



# PANIMALAR ENGINEERING COLLEGE, CHENNAI

(AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY CHENNAI)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

# MALCOLM AFONSO

Has Successfully Completed Our Ten Days Faculty  
Development Program On Artificial Intelligence  
conducted from 02-07-2021 till 11-07-2021

**DR. S.MURUGAVALLI**

HOD/CSE - PANIMALAR  
ENGINEERING COLLEGE

**DR.K.MANI**

PRINCIPAL-PANIMALAR  
ENGINEERING COLLEGE

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HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC)  
GUJARAT UNIVERSITY, AHMEDABAD-380009



UGC - SPONSORED REFRESHER COURSE IN SOCIAL SCIENCE

*This is to certify that*

**Dr. Sachin Savio Moraes Assistant Professor**

Parvatibai Chowgule College of Arts and Science, Margao, Goa

affiliated to Goa University participated in the 2<sup>nd</sup> Online  
Refresher Course in Social Science ( Sociology ) from 16/08/2021 to  
29/08/2021 and obtained Grade A.

Professor-Director  
UGC-HRDC



Course Coordinators

Registrar/Vice-Chancellor  
Gujarat University



**The grades are as follows:**

A+: 85 % and above

A: 70 % to less than or equal to 84 %

B: 60 % to less than or equal to 69 %

C: 50 % to less than or equal to 59 %

F: Below 49 %

Those teacher participants who get F grades are required to repeat the programme after a gap of one year without financial commitment to UGC-HRDC.

**The total marks are 100 and the same is decided in the following manner:**

1. Multiple-choice objective tests 30
2. Seminars/participant presentation 15
3. Project/survey/others 20
4. Micro-teaching/participation 10
5. Holistic response 25

UGC - HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC)  
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UGC - SPONSORED REFRESHER COURSE IN SOCIAL SCIENCE



Receipt

Received with thanks Rs. 1000/- from Dr. Sachin Savio Moraes towards  
Registration fees for 2<sup>nd</sup> Online Refresher Course in Social Science from 16/08/2021  
to 29/08/2021



  
Professor-Director  
UGC-HRDC



COLLEGIATE EDUCATION  
& TECHNICAL EDUCATION  
DEPARTMENT  
GOVT. OF TELANGANA

Sl.No. : 5186/R2022

National Level Workshop on  
**Curriculum Framework**

For Implementation of  
**National Education Policy (NEP) 2020**  
In Universities, Engineering Colleges and Degree Colleges

**CERTIFICATE**  
OF PARTICIPATION

This is to certify that Prof./Dr.Mr.Ms. **Dr. Sachin Moraes, Assistant Professor, Sociology, Parvatibai Chowgule College of Arts and Science (Autonomous)** has participated in the two day online "**National Level Workshop on Curriculum Framework 2022 for Universities, Engineering Colleges and Degree Colleges**" held on 21st & 22nd March 2022 conducted by "Institute for Academic Excellence, Hyderabad" in collaboration with "Collegiate Education & Technical Education Department, Govt. of Telangana."

**DIRECTOR**

Institute for Academic Excellence, Hyderabad.

**COMMISSIONER**

Collegiate Education & Technical Education Department,  
Govt. of Telangana.

# DST & ACS WORKSHOP



## Certificate of Participation

**VERIFYING THAT**

**Dr. Starlaine Mascarenhas**

ATTENDED THE FULL AGENDA OF THE DST & ACS VIRTUAL WORKSHOP  
AUGUST 11, 2021

**DR. JAMES MILNE**  
President, Publications Division  
American Chemical Society



Teaching Learning Centre, Ramanujan College

University of Delhi

under the aegis of

MINISTRY OF EDUCATION

PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

In collaboration with

Khalsa College Amritsar

This is to certify that

**Swati Santosh Ghadi**

of

**Parvatibai Chowgule College of Arts & Science (Autonomous),  
Margao, Goa**

successfully completed a 4-Week Induction/Orientation Programme for  
“Faculty in Universities/Colleges/Institutes of Higher Education”

from 19 July - 17 August, 2021

and obtained Grade A+.



Blockchain Hash: [0xa8f8f63d484d405caac4fe5bfee2543187827cefc21bedd95f92d4f1326d337a](https://www.blockchain.com/transaction/0xa8f8f63d484d405caac4fe5bfee2543187827cefc21bedd95f92d4f1326d337a)



सत्यमेव जयते

Ministry of Education  
Government of India



Prof. S. P. Aggarwal  
(Principal & Director)  
TLC, Ramanujan College

Dr. Nikhil Kr. Rajput  
Programme Director  
Ramanujan College

Dr. Mehal Singh  
(Principal)  
Khalsa College Amritsar

No: ATAL/2021/1634492356



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training and Learning (ATAL) Academy

# *Certificate*

This is certified that **Starlaine Mascarenhas**, Assistant Professor of **Parvatibai Chowgule College of Arts and Science** participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Recent Development in Food Processing**" from **25/10/2021** to **29/10/2021** at **Rastreeya Vidyalaya College of Engineering**.

Advisor-I, ATAL Academy  
Mamta Rani Agarwal



Coordinator





**INSTITUTION'S INNOVATION COUNCIL  
GOA UNIVERSITY**



**CERTIFICATE OF PARTICIPATION**

*This certificate is awarded to*

*Dr. R. Kanchana*

---

**for participating in an online session on 'How to plan for Start-up and Legal and Ethical Steps' organized by Institution's Innovation Council, Goa University  
on May 24, 2022.**

**Dr. Bhakti Salgaonkar  
Faculty Coordinator  
Dept. of Microbiology, GU**

**Prof. Sandeep Garg  
Director, IIC  
Goa University**



सत्यमेव जयते

भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास, और गंगा संरक्षण विभाग  
केन्द्रीय जल आयोग  
राष्ट्रीय जल अकादमी, पुणे

प्रशिक्षण पूर्णता प्रमाणपत्र

# Certificate of Accomplishment

This is to certify that

**SHRI MALCOLM AFONSO**

has participated in the

Training Program Through Distance Learning on

**“Introduction to Google Earth Engine & Its Application in  
Water Resources Management”**

Conducted by National Water Academy, Pune

16<sup>th</sup> to 23<sup>rd</sup> August 2021

*K. S. Chaitanya*

चैतन्य के एस  
कार्यक्रम निदेशक

*अशोक*

अशोक कुमार खरया  
मुख्य अभियंता



भारत सरकार / Government of India

जल शक्ति मंत्रालय / Ministry of Jal Shakti

जल संसाधन, नदी विकास एवं गंगा संरक्षण विभाग / Dept. of Water Resources, River Development & GR

केन्द्रीय भूमि जल बोर्ड / Central Ground Water Board

राजीव गांधी राष्ट्रीय भूमि जल प्रशिक्षण एवं अनुसंधान संस्थान, नया रायपुर

Rajiv Gandhi National Ground Water Training & Research Institute, Naya Raipur



**प्रमाण पत्र / Certificate**

प्रमाणित किया जाता है कि श्री मैल्कम लेलिस अफोन्सो, सहायक प्राध्यापक, पार्वतीबाई चौगुले कला एवं विज्ञान महाविद्यालय, मारगांव, गोवा, ने दिनांक 24-01-2022 से 28-01-2022 तक

**“भूजल की कृत्रिम पुर्नभरण तकनीक (राष्ट्रीय जल विज्ञान परियोजना के अंतर्गत)”**

विषय पर आयोजित एक सप्ताह का ऑनलाईन प्रशिक्षण पाठ्यक्रम सफलतापूर्वक पूर्ण किया।

*This is to certify that Shri Malcolm Lelis Afonso, Asstt. Professor, Parvatibai Chowgule College of Arts & Science Autonomous, Margao, Goa, has successfully completed the One Week Online Training Course on*

**“Artificial Recharge Techniques of Ground Water (Under National Hydrology Project)”**

*held from 24.01.2022 to 28.01.2022.*

तारीख / Date : 28-01-2022  
नया रायपुर / Naya Raipur

एम. सिवा कुमार / M. Siva Kumar  
पाठ्यक्रम निदेशक / Course Director

सतीश कुमार / Satish Kumar  
क्षेत्रीय निदेशक  
Regional Director

डॉ. उत्पल गोगोई / Dr. Utpal Gogoi  
सदस्य (पूर्व एवं आर.जी.आई.)  
Member (East & RGI)



Parvatibai Chowgule College of Arts and Science  
Autonomous

Gogol, Margao, Goa - 403602

Department of Geography and Research Center



All India Council for  
Technical Education (AICTE)



AICTE Training and  
Learning Academy (ATAL)

PROGRAMME COMPLETION

# REPORT

## ATAL ONLINE FDP ON GIS : REMOTE SENSING

4<sup>TH</sup> TO 8<sup>TH</sup> OCTOBER 2021

AICTE TRAINING AND LEARNING PROGRAMME (ATAL)

Government of India

Vasant Kunj, Nelson Mandela, Marg, New Delhi – 110 070



PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Department of Geography and Research Center

**AICTE - ATAL - ONLINE FDP ON GIS: REMETE SENSING**

4<sup>TH</sup>- 8<sup>TH</sup> Oct. 2021

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PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Department of Geography and Research Center

**AICTE - ATAL - ONLINE FDP ON GIS: REMETE SENSING**

4<sup>TH</sup> - 8<sup>TH</sup> Oct. 2021

## **ACKNOWLEDGEMENT**

I am deeply indebted to the AICTE Training and Learning (ATAL)Academy for giving us an opportunity to organize Online Faculty Development Programme (FDP) programme, under thrust area of Engineering in the field of GIS and Remote Sensing form 4<sup>th</sup> October to 8<sup>th</sup> October 2021.

I am tahnkfull to the core team of AICTE ATL specially Prof. Anil D. Sahasrabudhe, Chairman, AICTE, Smt. Mamta Rani Agarwal Adviser-I, AICTE, Dr. Amit Dutta Deputy Director , Dr. Girdhari Lal Garg Assistant Director, AICTE, ATAL. I am indeed very much thakfull to Chief Guest of the Inaugural ceremony Shri. Dinanath Kholkar, Vice President & Global Head, Analytics & Insights , TCS.

I thank to Dr. Ajeet Singh, Regional Officer & Assistant Director, Western , other office staff of the regional officers form Western Regional office (WRO) Mumbai. A am also very much great full to the support team of AICTE–ATAL for continuous support and helping hand.

I thank to Dr. Shaila Ghanti, Offg. Principal, Shr. H S. Nadkarni Vice Principal, Mr. Parijat Sinha, Pro Voce and Dr. Nandkumar Sawant Head Department of Geograhly and Research Center, Mr. Abhiram Das and Team members for Office of Information Technology, and teaching and non teaching staff of department of Geography, Parvaibai Chowgule College of Arts and Science ( Autonomous)

I am thankful to resource persons who made this programme successful namely Dr. Amit G. Dhorde and Dr. Sudhakar D. Pardeshi ,Professor, Department of Geography, Savitribai Phule Pune University, Pune, Dr. Sudhir K. Singh, Assistant Professor , K. Banerjee Centre of Atmospheric & Ocean Studies, IIDS, Nehru Science Centre, University of Allahabad Prayagraj-211002, Uttar Pradesh, India.

DR. Deepak Lal, Prof. and Head, Centre For Geospatial Technologies, Sam Higginbottom University of Agriculture, Technology & Sciences, (Formerly Allahabad Agricultural Institute), Allahabad. Mr. Shubham Uday Shenvi Gude, GIS Specialist for the Circle V, Water Resource Department, Gogol Margao Goa, Dr. K. R. Badiger, Associate Professor of Geography, Govt. College of Arts, Science and Commerce, Sanquelim-Goa. Dr. Aftab A Khan, Assistant Professor of Marine Sciences , Goa University, Goa. Dr. Pandurang Prakash choudhari, Assistant Professor, Department of Geography, University of Mumbai, Mumbai. Dr. Vinayak P. Dhulap, Head Department of Environmental Science School of Earth Sciences, Punyashlok Ahilyadevi Holkar Solapur University. Acharya C I, Faculty of Art of Living, Mangalore. DR. Ravindra Gavali, Professor & Head, Centre for Natural Resource Management, Climate Change & Disaster Mitigation , National Institute of Rural Development & Panchayati Raj, (Ministry of Rural Development, GOI), Hydrabad. Mr. Kamal Pandey, Scientist/Engineer - SE & Web Information Manager, Geoweb Services, IT and Distance Learning, IIRS Campus, ISRO, Govt. of India 4, Kalidas Road, Dehradun.

I am also indebted to the Bhuvan, Diva GIS, Global Land Cover Facilities (GLCF), Developers Team of QGIS, Free open Source Software (FOSS) IGET, for spatial data and the software

Last bust not least thanks to all the participants of the FDP, for being patient during the programme and all those who supported directly and indirectly to make this programme successful.

Dr. Sanjay Gaikwad  
Coordination of FDP

PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

Department of Geography and Research Center

**AICTE - ATAL - ONLINE FDP ON GIS: REMETE SENSING**

4<sup>TH</sup>- 8<sup>TH</sup> Oct. 2021

## **ABOUT THE PROGRAMME**

The ATAL Academy is working under the umbrella of AICTE, imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas. Under the scheme of, AICTE Training and Learning (ATAL)Academy,Online Faculty Development Programme (FDP)/ Professional Development Programme (PDP), they have Planned 1462 FDP of which 858 FDP Completed and 89043 Participants Registered and total 179976 FDP Applications are still expected to be certified this AY 2021-22. Last AY 2020-21 they trained more than 1 Lakh participants through 1000 online programmes. that has been set as a world record by Book of Records London.

As a part of this scheme Department of Geography and Research Center of Parvatibai Chowgule College of Arts and Science (Autonomous), got an online programme for AY 2021-22, and we got 149 participants from all over India of which about 130 registered with Zoom meet. The Resource persons were from various reputed institutes of India. This was five days (30 Hours) programme where participants are trained in the field of GIS and Remote Sensing and its application in climate change perspectives. Participants were from GEOGRAPHY 41, ENGINEERING 42, GEOINFORMATICS 14, AGRONOM. and Other 50, Representing 21 States of India . We had good support of faculty members from Goa , Karnataka, Maharashtra, Andhra Pradesh, Uttar Pradesh, Jammu & Kashmir who agreed and support all session as expert in the field of GIS and Remote Sensing. The Programme scheduled form 4<sup>th</sup> October to 8<sup>th</sup> October 2021.

