



Parvatibai Chowgule College of Arts and Science  
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale in 3rd cycle)  
Best affiliated College-Goa University Silver Jubilee Year Award

**WORKSHOPS/SEMINARS CONDUCTED  
ON RESEARCH METHODOLOGY (RM),  
INTELLECTUAL PROPERTY RIGHTS  
(IPR)  
AND  
ENTREPRENEURSHIP AND SKILL  
DEVELOPMENT(ESD)**

**2020-2021**

<b>Sr. No.</b>	<b>Name of the workshop/ seminar conducted</b>
1	ESD- Workshop on 'Creating Videos using OBS'
2	ESD-Webinar on Career Progression with Psychology
3	ESD-How to Register an NGO- Seminar
4	RM-Research orientation Organised by Dean Faculty of Life Science
5	ESD-Winter School on "Electronic Structure and Molecular Dynamic Simulations Using Open Source Software
6	ESD-The HOW of Digital Story Telling- Workshop
7	ESD-CV Writing Workshop
8	ESD-Build your ePortfolio Workshop
9	ESD-The Talking Tree Series: Postcolonial Indian English Writing: Discussing Mamang Dai's 'The Black Hill'
10	IPR-Orientation on National Innovation and Startup Policy
11	RM-"How to Read Scientific Literature"- Organised by Dean-Faculty of Life sciences in association with Manav-Human Atlas initiative, IISER Pune
12	RM-Webinar - Topic "Tissue Engineering" Organised by Dean-Faculty of Life sciences on 27th February 2021.
13	ESD-Science Sethu Programme-Introductory lecture1:'International Centre for Genetic Engineering and Biotechnology'
14	ESD-'Drafting With the Intent to Publish'
15	ESD-Socius- Seminar
16	ESD-Science Sethu Programme- Session 2: Visualising Biology
17	ESD-Science Sethu Programme-Session 3: "Molecular Farming for Biofuel and Drug Using Photosynthetic Organisms"
18	ESD-Science Sethu Programme-Session 4: "How our immune system responds to infections?"
19	ESD-The Talking Tree Series: Creators & Comics
20	ESD-Science Sethu Programme-Session 5: "A biologist's view towards the utility of artificial intelligence-based approaches to combat COVID-19 pandemic"
21	RM-Cerification-Data Computation using R studio
22	RM-Cerification-Data Computation using Graphpad Prism
23	ESD- FDP on Research Based Learning



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## REPORT WORKSHOP ON 'CREATING VIDEOS USING OBS'

FOR FACULTY OF LIFE SCIENCES  
(Biotechnology, Biochemistry, Botany, & Zoology)

<b>Title:</b>	Workshop on 'Creating Videos using OBS'
<b>Date and year:</b>	08 <sup>th</sup> July 2020
<b>Venue:</b>	Zoology lab (1.30 – 3.30 pm)
<b>Organised by:</b>	Dr. Nandini Vaz Fernandes Dean- Faculty of Life Sciences
<b>Resource person/s:</b>	Mr. Aresh Naik Mr. Ashish Ashwin Dr. Uma Masur
<b>No. of Participants</b>	19
<b>Objective:</b>	To enable students to faculty members to prepare Videos for online teaching for academic year 2020-21.
<b>Summary of the proceedings</b>	<p>Prof. Nandkumar Sawant welcomed the life science faculty and explained the need for organizing the workshop. Dr. Nandini Vaz Fernandes explained the objective of the workshop.</p> <p>Mr. Aresh and Mr. Ashish Ashwin, explained the use of different features of OBS Software and how a lecture video can be created by Teachers using the software. The teachers were shown use of different features to integrate PPTs and videos and create a professional video which can be uploaded on CLAAP/Google classroom. All faculty members created videos under the guidance of Mr. Aresh Naik, Mr. Ashish Ashwin and Dr. Uma Masur</p>

## **Photographs of Workshop on 'Creating Videos using OBS'**



**Report by  
Dr. Nandini Vaz Fernandes  
Dean- Faculty of Life Sciences**

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## **Report of “Webinar on Career Progression with Psychology”**

**Title:** Webinar on Career Progression with Psychology

**Summary:** Ms. Aiswarya M. Babu, Faculty from the Department of Psychology, was invited as a Resource Person by Ms. Kimberly Pereira (Practicing Counsellor) to conduct an online session in a webinar 'Careers in Psychology' held on 04th August, 2020. She participated in an online skill enhancement session 'Psychometric Test Construction' organized by Mind weavers, India on 06th August, 2020. She also, participated in a live online workshop on the topic 'Eye Movement Desensitization and Reprocessing: Fundamentals and Beyond' on 29th August, 2020 organized by Your Dost Academy.

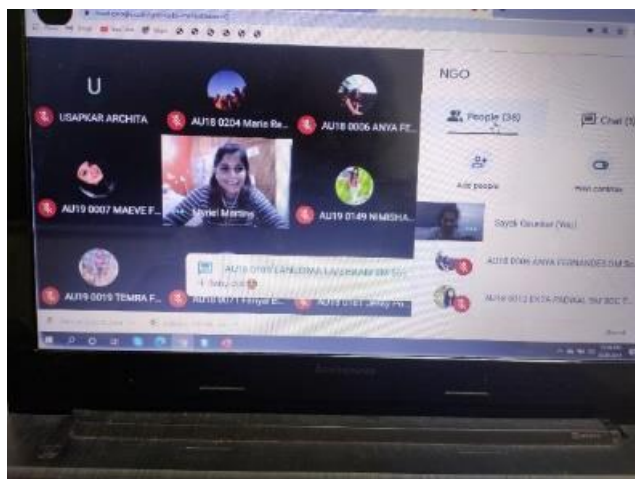


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<u>REPORT OF GUEST LECTURE</u>	
Title:	The processes of registering the NGO in Goa
Date and year:	29/9/2020
Venue:	Online (GoogleMeet)
Resource person	Ms. Myriel Martins (Alumni)
Organising Committee	Department of Sociology
No. of Participants	34
Objective:	<ol style="list-style-type: none"> <li>1. Understand the processes of registering the NGO in Goa</li> <li>2. To know the causes and challenges faced while registering an NGO.</li> <li>3. To understand structural frame work of NGO Management</li> </ol>
Summary of the proceedings	The Department of Sociology organized a guest lecture on the topic 'The processes of registering the NGO in Goa' held on 29/9/20 at 12.45 to 1.45 on the google meet. Ms. Myriel Martins was the resource person for this guest lecture, she was our ex-student batch 2018-19. Total of 34 students participated in the session. The session was very fruitful and it was interactive session students were excited to know more about the formation of NGOs.

**Photographs**







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**REPORT OF RESEARCH ORIENTATION PROGRAM**  
**FACULTY OF LIFE SCIENCES**

Research Orientation program – Research Methodology and Ethics	
<b>Title:</b>	Research Orientation program – Research Methodology and Ethics
<b>Date and year:</b>	29 <sup>th</sup> September 2020
<b>Venue:</b>	Virtual (Google meet and Telegram)
<b>Objective:</b>	The Objective of the programme is to acquaint students with the process of scientific research, research ethics and understand the process of research report writing.
<b>Organized by</b>	Dr. Nandini Vaz Fernandes- Dean Faculty of Life Sciences Event coordinating: Ms. Prasanna Gaonkar
<b>Resource Persons</b>	1. Dr. Starlaine Mascarenhas, 2. Ms. Madhu Balekai, 3. Ms. Sarah Mesquita Gray 4. Ms. Amisha Shirodkar Pednekar
<b>Target Audience/ Beneficiaries</b>	Students of Faculty of Life Sciences (Botany, Biochemistry, Biotechnology and Zoology)
<b>Summary of Event:</b>	<p>A Research Orientation program was organised for TYBSc Students of Life Sciences on 29<sup>th</sup> September 2020. The Objective of the programme was to acquaint students with the process of scientific research, understand the process of research report writing and be aware of research ethics and practice it.</p> <p>The programme was conducted in virtual mode.</p> <p><b>Google Meet:</b></p> <p>Dr. Nandini Vaz Fernandes - Dean- Faculty of Life Sciences addressed the students and explained the importance of having deeper understanding of research and scientific process. She also emphasised the importance of avoiding plagiarism.</p> 

**Orientation Sessions:** Four sessions were conducted on Telegram Channel for the BSc Life science students. The sessions were as follows:

### **Session 1: Introduction to Research**

Resource Person: Ms. Madhu Balekai, Asst. Prof. Department of Zoology.

