third year students, post-graduate students and PhD candidates.

Total number of participants: 45

#### F. Details of Sessions:

Workshop was inaugurated at 2:50 pm on 2<sup>nd</sup> March 2022. Dr. Manju Phadke felicitated and introduced the resource person and gave the overview of the two-day workshop.

- **Session 1: (Day 1)**  
Speaker gave the background of statistics and applications of statistical tests to biological data.  
She introduced participants to the R software. Taught the basics of the interface.  
Gave theoretical understanding of tests such as Goodness of fit test and Chi-square analysis with Yate's correction then she demonstrated how to perform analysis using calculator and R software.
- **Session 2: (Day 1)**  
Madam started session two with interesting covid examples for different tests.  
She covered theory for tests like Sum, mean, mode, Median, Standard deviation and Variance followed by demonstration on Scientific calculator and R Software.  
Madam gave few assignments to students for practice
- **Session 3: (Day 2)**  
On second day madam started with some advanced statistical methods such as, Students t-test which was further divided in to analysis such as, Paired, Unpaired t-test and one sample, two sample t-test. For which again she taught codes using R software.
- **Session 4: (Day 2)**  
In last session madam covered tests like, Correlation analysis, regression analysis and Analysis of Variance (One way-ANOVA). She demonstrated calculator method followed by R coding.  
Question answer session was conducted for the benefit of students.  
In valedictory session, few participants shared their valuable feedback with madam and expressed gratitude for enriching two days.  
Lastly, Dr. Pramod Ghogare offered formal vote of thanks to the resource person for her valuable time, knowledge and experience with everyone.

#### G. Session and names of Resource Persons:

Workshop conducted in four sessions. Two session per day. Conducted by Dr. Leela Subramanian.

#### H. Expected outcome:

Students will develop skills to statistically analyse and understand biological data sets. This will be helpful for them for their own research works in future.

I. **Amount Claim: Rs. 6000/-**

#### J. Photographs



Annexure:

- i. Detail of the Resource persons
- ii. list of Participants
- iii. Photographs of Seminar/Workshop

Report Prepared by

Signature :----- *m phadke*

Name : Dr. Manju Phadke

Department: Microbiology

Designation : Head of the department

HEAD OF THE DEPARTMENT OF MICRO-BIOLOGY  
S.J.E.S. COLLEGE OF ARTS, SCIENCE & COMMERCE  
SIDH (WEST), MUMBAI - 400 022

*Manju*  
signature of principal





## Meeting Summary

Total Number of Participants

51

Meeting Title

Workshop on "Development of Skills in Bio-Statistics to Analyse Biological DATA Sets" (Day 1: 2nd March 2022)

Meeting Start Time

3/2/2022, 2:35:21 PM

Meeting End Time

3/2/2022, 6:13:12 PM

Meeting Id

900319d3-8d5f-47ff-9c1f-e857cf6196c3

Full Name	Join Time	Leave Time	Duration	Email	Role	Participant ID (UPN)
Mrunal Shrikant Ramdas	3/2/2022, 13:32:21	3/2/2022, 13:37:00	4m 37m	mrunalr21@ascscs.sies.edu	Presenter	mrunalr21@ascscs.sies.edu.in
Monika Satyendra Meheta	3/2/2022, 13:32:21	3/2/2022, 13:36:00	4m 36m	monikam21@ascscs.sies.edu	Presenter	monikam21@ascscs.sies.edu.in
Lynn D'lima	3/2/2022, 13:32:21	3/2/2022, 13:45:00	12m 45m	lynnd@sies.edu.in	Presenter	lynnd@sies.edu.in
Ankita Ramesh Tharakan	3/2/2022, 13:32:21	3/2/2022, 13:35:00	3m 35m	ankitat@ascscs.sies.edu.in	Presenter	ankitat@ascscs.sies.edu.in
Hera Azmi	3/2/2022, 13:32:21	3/2/2022, 13:36:00	4m 36m	heraa@sies.edu.in	Organizer	heraa@sies.edu.in
Haritha Ramesan Nair	3/2/2022, 13:32:21	3/2/2022, 13:35:00	3m 35m	harithan@ascscs.sies.edu.in	Presenter	harithan@ascscs.sies.edu.in
MAHESH VENUGOPAL CHILIVERI	3/2/2022, 13:32:21	3/2/2022, 13:35:00	3m 35m	mahesh86851@ascscs.sies.edu	Presenter	mahesh86851@ascscs.sies.edu.in
Shrihari Prahlad Deshpande	3/2/2022, 13:32:21	3/2/2022, 13:34:00	3m 34m	shriharid21@ascscs.sies.edu	Presenter	shriharid21@ascscs.sies.edu.in
IRAM HASAN SHAIKH	3/2/2022, 13:32:21	3/2/2022, 13:34:00	3m 34m	iram87738@ascscs.sies.edu	Presenter	iram87738@ascscs.sies.edu.in
LAXMI RAJU PAL	3/2/2022, 13:32:21	3/2/2022, 13:34:00	3m 34m	laxmi87771@ascscs.sies.edu	Presenter	laxmi87771@ascscs.sies.edu.in
Sonali Rajesh Jaiswal	3/2/2022, 13:32:21	3/2/2022, 13:34:00	3m 34m	sonalij@ascscs.sies.edu.in	Presenter	sonalij@ascscs.sies.edu.in
Kiran Prakash Mishra	3/2/2022, 13:32:21	3/2/2022, 13:34:00	3m 34m	kiranm21@ascscs.sies.edu	Presenter	kiranm21@ascscs.sies.edu.in
Riddhi Vikas Mhatre	3/2/2022, 13:32:21	3/2/2022, 13:32:00	3m 32m	riddhim@ascscs.sies.edu.in	Presenter	riddhim@ascscs.sies.edu.in
Deepika Tambe	3/2/2022, 13:32:21	3/2/2022, 13:32:00	3m 32m	deepikat@sies.edu.in	Presenter	deepikat@sies.edu.in
Ratna Srinivasan Iyer	3/2/2022, 13:32:21	3/2/2022, 13:32:00	3m 32m	ratnai@ascscs.sies.edu.in	Presenter	ratnai@ascscs.sies.edu.in
Revathi Anilkumar	3/2/2022, 13:32:21	3/2/2022, 13:32:00	3m 32m	revathia@ascscs.sies.edu.in	Presenter	revathia@ascscs.sies.edu.in
Shrutika Satish Mokal	3/2/2022, 13:32:21	3/2/2022, 13:59:00	27m 39s	Shrutika2122017@ascscs.sies.edu	Presenter	Shrutika2122017@ascscs.sies.edu.in
Mercy Pakiaselvi Charles	3/2/2022, 13:32:21	3/2/2022, 13:31:00	3m 31m	mercyyc@ascscs.sies.edu.in	Presenter	mercyyc@ascscs.sies.edu.in
Pooja Maurya	3/2/2022, 13:32:21	3/2/2022, 13:31:00	3m 31m	poojam@sies.edu.in	Presenter	poojam@sies.edu.in
Sheetal Mahesh Gupta	3/2/2022, 13:32:21	3/2/2022, 13:31:00	3m 31m	sheetalg@ascscs.sies.edu.in	Presenter	sheetalg@ascscs.sies.edu.in
Pramod Ghogare	3/2/2022, 13:32:21	3/2/2022, 13:31:00	3m 31m	pramodg@sies.edu.in	Presenter	pramodg@sies.edu.in
Manju Phadke	3/2/2022, 13:32:21	3/2/2022, 13:25:00	6m 25m	manjup@sies.edu.in	Presenter	manjup@sies.edu.in
Jyoti Babar	3/2/2022, 13:32:21	3/2/2022, 13:08:00	14m 59s	vyotib@sies.edu.in	Presenter	vyotib@sies.edu.in
Jyoti Babar	3/2/2022, 13:32:21	3/2/2022, 13:20:00	8m 20m	vyotib@sies.edu.in	Presenter	vyotib@sies.edu.in
Jyoti Babar	3/2/2022, 13:32:21	3/2/2022, 13:11:00	11m 33s	vyotib@sies.edu.in	Presenter	vyotib@sies.edu.in
JYOTI DATTANAND VERNERKAR	3/2/2022, 13:32:21	3/2/2022, 13:41:00	8m 21s	vyoti105958@ascscs.sies.edu	Presenter	vyoti105958@ascscs.sies.edu.in