We used Zoom meet platform for online interaction and Google Classroom to share study material to the participant. Besides this, Whats-app is being used for communication. The 30 hours course had a summative test at the end. 80 % attendance, 60 % score of the exam and Feedback were the conditions for participants to get a course completion certificate. Over all 91 participant appeared for the course end text of which 80 participants have successfully completed the course and become eligible for the course completion certificate .

PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)  
Department of Geography and Research Center  
**AICTE - ATAL - ONLINE FDP ON GIS: REMETE SENSING**  
4<sup>TH</sup>- 8<sup>TH</sup> Oct. 2021

## Speakers of the FDP

Sr. NO	Name, Designation & Affiliation
1	Dr. SUDHAKAR D. PARDESHI Professor, Department of Geography, Savitribai Phule Pune University, Pune 411007 (M) 9422358356
2	DR. SUDHIR KUMAR SINGH Assistant Professor, K. Banerjee Centre of Atmospheric & Ocean Studies, IIDS, Nehru Science Centre, University of Allahabad Prayagraj-211002, Uttar Pradesh, India (M) 7985294790
3	DR. AMIT G. DHORDE Professor, Department of Geography Savitribai Phule Pune University, Pune, 411007 Mharashtra. (M) 9225516700
4	DR. DEEPAK LAL, Prof. and Head, Centre For Geospatial Technologies, Sam Higginbottom University of Agriculture, Technology & Sciences, (Formerly Allahabad Agricultural Institute), Allahabad-211007, U.P., India. (M) 7905386637
5	Mr. Shubham Uday Shenvi Gude GIS Specialist for the Circle V, Water Resource Department, Gogol Margao Goa (M)9764364364
6	Dr. K. R. Badiger, Associate Professor of Geography, Govt. College of Arts, Science and Commerce, Sanquelim-Goa. (M)9404311668
7	Dr. Pandurang Prakash choudhari Assistant Professor, Department of Geography, University of Mumbai, Mumbai (M) 8275308064
8	Mr. Acharya C I Faculty of Art of Living, Mangalore, Karnataka. (M) 9483542103
9	Dr. Vinayak P. Dhulap Head Department of Environmental Science, School of Earth Sciences Punyashlok Ahilyadevi Holkar Solapur University, Maharashtra (M) 07588384576
10	DR. RAVINDRA GAVALI Professor & Head, Centre for Natural Resource Management, Climate Change & Disaster Mitigation , National Institute of Rural Development & Panchayati Raj, (Ministry of Rural Development, GOI), Hy- drabad (M) 9371156628
11	Mr. Kamal Pandey Scientist/Engineer - SE & Web Information Manager, Geoweb Services, IT and Distance Learning, IIRS Campus, ISRO, Govt. of India 4, Kalidas Road, Dehradun- 248001 (M) 9634629886
12	Dr. Aftab A Khan Assistant Professor of Marine Sciences ,Goa University, Goa (M) 9545544579



PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)  
 Department of Geography and Research Center  
**AICTE - ATAL - ONLINE FDP ON GIS: REMETE SENSING**  
 4<sup>TH</sup> - 8<sup>TH</sup> Oct. 2021

**Schedule of FDP**

Schedule of FDP 4 <sup>th</sup> to 8 <sup>th</sup> October 2021- GIS & Remote Sensing		
<b>Day 1: 4<sup>th</sup> Oct.2021: Basics of Remote Sensing and GIS, Introduction to QGIS and Sources of data</b>		
<b>Day 1 Session I</b> 9.30am -11.30am Fundamentals of Remote Sensing and GIS  <b>Dr. Sudhir Kumar Singh</b> Assistant Professor of Atmospheric and Ocean Studies, University of Allahabad	<b>Day 1 Session II</b> 12.00pm -2.00pm Introduction to QGIS, Interface  <b>Dr. Krishna. R. Badigar</b> Associate Professor Associate Professor Govt. College of Arts, Science and Commerce, Sanquelim-Goa	<b>Day 1 Session III</b> 3.00pm -5.00pm Geospatial data sources  <b>Dr. P. P. Choudhari</b> Assistant Professor, Department of Geography, University of Mumbai, Mumbai
<b>Day 2: 5<sup>th</sup> Oct.2021: Raster processing analysis and overlay analysis</b>		
<b>Day 2 Session I</b> 9.30am -11.30am Satellite data Processing  <b>Mr. Kamal Pandey</b> Scientist/Engineer - SE & Web Information Manager, Geoweb Services, IT and Distance Learning, IIRS Campus, ISRO, Govt. of India 4, Kalidas Road, Dehradun- 248001 India	<b>Day 2 Session II</b> 12.00pm - 2.00pm Raster analysis, Handling DEM and Elevation data. Raster Modeling  <b>Mr. Shubham Gude</b> GIS Specialist for the Circle V, Water Resource Department , Goa	<b>Session III:</b> 3.00pm to 5.00pm Digitization, editing, overlay analysis, Data extraction and Query analysis  <b>Dr. Luc Cimusu Kulimushi</b> University of Lay Adventists of Kigali, Rwanda
<b>Day 3: 6<sup>th</sup> Oct.2021: Application of GIS and Remote Sensing</b>		
<b>Day 3 Session I</b> 8.30am -10.30am Emotional Development & Stress Management.  <b>Mr. C I Acharya,</b> Faculty of Art of Living, Mangalore	<b>Day 3 Session II</b> 11.00 am -1.00pm Glacier Study  <b>Dr. S. D. Pardeshi</b> Professor Department of Geography Savitribai Phule Pune University, Pune	<b>Day 3 Session III</b> 2.00 pm – 4.00pm Global vegetation Indices, Wildlife study  <b>Dr. R. S. Gavali,</b> Professor & Head, Centre for Natural Resource Management, Climate Change & Disaster Mitigation , National Institute of Rural Development & Panchayati Raj, (Ministry of Rural Development, GOI), Hyderabad
<b>Day 4: 7<sup>th</sup> Oct.2021: Application of GIS and Remote Sensing</b>		
<b>Day 4 Session I</b> 9.30am -11.30am Environmental Monitoring  <b>Dr. V. P. Dhulap</b> Head Department of Environmental Science School of Earth Sciences Punyashlok Ahilyadevi Holkar Solapur University	<b>Day 4 Session II</b> 12.00pm - 2.00pm Forestry, Impact of climate change in forestry  <b>Dr. Sudhir Kumar Singh</b> Assistant Professor of Atmospheric and Ocean Studies, University of Allahabad	<b>Day 4 Session III:</b> 3.00pm to 5.00pm Estimating Coral bleaching Potential form SST  <b>Dr. Aftab S. Can</b> Assistant Professor of Marine Sciences ,Goa University, Goa
<b>Day 5: 8<sup>th</sup> Oct.2021: Application of GIS and Remote Sensing</b>		
<b>Day 5 Session I</b> 9.30am -11.30am Climate change and agriculture  <b>Dr. Deepak Lal,</b> Professor & Head, Centre for Geospatial Technologies SHUATS, Prayagraj-211007, U.P., India	<b>Day 5 Session II</b> 12.00pm - 2.00pm Urban Climate Study  <b>Dr. Amit Dhorde,</b> Professor Department of Geography Savitribai Phule Pune University, Pune	<b>Day 5 Session III:</b> 3.00pm to 5.00pm Feedback Question answer and Assessment

## **REPORT OF INAUGURATION PROGRAMME OF FDP**

The inaugural ceremony was held at 10.00am on 4<sup>th</sup> October 2021. At the beginning, Ms. Mamata R. Agarwal, Advisor- I, AICTE-ATAL, opened the topic of need of data analysis. The questions like why should we be talking about data analysis more seriously? What does internet do in a minute basis? Sharing and handling information, data, downloading, data usage is increasing.

Dr. Anil Sahasrabudhe, Chaiman, AICTE-ATAL, welcomed chief guest Mr. Dinanath Kholkar. He stated that there are 52 FDP in various discipline and fields are being inaugurated now. He also deliberated on the AICTE ATAL initiatives and achievements. He focused on the significant contribution of data and Artificial Intelligent in the field of leaning to the learners. He dealt with New education policy, employability of graduates, holistic education, multiple disciplinary and learner centric education policy. Dr. Sahasrabudhe talked about the NPTL's development since 2001.

Dr. Dinananath Kholkar, Vice president & Global Head Analytics and insight, TCS Pune, 53 year old organization, wished happy teachers day in is inaugural address. Slight front perspectives, IT's impact on humanity and global environmental crises. He linked sustainable development goals with the challenges and initiatives. Skill vs sustainability competencies, community of responsible engineers focused on purpose, said opportunity to build leaders for tomorrow. Drive of inclusive and equitable growth "A mantra for engineers". The organization "Business 4.0<sup>TM</sup>" should be Intelligent agile automated and another hand risk management and leverage ecosystem. He also took overview of TCS service portfolio. He recommended tracking the area of research where we are working on. Artificial Intelligence has impact on environment, state, when we review reviewing Business & Society. He also said that top skill of 2025, will definitely be useful to cope with the challenges in higher education sector, curriculum infrastructure, quality infrastructure, industrial input, and to minimize gap in & education. He also reviewed TCS, learning platform & ecosystem partnership. The partnership ecosystem that institute can leverage required skills with proper academic industrial corporate content OEM Partnership. Lastly he added that India can become the AI capital of the world.

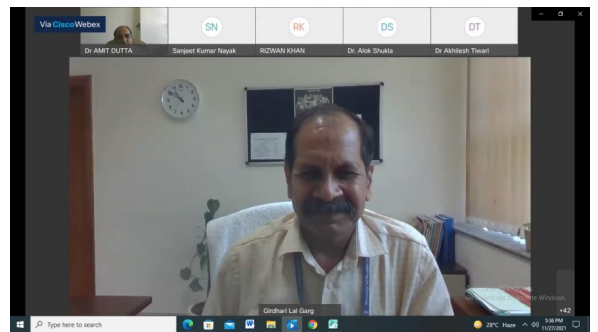
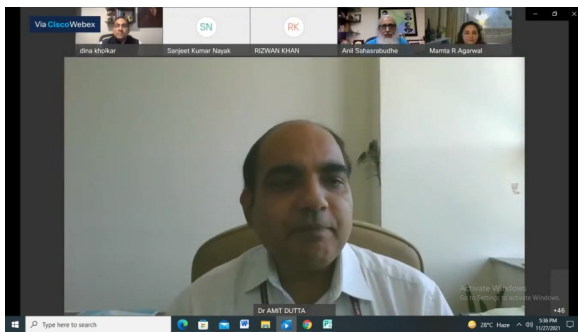
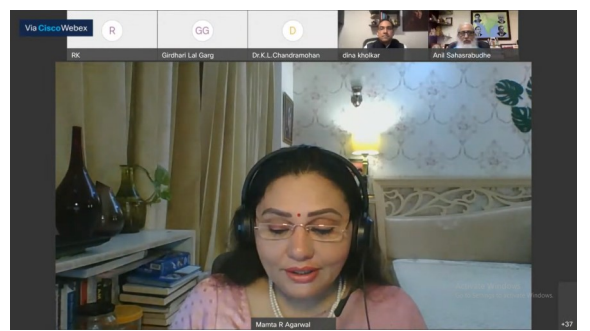
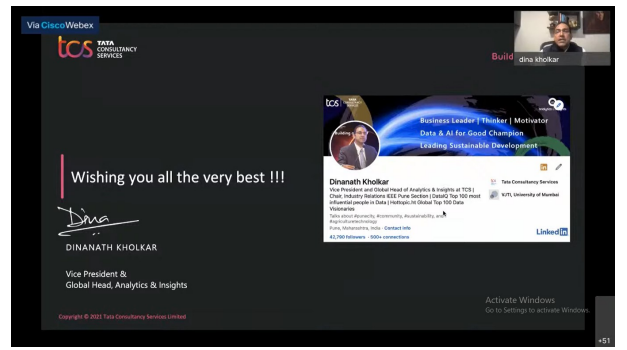
At the End Dr. Amit Dutta proposed vote of thank. Amit Datta, Giridharilal and fellow members of AICTE and faculty members, course coordinators and participants of all 52 FDP programmes, principal and staff of the institutes were present for the session online.

PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)  
Department of Geography and Research Center

**AICTE - ATAL - ONLINE FDP ON GIS: REMOTE SENSING**

4TH - 8TH Oct. 2021

**PHOTOGRAPHS OF INAUGURAL SESSION**



PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)  
Department of Geography and Research Center  
**AICTE - ATAL - ONLINE FDP ON GIS: REMETE SENSING**  
4<sup>TH</sup>- 8<sup>TH</sup> Oct. 2021

**LIST OF PARTICIPANT**

SR. No.	Name	Institute Name	Phone	Email
1	Mr. SANJIV KUMAR PRADHAN	GANGADHAR MEHER UNIVERSITY	9658420463	sai.sanjiv@gmail.com
2	Mr. Harshad Chandrakant Shirodkar	Government college of Arts science and commerce Khandola marcel Goa	9765979636	Shirodkarharshad57@gmail.com
3	Mr. Rahul Suresh Chaure	Mudhoji College, Phaltan	8928301000	rahulschaure@gmail.com
4	Mr. G Naveen	Malla Reddy Institute of Technology & Science	9963430422	ngnaveengodi@gmail.com
5	Dr. Namdev Vasant Telore	Raja Shripatrao Bhagwantrao Mahavidyalaya, Aundh, Dist. Satara	9423863623	nvtelore@gmail.com
6	Mrs. Swaroopa Gourish Sail	Don Bosco College of Engineering, Goa	8879449545	swaroopasail@gmail.com
7	Mrs. yogini prabhuu	Goa Engineering College	9637559368	yoginip@unigoa.ac.in
8	Mr. MUDIGANDLA RAJESH	Andhra university	9542322028	rajesh.rocken@gmail.com
9	Dr. Madhuri Rahul Mulay	A.P. Shah Institute of Technology	9004429988	mrmulay@hotmail.com
10	Miss ZAINAB FATEMA SHAIKH	Government Vidarbha institute of science and humanities. Amravati	9921971876	zainabfatemashaikh@gmail.com
11	Dr. Dhanesh Ninganna Ligade	Walchand College of Arts and Science, Solapur	9960994484	dhanesh.ligade@gmail.com
12	Mr. asif ali	Maharshi Dayanand Saraswati University, Ajmer	8010503177	asifali7662@gmail.com
13	Mr. MOHD FAROOQ KHAN	WAPCOS	7042149961	farooq2201@gmail.com
14	Dr. YOGEESHAPPA, H.	College of Horticulture, Munirabad (Koppal)	7829342735	yogeeshappa@gmail.com
15	Mr. Ashwini Ashish	Parvatibai Chowgule College	9890027338	ashish.ashwini56@gmail.com
16	Miss Merel DSilva	Govt College of Arts Science and Commerce Khandola	9545007988	merel.dsilva@khandolacollege.edu.in