This session was focussed on explaining to the characteristics of research and types of research. It was aimed to recognise and differentiate between basic and applied research, Experimental and non experimental research and understand the concept of deductive and inductive reasoning



### **Session 2: Phases of Research (Understanding the Scientific Method)**

Resource Person: Ms. Sarah Mesquita Gray, Asst. Prof. and In-Charge-Department of Biochemistry.

This session exposed the students to the scientific phases of research which includes Phase of conception, Phase of elaboration of research plan, Empiric phase, Analytic phase and Disseminative phase.



### **Session 3: How to Write Your Research Project Report**

Resource Person: Ms. Amisha Shirodkar Pednekar, Asst. Prof. Department of Botany.

This Session was designed to help students understand the procedure and components of research reports. Details of preliminary pages and the sequence and rationale of the chapters of the main text was explained.



### **Session 4: Referencing Styles and Avoiding Plagiarism.**

Resource Person: Dr. Starlaine Mascarenhas, Asst. Prof. Department of Biotechnology. Referencing styles vary according to different disciplines or fields of study. This session was intended to enable students to choose and adopt appropriate referencing style and

understand how to cite references. Plagiarism is a serious academic offence and so we need to be aware of what amounts to plagiarism and the ways to avoid plagiarism in academic or research works. This session enlightened the students on the same.







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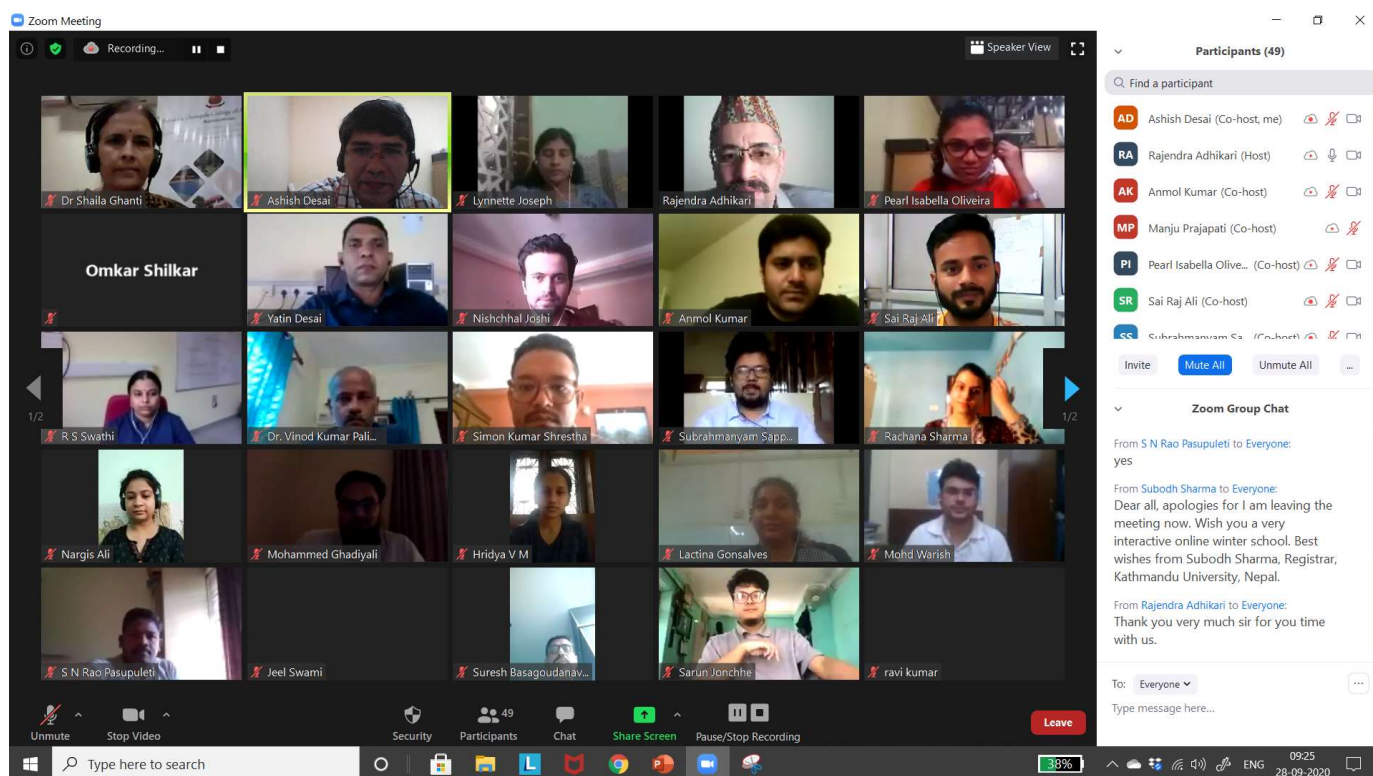
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### **Report of “Winter School on “Electronic Structure and Molecular Dynamic Simulations Using Open Source Software”**

<b>Title:</b>	Winter School on “Electronic Structure and Molecular Dynamic Simulations Using Open Source Software: From Theory to Practice”
<b>Date and year:</b>	27th Sept. to 04th Oct. 2020
<b>Venue:</b>	Online- held through ZOOM
<b>Resource person/s:</b>	<ul style="list-style-type: none"><li>• Dr. Prasenjit Ghosh, IISER Pune</li><li>• Dr. R. S. Swathi, IISER Thiruvananthapuram</li><li>• Dr. Praveen C. S., CUSAT, Kochi</li><li>• Dr. Subramanyam Sappatti, RRI, Bengaluru</li><li>• Dr. Mirosława Nedyalkova, Sofia University Bulgaria</li><li>• Dr. Anmol Kumar, University of Maryland, Baltimore, USA</li><li>• Dr. Rajendra Adhikari, Kathmandu University, Nepal</li><li>• Dr. Sudipta Kanungo, IIT Goa</li><li>• Dr. Reman Kumar Singh, IIT Bombay</li><li>• Dr. K. C. Bhamu, Gramin Mahila P. G. College, Rajasthan</li><li>• Dr. Ayush Agarwal, RRI, Bengaluru</li><li>• Dr. Hridya V. M., IISER Pune</li><li>• Niharika Joshi, IISER Pune</li><li>• Sai Raj Ali, Jamia Milia Islamia, Delhi</li><li>• Dr. Wilbe D. S., Govt. Medical College, Thiruvananthapuram</li><li>• Ghadiyali Mohammed Kader, University of Mumbai</li><li>• Aswati Mohan, IISER Pune</li><li>• SK Mujaffar Hossain, IISER Pune</li></ul>
<b>Organising Committee</b>	Department of Physics
<b>No. of Participants</b>	56
<b>Objective:</b>	The objective of this winter school was to introduce young researchers and faculty members to the basic concepts of computational simulations, with an emphasis on density-functional theory-based methods and classical molecular dynamics simulations
<b>Summary and proceedings</b>	Department of Physics, Parvatibai Chowgule College in association with Kathmandu University, Nepal organized a Winter School on “Electronic Structure and Molecular Dynamic Simulations Using Open Source Software: From Theory to Practice” from 27th Sept. to 04th Oct. 2020. The aim of this winter school was to introduce young researchers and faculty members to the basic concepts of

computational simulations, with an emphasis on density-functional theory-based methods and classical molecular dynamics simulations. The school also provided hands-on sessions with tutorials in DFT and MD to the participants and HPC facilities for a month to familiarize and train themselves with the concepts taught in the school. The lectures and practical training session were conducted by 18 resource persons from prestigious universities and institutes across the country. Among the 56 research students and faculty members from different parts of the country, Mr. Yatin P. Desai, Dr. Ashish M. Desai, Ms. Pearl Oliviera and Mr. Omkar Shilkar from the Department of Physics and Dr. Lactina Gonsalves from Department of Chemistry participated in this winter school

## PHOTOGRAPHS



Screenshot of the Inaugural function during the Winter School on “Electronic Structure and Molecular Dynamic Simulations”