JYOTI DATTANAND VERNERKAR	3/2/2022, : 3/2/2022, : 2h 6m	jyoti105958@asc.sies.ed Presenter jyoti105958@asc.sies.edu.in
JYOTI DATTANAND VERNERKAR	3/2/2022, : 3/2/2022, : 25m 26s	jyoti105958@asc.sies.ed Presenter jyoti105958@asc.sies.edu.in
Dr. Leela Subramanian (Guest)	3/2/2022, : 3/2/2022, : 3h 18m	Presenter
SURABHI ANIRUDDHA RANE	3/2/2022, : 3/2/2022, : 3h 18m	surabhi101283@asc.sies Presenter surabhi101283@asc.sies.edu.in
HARSHA VINAYAK NAIK	3/2/2022, : 3/2/2022, : 3h 18m	harsha94443@asc.sies.e Presenter harsha94443@asc.sies.edu.in
MINOTI NITEEN UPASANI	3/2/2022, : 3/2/2022, : 3h 18m	minoti100784@asc.sies. Presenter minoti100784@asc.sies.edu.in
ADITHI SUNILKUMAR ACHARI	3/2/2022, : 3/2/2022, : 3h 17m	adithi97563@asc.sies.ec Presenter adithi97563@asc.sies.edu.in
SHRUTI SANTOSH KAMBLE	3/2/2022, : 3/2/2022, : 3h 17m	shruti102131@asc.sies.t Presenter shruti102131@asc.sies.edu.in
DANISH IBRAHIM MOMIN	3/2/2022, : 3/2/2022, : 2h 39m	danish96671@asc.sies.e Presenter danish96671@asc.sies.edu.in
SANNID DAYANAND SHETTY	3/2/2022, : 3/2/2022, : 3h 17m	sannid89356@asc.sies.e Presenter sannid89356@asc.sies.edu.in
Carol Bragg	3/2/2022, : 3/2/2022, : 22m 38s	carolb@sies.edu.in Presenter carolb@sies.edu.in
ANJUM ABUL SATTAR ANSARI	3/2/2022, : 3/2/2022, : 3h 16m	anjum97596@asc.sies.e Presenter anjum97596@asc.sies.edu.in
HANEE ABRAR ARKATE	3/2/2022, : 3/2/2022, : 1h 19m	hanee97735@asc.sies.er Presenter hanee97735@asc.sies.edu.in
HANEE ABRAR ARKATE	3/2/2022, : 3/2/2022, : 1h 45m	hanee97735@asc.sies.er Presenter hanee97735@asc.sies.edu.in
Asawari Narendra Joshi	3/2/2022, : 3/2/2022, : 2h 14m	asawarij@asc.sies.edu.ir Presenter asawarij@asc.sies.edu.in
SARANYA SATHEESAN PANTHA VOOF	3/2/2022, : 3/2/2022, : 3h 16m	saranya98414@asc.sies. Presenter saranya98414@asc.sies.edu.in
JATIN JAYARAM KARKERA	3/2/2022, : 3/2/2022, : 1h 9m	jatin103780@asc.sies.ec Presenter jatin103780@asc.sies.edu.in
JATIN JAYARAM KARKERA	3/2/2022, : 3/2/2022, : 2h 5m	jatin103780@asc.sies.ec Presenter jatin103780@asc.sies.edu.in
SHUBHAM CHANDRASHEKHAR SAW	3/2/2022, : 3/2/2022, : 3h 16m	shubham100789@asc.si Presenter shubham100789@asc.sies.edu.in
KRITHIKA MADASAMY KONAR	3/2/2022, : 3/2/2022, : 3h 16m	krithika97009@asc.sies.i Presenter krithika97009@asc.sies.edu.in
SNEHA SUBHASH MUDAWAR	3/2/2022, : 3/2/2022, : 3h 9m	sneha102292@asc.sies.e Presenter sneha102292@asc.sies.edu.in
SANJANA ARUNKUMAR VOJILA	3/2/2022, : 3/2/2022, : 2h 2m	sanjana93825@asc.sies. Presenter sanjana93825@asc.sies.edu.in
SANJANA ARUNKUMAR VOJILA	3/2/2022, : 3/2/2022, : 1h 10m	sanjana93825@asc.sies. Presenter sanjana93825@asc.sies.edu.in
PRANJAL AVADHUT RAI	3/2/2022, : 3/2/2022, : 3h 11m	pranjal96186@asc.sies.e Presenter pranjal96186@asc.sies.edu.in
Vaishali Kamble	3/2/2022, : 3/2/2022, : 4s	Presenter
Vaishali Kamble	3/2/2022, : 3/2/2022, : 1h 14m	Presenter
MAHALAKSHMI RAJASEKAR (Guest)	3/2/2022, : 3/2/2022, : 3h 3m	Presenter
VISHNU MURALIDHARAN NAIR	3/2/2022, : 3/2/2022, : 2h 48m	vishnu91579@asc.sies.e Presenter vishnu91579@asc.sies.edu.in
RAHUL MANOJKUMAR MISHRA	3/2/2022, : 3/2/2022, : 6m 8s	rahulm@sies.edu.in Presenter rahulm@sies.edu.in
Ganesh Ashok Chintakindi	3/2/2022, : 3/2/2022, : 1h 33m	ganeshc21@asc.sies.edu Presenter ganeshc21@asc.sies.edu.in
Ganesh Ashok Chintakindi	3/2/2022, : 3/2/2022, : 15m 17s	ganeshc21@asc.sies.edu Presenter ganeshc21@asc.sies.edu.in
Vaishali Kamble	3/2/2022, : 3/2/2022, : 1h 48m	Presenter
EKTA ASHOK JAISWAL	3/2/2022, : 3/2/2022, : 28m 50s	ekta98241@asc.sies.edu Presenter ekta98241@asc.sies.edu.in