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SR. No.	Name	Institute Name	Phone	Email
17	Mr. VISHAL VASANT ADVAIKAR	Government College of Arts, Science and Commerce, Khandola- Marcela Goa	7588474456	vishaladvaikar@gmail.com
18	Dr. PRITI MOHAN KHARADE	Karmaveer Bhaurao Patil College, Urun Islampur	8600395910	prii.kharade44@gmail.com
19	Miss Bijali Kamble	Shivaji University, Kolhapur	9421182558	bijalisunita@rediffmail.com
20	Dr. Bhanumati. C. Pilli	Parvatibai Chowgule college of Arts and Science Margao	9421192746	bhanu16375@gmail.com
21	Dr. DRUHEEN CHAKRABORTTY	Bankura Christian College	9749436272	druheen321@gmail.com
22	Mr. SWADHIN TAN-TUBAY	Bankura Christian College	8972066124	swadhin.bcc.geo@gmail.com
23	Mr. RADHA KISHAN SARAN	MAHARAJA GANGA SINGH UNIVERSITY, BIKANER	9928040039	rkenviro92@gmail.com
24	Mr. MUHAMMAD FAYIS T	M DASAN INSTITUTE OF TECHNOLOGY	9497464898	muhammadfayis313@gmail.com
25	Mr. yara Srikanth	Visakha Polytechnic of Agricultural Engineering	7013833925	srikanth.yara838@gmail.com
26	Mr. Vishnu Chakkaravarthy	Yuvabharathi Public School, Coimbatore	9585521357	vishnu.chakkaravarthy1@gmail.com
27	Miss ADLENE EBENEZER P	SRM IST	9940162014	ae6494@srmist.edu.in
28	Miss Sahieen	Saveetha Engineering College (Autonomous)	7401608332	sahnsahn9912@gmail.com
29	Mrs. Divya Chandran	College of Engineering TVM	9562062594	divyac86@gmail.com
30	Mr. Deepak Kumbhar	Parvatibai Chowgule College	9545312356	djk225@gmail.com
31	Mr. PRASENJIT PAL	Kabi Sukanta Mahavidyalaya	9434556148	prasenjitpal@live.com
32	Mr. Sushilkumar Pralhad Gujar	Rayats, Dr. Babasaheb Ambedkar College, Aundh, Pune-67	9423571951	sushilkumar@dbacap.edu.in
33	Mr. Bedathala KirtiKumarReddy	University Department of Geography, Mumbai	7875483466	kirtheyreddy@gmail.com

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SR. No.	Name	Institute Name	Phone	Email
34	Mr. Ramhari Jalindar Bagade	Dr Patangarao Kadam Art's and Commerce College, Pen	9881763396	rjbagade@gmail.com
35	Mr. PRAMOD KUMAR M	College of Engineering, AU	8008699764	pramod.marripedda@gmail.com
36	Mr. Raju Imamasab Bhairodagi	Chowgule College of Arts and Science, Margao	7020053887	rajubhairodagi60@gmail.com
37	Mr. Ajay Tiwari	Ambah PG (Autonomous) College Ambah, Jiwaji University Gwalior	9415601966	dr.ajaytiw@gmail.com
38	Dr. Indira Lepcha Nee Lama	University of North Bengal	8637897648	indiralepchaneelama@gmail.com
39	Mr. Mr. Naik Sambhaji Kallappa	Kakasaheb Chavan College, Talmavale	8080018734	sambhajinaik888@gmail.com
40	Mr. Paritosh Deb	Ramakrishna Mission Shilpamandira	7980679627	paritoshdebo@gmail.com
41	Dr. Vasudev Shivaji Salunke	K.J.Somaiya College Kopergaon	9370389291	vasusalunke@yahoo.co.in
42	Mr. KAKASAHEB SARJERAO GAIKWAD	KVP'S Kisan Art's, Commerce & Science College, Parola District-Jalgaon	9975533772	gaikwadkaka99@gmail.com
43	Dr. Akshay Rajan Thorvat	Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur, Maharashtra	8177967657	thorvat.akshay@kitcoek.in
44	Miss PRITI SURESH GOSAVI	Government College of Arts Science and Commerce Khandola Marcela Goa	8806192932	pritigosavi28@gmail.com
45	Mr. AMOL PAN-DURANG JARAG	Shikshanmaharshi Dr. Bapuji Salunkhe College, Miraj Dist: Sangli	8806536766	amol.jarag1212@gmail.com
46	Dr. Nilesh Mohanrao Wankhade	Shri S. H. Kelkar College of Arts, Commerce and Science Devgad	8378857424	wankhadenm.dc@gmail.com
47	Miss Dixita Bhairu Shingadi	Goovernment College of Arts, Science and Commerce, Quepem-Goa	9545048945	dixita.shingadi@gmail.com
48	Mr. SWAPNIL BABURAO MOHITE	KIT's College of Engineering, Kolhapur	9326339545	swapncivil@gmail.com

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SR. No.	Name	Institute Name	Phone	Email
49	Dr. Ashish Aggarwal	university of petroleum and energy studies	9557654253	aagarwal@ddn.upes.ac.in
50	Mr. Rudradeep Das	Dream Institute of technology	9674348605	rudradeepdas6@gmail.com
51	Dr. Ranith R	Nansen Environmental research Centre (India)	7994329574	rajranith@nerci.in
52	Mr. Chatur Pandurang Gadhe	Shri.V.S.Naik Arts, Commerce and Science College Raver	9021962262	cpgadhe@gmail.com
53	Dr. Dr. Sardar Ananda Patil	ASP College, Devrukh	9096229741	sardarpatilasp@gmail.com
54	Mr. SUBHANKAR NAHA	NABA BARRACKPUR PRAFULLA CHANDRA MAHAVIDYALAYA	8670753293	subhankarnaha7@gmail.com
55	Dr. Gurav Chandrakant Anand	DSM College Parbhani	9673377320	chandrakant-gurav123@gmail.com
56	Mrs. Gurav Netra Chandrakant	Vivekanand college Kolhapur	9049080464	netragurav444@gmail.com
57	Dr. Sachikanta Nanda	SRM Institute of Science and Technology	9884081794	sachikan@srmist.edu.in
58	Dr. Jyoti Anilkumar Pathare	G. E. Society, HPT Art's and RYK Science College Nashik - 422005	9403407292	jpathare23@gmail.com
59	Dr. Gajanan Krishna Dhobale	Arts, Science And Commerce College, Indapur, Dist. Pune	9860129860	gajanandho-bale42@gmail.com
60	Mr. ABHAY BHUVA	U V Patel College of Engineering	9924756347	ap-b02@ganpatuniversity.ac.in
61	Mr. Vivek Singh	Indian Institute of Tropical Meteorology, Pune	9821123574	vivek.singh@tropmet.res.in
62	Miss Sanjana Satish Mulay	University of Mumbai	9833852477	sanjana16081994@gmail.com
63	Dr. Vijay Dagadu Gaikwad	Devchand College, Arjunnagar	9423271033	drvvdgaikwad1@gmail.com
64	Mr. KARTHIKKU-MAR A	TNAU	9524286028	karthikkumar164@gmail.com
65	Dr. CHANDRESHBHAI G.PATEL	GANPAT UNIVERSITY - U V PATEL COLLEGE OF ENGINEERING	9825799472	chandresh.patel@ganpatuniversity.ac.in

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SR. No.	Name	Institute Name	Phone	Email
66	Mr. THIRUMENINATHAN S	Tamil Nadu Agriculture University	9751802157	thirumeni95@gmail.com
67	Miss P. SHANMUGAPRIYA	TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE	8610732211	shanmugapriyapalanisamy96@gmail.com
68	Dr. SUSWARE NILESH KAMALAKAR	Gopal Krishna Gokhale College, Kolhapur	7798447199	nileshsusware@gmail.com
69	Mr. SANJAYKUMAR ANNAPA MENASHI	Gopal Krishna Gokhale College, Kolhapur	9423276307	skumarmenshi@gmail.com
70	Mr. Ravi Kumar Charukonda	Govt. Polytechnic Kalyandurg	9866354955	ravicrk.ce7@gmail.com
71	Dr. N S SUDARMANI AN	Tamil Nadu Agricultural University, Coimbatore	9629638628	sudarnsagri@gmail.com
72	Mr. G. SRINIVASAN	TNAU	9965503593	srinivasan993.sv@gmail.com
73	Mr. Rishikesh kushwaha	Emerald9IMT	8896452484	rshk88@gmail.com
74	Dr. Mamta Dahiya	SGT University	9996236339	malik.mamta@gmail.com
75	Mr. HIRALKUMAR VINODCHANRA PATEL	U. V. PATEL COLLEGE OF ENGINEERING - GANPAT UNIVERSITY	9638792373	hvp01@ganpatuniversity.ac.in
76	Dr. Aneeshkumar N	Central Ground water Board	9419210601	akncusat@gmail.com
77	Miss Andrea R M D'Souza	Carmel College	7507647213	andreadsouza@carmelcollegegoa.org
78	Mrs. APARNA KAUSTUBH KULKARNI	New horizon Institute of technology and management	9930870049	aparnakaustubh@gmail.com
79	Dr. THENMOZHI M	CWRDM	8072989884	thenmozhi.rekha26@gmail.com
80	Mr. Souvanik Maity	Vidyasagar University	9153387286	maitysouvanik@gmail.com
81	Mr. SOURAV MUKHERJEE	Vidyasagar University	9804563790	sourav.mukherjee64@gmail.com
82	Mr. Jobin C Tharian	Sacred Heart College	9447212846	jobinct@shcollege.ac.in
83	Mr. Ram Nivas Giri	NIT- Raipur	9340671432	ramnivasgiri7@gmail.com
84	Dr. Vikramsinh Pawar Patil	The New College, Kolhapur	7350809900	vickypawarpatil@gmail.com
85	Mr. Sagar Chougule	KSRDPR University	8148470091	92chougulesagar@gmail.com
86	Mrs. Ashwini Suyog Kulkarni	B. K. Birla College of Arts, Commerce and Science, Kalyan	9321646583	aashwini.k@gmail.com



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SR. No.	Name	Institute Name	Phone	Email
87	Dr. R. Ajaykumar	Vanavarayar Institute of Agriculture	9786848330	ajaykumar.tnau@gmail.com
88	Mr. Tanveer Ali Dar	Indian Institute of Technology Roorkee	7006253914	tdar@es.iitr.ac.in
89	Mr. KUNDULA BHASKARA RAO	Andhra University	9032630474	bhaskar.mgeo@gmail.com
90	Mrs. SREEKUMARY G	SAI VIDYA INSTITUTE OF TECHNOLOGY	8792157463	sreekumary.g@saividya.ac.in
91	Mr. Sandeep B Bhise	G.M.D. Arts B.W. Commerce & Science College, Sinnar, Nashik	9823573406	sandipbhise52@gmail.com
92	Dr. Rabi Narayan Mohanty	IIT BHU	7381505488	rnmoahanty.apd@iitbhu.ac.in
93	Mr. Ashok S Sangle	Department of Computer Science and IT Aurangabad	8830994161	ashoka4it@gmail.com
94	Mrs. Rosalin Dalai	College of Engineering and Technology, Bhubaneswar	9437585643	rosalince@cet.edu.in
95	Mr. MURUGAN C	BHARATH NIKETAN ENGINEERING COLLEGE	9952462635	murugancraj@gmail.com
96	Miss JYOTI JAGADISH HOSAMANI	PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE	7720889292	jyotihsnmn@gmail.com
97	Mr. Charan Kumar	Wildlife Trust of India	9020535803	charan.k@outlook.com
98	Mrs. SANDHYA RANI G M	Don Bosco Institute of Technology	9686351859	sandhyaranigms@gmail.com
99	Mr. VENKATESAN M	TNAU	9626836673	sathyavenkat2095@gmail.com
100	Mr. ABHILASH R PRASAD	COORG INSTITUTE OF TECHNOLOGY	9886737745	citcivil.abhilash@gmail.com
101	Mr. RAGHUNATH NAVANATH SAWANT	Sir Parashuramhau College Pune	9011662891	raghunathsawant89@gmail.com
102	Dr. Subhash Chavare	Krantiagrani G D Bapu Lad Mahavidyalaya Kundal	9890637780	subhash.mtech44@gmail.com
103	Miss Surabhi Chand	Govind Ballabh Pant University of Agriculture and Technology	9897764179	surabhichand@yahoo.com
104	Mrs. SAVITHA T M	Coorg Institute of Technology, Ponnampet	9901776399	citcivil.savitha@gmail.com

PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)  
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SR. No.	Name	Institute Name	Phone	Email
105	Mrs. Ravneet Kaur	Chandigarh University	9646400782	erravneet.khangura@gmail.com
106	Mr. NARENDRA PATIDAR	Chameli Devi Group Of Institutions	7000895311	narendra.patidar@cdgi.edu.in
107	Miss Thoudam Sudha Devi	Amity, University	8989126007	tsdevi.amity@gmail.com
108	Mr. Ashvek Shanbhag	Shree Mallikarjun and shri chetan manju Desai college	9021992055	ashvek.shanbhag@gmail.com
109	Dr. F.SANGEETHA RANCELIN VINNARASI	St. Joseph's College of Engineering	9962410718	fsangeetha@gmail.com
110	Mrs. SAWAN GRAAK	Ceigall India Limited	7015806522	graaksawan@gmail.com
111	Miss Purna Dhyani	HIMGIRI ZEE UNIVERSITY	8057331149	prernadhyan287@gmail.com
112	Dr. Pravin Raghunath Talekar	Sadguru Gadage Maharaj College	8796271328	pravitalekar96@gmail.com
113	Mrs. Sandhya Maurya	SRMU Lucknow	9721512689	sandhyamaurya.ce@srmu.ac.in
114	Dr. Muthumanickam D	Tamilnadu Agricultural University, Coimbatore	9443933342	muthutnausac@gmail.com
115	Mr. CHIPPA S SRINIVAS	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	7032589445	csrinivas.ce@anits.edu.in
116	Dr. J.VIKRANTH	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES	9491807080	vikranth.ce@anits.edu.in
117	Mr. CHANDRAPAL SINGH YADAV	Samrat Ashok Technological Institute(Polytechnic)	9981290901	cpy88521@gmail.com
118	Mrs. GULJA S NAIR	Nehru Institute of Technology	8592862213	guljasnair@gmail.com
119	Mr. NISHANT MEHRA	Rajiv Gandhi Govt Engineering College, Kangra at Nagrota Bagwan	8894229008	ernishantmehra@gmail.com
120	Mr. SOUMIK CHATTERJEE	Ramakrishna Mission Shilpamandira	9830869478	soumik.chatterjee31@gmail.com
121	Dr. J.T.Anita Rose	St. Joseph's College of Engineering	9884248715	anita14swartz@gmail.com
122	Mr. Pratiksindh Dilipsinh Chavda	College of renewable energy and environmental engineering	9601261335	pratiksindhchavda@sda.edu.in
123	Mr. Thejas A Jain	Coorg Institute of Technology	8762348444	citcivil.thejas@gmail.com
124	Miss THANUJA KRISHNAN R	Bharathidasan University	7994904056	thanujkr99@gmail.com

PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)  
Department of Geography and Research Center  
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SR. No.	Name	Institute Name	Phone	Email
125	Mrs. PRIYANKA BHADORIA	kalaniketan polytechnic college,Jabalpur	9584680390	priyankait10@gmail.com
126	Mr. KAILASH BHIMRAO NIKUSE	Dr. B. R. Ambedkar Institute of Technology Port Blair	9637986567	sonu.nikuse@gmail.com
127	Dr. Anand Purushottam Pandit	New Arts, Commerce and Science College (Autonomous), Ahmednagar	9423433473	appandit2007@gmail.com
128	Miss Merin Skariah	KUFOS	8606606606	merin.skariah@gmail.com
129	Dr. Vikas Garg	Central University of Haryana	9690757335	gargvikas27@rediffmail.com
130	Miss Shaila Naaz	Noida International University	8130686650	khanshailanaaz@gmail.com
131	Mrs. Drashtee Ijardar	S V National Institute of Technology, surat	9712924898	disha.15.4@gmail.com
132	Mrs. Shikha verma	BIT,DURG	7828996695	vshikha42@gmail.com
133	Mr. Vishal Kashinath Pandit	Govt. Of maharashtra, Rajaram Collge, Kolhapur	9422590316	vishalpandit20@gmail.com
134	Miss Dreshell Maria Barreto	Parvatibai Chowgule College	8390384727	dreshbarreto@gmail.com
135	Dr. Arvind Vaman Dalavi	Bharat Mahavidyalaya, Jeur	7588506557	arvind.dalavi@gmail.com
136	Miss Madhavi M. Motankar	Parvatibai Chowgule College of Arts & Science Autonomous Margao Goa	7507199169	mmm009@chowgules.ac.in
137	Mr. Satish Balasaheb Handge	K.T.H.M. College Nashik	9822526267	shandge41@gmail.com
138	Mrs. Shubhada Sharad Jamadade	Anantrao pawar college of engineering and research Parvati Pune	9834569391	shubhada5794@gmail.com
139	Mr. ROOPA KRISHNA CHANDRA G	ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY	9676790161	krishnaeceleat@gmail.com
140	Miss Kamali R	VSB Engineering college	7373368855	kamaliramalingam2897@gmail.com

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SR. No.	Name	Institute Name	Phone	Email
141	Mrs. babita saxena	SAGAR INSTITUTE OF RE-SEARCH AND TECHNOLOGY	9617490370	babitasaxena32@gmail.com
142	Miss T Pavani	JNTUH	7386705916	pavani.tambur@gmail.com
143	Miss Teja Mahesh Kudnekar	Adarsh V V High school	9284042486	teja6181@gmail.com
144	Miss Gautami Manakikar	Parvatibai Chowgule College of Arts and Science	7798688679	gnm003@chowgules.ac.in
145	Mr. N.UDAY BHASKAR	SIDDHARTHA INSTITUTE OF ENGINEERING AND TECHNOLOGY	7075223995	udaysb8500@gmail.com
146	Mr. RAMKUMAR S	Kongunadu College of Engineering and Technology (Autonomous)	8870632299	ramsvgrcivil@gmail.com
147	Dr. Kanwarpreet Singh	Chandigarh University	9815801325	kanwarpreet.e9570@cumail.in
148	Mrs. Amruta Abhijit Chavan	Anantrao Pawar College of Engineering, Parvati, Pune	8329847590	patilamruta911@gmail.com
149	Dr. Kehinde Oyeyemi	covenant university Nigeria	8039114029	kdoyeyemi@yahoo.com

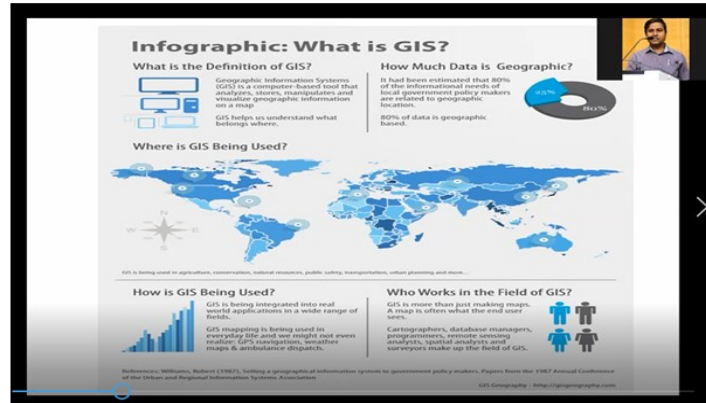
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**DAY 1**

**WORKSHOP PHOTO**

**Day 1 Session I**  
**9.30am -11.30am**  
**Fundamentals of Remote Sensing and GIS**

**Dr. Sudhir Kumar Singh**  
Assistant Professor of  
Atmospheric and Ocean  
Studies,  
University of Allahabad

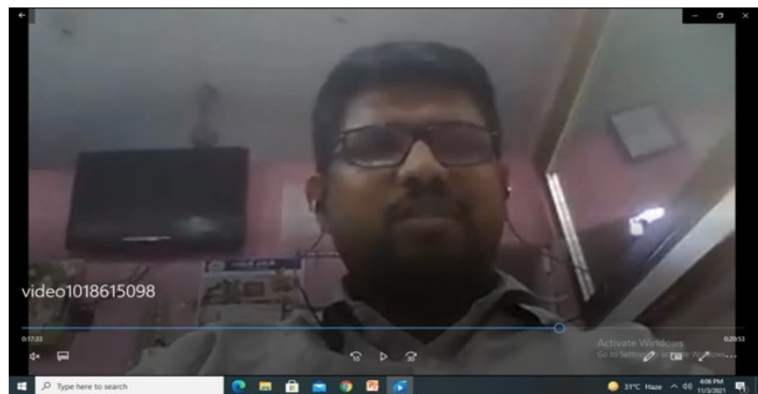


**Day 1 Session II**  
**12.00pm -2.00pm**  
**Introduction to QGIS, Interface**

**Dr. Krishna. R. Badigar**  
Associate Professor  
Associate Professor Govt.  
College of Arts, Science and  
Commerce, Sanquelim-Goa

**Day 1 Session III**  
**3.00pm -5.00pm**  
**Geospatial data sources**

**Dr. P. P. Choudhari**  
Assistant Professor,  
Department of  
Geography,  
University of Mumbai,  
Mumbai



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**DAY 2**

**Content of the Lecture**

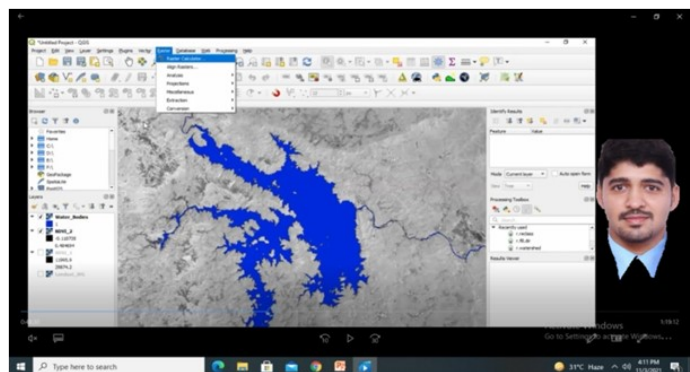
1. Overview of Satellite Imagery
2. Concept of Remote Sensing : The process
3. Electromagnetic Spectrum : The science
4. Types of Satellite Imagery
  - Classification based on EMR (Optical, Thermal, Radar)
  - Classification based on Resolution (Spatial, Spectral, Temporal)
  - Classification based on Sensors (Active, Passive)
5. Data Formats (Geotiff/Img/netcdf/asc)
6. Sources of Satellite Imagery
7. Applications of Satellite Imagery
8. Example of Satellite Imagery
9. Software tools for handling Satellite Imagery (ENVI/Erdas/Snap/QGIS)
10. Basic Satellite Imagery Processing via QGIS

**Day 2 Session I**  
 9.30am -11.30am  
 Satellite data  
 Processing

**Mr Kamal Pandey**  
 Scientist/Engineer - SE &  
 Web Information  
 Manager, Geoweb  
 Services, IT and Distance  
 Learning, IIRS Campus,  
 ISRO, Govt. of India 4,  
 Kalidas Road, Dehradun-  
 248001 India

**Day 2 Session II**  
 12.00pm - 2.00pm  
**Raster analysis, Handling DEM  
 and Elevation data. Raster  
 Modeling**

**Mr. Shubham Gude**  
 GIS Specialist for the Circle V,  
 Water Resource Department ,  
 Goa



**Session III: 3.00pm to 5.00pm :**  
**Hydrological Modelling**  
**Dr. P. P. Choudhari**, Assistant Professor,  
 Department of Geography, University of Mumbai

**Interaction with participants of FDP**

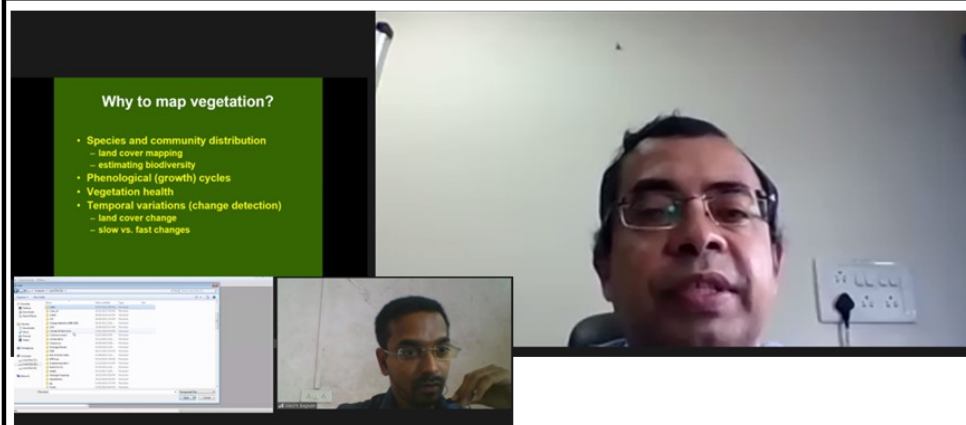
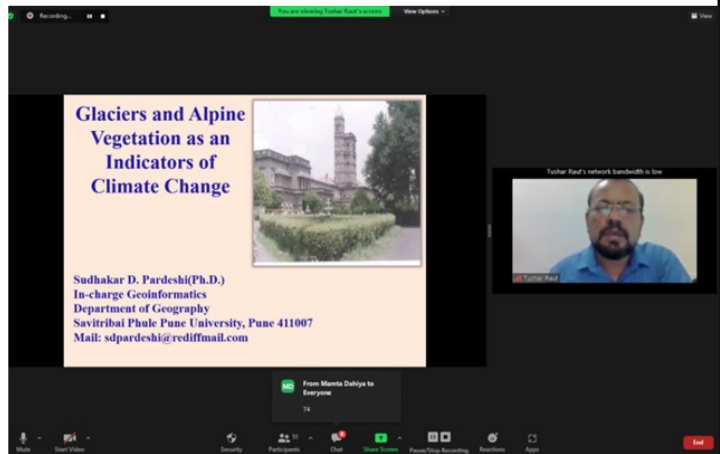


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Day 3 Session1: 8.30am -10.30am  
 Emotional Development & Stress  
 Management.  
 Mr. C I Acharya, Faculty of Art of Living,  
 Mangalore

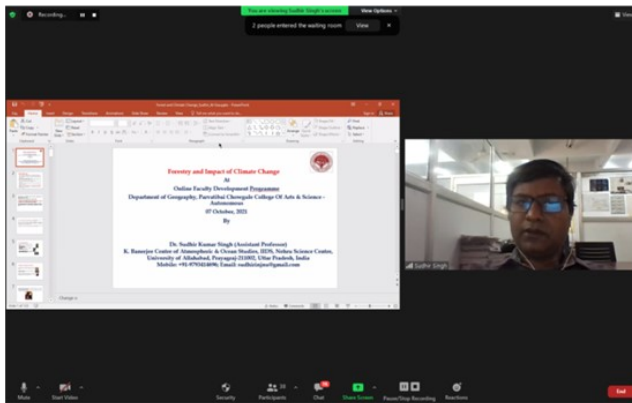
Day 3 Session II  
 11.00 am -1.00pm  
 Glacier Study  
 Dr. S. D. Pardeshi  
 Professor  
 Department of Geography  
 Savitribai Phule Pune University,  
 Pune



Day 3 Session III : 2.00 pm – 4.00pm  
 Global vegetation Indices, Wildlife study  
 Dr. R. S. Gavali, Professor & Head, Centre for Natural Resource Management, Climate Change &  
 Disaster Mitigation , National Institute of Rural Development & Panchayati Raj, (Ministry of Rural  
 Development, GOI), Hyderabad