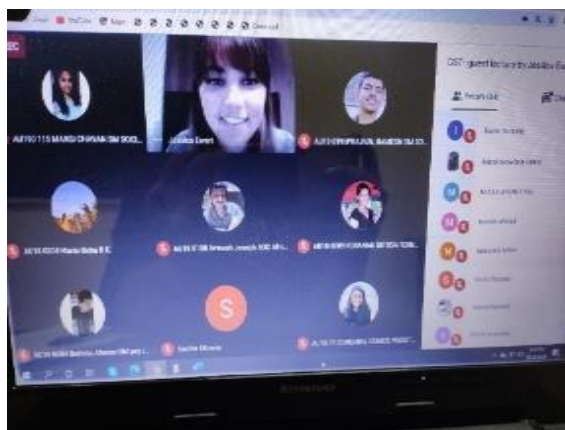
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**REPORT OF GUEST LECTURE**

Title:	The How of Making A DST
Date and year:	28 <sup>th</sup> October 2020
Venue:	Online (GoogleMeet)
Resource person	Ms. Jessica Ewert, Sociology/ Health and Social care Teacher at Kantor King Solomon high school, United Kingdoms
Organising Committee	Department of Sociology
No. of Participants	64
Objective:	<ol style="list-style-type: none"> <li>1. Understand the processes of how to make DST</li> <li>2. To know the different software that can be utilized to make DST</li> <li>3. To understand how to write story for DST</li> </ol>
Summary of the proceedings	The Department of Sociology organized a guest lecture on 'The How of Making A DST' by Ms. Jessica Ewert, Sociology/ Health and Social care Teacher at Kantor King Solomon high school, United Kingdoms. It was held 28 <sup>th</sup> October 2020. Total of 64 students attended the session through online mode. A total of 65 students were present for the session.

**Photographs**



**PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS) - GOGOL, MARGAO-GOA  
DEPARTMENT OF ENGLISH**

<b>REPORT OF ' Drafting With the Intent to Publish' with Arpita Das' (15 hour Certificate Course)</b>	
<b>Title:</b>	<b>Drafting With the Intent to Publish' with Arpita Das'</b>
<b>Date and year:</b>	05 APRIL 2021 – online session
<b>Venue:</b>	ONLINE
<b>Resource person/s:</b>	Arpita Das – Yoda Press Publisher
<b>Organising Committee</b>	DEPT OF ENGLISH, Asst. Prof. Delilah Pacheco
<b>No. of Participants</b>	36 participants
<b>Objective:</b>	To give students hands-on experience in publishing their works
<b>Summary of the proceedings</b>	The 15 hour certificate course was organized with Yoda Press founder and publisher Ms. Arpita Das to give students the know how in publishing works that they write. This was in continuation of our previous certificate course in Creative Writing. The online session was part of the 15 hour interactive certificate course managed through our LMS.

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**Photographs**

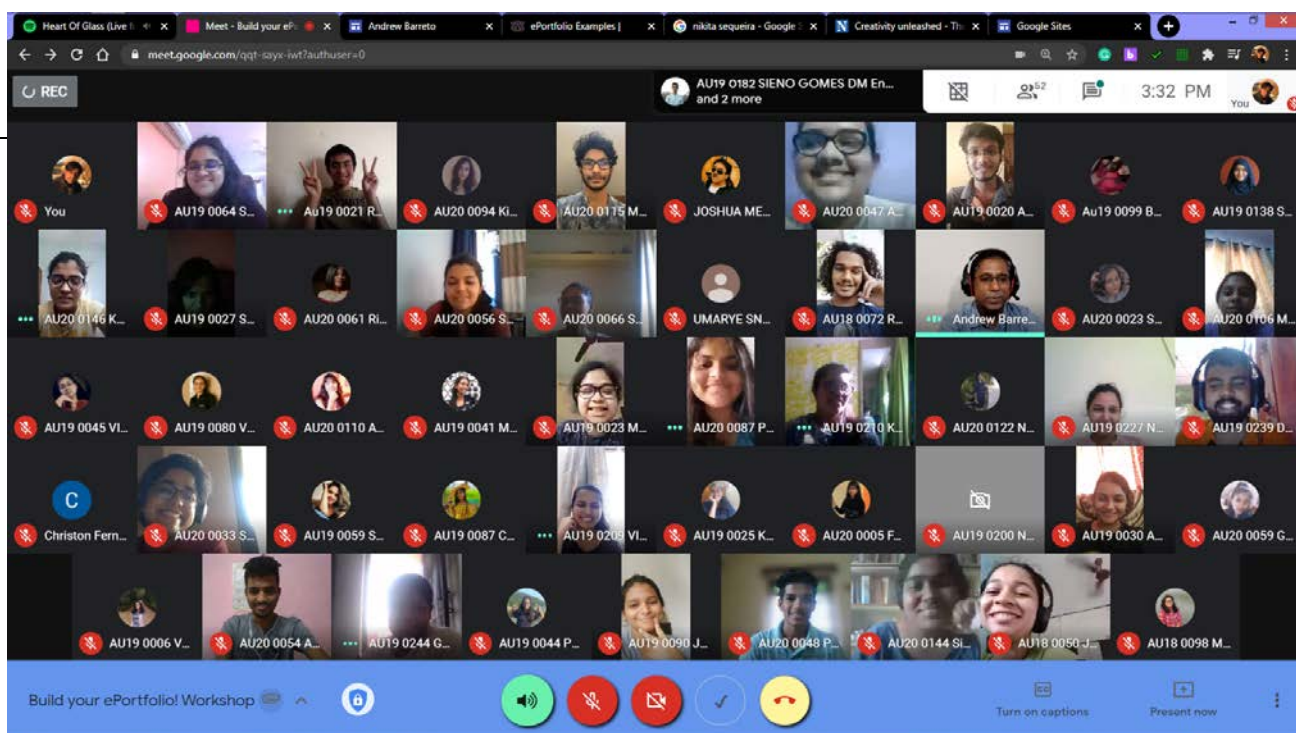


**PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS) - GOGOL, MARGAO-GOA  
DEPARTMENT OF ENGLISH**

**REPORT OF ' BUILD YOUR EPORTFOLIO'**

<b>Title:</b>	<b>BUILD YOUR EPORTFOLIO</b>
<b>Date and year:</b>	05 NOVEMBER 2020, THURSDAY
<b>Venue:</b>	ONLINE
<b>Resource person/s:</b>	ASST. PROF. ANDREW BARRETO
<b>Organising Committee</b>	DEPT OF ENGLISH
<b>No. of Participants</b>	51 students approx..
<b>Objective:</b>	To give students hands-on experience in creating their own ePortfolio To look at exemplars of ePortfolios
<b>Summary of the proceedings</b>	The 2 and a half hour online workshop was conducted by Asst. Prof. Andrew Barreto for students of PCCAS on 05 November 2020 on the online platform Google Meet. Students were taught how to create their own ePortfolios, and shown exemplars of ePortfolios. Students clarified their doubts and showcased some of their own rudimentary ePortfolios.

**Photographs**





Parvatibai Chowgule College of Arts and Science  
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# Build your ePortfolio

Introductory workshop to building your  
ePortfolio

Learn what it is, where to build one,  
and get started on your own ePortfolio!

THURSDAY, NOVEMBER 05, 2020 | 3.30 - 4.30PM  
ONLINE- WHERE ELSE?? MEET LINK BELOW!