## Meeting Summary

Total Number of Participants

45

Meeting Title

Workshop on "Development of Skills in Bio-Statistics to Analyse Biological DATA Sets" ( Day 2: 3rd March 2022 )

Meeting Start Time

3/4/2022, 2:50:09 PM

Meeting End Time

3/4/2022, 6:11:47 PM

Meeting Id

efe530f7-de43-41e0-a7b6-d8a895ff530a

Full Name	Join Time	Leave Time	Duration	Email	Role	Participant ID (UPN)
Ankita Ramesh Tharakan	3/4/2022, :3/4/2022, :13h 18m			ankitat@as	Presenter	ankitat@ascscs.sies.edu.in
Ratna Srinivasas Iyer	3/4/2022, :3/4/2022, :13h 17m			ratnai@asc	Presenter	ratnai@ascscs.sies.edu.in
Hera Azmi	3/4/2022, :3/4/2022, :13h 19m			heraa@sie:	Organizer	heraa@sies.edu.in
Pooja Maurya	3/4/2022, :3/4/2022, :13h 14m			poojam@s:	Presenter	poojam@sies.edu.in
Haritha Ramesan Nair	3/4/2022, :3/4/2022, :13h 13m			harithan@:	Presenter	harithan@ascscs.sies.edu.in
IRAM HASAN SHAIKH	3/4/2022, :3/4/2022, :13h 13m			iram87738	Presenter	iram87738@ascscs.sies.edu.in
Mrunal Shrikant Ramdas	3/4/2022, :3/4/2022, :13h 13m			mrunalr21	Presenter	mrunalr21@ascscs.sies.edu.in
Riddhi Vikas Mhatre	3/4/2022, :3/4/2022, :13h 12m			riddhim@a	Presenter	riddhim@ascscs.sies.edu.in
Monika Satyendra Mehta	3/4/2022, :3/4/2022, :13h 12m			monikam2:	Presenter	monikam21@ascscs.sies.edu.in
Revathi Anilkumar	3/4/2022, :3/4/2022, :13h 12m			revathia@:	Presenter	revathia@ascscs.sies.edu.in
Mercy Pakiaselvi Charles	3/4/2022, :3/4/2022, :13h 11m			mercy@:	Presenter	mercy@ascscs.sies.edu.in
MAHESH VENUGOPAL CHILIVE	3/4/2022, :3/4/2022, :13h 11m			mahesh866	Presenter	mahesh866@ascscs.sies.edu.in
Kiran Prakash Mishra	3/4/2022, :3/4/2022, :13h 11m			kiranm21@	Presenter	kiranm21@ascscs.sies.edu.in
Shrihari Prahlad Deshpande	3/4/2022, :3/4/2022, :13h 11m			shriharid21	Presenter	shriharid21@ascscs.sies.edu.in
LAXMI RAJU PAL	3/4/2022, :3/4/2022, :13h 11m			laxmi87771	Presenter	laxmi87771@ascscs.sies.edu.in
MAHALAKSHMI ALAGAMMAL	3/4/2022, :3/4/2022, :13h 13m			mahalaksh:	Presenter	mahalakshmi108286@ascscs.sies.edu.in
Dr Leela Subramanian (Guest)	3/4/2022, :3/4/2022, :13h 7m				Presenter	
SANNID DAYANAND SHETTY	3/4/2022, :3/4/2022, :13h 9m			sannid8931	Presenter	sannid89356@ascscs.sies.edu.in
Deepika Tambe	3/4/2022, :3/4/2022, :13h 9m			deepikat@	Presenter	deepikat@sies.edu.in
Sonali Rajesh Jaiswal	3/4/2022, :3/4/2022, :13h 8m			sonalij@as	Presenter	sonalij@ascscs.sies.edu.in
vaishalikamble394	3/4/2022, :3/4/2022, :13h 43m			vaishalika	Presenter	vaishalikamble394_gmail.com#EXT#@SIESCMS.onmicros
vaishalikamble394	3/4/2022, :3/4/2022, :13h 43m			vaishalika	Presenter	vaishalikamble394_gmail.com#EXT#@SIESCMS.onmicros
JATIN JAYARAM KARKERA	3/4/2022, :3/4/2022, :13h 7m			jatin10378i	Presenter	jatin103780@ascscs.sies.edu.in
Jyoti Babar	3/4/2022, :3/4/2022, :13m 18s			vyotib@sie:	Presenter	vyotib@sies.edu.in
Jyoti Babar	3/4/2022, :3/4/2022, :1h 52m			vyotib@sie:	Presenter	vyotib@sies.edu.in
Sheetal Mahesh Gupta	3/4/2022, :3/4/2022, :13h 7m			sheetalg@:	Presenter	sheetalg@ascscs.sies.edu.in