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**DAY 4**



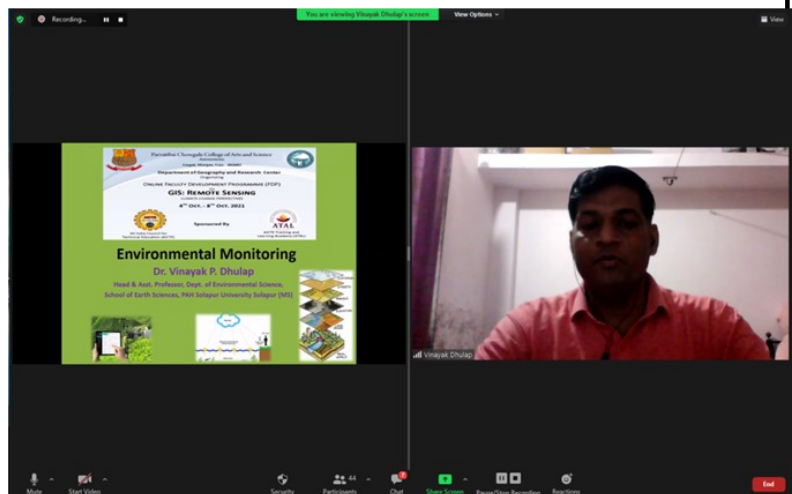
Day 4 Session II  
 12.00pm - 2.00pm

**Impact of climate change in forestry**

**Dr. Sudhir Kumar Singh**  
 Assistant Professor of Atmospheric and Ocean Studies, University of Allahabad

**Day 4 Session I**  
 9.30am -11.30am  
**Environmental Monitoring**

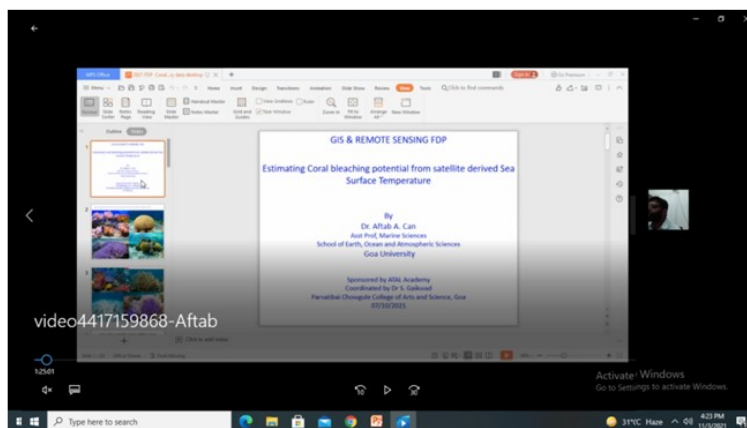
**Dr. V. P. Dhulap**  
 Head Department of Environmental Science  
 School of Earth Sciences  
 Punyashlok Ahilyadevi Holkar  
 Solapur University



**Day 4 Session III:**  
 3.00pm to 5.00pm

**Estimating Coral bleaching Potential form SST**

**Dr. Aftab S. Can**  
 Assistant Professor of Marine Sciences ,  
 Goa University, Goa





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## REPORT OF VALEDICTORY FUNCTION

Valedictory programme held on 8th October 2021 at 4.00pm online through Zoom Meet App. All participants had joined the valedictory programme. In the beginning coordinator welcomed all the members of the organizing committee, head of the department, Principal and the chief guests of the programme.

Dr. Shaila Ghant, Offg. Principal of Parvatibai Chowgule College (Autonomous), Margao, Goa, welcomed all the participants of the FDP on behalf of College and Management. She said it would have been a better opportunity for us to conducting FDP offline, we hope to have it in future. She thanked AICTE, ATAL and also welcomed the chief guest of the function Dr. Umakant Kulkarni, Professor and Head, Department of Computer science and Engineering at SDM College of Engineering & Technology, Dharwad, Karnataka.

Dr. N. N. Sawant address gathering and introduced various activities and courses conducted by the Department of Geography and Research Center and welcomed all participants. He stated that we are in 21st century and expected to be technologically advanced. Student and faculty should use geospatial technology in teaching and research. He thanked AICTE ATAL for giving opportunity to conduct the FDP and all participant for their response.

Dr. Umakant Kulkarni in his talk congratulated the Principal of the college, head of the department of geography, coordinator of the FDP and participant of the course for conducting FDP as it is most important on the ground of upcoming NEP and for improving quality of UG and PG teaching. At national level technical education is improving but graduates are not accepted in market the reason is insufficient availability of qualified faculty, mere degree is not important, it is an ability to ensure that educated students are accepted in market, in industries. You all are equipped with the technology and have ability to transform student. Ensure that under NEP FDP should help us to enable experiential learning that which ensure that our students will be accepted in all sectors.

While concluding he said that we can improve the ability of students abstract thinking, for accepting them every field, we need to focus on improving the competency of faculty members thinking out of the box & we should educate them to improve performance and productivity. The FDP will equip you so that NEP objectives are achieved.

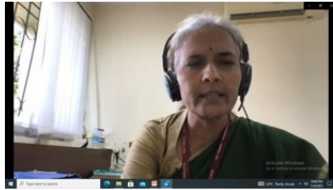
In the feedback session participant few participants gave their feedback. The gist of it as follow

1. VIKRAMSINH PAWAR PATIL - thanked AICTE and Chowgule College for conducting FDP and mentioned that the programme has the relevant theme and also suggested that in future the FDP may be proposed in Artificial Intelligence (AI), Machine Learning (ML), application of technology in watershed management.
2. SACHIKANTA NANDA - said that this FDP enhanced our knowledge of GIS and Remote Sensing and its application. Also recommended to the conduct future FDP in the field of disaster management, Hydrological application of technology.
3. SUBHANKAR NAHA - motioned that the programme was well organized and managed, resource persons were highly knowledgeable and delivered relevant and enriching content to the participants.
4. CHATUR PANDURANG GADHE - said that this is very important course for faculty and student. He stated that the course conducted very well manner and resources persons were very good. This FDP has increased knowledge.
5. KEHINDE OYEYEMI — appreciated the resource persons and said that he personally benefited from this FDP. Thanks AICTE and College for conducting the FDP in Very well manner.

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**PHOTOGRAPHS OF VALEDICTORY FUNCTION**

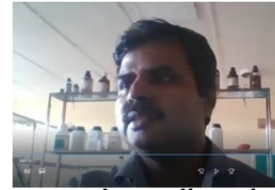
DAY 5 Session 3 Valedictory of the FDP on GIS & Remote Sensing  
4<sup>th</sup> to 8<sup>th</sup> Oct. 2021



**Chairperson**  
Dr. Shaila Ghanti  
Offg. Principal



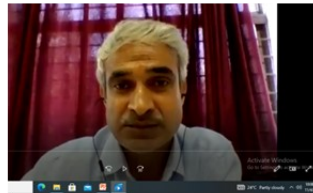
**Dr. N.N. Sawant**  
Professor & Head



**Dr. Sanjay Gaikwad**  
FDP Coordinator &  
Assistant Professor

Department of Geography & research Center

Parvatibai Chowgule College of Arts & Science (Autonomous), Margao-Goa



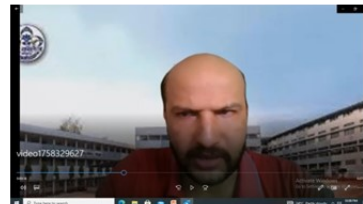
**Chief Guest**

Dr. Umakant Kulkarni, Professor and Head  
Department of Computer Science & Engineering at SDM College of Engineering and  
Technology, Dharwad, Karnataka

**Participants feedback**



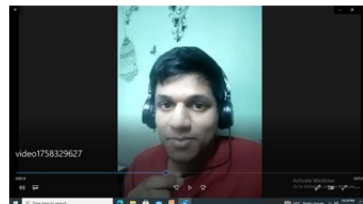
**Dr. Sachikant Nanda**



**Dr. Vikramsinh Pawar Patil**



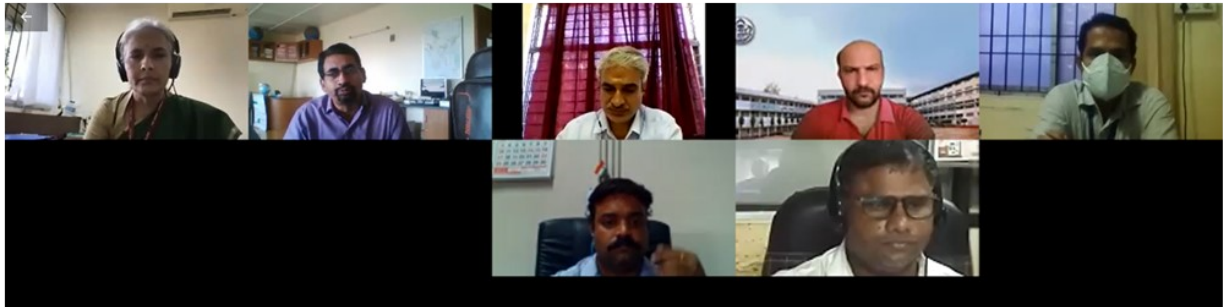
**Mr. Chatur Pandurang Gadhe**



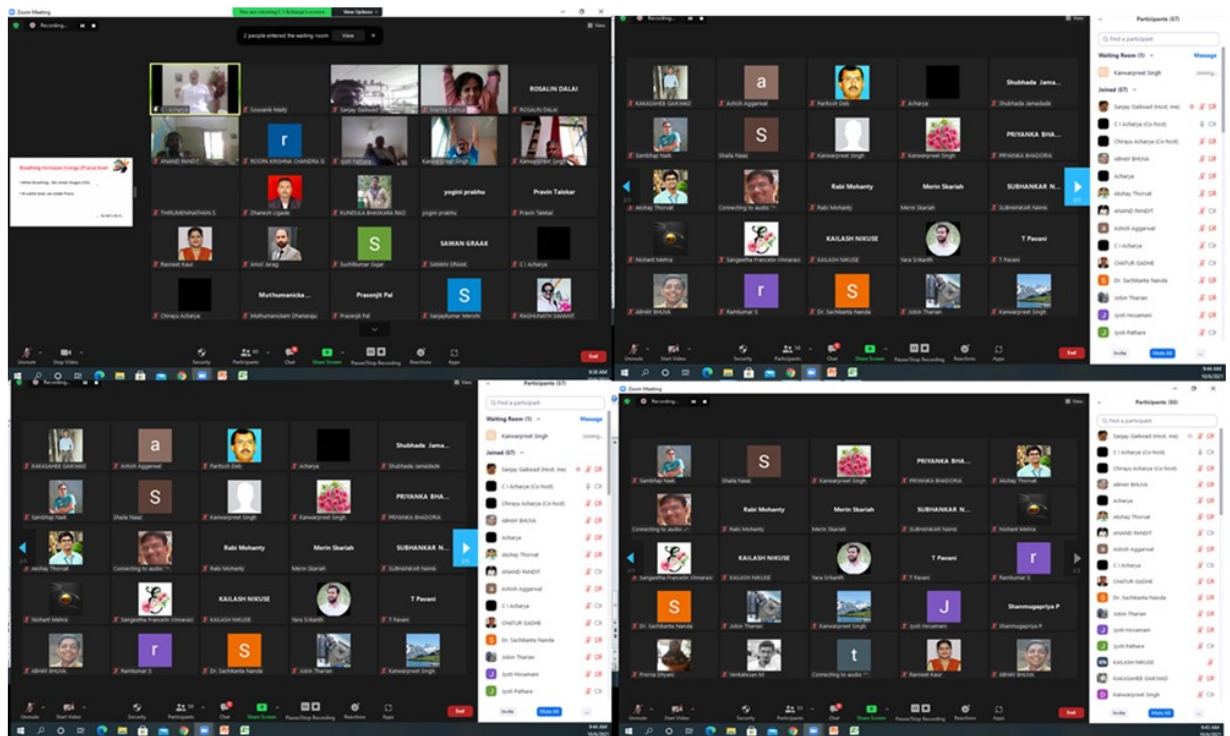
**Mr. Bedathala KirtiKumarReddy**

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**Participants During Feedback Session**



**Participants During online Session**



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**AICTE - ATAL - ONLINE FDP ON GIS: REMETE SENSING**  
 4<sup>TH</sup> - 8<sup>TH</sup> Oct. 2021

### Summary of Participants Feedback

Thrust Area :	Engineering
Sub-thrust Area :	GIS & Remote Sensing
FDP Title :	GIS & Remote Sensing
Workshop held at (Institute/ Organisation Name) :	Parvatibai Chowgule College of Arts and Science (Autonomous)
From:	10/4/2021
To :	10/8/2021
Course Code:	1614578385

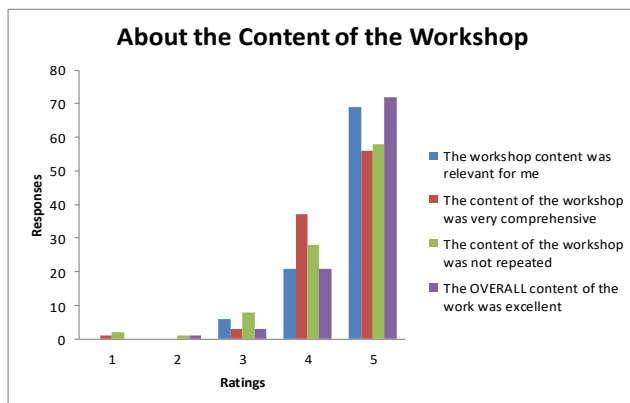


Fig. 1

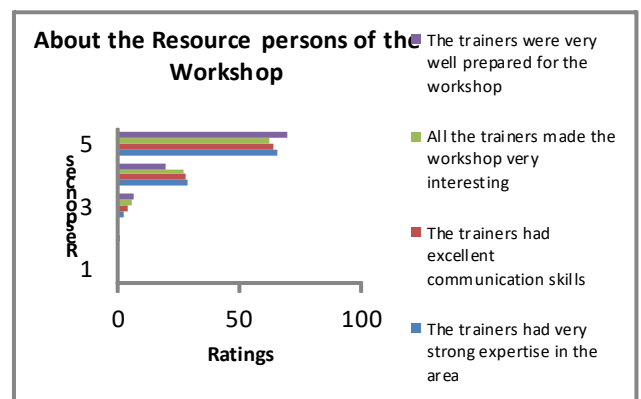


Fig. 2

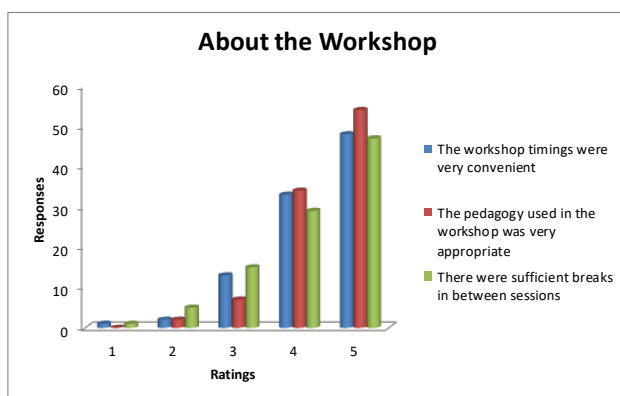


Fig. 3

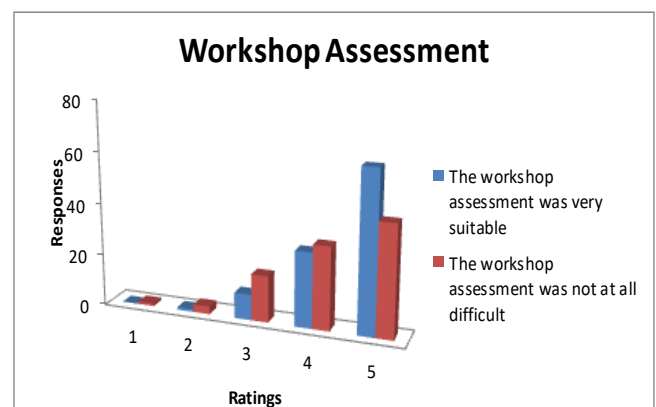


Fig. 4

Majority of participants have rated the Course Content, Resource persons, the timings, pedagogy, and assessment method in the range of 4 and 5.