<https://meet.google.com/qqt-sayx-iwt>

Facilitator:  
Asst. Prof.  
Andrew  
Barreto

Dept. of English  
With  
CTL



DRU MMXX

**PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE**

**(AUTONOMOUS) –GOGOL, MARGAO-GOA**

**DEPARTMENT OF ENGLISH**

**(Highlight the appropriate: Workshop/ ~~Conference~~/ ~~Seminar~~/ ~~Industry Academia~~/ Extension activity)**

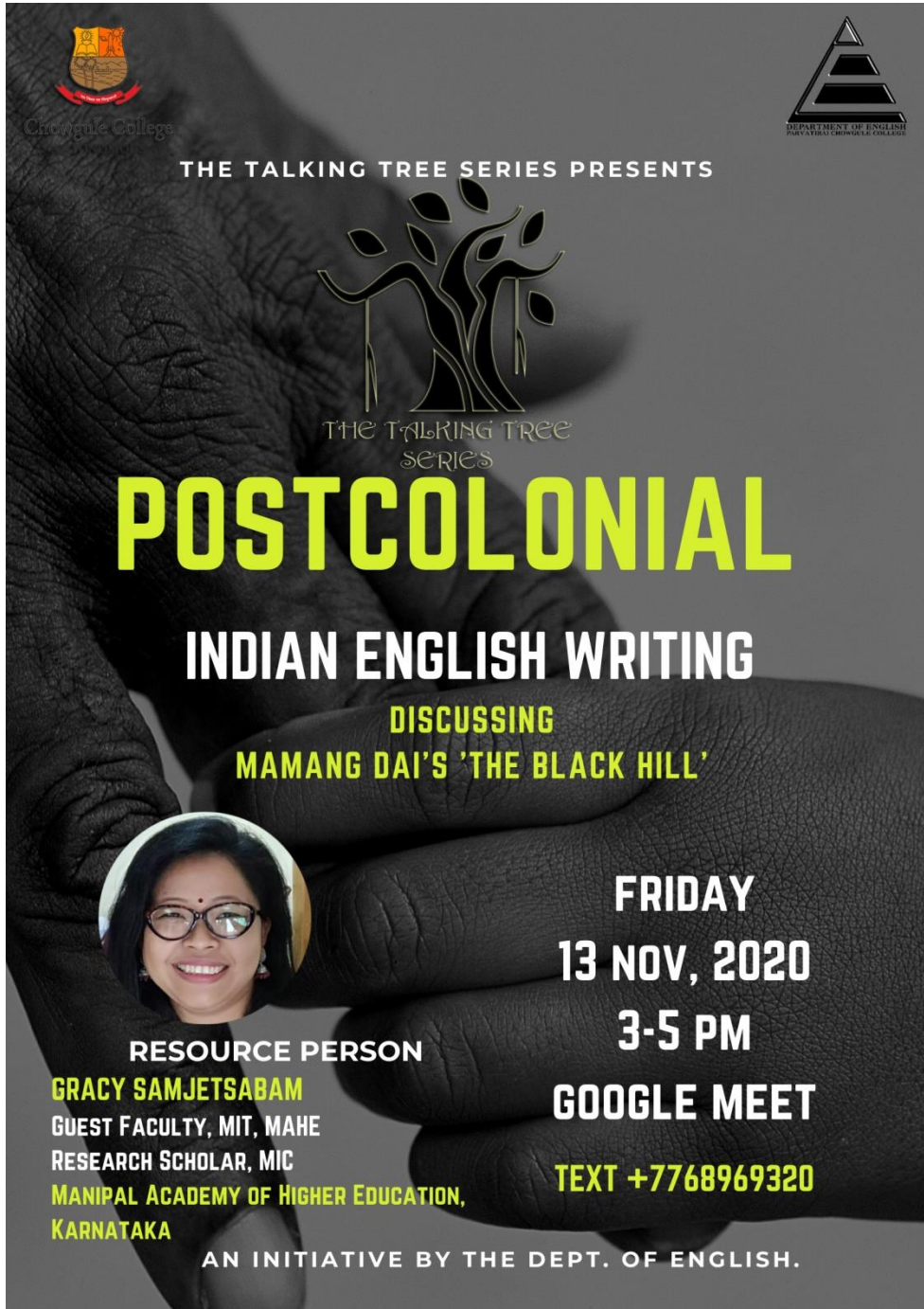
**(Highlight the appropriate for Community outreach: Social service in terms of impact and sensitizing students to social issues of gender/ hygiene/ nutrition/ domestic violence/ environment/ community assistance etc)**


<b>REPORT OF ‘Postcolonial Indian English Writing: Discussing Mamang Dai’s <i>The Black Hill</i>’ by Gracy Samjetsabam’</b>	
<b>Title</b>	‘Postcolonial Indian English Writing: Discussing Mamang Dai’s <i>The Black Hill</i> ’ by Gracy Samjetsabam.
<b>Date and year:</b>	13 Nov 2020
<b>Venue:</b>	Off-campus and Google Meet
<b>Resource person/s:</b>	Gracy Samjetsabam, (Guest faculty, Manipal Institute of Technology and a Research Scholar at MIC, Manipal Academy of Higher Education, Karnataka)
<b>Organising Committee</b>	Ms. Delilah Pacheco (Asst. Professor, Dept. of English)
<b>No. of Participants</b>	38 participants
<b>Objective:</b>	1. Offer students the opportunity of interacting with the guests in close quarters 2. To foster an understanding of the process and source of literature production
<b>Summary of the proceedings</b>	<p>On 13 Nov 2020 at 3 pm, the Department of English organised a Talking Tree Series lecture on ‘Postcolonial Indian English Writing: Discussing Mamang Dai’s <i>The Black Hill</i>’ by Gracy Samjetsabam.</p> <p>Gracy Samjetsabam, is a guest faculty at Manipal Institute of Technology and a Research Scholar at MIC, Manipal Academy of Higher Education, Karnataka. The lecture was conducted online and was attended by 38 participants. Of these 34 were students from the Undergraduate and Postgraduate courses, and 04 were faculty from the college. The lecture lasted 2 hours and ended with a question and answer session with the guest about North Eastern literature. The speaker addressed the definition of Indian</p>




Postcolonial literature, the women writing from the North East and explained certain excerpts from Mamang Dai's *The Black Hill*. Faculty coordinator: Assistant Professor Delilah Pacheco.


### Photographs



 Chowgule College

 DEPARTMENT OF ENGLISH  
POWATILU CHOWGULE COLLEGE


THE TALKING TREE SERIES PRESENTS

 THE TALKING TREE  
SERIES

# POSTCOLONIAL

## INDIAN ENGLISH WRITING

DISCUSSING  
MAMANG DAI'S 'THE BLACK HILL'



RESOURCE PERSON  
**GRACY SAMJETSABAM**  
GUEST FACULTY, MIT, MAHE  
RESEARCH SCHOLAR, MIC  
MANIPAL ACADEMY OF HIGHER EDUCATION,  
KARNATAKA

FRIDAY  
13 NOV, 2020  
3-5 PM  
GOOGLE MEET  
TEXT +7768969320

AN INITIATIVE BY THE DEPT. OF ENGLISH.



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## **Report: Institution Innovation Council**

<b>Report of 'Orientation on National Innovation and Startup Policy'</b>	
<b>Title:</b>	<b>Orientation on 'National Innovation and Startup Policy'</b>
<b>Date and year:</b>	23 <sup>rd</sup> December 2021
<b>Venue:</b>	Online webinar
<b>Resource person/s:</b>	Ms. Madhavi M. Motankar
<b>Organizing Committee</b>	Institution Innovation Council
<b>No. of Participants</b>	80
<b>Objective:</b>	<ol style="list-style-type: none"><li>1. To motivate students towards innovation and entrepreneurship which in turn leads to value creation and job creation.</li><li>2. To enlighten about the Innovation and Entrepreneurial opportunities under NISP on campus.</li><li>3. To infuse technology-enabled real-world problem-solving skills into the education system through collaboration between industry and academia.</li><li>4. To assist and nurture start-ups by students.</li></ol>
<b>Summary of the proceedings</b>	<p>As a part of the Institute's Innovation Council activity under the theme of Innovation towards the Thrust area – Validation &amp; Concept Development, Quarter 2-11, an Orientation Session on National Innovation and Start-up Policy was conducted on 23<sup>rd</sup> December 2020 from 2:30pm onwards.</p> <p>The Orientation session was organized through Google meet link (<a href="https://meet.google.com/mfm-jivx-pyd">meet.google.com/mfm-jivx-pyd</a>) for students and faculty in Online mode wherein most of the participants benefited from the presentation covering major highlights of National Innovation and Start-up Policy which is important for faculty and students and were also enlightened about the Innovation and Entrepreneurial opportunities under NISP on campus or nearby Incubation Centre in collaboration with the parent institute.</p> <p>Overall, it was a resourceful and an interactive session!</p>

## Photographs



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12 January · 🌐

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As a part of the Institute's Innovation Council activity under the theme of Innovation towards the Thrust area – Validation and Concept Development, Quarter 2-11, an Orientation Session on National Innovation and Start-up Policy was conducted by Ms. Madhavi M. Motankar, Assistant Professor in the Department on Biotechnology.