SHRUTI SANTOSH KAMBLE	3/4/2022, 3/4/2022, 13h 7m	shruti1021 Presenter	shruti102131@asc.sies.edu.in
HANEE ABRAR ARKATE	3/4/2022, 3/4/2022, 13h 7m	hanee9773 Presenter	hanee97735@asc.sies.edu.in
VISHNU MURALIDHARAN NAIR	3/4/2022, 3/4/2022, 13h 6m	vishnu9157 Presenter	vishnu91579@asc.sies.edu.in
JYOTI DATTANAND VERNERKAI	3/4/2022, 3/4/2022, 7m 16s	jyoti10595: Presenter	jyoti105958@asc.sies.edu.in
JYOTI DATTANAND VERNERKAI	3/4/2022, 3/4/2022, 12h 57m	jyoti10595: Presenter	jyoti105958@asc.sies.edu.in
Dr Leela Subramanian (Guest)	3/4/2022, 3/4/2022, 1m 11s	Presenter	
ADITHI SUNILKUMAR ACHARI	3/4/2022, 3/4/2022, 13h 5m	adithi9756: Presenter	adithi97563@asc.sies.edu.in
SHUBHAM CHANDRASHEKHAR	3/4/2022, 3/4/2022, 13h 5m	shubham11 Presenter	shubham100789@asc.sies.edu.in
KRITHIKA MADASAMY KONAR	3/4/2022, 3/4/2022, 13h 4m	krithika970 Presenter	krithika97009@asc.sies.edu.in
Ganesh Ashok Chintakindi	3/4/2022, 3/4/2022, 12h 13m	ganeshc21: Presenter	ganeshc21@asc.sies.edu.in
EKTA ASHOK JAISWAL	3/4/2022, 3/4/2022, 13h 3m	ekta98241: Presenter	ekta98241@asc.sies.edu.in
HARSHA VINAYAK NAIK	3/4/2022, 3/4/2022, 13h 3m	harsha944: Presenter	harsha94443@asc.sies.edu.in
PRANJAL AVADHUT RAI	3/4/2022, 3/4/2022, 13h 1m	pranjal961: Presenter	pranjal96186@asc.sies.edu.in
SANJANA ARUNKUMAR VOJIL	3/4/2022, 3/4/2022, 13h 1m	sanjana934: Presenter	sanjana93825@asc.sies.edu.in
DANISH IBRAHIM MOMIN	3/4/2022, 3/4/2022, 13h 1m	danish966: Presenter	danish96671@asc.sies.edu.in
MINOTI NITEEN UPASANI	3/4/2022, 3/4/2022, 12h 54m	minoti100: Presenter	minoti100784@asc.sies.edu.in
ANJUM ABDUL SATTAR ANSAR	3/4/2022, 3/4/2022, 12h 49m	anjum9759: Presenter	anjum97596@asc.sies.edu.in
SARANYA SATHEESAN PANTHA	3/4/2022, 3/4/2022, 12h 12m	saranya984: Presenter	saranya98414@asc.sies.edu.in
SARANYA SATHEESAN PANTHA	3/4/2022, 3/4/2022, 133m 20s	saranya984: Presenter	saranya98414@asc.sies.edu.in
Miss Akanksha Shenoy	3/4/2022, 3/4/2022, 29m 41s	akankshas: Presenter	akankshas@sies.edu.in
SNEHA SUBHASH MUDAWAR	3/4/2022, 3/4/2022, 11h 7m	sneha1022: Presenter	sneha102292@asc.sies.edu.in
Pramod Ghogare	3/4/2022, 3/4/2022, 146m 20s	pramodg@ Presenter	pramodg@sies.edu.in
Manju Phadke	3/4/2022, 3/4/2022, 19m 47s	manjup@si Presenter	manjup@sies.edu.in

Total number of Participants :- 45

Staff members :- 6



## Department of Mathematics

### Webinar: Pathways to develop Research Skills in Mathematics

(under RUSA grant)

#### REPORT

The Webinar titled “**Pathways to develop Research Skills in Mathematics**” was held **ONLINE** on 05/03/2022.

Research in Mathematics is different from research in other science subjects, it is abstract in nature. Many a times, those who are interested in research, do not have proper idea, how to go about it, in which areas there is need for research, how it will be useful for applied sciences and so on.

Young Academicians want to explore areas in Mathematics research, want to review Mathematics literature. want to have an idea about how to write a paper in Mathematics Journal, what is the scope of minor research and similar queries.

Every year there are few brilliant students who have aptitude for research, but they do not have idea how to go ahead. Such students should be motivated. The teachers should have proper information to help them. Above topic is selected to answer the queries and doubts and motivate active research in Mathematics.

#### Objectives:

1) To bring together academicians, faculty involved in research or intend to do research and students with research aptitude.

2) To nurture research aptitude by exchanging knowledge and ideas.

**Total number of Participants** who registered for the webinar was 161 which included UG PG students and academicians. However total number of participants who attended all sessions turned out to be **70(65 participants+5 organisers)**.

#### Details of Sessions:

Session 1 Keynote: “ **Nurturing Research skills in Mathematics**”

Session 2: “ **Contemporary Research Areas in Mathematics**”

Session 3: “ **Procedural Approach to Quality Research in Mathematics**”

Session 4: Panel Discussion: “ **Research Avenues and Opportunities**”

Names of Resource Persons:

Session 1 : Dr. Sharad Sane

Session 2: Dr. Sidhartha Gadgil

Session 3 : Dr. Jyotshna Prajapat

Session 4 : Dr. Rekha Santhanam, Dr. Anisa Chorwadwala

Moderator for session 4 : Ms. Rekha Watve-Paradkar

Expected outcome was to motivate students for doing mathematical research, and answer the queries of academicians who intend to do research.

Amount Claimed: 15,000 (Claimed under RUSA grant)

Annexure:

- i. Detail of the Resource persons.
- ii. List of Participants.
- iii. Photographs (screen shots) of Webinar.

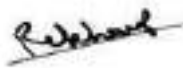
Report Prepared by

Name : Ms. Rekha Watve-Paradkar

Department: Mathematics

Designation : Associate Professor

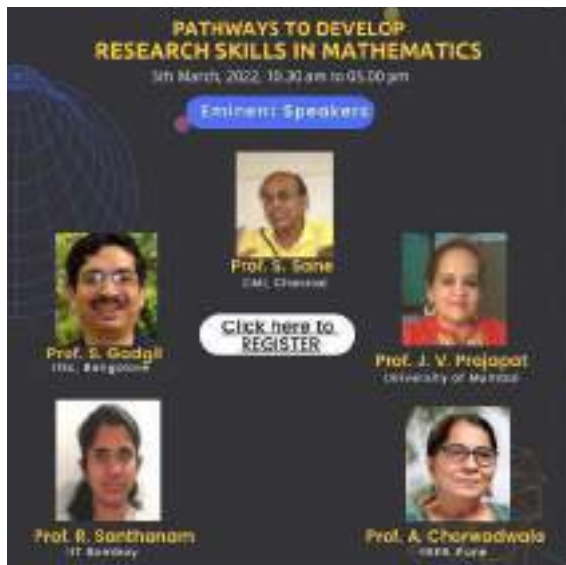
Signature :