### Summary of Participants Feedback

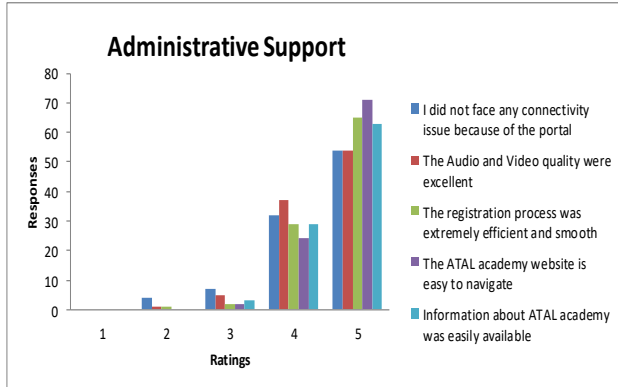


Fig. 5

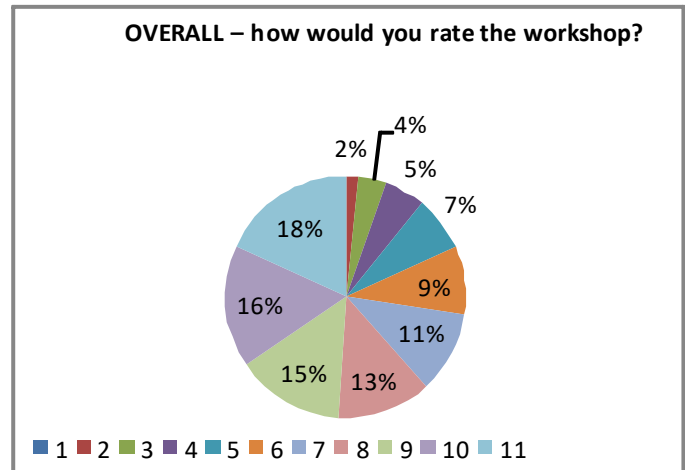


Fig. 6

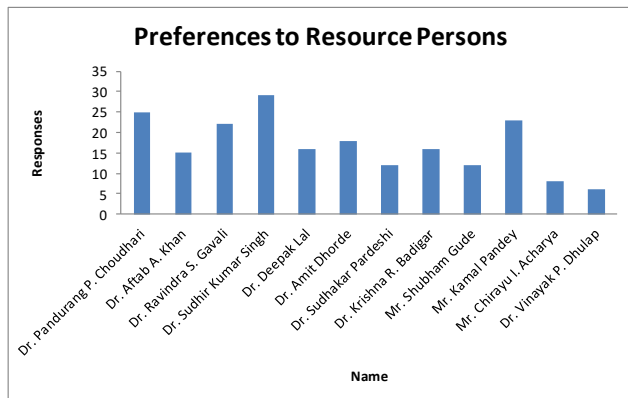


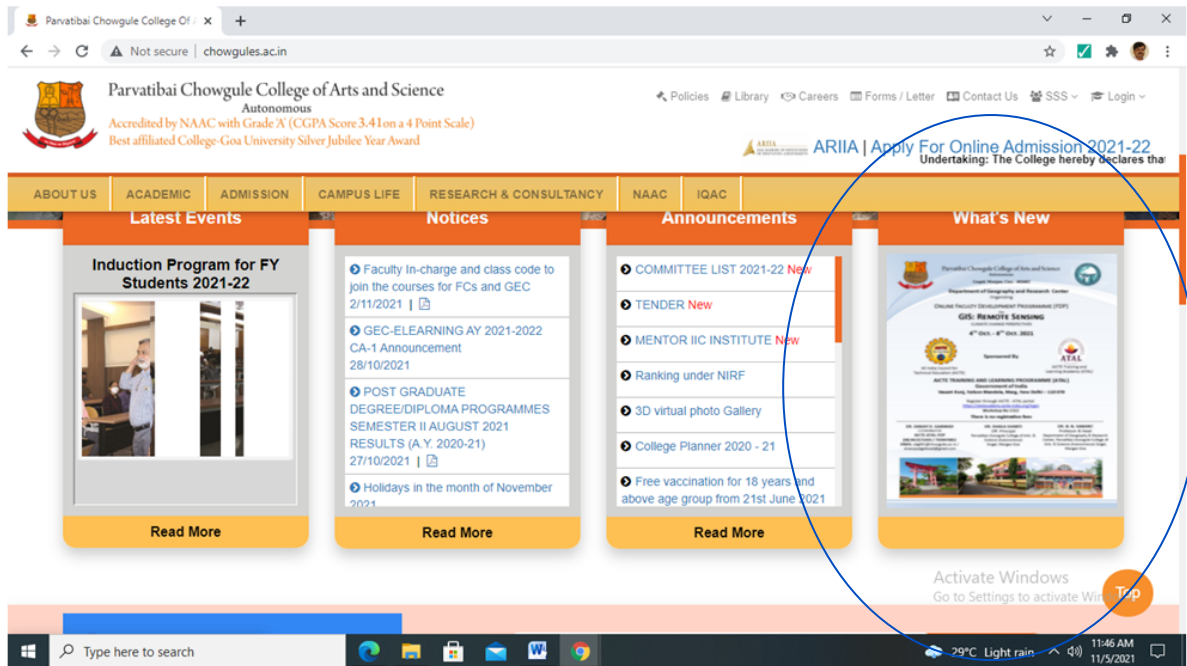
Fig. 7

Participants have rated this FDP 4 and 5 for administrative support and all resource persons were well appreciated by the participants. Overall the course is rated above 7 by most of the participants more than 50 percent have rated this FDP above 8. This is obvious from heterogeneous group of participants about 18 percent participants have rated this FDP at scale of 10. This also indicates that the group expects more modules and hands-on practical exposure through such courses.

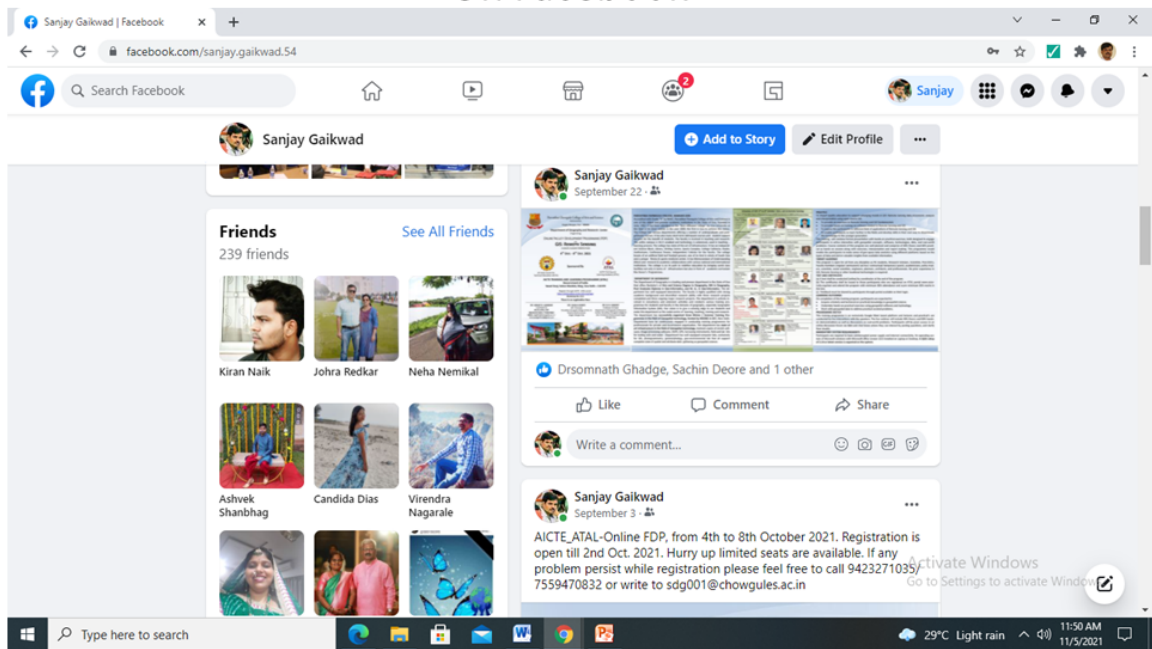
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## Media Coverage

### Published on Website of the Institute



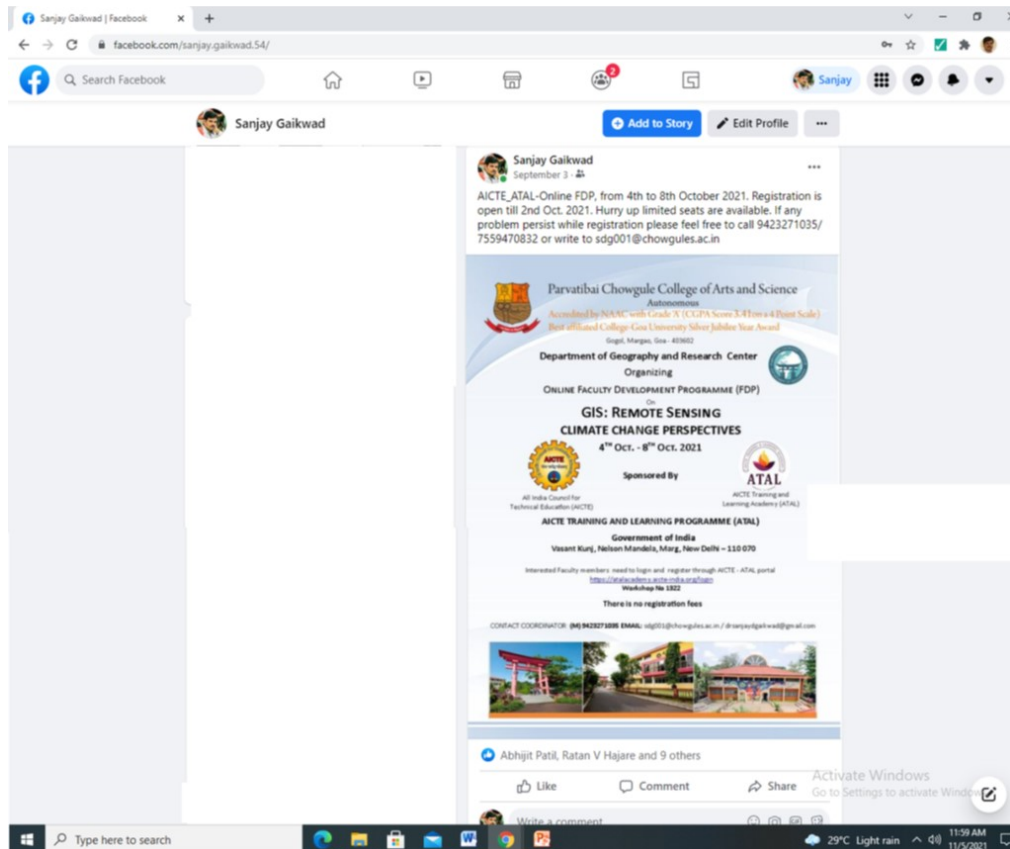
### On Facebook



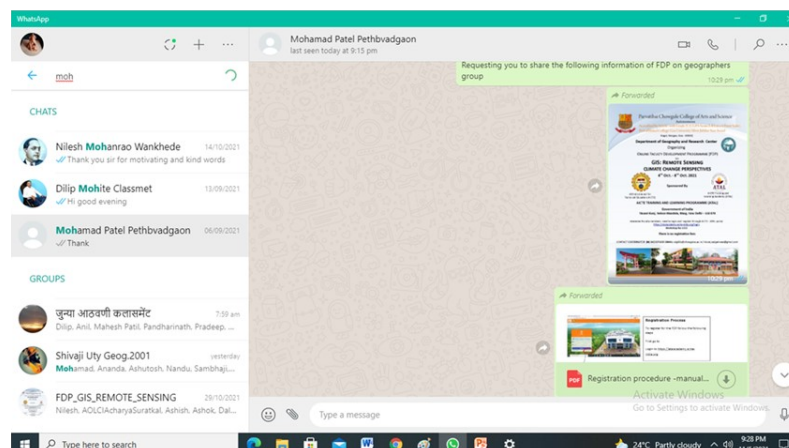
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## Media Coverage

### On Facebook



### On WhatsApp



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**LIST OF CANDIDATE SUCCESSFULLY COMPLETED PROGRAMME  
ON THE BASIS OF THE TEST CONDUCTED BY PROGRAMME COORDINATOR**

Sr. No.	Name	Email	Phone	Marks (out of 100)
1	AMOL PANDURANG JARAG	amol.jarag1212@gmail.com	8806536766	66
2	RAMKUMAR S	ramsvgrcivil@gmail.com	8870632299	60
3	ABHAY BHUVA	ap-b02@ganpatuniversity.ac.in	9924756347	72
4	SURABHI CHAND	surabhichand@yahoo.com	9897764179	80
5	MADHURI RAHUL MULAY	mrmulay@hotmail.com	9004429988	60
6	BHANUMATI. C. PILLI	bhanu16375@gmail.com	9421192746	64
7	RAHUL SURESH CHAURE	rahulschaure@gmail.com	8928301000	66
8	DHANESH NINGANNA LIGADE	dhanesh.ligade@gmail.com	9960994484	60
9	YOGINI PRABHUU	yoginip@unigoa.ac.in	9637559368	60
10	SAWAN GRAAK	graaksawan@gmail.com	7015806522	80
11	TANVEER ALI DAR	tdar@es.iitr.ac.in	7006253914	60
12	ASHWINI ASHISH	ashish.ashwini56@gmail.com	9890027338	66
13	PRAVIN RAGHUNATH TALEKAR	pravitalekar96@gmail.com	8796271328	60
14	BIJALI KAMBLE	bijalisunita@rediffmail.com	9421182558	60
15	RAM NIVAS GIRI	ramnivasgiri7@gmail.com	9340671432	66
16	NISHANT MEHRA	ernishantmehra@gmail.com	8894229008	76
17	CHANDRAPAL SINGH YADAV	cpy88521@gmail.com	9981290901	78
18	ASHOK S SANGLE	ashoka4it@gmail.com	8830994161	78
19	AMRUTA ABHIJIT CHAVAN	patilamruta911@gmail.com	8329847590	94
20	SHUBHADA SHARAD JAMADADE	shubhada5794@gmail.com	9834569391	96
21	SHAILA NAAZ	khanshailanaaz@gmail.com	8130686650	84
22	SAHIEEN	sahnsahn9912@gmail.com	7401608332	84
23	MAMTA DAHIYA	malik.mamta@gmail.com	9996236339	72
24	T PAVANI	pavani.tambur@gmail.com	7386705916	82
25	DEEPAK KUMBHAR	djk225@gmail.com	9545312356	60
26	PRASENJIT PAL	prasenjitpal@live.com	9434556148	64
27	SUSHILKUMAR PRALHAD GUJAR	sushilkumar@dbacap.edu.in	9423571951	64
28	BEDATHALA KIRTIKUMARREDDY	kirtheyreddy@gmail.com	7875483466	72