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INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

## WEBINAR ON

### "Orientation Session on National Innovation and Start-up Policy "

By Ms. Madhavi M Motankar

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**REPORT OF WEBINAR- "HOW TO READ SCIENTIFIC LITERATURE"**

<b>WEBINAR - "TRAINING AND AWARENESS ON PROJECT MANAV-THE HUMAN ATLAS INITIATIVE"</b>	
Title:	Webinar on 'MANAV- The Human Atlas Initiative Topic-"How to Read Scientific Literature"
Date and year:	21st December 2020
Resource person	Dr. Anupama Harshal W. IISER, Pune.
Organised by	Dr Nandini Vaz Fernandes, Dean-Faculty of Life Sciences
No. of Participants	100
Objective	To focus on "How to Read Scientific Literature" aimed at highlighting the importance of ethical and scientific information websites, to be used by students for streamlining quality information and validity.
Summary of the proceedings	<p>Dr. Nandini Vaz Fernandes, Dean-Faculty of Life Sciences organised a webinar on 'MANAV- The Human Atlas Initiative" of Department of Biotechnology of Ministry of Science and Technology, Govt. of India.</p> <p>The webinar was held on 21st December 2020 for students and teachers of faculty of Life Sciences. The webinar was conducted by Team MANAV-The Human Atlas Initiative of IISER, Pune.</p> <p>The webinar focussed on "How to Read Scientific Literature" aimed at highlighting the importance of ethical and scientific information websites, to be used by students for streamlining quality information and validity. Using research papers from prominent websites like PubMed, rather than Wikipedia ensures authentic information especially for young students. This webinar was followed by 2 quizzes, to test knowledge of the students on the same.</p>

## Photographs



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## WEBINAR - "TRAINING AND AWARENESS ON PROJECT MANAV-THE HUMAN ATLAS INITIATIVE"

### HOW TO READ SCIENTIFIC LITERATURE & Introduction to MANAV-The Human Atlas Initiative.



Session By

**DR. ANUPMA HARSHAL W.**

CONSULTANT

(Science Communication and Public Engagement)

Manav-Human Atlas Initiative, IISER, Pune on

**21<sup>st</sup> December 2020**

**Time: 10.00am**

### FOR REGISTRATION -

<https://forms.gle/EisJ9S8AYzcebSs18>

Organized by

**DR. NANDINI VAZ FERNANDES,**

Dean- Faculty of Life Sciences

Platform: ZOOM

Target audience - Students/teachers of Faculty of Life Sciences

All participants will receive a downloadable certificate on successful completion of two ONLINE TESTS.

- (1) English Proficiency Test
- (2) Post Webinar Questionnaire



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**REPORT OF PRERNA DIWAS-NATIONAL SCIENCE CELEBRATION DAY 2021**  
**FACULTY OF LIFE SCIENCES**

REPORT OF WEBINAR- TISSUE ENGINEERING	
<b>Title:</b>	<b>WEBINAR- TISSUE ENGINEERING (NATIONAL SCIENCE DAY 2021)</b>
<b>Date and year:</b>	27 <sup>th</sup> February 2021
<b>Venue:</b>	Online
<b>Events</b>	
<b>Objective:</b>	<ol style="list-style-type: none"><li>1. To spread the message of importance of Science and promote scientific temper.</li><li>2. To introduce and enhance students' knowledge on tissue engineering.</li></ol>
<b>Target Audience/ Beneficiaries</b>	<ol style="list-style-type: none"><li>1) Students of Faculty of Life Sciences (Botany, Biochemistry, Biotechnology and Zoology)</li><li>2) Faculty members</li></ol>
<b>Summary of Events:</b>	<p>As part of the 'Prerna Diwas'- National Science Day celebration, , the Dean- Faculty of Life Sciences, in collaboration with the HODs and Faculty members of all Life Science departments organised various activities. E- poster competitions such as Discovery Galley-Pride of India, Innovation Idea Competition, Scientoons, photography competition and quiz were held for the students of the life science departments with an objective to spread the message of importance of science and promote scientific temper.</p> <p>To mark the celebration of National Science day, a webinar was organized for the faculty and students of Life Science Departments on the topic "Tissue Engineering" on 27<sup>th</sup> Feb 2021.</p> <p>Resource Person: Dr. S.R. Madhan Shankar Participants: 100</p> <p>The webinar was inaugurated by the offg. Principal Dr. Shaila Ghanti. The participants were then briefed by the Dean for Life Sciences, Dr. Nandini Vaz Fernandes.</p> <p>The event was coordinated by Ms. Tessa and Ms. Prasanna, Assistant professors of the department of Zoology. Ms. Madhu Nalekai introduced the Speaker. The technical session was conducted by Dr. S.R. Madhan</p>

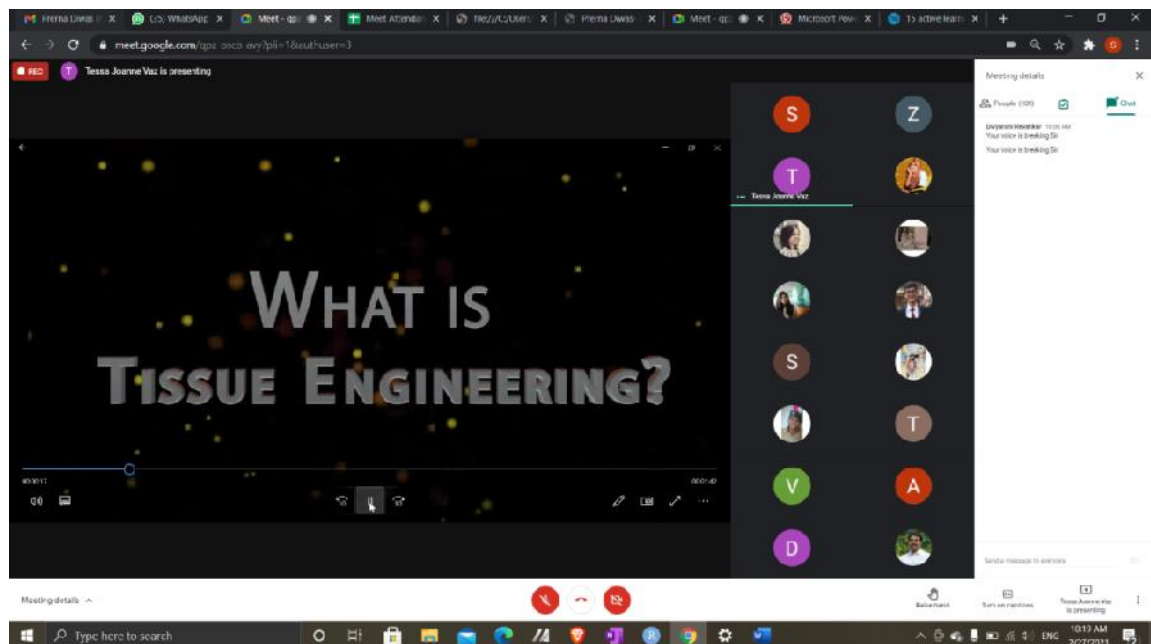
Shankar, who spoke on various aspects and prospects of Tissue engineering. The session also included a short video on tissue engineering. The webinar was followed by Announcement of Prize winners by the event coordinators of the 04 competitions that were organized for all the students of faculty of Life sciences.

The programme concluded with vote of thanks proposed by Ms. Sarah Mesquita, In-Charge of Department of Biochemistry.

### Photographs



Dr. Nandini Vaz Fernandes, Dean- Faculty of Life Sciences addressing the participants



Session by Resource Person Dr. S.R. Madhan Shankar







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**REPORT OF SCIENCE LECTURE SERIES AND TRAININGS- SCIENCE SETHU  
PROGRAMME**

<b>SCIENCE LECTURE SERIES AND TRAININGS- SCIENCE SETHU PROGRAMME</b>	
Title:	Science Sethu Programme'
Date and year:	15 <sup>th</sup> March- 6 <sup>th</sup> July 2021
Coordinator	Dr. Nandini Vaz Fernandes
Organising Committee	International Centre For Genetic Engineering and Biotechnology (ICGEB).
No. of Participants	100
Summary of the proceedings	<p>Parvatibai Chowgule College is selected by DBT, Govt. of India, under 'Science Sethu Programme' to be mentored by International Centre For Genetic Engineering and Biotechnology (ICGEB), New Dehli. This programme is coordinated by Dr. Nandini Vaz Fernandes, Dean-Faculty of Lifesciences and College Coordinator of 'DBT Star College Scheme'. Science Setu programme was launched by MST Govt. of India in 2014 as a measure to address the problem of paucity of teaching resources in higher education leading to a lack of connectivity between academic scholarship and teaching.</p> <p>Under this programme ICGEB, New Dehli organized the following events which were attended by faculty and students of science departments of Chowgule College:</p> <ol style="list-style-type: none"><li>1) Introductory lecture 1: 'International Centre for Genetic Engineering and Biotechnology' on 15<sup>th</sup> March 2021, delivered by the Honorable Director of ICGEB, Dr. Dinakar M. Salunke.</li><li>2) Session 2: "Visualising Biology" - on 22nd April, 2021 delivered by Dr. Neel Sarovar Bhavesh, Group Leader in Transcriptional Regulation Group, ICGEB.</li></ol>



3) Session 3: “Molecular Farming for Biofuel and Drug Using Photosynthetic Organisms” on 21st May, 2021 delivered by Dr. Shashi Kumar, Group Leader in Metabolic Engineering Group, ICGEB.