PRINCIPAL



**Annexure i(Details of Resource persons)**



**Annexure ii**

PRSM Attendance			
Timestamp	Full Name	Timestamp	Full Name
02/03/2022 13:51:34	Ruchita Karmokar	05/03/2022 16:57:37	Mr.Dheeraj Kumar Dubey
04/03/2022 00:01:51	Mr. Anoop Skaria Varghese	05/03/2022 16:58:22	Dr. Vandana N.Purav
04/03/2022 12:05:24	Geeta Paluskar	05/03/2022 16:58:26	Dattatray Jalindar Bhosale
05/03/2022 16:53:05	Mr. Shivek Daswani	05/03/2022 16:58:37	Mr.Santosh Mahadev Nar
05/03/2022 16:53:09	Dr. Mohd Ahmed	05/03/2022 17:00:09	Ms.M.Mahiba
05/03/2022 16:53:12	Mr.Nilesh Balaso Nalawade	05/03/2022 17:00:17	Dr. Sarujinee Gogoi
05/03/2022 16:53:15	Mr. Vipin Kumar Gupta	05/03/2022 17:03:53	Ms. Kanta Malik
05/03/2022 16:53:26	Prof. Suman Upadhyay	05/03/2022 17:25:45	Shailesh Rammanorath Gaud
05/03/2022 16:53:50	Mr Sunny Ravindra Angol	05/03/2022 17:32:58	Prakash Kumar Shivshankar Singh
05/03/2022 16:53:54	Ansari Saima Nisar Ahmed	05/03/2022 17:44:28	Miss Sharanya Shettigar
05/03/2022 16:54:04	Mr. Dipak Sandu Jadhav	05/03/2022 19:30:15	Mrs. Sonali Murtadak
05/03/2022 16:54:13	Dr. KARTHIKEYAN S	05/03/2022 20:40:18	Vaibhava Mishrav
05/03/2022 16:54:20	Mr. Ajaykumar Shukla	05/03/2022 20:48:03	Mr. Vijay Singh Chauhan
05/03/2022 16:54:26	Gauri Abhay Lonkar	05/03/2022 20:54:46	Mst. Vora Vivek Naresh
05/03/2022 16:54:36	Mr. Deep Padharia	05/03/2022 20:54:53	Dr. M. Bhuvaneshwari

05/03/2022 16:54:36	Shreepad Gajanan Prabhu	05/03/2022 23:13:33	Dr Mrs Vandana Z Badade
05/03/2022 16:54:49	Dr. NAGESH RAVINDRA KALE	05/03/2022 23:18:54	Vaishali Falnikar
05/03/2022 16:54:52	Ms.Anlin Bena E	05/03/2022 23:23:47	Dr Kshitij Zunjarrao Badade
05/03/2022 16:54:56	Shinde Rupali Baheru	06/03/2022 07:42:18	Ms. Kiran
05/03/2022 16:55:07	Sagar Jagad	06/03/2022 09:45:16	Mr.N.V.Pawar
05/03/2022 16:55:09	Rashmi Yadav	06/03/2022 13:26:52	Mr. SATYANARAYANA
05/03/2022 16:55:15	Ms. Vrushali Sukhi	06/03/2022 21:37:21	Vaibhava Mishra
05/03/2022 16:55:19	Kuldeep	06/03/2022 22:17:20	Sujata Jha
05/03/2022 16:55:32	Miss Pratima Mohan Manjarekar	07/03/2022 06:28:06	Dr Shally Gupta
05/03/2022 16:55:39	Miss Ishika Taposh Ghosh	07/03/2022 07:32:50	Dr. ARJUN KUMAR
05/03/2022 16:55:43	Ms. Saniya E Fatma Mohd Salim Shaikh	07/03/2022 07:38:01	BHARATHI, M
05/03/2022 16:55:44	Dr. Parul Chaddha	07/03/2022 08:04:14	DEEPAK KUMAR MAHATO
05/03/2022 16:55:55	Shreya Anil Kelkar	07/03/2022 09:27:08	ANJU DINESHKUMAR BARAI
05/03/2022 16:55:58	Pritam Sunil Satupe	07/03/2022 09:31:35	Dr K Moses
05/03/2022 16:56:02	Ms. Venecia Lopes	07/03/2022 10:42:03	Mr. Jaydip Yuvaraj Patil
05/03/2022 16:56:35	Nirwal Amrut Prabhakarrao	07/03/2022 11:59:52	Mr. Meiyathan M
05/03/2022 16:56:36	Dr Shridhar Krishna Pawar	07/03/2022 16:50:09	Ashish
05/03/2022 16:56:43	Mr. RAHUL BAJIRAO DESHMUKH	07/03/2022 17:00:44	Ms. Bhawna
05/03/2022 16:56:55	Mrs. C. Celin Shalini	07/03/2022 19:06:48	Ms. Priyanka
05/03/2022 16:56:58	Mr.V L N SRIHARI GADDAM	14/03/2022 18:07:26	Ankita Mishra

### Annexure iii





**SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS)**  
DOWRY MUMBAI

**DEPARTMENT OF MATHEMATICS**  
UNDER THE AGGIE OF RUSA  
organizes a National Webinar on

**PATHWAYS TO DEVELOP RESEARCH SKILLS IN MATHEMATICS**  
9th March, 2022, 10:30 am to 05:00 pm

**Eminent Speakers**



**Prof. S. Gadgil**  
IISc, Bangalore



**Prof. S. Sane**  
CML, Chennai



**Prof. J. V. Prajapat**  
University of Mumbai



**Prof. R. Santhanam**  
IIT Bombay



**Prof. A. Choudhwal**  
IISc, Pune

[Click here to REGISTER](#)

Join [group](#) after registration for more updates  
invitations will be provided

**ABOUT SIES**

SIES College of Arts, Science and Commerce (Autonomous), Mumbai is one of the prominent educational institutions in Mumbai. The college has a long history of providing quality education in various fields. The Department of Mathematics is one of the leading departments in the college. It offers a wide range of courses and programs. The department is committed to providing the best quality education to its students. The department is also involved in various research activities. The department is a member of the Association of Mathematics Departments in India (AMDI).