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Sr. No.	Name	Email	Phone	Marks (out of 100)
29	RAMHARI JALINDAR BAGADE	rjbagade@gmail.com	9881763396	66
30	PARITOSH DEB	paritoshdebo@gmail.com	7980679627	74
31	MR. NAIK SAMBHAJI KALLAPPA	sambhajinaik888@gmail.com	8080018734	60
32	KAKASAHEB SARJERAO GAIKWAD	gaikwadkaka99@gmail.com	9975533772	72
33	NILESH MOHANRAO WANKHADE	wankhadenm.dc@gmail.com	8378857424	66
34	VIKRAMSINH PAWAR PATIL	vickypawarpatil@gmail.com	7350809900	86
35	SANJANA SATISH MULAY	sanjana16081994@gmail.com	9833852477	60
36	THIRUMENINATHAN S	thirumeni95@gmail.com	9751802157	76
37	ASHISH AGGARWAL	aagarwal@ddn.upes.ac.in	9557654253	90
38	RANITH R	rajranith@nerci.in	7994329574	66
39	CHATUR PANDURANG GADHE	cpgadhe@gmail.com	9021962262	76
40	SUBHANKAR NAHA	subhankarnaha7@gmail.com	8670753293	78
41	JYOTI ANILKUMAR PATHARE	jpathare23@gmail.com	9403407292	78
42	PRERNA DHYANI	prernadh-yani287@gmail.com	8057331149	76
43	GAJANAN KRISHNA DHOBAL	gajanandho-bale42@gmail.com	9860129860	60
44	P. SHANMUGAPRIYA	shanmugapriyapal-anisamy96@gmail.com	8610732211	78
45	RISHIKESH KUSHWAHA	rshk88@gmail.com	8896452484	60
46	VIJAY DAGADU GAIKWAD	drvdgaikwad1@gmail.com	9423271033	64
47	KARTHIKKUMAR A	karthikku-mar164@gmail.com	9524286028	66
48	CHANDRESHBHAI G.PATEL	chandresh.patel@ganpatuniversity.ac.in	9825799472	64
49	SANJAYKUMAR ANNAPA MENASHI	skumarmenshi@gmail.com	9423276307	80
50	N S SUDARMANIAN	sudarnsagri@gmail.com	9629638628	74
51	G.SRINIVASAN	srinivasan993.sv@gmail.com	9965503593	72
52	ANEESHKUMAR N	akncusat@gmail.com	9419210601	66

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Sr. No	Name	Email	Phone	Marks (out of 100)
53	SOUVANIK MAITY	maitysouvanik@gmail.com	9153387286	82
54	SOURAV MUKHERJEE	sourav.mukherjee64@gmail.com	9804563790	78
55	ANAND PURUSHOTTAM PANDIT	appandit2007@gmail.com	9423433473	62
56	JOBIN C THARIAN	jobinct@shcollege.ac.in	9447212846	66
57	MURUGAN C	murugancraj@gmail.com	9952462635	64
58	RABI NARAYAN MOHANTY	rnmohanty.apd@iitbhu.ac.in	7381505488	68
59	JYOTI JAGADISH HOSAMANI	jyotihsnm@gmail.com	7720889292	60
60	VENKATESAN M	sathyavenkat2095@gmail.com	9626836673	78
61	RAGHUNATH NAVANATH SAWANT	raghunath-sawant89@gmail.com	9011662891	72
62	RAVNEET KAUR	er-ravneet.khangura@gmail.com	9646400782	60
63	THOUDAM SUDHA DEVI	tsdevi.amity@gmail.com	8989126007	60
64	ASHVEK SHANBHAG	ashvek.shanbhag@gmail.com	9021992055	72
65	MUTHUMANICKAM D	muthutnausac@gmail.com	9443933342	78
66	GULJA S NAIR	guljasnair@gmail.com	8592862213	60
67	DRESHHELL MARIA BARRETO	dreshbarreto@gmail.com	8390384727	60
68	ROOPA KRISHNA CHANDRA G	krishnaecealiet@gmail.com	9676790161	60
69	ROSALIN DALAI	rosalince@cet.edu.in	9437585643	82
70	SACHIKANTA NANDA	sachikan@srmist.edu.in	9884081794	62
71	F.SANGEETHA RANCELIN VIN-NARASI	fsangeetha@gmail.com	9962410718	60
72	J.T.ANITA ROSE	anita14swartz@gmail.com	9884248715	60
73	PRIYANKA BHADORIA	priyankait10@gmail.com	9584680390	62
74	SANJIV KUMAR PRADHAN	sai.sanjiv@gmail.com	9658420463	70
75	MERIN SKARIAH	merin.skariah@gmail.com	8606606606	88
76	MUDIGANDLA RAJESH	rajesh.rocken@gmail.com	9542322028	66
77	KANWARPREET SINGH	kanwarpreet.e9570@cumail.in	9815801325	60
78	KUNDULA BHASKARA RAO	bhaskar.mgeo@gmail.com	9032630474	68
79	AKSHAY RAJAN THORVAT	thorvat.akshay@kitcoek.in	8177967657	76
80	KEHINDE OYEYEMI	kdoyeyemi@yahoo.com	8039114029	80

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REMARK BY ORGANIZER

It was a great initiative by ATAL Academy. I am thankful to AICTE for giving me this opportunity to conduct online FDP for faculty members of geography, engineering, agronomy, life science, earth science and other allied disciplines related to application of GIS and Remote sensing.

To the appeal we got huge response form the likeminded faculty members across the country, faculty fro 21 states of India. In total 149 participants have applied for the course and out off them 130 registered with zoom meet for regular session. To the end of the course 93 participant appeared the course end test of them 80 have become eligible for FDP completion certificate.

The overall course was well appreciated by the participants and that has reflected in the feedback and their regular response during the FDP and after the programme. This FDP have built new links with faculty and their institutes with the Department of Geography and Parvatibai Chowgule College. We got lot of complements for arranging the online FDP on GIS & remote Sensing. The study material was shared using Google classroom platform where participant liked the timely sharing of data, software, information and reading material, and link for lecture videos that has helped learners in a greater way.

The programme also improved academic and research links with national level reputed institutes, and universities. This also introduced new research frontiers in geography and GIS applications in the field of environment, engineering and the social sciences.

Overall this FDP has helped us to built upon and come with the hope of submitting more such sort of proposal to AICTE ATAL Academy and other National bodies.

Dr. Sanjay D. Gaikwad  
Assistant professor & FDP Coordinator  
Department of Geography & Research Center  
Parvatibai Chowgule College of Arts and Science (Autonomous)  
Margao-Goa

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HUMAN RESOURCE DEVELOPMENT CENTRE  
RASHTRASANT TUKADOJI MAHARAJ NAGPUR  
UNIVERSITY, NAGPUR



(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Universities Act, 2016. (Mah. Act No. VI of 2017))

## UGC SPONSORED ONLINE REFRESHER COURSE

### *Certificate of Participation*

*This is to certify that Dr./Mr./Miss./Mrs. Sobita Vishal Kirtani, Assistant Professor, Parvatibai Chowgule College of Arts and Science (Autonomous), Margao, Goa, affiliated to Goa University, Goa, participated in the Online Refresher Course in Sociology, Social Work, Public Administration, Psychology from 16<sup>th</sup> August to 28<sup>th</sup> August, 2021 and obtained Grade A.*

COORDINATOR

DIRECTOR

VICE-CHANCELLOR



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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### AICTE Training and Learning (ATAL) Academy

# *Certificate*

This is certified that **Sameena Falleiro**, Associate Professor of **Parvatibai Chowgule College of Arts and Science, Margao, Goa: 403602** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP on "Stress busting meditation sittings"** from **20/09/2021** to **24/09/2021** at **NIT Arunachal Pradesh**.

Advisor-I, ATAL Academy  
Mamta Rani Agarwal



Coordinator



CARMEL COLLEGE OF ARTS, SCIENCE AND COMMERCE FOR WOMEN  
NUVEM - GOA

# CERTIFICATE OF PARTICIPATION

This certificate is presented to

*Shubhankar Shah*

for participating in the ONE-DAY NATIONAL-LEVEL WORKSHOP ON  
RESEARCH METHODOLOGY organised by the Department of English, Carmel  
College for Women, Nuvem - Goa on the 27th of November 2021.

**Dr. Sr. Maria Lizanne A.C.**  
Officiating Principal



**Dr. Glenis Mendonça**  
Coordinator



भारत सरकार

Government of India

भारतीय भूवैज्ञानिक सर्वेक्षण प्रशिक्षण संस्थान, हैदराबाद

Geological Survey of India Training Institute, Hyderabad



प्रमाणपत्र / **Certificate**  
प्रमाणित किया जाता है कि

Malcolm Afonso

ने PGRS प्रभाग, भारतीय भूवैज्ञानिक सर्वेक्षण प्रशिक्षण संस्थान, हैदराबाद द्वारा 03.09.2021 से 03.10.2021 तक आयोजित *Application of Remote Sensing In Mineral Exploration* प्रशिक्षण पाठ्यक्रम को ऑनलाइन प्रशिक्षण के रूप में सफलतापूर्वक पूर्ण किया तथा B+ ग्रेड प्राप्त किया ।

*Certified that*  
Malcolm Afonso

*has successfully completed the Online Training on Application of Remote Sensing In Mineral Exploration conducted through GSITI website, Hyderabad from 03-09-2021 to 03-10-2021 and secured B+ Grade.*

Grade	A+	A	B+	B	C
Percentage	>90%	80% -89%	70% -79%	60% -69%	50% -59%

(हैदराबाद / Hyderabad)

( 04-09-2021 )

(सीएच. वेंकटेश्वर राव / Ch. Venkateswara Rao)

उप महानिदेशक एवं प्रमुख : मिशन- V / Deputy Director General & Head: Mission - V



Guru Angad Dev  
Teaching Learning Centre  
A Centre of Ministry of Education  
under PMMMNMTT



सत्यमेव जयते  
Government of India  
Ministry of Education



Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray Arts  
Science & Commerce College  
Nashik

# Certificate

04<sup>th</sup> May 2022 to 10<sup>th</sup> May 2022

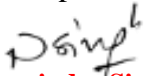
FACULTY DEVELOPMENT PROGRAM


*ICT Enabled Teaching in Higher Education*

This is to certify that

**DR. SANKRITA GAONKAR** of **PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE,  
AUTONOMOUS, GOA UNIVERSITY**

has **successfully completed** One-Week Online National Faculty Development Program jointly organized by Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray Arts, Science and Commerce College, Nashik and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to face to face one week FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained **Grade "A+"** as required for promotion under CAS of UGC and AICTE.

  
**Prof. Jaswinder Singh**  
Principal  
S.G.T.B. Khalsa College  
University of Delhi

  
**Dr. B.S. Jagdale**  
Trustee, MGV  
Principal  
LVH College, Nashik

  
**Prof. Vimal Rarh**  
Project Head & Joint Director  
GAD-TLC of Ministry of  
Education



One Week Online International Faculty Development Programme on  
Research Methodology

Jointly Organized by

**DEPARTMENT OF HUMAN RESOURCE DEVELOPMENT**

Veer Narmad South Gujarat University,  
Udhana Magdalla Road, Surat

&

Managed by Jivan Jyot Trust

**J. Z. SHAH ARTS & H. P. DESAI COMMERCE COLLEGE, AMROLI - SURAT**

Re-accredited "B++" Grade with CGPA 2.94 by NAAC

Grant-in-aid College Affiliated to Veer Narmad South Gujarat University, Surat

In Association with IQAC



Reg. No.: 85

Date : 28<sup>th</sup> August, 2021

*Certificate*

This is to certify that MS. ASHWETA ANAND FONDEKAR from PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE MARGAO-GOA has participated in One Week Online International Faculty Development Programme on "Research Methodology" from 23rd to 28th August, 2021 on ZOOM Platform.

*m.B.Shah*

Dr. Mehul B. Shah  
Co-ordinator

*Dr. Bhavesh Vanparia*

Dr. Bhavesh Vanparia  
Co-ordinator

*Dr. Rajesh D. Rana*

Dr. Rajesh D. Rana  
Principal I/C, Amroli College

*K N Pandya*

Dr. Kiran Pandya  
HOD, Dept. of HRD, VNSGU

ICAR-DMR/TOT/Online Training/2021-22(15)/ 00023



# ICAR-Directorate of Mushroom Research

(Indian Council of Agricultural Research)

Chambaghat, Solan (HP) – 173213, INDIA

## Certificate

This is to certify that

**Mr./Ms./Dr. Hashma Mujawar**

has successfully completed

**Online Training Programme on Mushroom Cultivation**

from 22-26 November, 2021

Organized by ICAR-Directorate of Mushroom Research, Solan (HP).

(Satish Kumar)  
Course Coordinator

(V. P. Sharma)  
Director



Guru Angad Dev  
Teaching Learning Centre  
A Centre of Ministry of Education  
under PMMMNMTT



सत्यमेव जयते  
Government of India  
Ministry of Education



Sri Guru Tegh Bahadur  
Khalsa College  
University of Delhi

# Certificate

**FACULTY DEVELOPMENT PROGRAM**

25<sup>th</sup> January to 31<sup>st</sup> January 2022

***Developing Positive Mental Health for Teaching-Learning Environment***

This is to certify that

**MRS. CAROL BARRETO MIRANDA, PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE**

has **successfully completed** One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, a Centre under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education, SGTB Khalsa College, University of Delhi. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained **Grade "A"** as required for promotion under CAS of UGC and AICTE.