4) Session 4: “How our immune system responds to infections?” on 4th June, 2021 delivered by Dr. Dhiraj Kumar, Group Leader at Cellular Immunology Group, ICGEB.

5) Session 5: “A biologist’s view towards the utility of artificial intelligence-based approaches to combat COVID-19 pandemic” on 6th July, 2021 delivered by Dr. Arun Sharma, Senior Information Scientist at DBT Apex BTIC, ICGEB, New Delhi.

### PHOTOGRAPHS



**PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS) - GOGOL, MARGAO-GOA  
DEPARTMENT OF ENGLISH**

<b>REPORT OF ' Drafting With the Intent to Publish' with Arpita Das' (15 hour Certificate Course)</b>	
<b>Title:</b>	<b>Drafting With the Intent to Publish' with Arpita Das'</b>
<b>Date and year:</b>	05 APRIL 2021 – online session
<b>Venue:</b>	ONLINE
<b>Resource person/s:</b>	Arpita Das – Yoda Press Publisher
<b>Organising Committee</b>	DEPT OF ENGLISH, Asst. Prof. Delilah Pacheco
<b>No. of Participants</b>	36 participants
<b>Objective:</b>	To give students hands-on experience in publishing their works
<b>Summary of the proceedings</b>	The 15 hour certificate course was organized with Yoda Press founder and publisher Ms. Arpita Das to give students the know how in publishing works that they write. This was in continuation of our previous certificate course in Creative Writing. The online session was part of the 15 hour interactive certificate course managed through our LMS.



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**Photographs**



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<u>REPORT OF INTERCOLLEGIATE E-SOCIUS</u>	
Title:	E-Socius 2021
Date and year:	12 April 2021
Venue:	Online (GoogleMeet)
Organising Committee	Department of Sociology
No. of Participants	30
Objective:	<ol style="list-style-type: none"> <li>1. Help students to discover and appreciate sociological theories.</li> <li>2. Unleash the hidden talents of the students.</li> <li>3. Foster Sister/brotherhood among the Students</li> </ol>
Summary of the proceedings	<p><a href="https://drive.google.com/file/d/1AyRtVsY1ka4d_1bVqWWbg7fQY3vh9TjA/view">https://drive.google.com/file/d/1AyRtVsY1ka4d_1bVqWWbg7fQY3vh9TjA/view</a></p> <p>The Department of Sociology of Parvatibai Chowgule College organized intercollegiate E-Socius 2021. It was held on 12 April 2021 through online mode from 10.00 AM onwards, two colleges participated for the event Mallikarjun college Canacona and MES college Vasco. This event had three competitions 1. Theory behind the picture 2. Story behind the picture 3. Poster presentation. Over all 15 students had participated along with the students of our college.</p>
<b>Photographs</b>	
	
	

**PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS) - GOGOL, MARGAO-GOA  
DEPARTMENT OF ENGLISH**

<b>REPORT OF ‘ The Talking Tree Series: Creators &amp; Comics: Behind the scenes with Comixense with Orijit Sen &amp; Francesca Cotta (Editors -Comixense), Mohd Salman (Author), Rai (Artist)’</b>	
<b>Title:</b>	<b>The Talking Tree Series: Creators &amp; Comics: Behind the scenes with Comixense</b>
<b>Date and year:</b>	20 June 2021
<b>Venue:</b>	ONLINE
<b>Resource person/s:</b>	<b>Orijit Sen &amp; Francesca Cotta (Editors -Comixense), Mohd Salman (Author), Rai (Artist)</b>
<b>Organising Committee</b>	DEPT OF ENGLISH, Asst. Prof. Delilah Pacheco
<b>No. of Participants</b>	25 students + 2 Faculty
<b>Objective:</b>	To give students a look behind how ComixSense a comics Magazine runs and the creative work of creating a comic
<b>Summary of the proceedings</b>	The 2 hour interactive session with the editors and artists of ComixSense India’s first Comics Magazine was organized by Asst. Prof. Delilah Pacheco. The resource persons had an indepth discussion with students of Visual Literature and others who were interested in the creation of comics.
<b>Photographs</b>	



Classes x Updated invitation: 'Creators & Comics: Behind the Scenes with Comix...' x Parvatibai Chowgule College of Arts & Commerce x Meet - 'Creators & Comics: Behind the Scenes with Comix...' x legendarium - Google Search x

meet.google.com/fff-pcpx-vvb?authuser=0

REC



Orijit Sen

3:15 PM | 'Creators & Comics: Behind the Scenes with Comix...'

In-call messages

You 3:12 PM  
yes we can hear you

AP19 3103 Luis Carlos MA Eng 3:12 PM  
yes audible

You 3:12 PM  
does the artist also have drafts?  
like how a writer would have?  
in terms of use of colour/ etc

You 3:13 PM  
yesss. framing!

AU19 0041 MEGAN EMILIA MARTINS SM English 3:14 PM  
how do you decide what you want a character to look like?

You 3:16 PM  
absolutely!! the art of collaboration is a little unique in comics creation...


AU20 0066 SARAH LOBO DM Eng Hist 3:17 PM  
ouuu, yea giving everybody their moment

Send a message to everyone

Classes x Search results - asb002@chow... x Meet - 'Creators & Comics: Behind the Scenes with Comix...' x legendarium - Google Search x Halant eReader x daniel clowes - Google Search x

meet.google.com/fff-pcpx-vvb?authuser=0

REC



Deblina Dasgupta

Mohd Salman

rai

Orijit Sen

Francesca Gotta

AP19 3103 Luis Carlos MA Eng

Andrew Barreto

AU19 0041 MEGAN EMILIA MARTINS SM English

AU19 0021 RYLE FAUSTINO SM English

AU20 0055 LENZIE REBELO SM English

AU20 0021 Gautami Devid SM English

AU20 0059 GERIANNE GEORGE SM English

AU20 0053 SHANIA MARIA SM English

AU20 0033 SMRITI TAMAN SM English

AU19 0059 SNEHA KINI SM English

AU18 0059 Mithila Sinhal Talwar SM English

SU20 0026 Shreyya Rao SM English

AU19 0045 VINIKA VISH D SM English

AU20 0066 SARAH LOBO DM Eng Hist

AU20 0144 Simone Cavassani SM English

S. C. JASHMI

AU20 0061 Ritael Rebello SM Eng

AU19 0010 KASHISH MEHTA SM ENG

AU19 0025 Kanaka Dasa SM English

AU18 0076 Rukma Kanolkar DM Eng Hindi

Nidhi S. Kamat

Chat with everyone

5:04 PM | 'Creators & Comics: Behind the Scenes with Comix...'