**ABOUT THE WEBINAR**

**Session 1: Keynote address by Prof. S. Sane**  
Nurturing the research skills in Mathematics

**Session 2: by Prof. S. Gadgil**  
Contemporary areas of research in Mathematics

**Session 3: by Prof. J. V. Prajapat**  
Procedural approach to quality research in Mathematics

**Session 4: Panel discussion by Prof. R. Santhanam & Prof. A. Choudhwal**  
Research avenues and opportunities

**ELIGIBILITY & REGISTRATION**

- Faculty members of schools and colleges
- Students interested in pursuing research in Mathematics
- Registration is free
- Last date to register 02nd March, 2022

**PRINCIPAL**  
Dr. Uma Shankar

**CONVENER**  
Dr. Neha Mahesh Parashkar

**ORGANIZING COMMITTEE:**

Mr. Gauri Patilkar gauripatilkar@sies.edu.in	Mr. Anoop S. Surghuse anoozs@sies.edu.in	Mr. Yashraj Patilkar yashrajpatilkar@sies.edu.in
Mr. Surajit Koiri surajitk@sies.edu.in	Mr. Shreyas D. Joshi shreyasd@sies.edu.in	Mr. Shreyas Joshi shreyasj@sies.edu.in

[sies.mathematics@gmail.com](mailto:sies.mathematics@gmail.com)



**SIES College of Arts, Science and Commerce (Autonomous)**  
**Department of Biochemistry-Food Technology and Nutraceuticals**  
**Report** **18/03/22**

Activity : HACCP and FoSTaC workshop  
Resource Person : Mr Sanjay Indani -NBPQ approved Food Safety Auditor and Consultant  
Venue : Mini auditorium- SIES College of Arts, Science and Commerce  
Date : 14<sup>th</sup> and 15<sup>th</sup> March 2022  
Beneficiaries : 24 students of Post Graduate Diploma-Food Technology and Nutraceuticals  
Expected Outcome : Participants gain knowledge on food safety management system and acquire practical skills of assessing, monitoring, controlling, and reviewing food safety procedures at workplaces. HACCP and FoSTaC certification from FSSAI after completion of this program.

**Report:**

Hazard Analysis and Critical Control Points (HACCP) and Food Safety Training and Certification(FoSTaC) workshop was conducted over 2 days 14th March 2022 and 15th March 2022 in collaboration with Safe Foodz Pvt Ltd and Food Safety and Standards Authority of India (FSSAI).

Resource Person, Mr Sanjay Indani conducted the HACCP Awareness, Implementation and Internal Auditor training session, in which following aspects were covered:

- Basic principles of hygiene and manufacturing practices at a food industry,
- regulations followed at different licensed food sectors according to the schedule 4 (i.e. street food vendors, food business operators, milk and milk products, meat products and restaurants.
- licensing of food business (state or central licensing) and the schedule 4 requirements; FSSAI regulation, objectives, formation (i.e. sourced from Codex Alimentarius commission). different types of certifications and accreditations (ISO, HACCP, NABL, etc.)
- Principles of HACCP; Identifying the potential hazards (sources: man, machine, material, environment) and conducting a detailed hazard control measures (prevention of hazard occurrence).
- Determining critical control points and establishing limits for these CCP's
- Food Safety Auditing Process

At the end of two day session, students received certification for HACCP awareness and implementation from SafeFoodz Pvt. Ltd and Food Safety Training and Certification from FSSAI.

  
Dr Deepali Kothekar  
Co-ordinator-Food Technology and Nutraceuticals



  
Principal



**REPORT FORMAT**

A. Title of the Seminar/Workshop/Conferences: Training and Skill Development in Instrumentation and Bioanalytical Techniques”

B. Background: Conventional teaching learning pedagogy especially in science class activities involves routine following of instructions by students given to them by teachers which leads to lack of learning, developing and training of laboratory skills. A student’s approach is mechanical without making use of creative thought in why and how a scientific experiment is performed. Therefore, instead of having a conventional and pedagogic approach, this workshop attempts to have a creative and innovative concept-based learning approach with an inquiry based interdisciplinary curriculum centering on the principle that students should actually do science themselves.

C. Aims/Objectives: The workshop aims to inculcate critical thinking, interdisciplinary approach and analytical reasoning in students. It will also impart skill training/fresh skilling of laboratory instruments, equipment and bioanalytical techniques

D. Location: Department of Bioanalytical Sciences, 3rd floor, SIES College, Sion (West), Mumbai

E. Target audience/participants with expected number: Students currently pursuing M.Sc in subjects such as Bioanalytical Sciences, Biochemistry, Biotechnology, Botany, Life Sciences, Microbiology, and Zoology. Expected number: 72 participants

iii) Photographs of Seminar/Workshop:

<https://drive.google.com/drive/folders/1ea1YOZEBnOo31M77cEzkAzcCzed2RNg?usp=sharing>



Report Prepared by

Signature : \_\_\_\_\_

Name : Dr Satish S Sarfare

Department: Bioanalytical Sciences

Designation : Head and Co-ordinator of Bioanalytical Sciences

Signature of Principal







**SIES COLLEGE OF ARTS, SCIENCE AND  
COMMERCE AUTONOMOUS**

**Department of Microbiology**

Is Organizing a Guest Lecture

on

**Topic: Intellectual Property Rights**

By

**Dr Seema Sambrani**

**Faculty, Department of Microbiology, K.J. Somaiya  
College of Science and Commerce, Mumbai**

On Saturday, 19<sup>th</sup> March 2022

**Time:** 11.00 AM to 1.00 PM

**Venue:** Undergraduate Microbiology laboratory, 4<sup>th</sup> floor,  
SIES College of Arts, Science and Commerce Autonomous  
Sion (West), Mumbai 400022

SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE  
[AUTONOMOUS]

DEPARTMENT OF MICROBIOLOGY

GUEST LECTURE: INTELLECTUAL PROPERTY RIGHTS BY

Dr. SEEMA SAMBRANI


DATE: 19.03.2022 SATURDAY

A lecture on Intellectual Property Rights was delivered by Dr. Seema Sambrani, Faculty, Department of Microbiology, SK Somaiya College of Arts, Science and Commerce, Mumbai, in the UG Laboratory of Department of Microbiology, SIES College of Arts, Science and Commerce [Autonomous], Sion West, Mumbai at 11 am on March 19, 2022. She highlighted on important concepts like Piracy, Intellectual Property Rights, Trade Secret, Trade Mark, Copyright and associated topics. She explained in detail about the relation between IPR and Patent and the importance of the same to secure a novel work. Dr. Seema madam even suggested Creative Commons License Forum, a free platform, to secure our creative content and micrographs for free. She highlighted different courses under IP India, WIPO and TRIPS web portals, to generate interest in IPR and career in the same field. She even discussed various cases pertaining IPR laws and Patenting resonating with the audience. The event Convener was Dr. Manju Phadke, Head of Department, Department of Microbiology, SIES College of Arts, Science and Commerce [Autonomous] and Co- Convener was Dr. Pramod Ghoghare, Associate Professor, Department of Microbiology, SIES College of Arts, Science and Commerce [Autonomous]. The event was coordinated by Ms. Deepika Tambe, Ms. Heera Azmi, Ms. Pooja Meurya and Ms. Akanksha Shenoy. The event was specially arranged for Third Year UG and MSc students. Dr. Pramod Ghoghare felicitated Dr. Seema Sambrani and offered a vote of thanks.

  
Dr. Manju Phadke  
Head of the Department

  
Dr. Pramod Ghoghare  
Teacher in charge



  
Principal

SIES COLLEGE OF ARTS, SCIENCE AND COMMERCE [AUTONOMOUS]

DEPARTMENT OF MICROBIOLOGY

GUEST LECTURE: INTELLECTUAL PROPERTY RIGHTS BY Dr. SEEMA SAMBRANI

DATE: 19.03.2022 SATURDAY

SR.NO	NAME	CLASS	ROLL NO	SIGN
1	Harsha Naik	TYBSc	TS2122512	<i>H Naik</i>
2	Tyoti Vernekar	TYBSc	TS2122513	<i>Tyoti</i>
3	Ranjini. Srinivasan	TYBSc	TS2122524	<i>Ranjini</i>
4	Shubham C. Sawant	TYBSc	TS2122505	<i>Shubham</i>
5	Jatin J. Karkera	TYBSc	TS2122502	<i>Jatin</i>
6	Shraddha S. Awate	TYBSc	TS2122519	<i>Shraddha</i>
7	Megha. Badgami	TYBSc	TS2122520	<i>Megha</i>
8	Shruti. S. Kamble	TYBSc	TS2122983	<i>Shruti</i>
9	Purnjal. A. Rai	TYBSc	TS2122504	<i>Purnjal</i>
10	Danish I. Momin	TYBSc	TS2122486	<i>Danish</i>
11	Shumaila Ar. Shaikh.	TYBSc	TS2122582	<i>Shumaila</i>
12	Adithi Achari	TYBSc	TS2122499	<i>Adithi</i>
13	Haree Awkate	TYBSc	TS2122500	<i>Haree</i>
14	Anjura Anzabi	TYBSc	TS2122482	<i>Anjura</i>
15	Saranya. Panthavoor	TYBSc	TS2122488	<i>Saranya</i>
16	Mirohi Upasani	TYBSc	TS2122506	<i>Mirohi</i>
17	Shikha Dohhe	MSC-I	FMM2CR0212200	<i>Shikha</i>
18	Chintakanti Ganesh Ashok	MSC-I	FMMICR02122006	<i>Chintakanti</i>
19	Hareshata Uadhas	TYBSc	TS2122544	<i>Hareshata</i>
20	Sanjana Arunkumar Vojjila	TYBSc	TS2122991	<i>Sanjana</i>
21	Krithika Konda	TYBSc	TS2122484	<i>Krithika</i>
22	Mahalakshmi Rajasekar	TYBSc	TS2122485	<i>Maha</i>
23	VISHNU NAIR	TYBSc	TS2122487	<i>Vishnu</i>
24	Tulsi Vangari	TYBSc	TS2122526	<i>Tulsi</i>
25	Saanid. Shetty	TYBSc	TS2122489	<i>Saanid</i>
26	Surabhi Kane	TYBSc	TS2122523	<i>Surabhi</i>
27	Vaibhavi Nayak	TYBSc	TS2122541	<i>Vaibhavi</i>
28	Rakshanda Valanju	TYBSc	TS2122522	<i>Rakshanda</i>
29	Nier Nadar.	TYBSc	TS2122521	<i>Nier</i>
30	Ratna. S. Iyer	MSC-II	SMMICR02122005	<i>Ratna</i>
31	Marcy Charles	MSC-II	SMMICR02122006	<i>Marcy</i>



32.	Anshu Poojesh Tharator	MSc I	FMMICRO 2100102	Arise
33.	Ravathi Anil Kumar	MSc II	FMMICRO 21021005	Arise
34.	Piddit Vikas Munje	MSc II	FMMICRO 2122007	Piddit
35.	Haritha Ramesh Nair	MSc II	FMMICRO 2102008	Haritha
36.	Sonal Rajesh Jaiswal	MSc II	FMMICRO 2102003	Sonal
37.	Shweta Mahesh Gupta	MSc II	FMMICRO 2102102	Shweta
38.	Mahesh Venkypal Chitani	MSc I	FMMICRO 2122005	Mahesh
39.	Shweta Tejas Hasan Marjan	MSc I	FMMICRO 2122003	Shweta
40.	Mrunal Srikant Ramesh	MSc I	FMMICRO 2122007	Mrunal
41.	Kiran Mishra	MSc I	FMMICRO 2102009	Kiran
42.	Monika Satyendra Mehta	MSc I	FMMICRO 21021001	Monika
43.	Laxmi Pooja Patil	MSc I	FMMICRO 2102008	Laxmi
44.	Urvi Chavan	TNBSc	TS2122531	Urvi

## REPORT FORMAT

A. Title of the Seminar/Workshop/Conferences: 'Inculcating research aptitude and developing research skills'

B. Background:

Basic science or science that is driven by curiosity is the foundation on which applications and innovations can be produced, therefore the rationale behind organizing such a workshop is an attempt to inculcate research aptitude and develop research skills amongst students by having interdisciplinary research approach in learning pure and applied sciences.

C. Aims/Objectives:

The objective of this workshop is to demystify research and clarify fundamental concepts in research. It also aims to nurture deep thinking and develop analytical skills amongst students, so that it would enable them to discuss and develop ideas, and to address problems in collaboration with peers, which is the underlying structure of the process of scientific inquiry. It also intends to fuel the spirit of curiosity of learners, who are also problem solvers and scientific investigators in their own way. The workshop aims to create research aptitude amongst students which will develop critical thinking and improve their analytical skills. The objective of this workshop is also to inculcate amongst students, an interdisciplinary approach between different disciplines in pure and applied sciences.

D. Location: SIES College of Arts, Science and Commerce (Autonomous), Sion (W), Mumbai

E. Target audience/participants with expected number:

Science students (Undergraduate/Postgraduate) belonging to subjects such as Bioanalytical Sciences, Biochemistry, Biotechnology, Botany, Chemistry, Life Sciences, Microbiology, Physics and Zoology. Expected Number :110 participants

Report Prepared by

Signature :-----



Name : Dr Satish S Sarfare

Department: Nirmitee Kendra

Designation : RUSA Co-ordinator



Signature of Principal







### **Title: IPR Awareness webinar**

Two hours **online** webinar was organized jointly by Internal Quality Assurance Cell of SIES College of Arts, Science and Commerce (Autonomous)- Sion (W) and SIES Central Training Department, and NIPAM on Tuesday, 10th May, 2022 Time: 11.00 am to 12.30 pm.

To commemorate the 75th anniversary of India's Independence, under the banner of Azadi Ka Amrit Mahotsav, the government of India has taken the initiative of National Intellectual Property Awareness Mission (NIPAM). As a part of this initiative, awareness and training is imparted to million students on Intellectual Property Rights (IPRS) during the period from 15 August 2021 to 15 August 2022. This webinar is also organized under this initiative.