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**REPORT: CERTIFICATE COURSE**


**DATA COMPUTATION IN APPLIED BIOLOGICAL SCIENCES USING  
R-STUDIO.**

<b>Certificate Course in Data Computation in Applied Biological Sciences using R-STUDIO.</b>	
<b>Title:</b>	Data Computation in Applied Biological Sciences using R-STUDIO.
<b>Date and year:</b>	10 <sup>th</sup> February 2021 to 3 <sup>rd</sup> April 2021
<b>Organised by</b>	Dean- Faculty of Life Sciences.
<b>Resource person:</b>	Asst. Prof. Stephen Dias
<b>No. of Participants</b>	31
<b>Objective:</b>	To provide the students with skills and knowledge of statistical analysis commonly used in biological studies with the aid of statistical software.
<b>Unit/s</b>	<b>Course Syllabus</b>
Unit 1: Introduction to R and R Studio	<ul style="list-style-type: none"><li>• Differences between R and R studio</li><li>• R studio work environment</li><li>• R as a calculator (BODMAS in R)</li><li>• Rounding numbers</li><li>• Relationship between R and excel Aspects of simple calculations</li><li>• Objects, variables, functions</li><li>• Packages in R</li><li>• Vocabulary and Grammar</li><li>• Importing and viewing data in R</li></ul>
Unit 2: Advanced statistics in biology	<ul style="list-style-type: none"><li>• Categorical and continuous data</li><li>• Generalised linear modelling</li><li>• Normalising data</li><li>• ANOVA-analysis</li><li>• Construction of plots (scatter, sunflower, histograms)</li><li>• P-values and their significance</li><li>• Multimodal hypothesis testing using AIC.</li></ul>
Unit 3: Project based activity	<ul style="list-style-type: none"><li>• Activities based on statistical techniques learnt</li><li>• Data Computation</li><li>• Process based Portfolio of learning with data analysis report.</li></ul>
Progress interactions	<ul style="list-style-type: none"><li>• Periodic feedback interactions</li></ul>

## LIST OF STUDENTS

Sr. No.	Name	Roll Number
1	Muriel R. Fernandes	SU180083
2	Natasha Fernandes	SU180273
3	Renisha Fernandes	SU180042
4	Abigail Celina Sacrafamilia	SU180051
5	Shanaya Gail Mascarehnhas	SU180096
6	Megan D'mello	SU180153
7	Caren Noronha	SU180090
8	Twinkle V.A. Carvalho	SU180189
9	Ferzeen Shaikh	SU180107
10	Rochelle Fernandes	SU180056
11	Eleanor Faleiro	SU180055
12	Shaina Alvares	SU180273
13	Zuha Fatima Bi	SU180091
14	Delailah S. Dias	SU180226
15	Dipti Singh	SU180251
16	Kruttika Jan	SU190191
17	Radha Santosh Shirsat	SU190059
18	Anusha Raut	SU190064
19	Ceejal Pinto	SU190068
20	Sarha Khan	SU190114
21	Tahoora Shaikh	SU190287
22	Shanaya Phaldesai	SU190260
23	Yohan Rodrigues	SU190072
24	Vineet Nerurkar	SU190298
25	Shruti Kale	SU190003
26	Akshay Prabhu Velgunkar	SU190284
27	Elton Fernandes	SU180360
28	Cristopher Fernandes	SU180270
29	Krishnkant V. Naik	SU180332
30	Pritam Gaonkar	SU190268
31	Faizah Salam Khan	SU190196

## POSTER




**Parvatibai Chowgule College of Arts and Science**  
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**CERTIFICATE COURSES IN DATA COMPUTATION**


**Data  
Computation in  
Applied  
Biological  
Sciences using**

**GRAPH PAD  
PRISM**



**Data  
Computation in  
Applied  
Biological  
Sciences using**


**R-STUDIO**



**Course Objective:**  
To provide the students with skills and knowledge of statistical analysis used in biological studies with the aid of statistical softwares.


**Course Details:**  
Duration: 120 hours (Each course)  
Online component: 10<sup>th</sup> February to 13<sup>th</sup> February 2021.  
Offline component and interactions: 14<sup>th</sup> Feb to 20<sup>th</sup> March 2021

**For registration:**  
Log on to: <https://forms.gle/WwqTfLZrvzd3d3329>




**Organized by Dr. Nandini Vaz Fernandes- Dean-Faculty of Life Sciences**


## CERTIFICATE




**Parvatibai Chowgule College of Arts & Science (Autonomous)**  
Accredited by NAAC with Grade A<sup>+</sup> (CGPA of 3.41 on a 4 point scale)  
Best Affiliated College-Goa University Silver Jubilee Year Award

This is to certify that **Mr./Ms. SHAINA ALVARES** has successfully completed 120 hours equivalent certificate course on "Data Computation in Applied Biological Sciences using R-Studio" organised by the Dean, Faculty of Life Sciences of Parvatibai Chowgule College of Arts & Science (Autonomous) held from 10<sup>th</sup> February 2021 to 3<sup>rd</sup> April 2021. The participant has been trained in hypothesis testing, construction of plots, generalised linear modelling, and multimodel hypothesis testing.

  
**Dr. Nandini Vaz Fernandes**  
Dean, Faculty of Life Sciences  
Parvatibai Chowgule College

  
**Mr. Stephen Jonah Dias**  
Course Co-ordinator  
Parvatibai Chowgule College

  
**Dr. Shaila Ghanti**  
Offg. Principal  
Parvatibai Chowgule College

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**REPORT: CERTIFICATE COURSE**

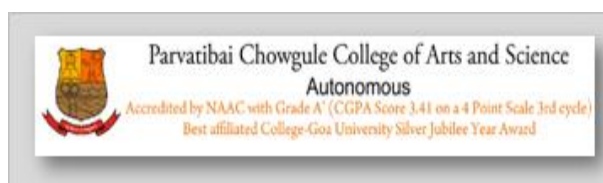
**DATA COMPUTATION IN APPLIED BIOLOGICAL SCIENCES USING  
GRAPHPAD PRISM**

<b>Certificate Course in Data Computation in Applied Biological Sciences using Graphpad Prism</b>	
<b>Title:</b>	Data Computation in Applied Biological Sciences using Graphpad Prism
<b>Date and year:</b>	10 <sup>th</sup> February 2021 to 3 <sup>rd</sup> April 2021
<b>Organised by</b>	Dean- Faculty of Life Sciences.
<b>Resource person:</b>	Asst. Prof. Hashma Mujawar Asst. Prof. Dr. Starlaine Mascarenhas
<b>No. of Participants</b>	15
<b>Objective:</b>	To provide the students with knowledge of statistical analysis commonly used in biological studies with the aid of statistical software
<b>Unit/s</b>	<b>Course Syllabus</b>
Unit 1: Introduction to GraphPad Prism	<ul style="list-style-type: none"><li>• Introduction to the software</li><li>• Spreadsheet-type data entry form</li><li>• Importing and editing data from excel</li><li>• Interactive user interface</li></ul>
Unit 2: Types of data	<ul style="list-style-type: none"><li>• Data collection</li><li>• Categorical data</li><li>• Continuous data</li></ul>
Unit 3: Univariate analysis	<ul style="list-style-type: none"><li>• One sample test (t-test)</li><li>• Paired and unpaired t- test ANOVA</li><li>• Correlation and Regression matrix</li></ul>
Unit 4: Data representation and interpretation	<ul style="list-style-type: none"><li>• Graph /plots --line plots, scatter plots; 3D scatter; histogram, box, bar plots.</li><li>• Activities based on statistical techniques learnt throughout the duration of this course. Steps:<ol style="list-style-type: none"><li>1. Define your study area</li><li>2. Set clear measurement priorities</li><li>3. Collect data</li><li>4. Analyse data using the statistical techniques learnt</li><li>5. Interpret and discuss results</li><li>6. Conclusion</li></ol></li></ul>

## LIST OF STUDENTS

Sr. No.	Name	Roll Number
1	Shreya SubhashNaik	SU180370
2	Anouska Mascarenhas	SU180262
3	Jessica Florinda Furtado	SU180114
4	Antara Poi Raiturker	SU180039
5	Shreya Pai	SU180187
6	Valerie Effie Gracias	SU180188
7	Reema Monteiro	SU180072
8	Rizell Gwen Barretto	SU180044
9	Kendrick Fernandes	SU180190
10	RushadRajanNaik	SU180049
11	ShanayaLianneAntao	SU190336
12	Giselle Fernandes	SU190065
13	Maria S. B. Da Costa	SU180283
14	Ashnoor Kaur Soni	SU190372
15	Shreya Suresh Moraskar	SU190293

## POSTER



### CERTIFICATE COURSES IN DATA COMPUTATION



#### Course Objective:

To provide the students with skills and knowledge of statistical analysis used in biological studies with the aid of statistical softwares.

#### Course Details:

Duration: 120 hours (Each course)

Online component: 10<sup>th</sup> February to 13<sup>th</sup> February 2021.