#### **Objectives of the webinar:**

To orient students, teachers and researchers about the Intellectual Property Right, Copyright rules and patenting.

To create awareness about IP and its security.

#### **Resource Person:**

Ms. Parvathy S., Assistant Controller of patents and designs, Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India.

#### **Participants:**

**115 researchers, faculty members and students** from Degree college attended the webinar. The webinar started with the Welcome address by Vice Principal Dr. Satish Sarfare. Concept of the workshop was explained by Ms. Suma Nair, the director of SIES- central training department. Ms Geeta Paluskar, IQAC Coordinator, introduced the speaker.

#### **Methodology:**

Online webinar was organized on MSTeams Platform. The resource person Parvathy S. lucidly explained the topics related to IPR origin, different aspects, procedures and formalities in copyrights, patents, trademarks, design etc. The inputs and video shared on Geographical Indicators, an overview of IPR was very informative and interesting.

**Outcome:**

The awareness of the participants about Patents, Design, Trademarks, Copyright and Patent filling procedure was enhanced during the program. The interaction with the speaker, question and answer session, guidance on career in IPR etc was highly appreciated by participants.



**Geeta  
Paluskar  
IQAC Coordinator**



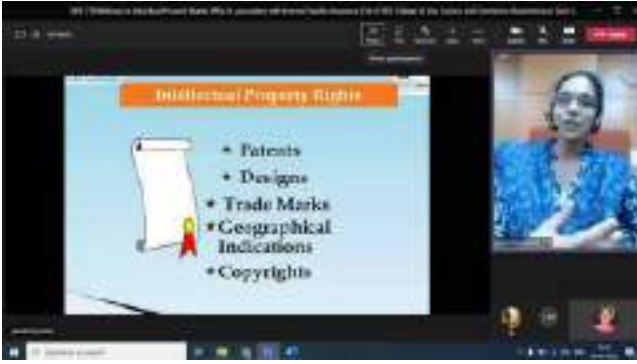
**Principal  
SIES College of Arts, Science &  
Commerce (Autonomous)  
Sion (West), Mumbai - 400 022.**



**Dr. Uma Shankar  
Principal,  
Chairperson of IQAC**

**Screenshots**





## Attendance

MYTHILI MANOHARAN	ANSHULA MANGESH MOKAL	SHRUTI TULSHIRAM BABAR	HERA AZMI
JOEL JOSE	JOMOL SAJI THOMAS	YATIN SATHEESHAN	URVI RAGHUNATH CHAVAN
MISBA IDRISI	SAYLI ANIL MORYE	KRITHI KITTA POOJARY	RASIKA HARICHANDRA BORHADE
SACHIN PRADEEP JAISWAR	KOLAMBKAR SIDDHESH DNYANESHWAR	KHAN RESHMA	RUSHIKESH CHAVAN
RIYA POOJARY	RIA SANTOSH PATWA.	PATIL SHUBHAM SUHAS	ANKITA ANJAYYA POLAGONI
ASAWARI JOSHI	KHAN SANIYA JULFEKAR	YADAV SAKSHI SUBHASH CHANDRA	ROHAN JOY QUADROS
KOKATE SANIKA SUDHAKAR	ADITYA KUBERA	KISHORI WAINGADE	NEHA NITIN MHATRE
DEEPTHI PETER	SANGITA KRISHNAN	MOHAMMED NAVED SHAIKH	TANVI RAJENDRA RAHATE
SNEHA MURLIDHAR CHILVERY	SAYALI SURYAKANT GHAG	VAISHALI KAMBLE	VEYAN VELLAIPANDI
YASH VINAY SALASTEKAR	KAUSHAL MAHAJAN	HARSHADA VILAS RANE	MEDDA AYUSH GOVINDA
RAMANI ZARNA PRAVIN BHAVNA	KHAN ZEENAT BANO ABDUL RAUF	VENISA GEORGE SWAMY	RAJLAXMI GOPAL MEHTA
SEJAL AJAY PHOPALE	REKHA KOMAL KUMAR KARWA	DARSHANA KUMAR	SHAIKH KANIZ FATMA
MANDIRA SUDHIR BHOSALE.	SIMRAN PATHAN	SAURABH VASANT NARAWADE	ZUBAIR ALI CHAUDHARY
AKANKSHA MISHRA	DEEP PADHARIA	PRAJAKTA KORGAONKAR	NISHITA MUPLIYATH
MALVINA NADAR	SAYALI PRADEEP MORE	YASHITA KUNDANSINGH THAKOR	PAWANRAJ GADIPALLI
ARYAN KADAM	DIVYA PANDIYAN CHETTIYAR	PADMINI MAHARANA	DHRUVI MANISH BID
PRIYA SUBASH VISHWKARMA	RAMIA	CHRYSANTHEA KENNEDY GONSALVES	VEDANT PRAFULLA PATIL
ASMA MOHD AFROZ	ISAAC RAJ JOHNSON	RUCHI SANJAY JADHAV	PRATIKSHA SONI
SAKSHI SHARMA	RIYA RAJENDRA JADHAV	RAJ ROHIDAS GHORPADE	KHUSHI JHIRMIRIA
ABOLI SHANKAR KOKANE	HITESHVI DOSHI	PRANJALI GAJANAN KAPSE	KANISHK VITHAL RANE
OM RUSHIKESH RANE	ARYAN SURESH MAURYA	SINGH SEJAL	VANEETA RANEY

## S I E S COLLEGE OF ARTS, SCIENCE AND COMMERCE, AUTONOMOUS, Sion west

GURRAM BHAVANA SRINIVAS

PRERANA PREMKUMAR PRITA

SHRUTI SHIVAN

LAKSHMI SHIVAKUMAR

AJAYKUMAR YADAV

AISHWARYA RAMAKRISHNAN

DHANSHREE RAJESH SANDANSHIV

RIYAN DALVI

VISHAL BANDU BIRADAR

GUPTA SHEETAL MAHESH

P.V SIDHARTH

NASREEN SHAMSHAD SHEIKH

VAISHNAVI NAMBIAR

FAWZAAN SAYYED

SHEJAL RAJU THOMAS

SHUBHANGI EKNATH NAIK

ANSARI SAJIDA AKLAKH

KAVITHA KRISHNAMURTHY

JOMOL SAJI THOMAS

NIKITA.MEHTA

LYNN DLIMA

KRISHNAN SHANKARRAJ MUDLIAR

KAUSTUBH ARVIND SONTAKKE

GEETA PALUSKAR

VIDHYA SATISH

RADHA PALANIKUMAR

BHAKTI GALA

RUPAL VORA

UMADEVI LALIT KOKKU