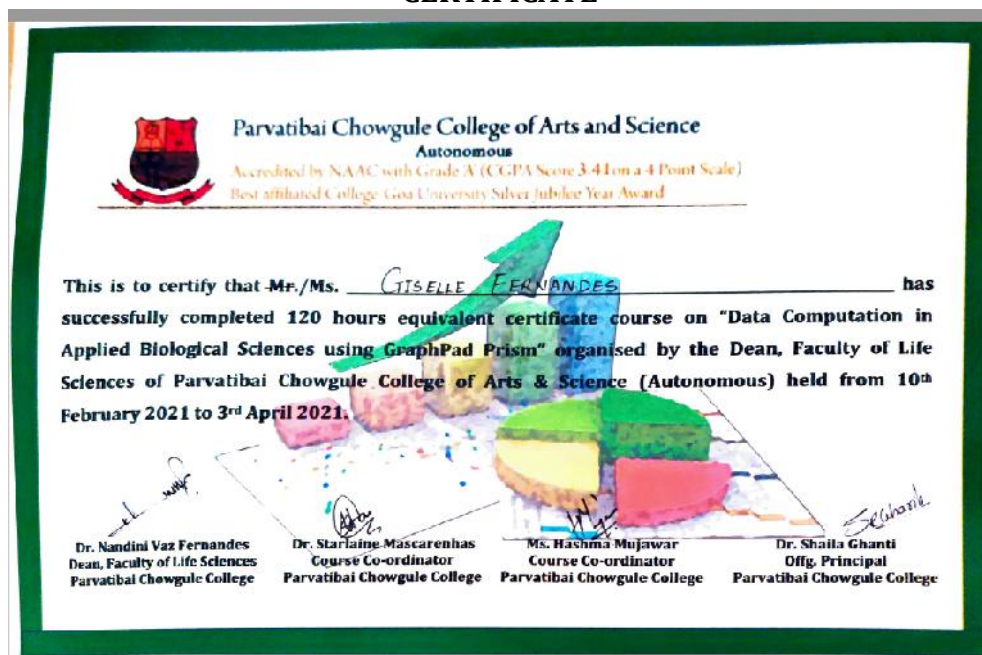
Offline component and interactions: 14<sup>th</sup> Feb to 20<sup>th</sup> March 2021

#### For registration:

Log on to: <https://forms.gle/WwqTfLZrvzd3d3329>

Organized by Dr. Nandini Vaz Fernandes- Dean-Faculty of Life Sciences

## CERTIFICATE



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**PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
REPORT: FACULTY DEVELOPMENT PROGRAM  
BY IQAC- PCCAS**

<b>FACULTY DEVELOPMENT PROGRAM</b>	
<b>Title:</b>	<b>RESEARCH BASED LEARNING ( RBL)</b>
<b>Date and year:</b>	9 <sup>th</sup> August 2021
<b>Venue:</b>	Auditorium
<b>Organised by</b>	Internal Quality Assurance Cell (IQAC) of Partvitibai Chowgule college.
<b>Resource person:</b>	Prof. Nandkumar Sawant Dr. Nandini Vaz Fernandes
<b>No. of Participants</b>	17
<b>Objective:</b>	learning the epistemologies and forms of discipline-based inquiry, Learn certain methods of teaching- Learning practiced and tested over a period of time.
<b>Summary of the proceedings</b>	<p>The FDP was organized by the Internal Quality Assurance Cell (IQAC) of Partvitibai Chowgule college on 09<sup>th</sup> August 2021. The workshop was organised for the faculty who are newly appointed in the last five years teaching undergraduate and Post graduate courses in Parvatibai Chowgule College, with an aim to empower them with hands on experience of research based pedagogies of teaching-learning-evaluation.</p> <p>The workshop was inaugurated by the Offg. Principal Dr. Shaila Ghanti, who spoke on the importance of this workshop. This was followed by the technical sessions and the hands on activity.</p> <p><b>Session 1: Prof. Nandkumar Sawant</b> Topic: Goals and requirements of higher education. Why teacher needs to be compatible.</p> <p>Prof. Nandkumar Sawant, spoke on the need to relook at the teching-learning-evaluation processes at higher education. He outlined that we as teachers of higher edication institutions need to set a benchmark and integrate blooms taxonomy and focus on enhancing skills and abilities of the students.</p>

## **Session II : Prof. Nandkumar Sawant**

Topic: Assignment writing

In the second session Prof. Nandkumar Sawant, gave a detailed explanation on the structure and process of assignment writing and how it can be integrated with research based assignments as component of assignment. He sighted examples in faculty of languages and social sciences, as to how research based assignments can be carried out with a well planned productive outcome which can even be published as a finding. This requires a systematic process to be followed which was explained to the participants.

## **Session III : Dr. Nandini Vaz Fernandes**

Topic: Problem Based Learning

Dr. Nandini Vaz Fernandes spoke on Problem based learning as research based learning pedagogy. Problem-based learning (PBL) is a student-centered approach of T-L-E process in which students learn about a subject by working in groups to solve an open-ended or real world problem. Her session focussed on:

- What is Problem Based Learning
- Preparing for PBL based learning
  - Teachers
  - Students
- Process of PBL
- Role of students
- Role of teacher

She laid emphasis on the preparations and skills required to execute problem based learning effectively. She gave an insight into how to orient students, how to prepare for executing PBL in class, and how to frame a good PBL activity.

## **Session 4: Hands on and group sharing**

The technical sessions were followed by hands on activity on research based learning. The participants were provided with a handout describing the process to be followed and information on Blooms taxonomy.



## Photographs:





**OFFG. PRINCIPAL DR. SHAILA GHANTI  
EXPLAINING THE RATIONALE OF THE FDP  
*FDP-RESEARCH BASED LEARNING***

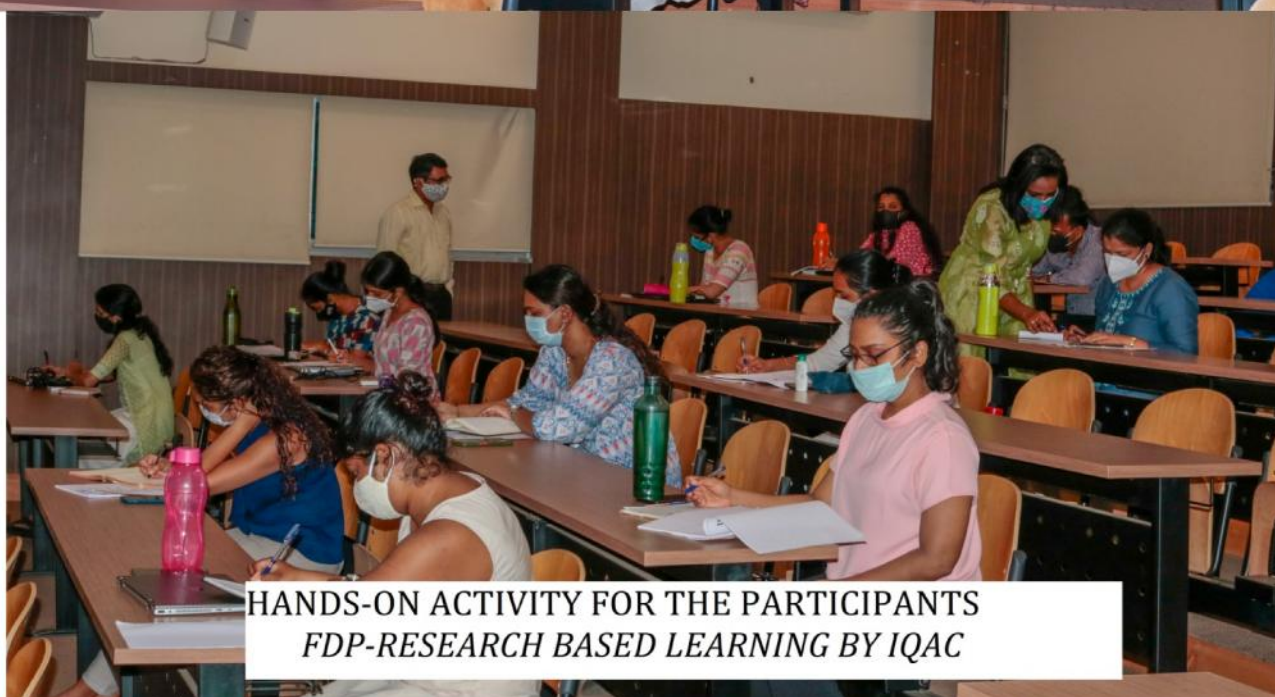


**PROF. NANDKUMAR SAWANT ADDRESSING THE PARTICIPANTS  
*FDP-RESEARCH BASED LEARNING***





RESOURCE PERSON: DR. NANDINI VAZ FERNANDES  
*FDP-RESEARCH BASED LEARNING BY IQAC*



HANDS-ON ACTIVITY FOR THE PARTICIPANTS  
*FDP-RESEARCH BASED LEARNING BY IQAC*



PARTICIPANTS OF THE FDP-RESEARCH BASED LEARNING