Prof. Jaswinder Singh  
Principal, S.G.T.B Khalsa College  
University of Delhi

Prof. Vimal Rarh  
Project Head & Joint Director  
GAD-TLC of Ministry of Education

**UNIQUE CERTIFICATE No: OFDP-71/059**



**NATIONAL HYDROLOGY PROJECT**  
**NATIONAL INSTITUTE OF HYDROLOGY**  
**ROORKEE**



# CERTIFICATE

*This is to certify that*

*Malcolm Afonso*

*has participated in the on-line training course on*

**“Water Quality Assessment and Management”**  
 (Dec 06 - 10, 2021)

*Organised by*

*National Institute of Hydrology (NIH), Roorkee*

*Under*

*National Hydrology Project (NHP)*

*The aim of the Training course was to provide necessary skills and knowledge on Water Quality Assessment and Management and Application of Advance Instrumentation in Water Quality.*

**Anjali**

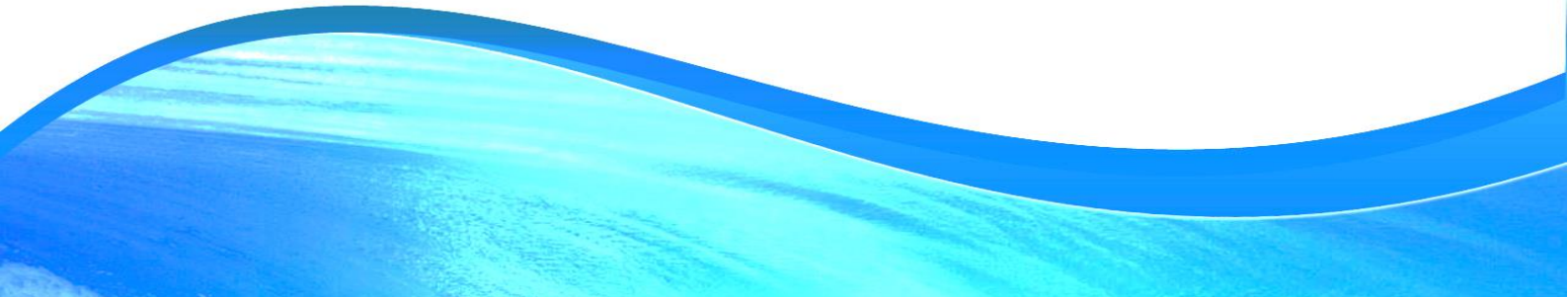
Scientist B & Course Coordinator  
 National Institute of Hydrology, Roorkee

**M.K Sharma**

Scientist E & Course Coordinator  
 National Institute of Hydrology, Roorkee

**J.V. Tyagi**

Director  
 National Institute of Hydrology, Roorkee





सत्यमेव जयते

भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास, और गंगा संरक्षण विभाग  
केन्द्रीय जल आयोग  
राष्ट्रीय जल अकादमी, पुणे

प्रशिक्षण पूर्णता प्रमाणपत्र

# Certificate of Accomplishment

This is to certify that

**SHRI MALCOLM AFONSO**

has participated in the

Training Program Through Distance Learning on

**“Introduction to Python Programming & Its Applications in  
Water Resources Sector”**

Conducted by National Water Academy, Pune

13<sup>th</sup> to 24<sup>th</sup> December 2021

*K. S. Chaitanya*

चैतन्य के एस  
कार्यक्रम निदेशक

*अशोक कुमार खरया*

अशोक कुमार खरया  
मुख्य अभियंता



# National Institute of Technology

Department of Food Process Engineering  
Rourkela - 769008, Odisha, India



*Karyashala*

*Certificate of Participation*

This certificate is awarded to appreciate  
**Dr. STARLAINE MASCARENHAS**



*for successfully participating in five days DST-SERB sponsored Karyashala, High-End International Workshop on “Technologies for Increasing the Shelf-Life of Perishable Foods”(Online Mode) organized by the Department of Food Process Engineering, National Institute of Technology, Rourkela, Odisha, from 13<sup>th</sup> to 17<sup>th</sup> December, 2021.*

Coordinator

**Dr. V. Arun Prasath**

Assistant Professor, NIT Rourkela

Co- Coordinator

**Dr. Rama Chandra Pradhan**

Associate Professor, NIT Rourkela

Chairman

**Dr. Parag Prakash Sutar**

Associate Professor and Head, NIT Rourkela



Guru Angad Dev  
Teaching Learning Centre  
A Centre of Ministry of Education  
under PMMMNMTT



सत्यमेव जयते  
Government of India  
Ministry of Education



Sri Guru Tegh Bahadur  
Khalsa College  
University of Delhi

# Certificate

**FACULTY DEVELOPMENT PROGRAM**

25<sup>th</sup> January to 31<sup>st</sup> January 2022

***Developing Positive Mental Health for Teaching-Learning Environment***

This is to certify that

**DR.(MS).SAMEENA FALLEIRO, PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE,  
AUTONOMOUS**

has **successfully completed** One Week Online National Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, a Centre under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education, SGTB Khalsa College, University of Delhi. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to one week face to face FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained **Grade "A+"** as required for promotion under CAS of UGC and AICTE.

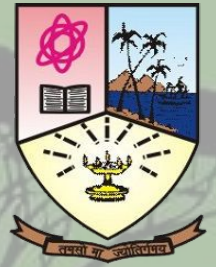
  
**Prof. Jaswinder Singh**  
Principal, S.G.T.B Khalsa College  
University of Delhi

  
**Prof. Vimal Rarh**  
Project Head & Joint Director  
GAD-TLC of Ministry of Education

**UNIQUE CERTIFICATE No: OFDP-71/224**



DCT's  
**Dhempe College of Arts & Science**



Re-accredited at 'A' Grade by NAAC with 3.20 CGPA

ISO 9001:2015 certified

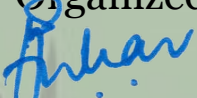
Green Certification: Level III GSCP-01-2010

**Certificate of Participation**

This is to certify that **Dr. Starlaine Mascarenhas** of **Parvatibai Chowgule College of Arts and Science** has attended National Webinar on **“SCOPE OF WILDLIFE BIOLOGY”**

held on **12<sup>th</sup> August 2021**

Organized by Department of Zoology, Dhempe College of Arts & Science

  
Mrs. Suchana Amonkar  
Convener,  
Head of Department

  
Dr. Trupti Jadhav  
Organizing Secretary

  
Prof. Vrinda Borker

Made for free with Certify'em



# University Grants Commission




UGC - Human  
Resource  
Development  
Centre



Savitribai  
Phule Pune  
University

*This is to Certify that  
Ms. Swati Santosh Ghadi, Assistant  
Professor at Parvatibai Chowgule College of  
Arts and Science (Autonomous), Margao  
Goa, affiliated to Goa University has  
participated in the Refresher Programme in  
Earth Sciences (Geology) conducted at the  
Department of Geology, Savitribai Phule  
Pune University Pune 411007, from  
12/02/2022 to 25/02/2022 under the UGC  
Scheme and has obtained grade 'A'*

  
COORDINATOR

  
DIRECTOR

  
REGISTRAR

Grade Scale : A+ : 85% and Above A : 70 - 84% B : 60 - 69% C : 50 - 59% F : 49%

" WE GALVANIZE ATTITUDE "



# UGC-HUMAN RESOURCE DEVELOPMENT CENTRE UNIVERSITY OF HYDERABAD



Hyderabad - 500 046

## CERTIFICATE OF PARTICIPATION

This is to certify that Dr. Lactina Regina Gonsalves, Assistant Professor in Chemistry, Parvatibai Chowgule College of Arts and Science, Margao-Goa has successfully completed one week online **Short Term Program on Building Capacities of Teachers in Blended Learning** organized by the Human Resource Development Centre, University of Hyderabad from 14th to 19th March, 2022.

Y. Narasimhulu  
Director and Course Coordinator

Certificate ID: HRDCSTPBL01



GIPARD

## Goa Institute of Public Administration & Rural Development

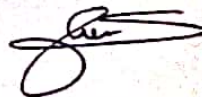
(A Registered Society under the Department of Personnel, Govt. of Goa – State ATI and SIRD&PR, Goa)  
Ella Farm, Old Goa, Goa. 403 402

**CERTIFICATE**

This is to certify that Trupti Fal Dessai has attended the  
*Training Programme for Capacity Building of Officers under Component 'C' of National Cyclone  
Risk Mitigation Project (NCRMP) - Phase II*

held from 6<sup>th</sup> to 8<sup>th</sup> April, 2022 organized by  
*Goa Institute of Public Administration & Rural Development, in collaboration with  
Revenue Department, Govt. of Goa & Water Resource Department, Govt. of Goa.*

  
Arlette Mascarenhas  
Course Director  
GIPARD

  
Sanjay Gihar, IAS  
Director General

Email: [gird.goa@nic.in](mailto:gird.goa@nic.in) Ph.: (0832) 2953985 / 2953986 / 2953987 Website: [www.gipard.gov.in](http://www.gipard.gov.in)


# CERTIFICATE of participation

This is to certify that

Ms Madhavi M. Motankar

---

has participated in the Online Science Communication Workshop  
held on 18-19 January 2022 organised by DBT/Wellcome Trust India Alliance  
for Chandigarh Group of Colleges.



**Dr Jyotsna Dhawan**

CEO, DBT/Wellcome Trust India Alliance



Guru Angad Dev  
Teaching Learning Centre  
A Centre of Ministry of Education  
under PMMMNMTT



सत्यमेव जयते  
Government of India  
Ministry of Education



Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray Arts  
Science & Commerce College  
Nashik

# Certificate

04<sup>th</sup> May 2022 to 10<sup>th</sup> May 2022

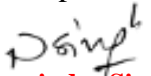
FACULTY DEVELOPMENT PROGRAM


*ICT Enabled Teaching in Higher Education*

This is to certify that

**AMISHA RAJESH PEDNEKAR** of **PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE**  
(AFFILIATED TO GOA UNIVERSITY)

has **successfully completed** One-Week Online National Faculty Development Program jointly organized by Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray Arts, Science and Commerce College, Nashik and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to face to face one week FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained **Grade "A+"** as required for promotion under CAS of UGC and AICTE.

  
**Prof. Jaswinder Singh**  
Principal  
S.G.T.B. Khalsa College  
University of Delhi

  
**Dr. B.S. Jagdale**  
Trustee, MGV  
Principal  
LVH College, Nashik

  
**Prof. Vimal Rarh**  
Project Head & Joint Director  
GAD-TLC of Ministry of  
Education

UNIQUE CERTIFICATE No: OFDP-82/003



Guru Angad Dev  
Teaching Learning Centre  
A Centre of Ministry of Education  
under PMMMNMTT



सत्यमेव जयते  
Government of India  
Ministry of Education



Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray Arts  
Science & Commerce College  
Nashik

# Certificate

04<sup>th</sup> May 2022 to 10<sup>th</sup> May 2022

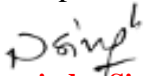
FACULTY DEVELOPMENT PROGRAM


*ICT Enabled Teaching in Higher Education*

This is to certify that

**SUSHAMA PRADEEP SALGAONKAR** of **PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE -GOA UNIVERSITY**

has **successfully completed** One-Week Online National Faculty Development Program jointly organized by Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray Arts, Science and Commerce College, Nashik and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education. This was conducted in online mode with one week's involvement in a flexible mode. This online FDP is equivalent to face to face one week FDP. The one week's involvement included attendance during live/recorded sessions, hands on activities, submission of quizzes, assignments and project. The participant has obtained **Grade "A"** as required for promotion under CAS of UGC and AICTE.

  
**Prof. Jaswinder Singh**  
Principal  
S.G.T.B. Khalsa College  
University of Delhi

  
**Dr. B.S. Jagdale**  
Trustee, MGV  
Principal  
LVH College, Nashik

  
**Prof. Vimal Rarh**  
Project Head & Joint Director  
GAD-TLC of Ministry of  
Education

UNIQUE CERTIFICATE No: OFDP-82/097



# Goa University School of Chemical Sciences



## Certificate of participation

This is to certify that ..... Dr.R.Kanchana  
of ..... Parvatibai Chowgule College of Arts & Science,  
..... Autonomous, Margao, Goa  
has participated in the webinar entitled '**Mending academic  
talent for industrial applications**' held on 28<sup>th</sup> February, 2022 in  
celebration of National Science Day at School of Chemical  
Sciences, Goa University.

Prof. V. M. S. Verenkar  
Dean

Dr. K. T. Dhavskar  
Convener

Dr. S. A. Kundaikar  
Co-convener

Dr. P. S. Volvoikar  
Co-convener





BlueCrest  
University  
College



SCHOOL OF  
HOSPITALITY,  
TOURISM & EVENTS

**RESEARCH INDIA FOUNDATION (RIF), INDIA**

BLUECREST UNIVERSITY COLLEGE, LIBERIA TAYLOR'S UNIVERSITY, MALAYSIA

**INTERNATIONAL FACULTY DEVELOPMENT PROGRAM (FDP)-cum-WORKSHOP**

**CREATING AND FLOATING MOOCS ON NPTEL-SWAYAM,  
UDEMY AND COURSERA PLATFORMS**

27th of February 2022

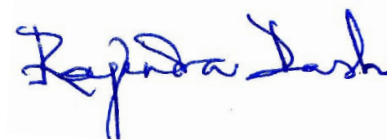
**CERTIFICATE OF PARTICIPATION**

IS PRESENTED TO



**Dr Rakesh Kumar Yadav**

**SECRETARY, RIF**



**Dr Rajendra Kumar Dash**

**ORGANIZING COMMITTEE CHAIRMAN**





# University Grants Commission Unnat Bharat Abhiyan (2.0)



## Western Regional Centre

**Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**  
**Community Based Participatory Research**

### Certificate of Participation

*This is to certify that*

*Dr Sachin Savio Moraes*

Assistant Professor

Parvatibai Chowgule College of Arts and Science-Autonomous  
Gogol, Goa University, Margao-403602, Goa

*has participated in a three-day Residential Master Trainers Training programme  
on Capacity Building for Community Based Participatory Research (CBPR)*

*under Unnat Bharat Abhiyan (2.0) from 20<sup>th</sup> to 22<sup>nd</sup> April 2022.*

*Dr. Rekha Sharma*  
**Dr. Rekha Sharma**  
Regional Coordinator

*Dr. Rajesh Tandon*  
**Dr. Rajesh Tandon**  
Subject Matter Expert

*Dr. Raju Hiwase*  
**Dr. Raju Hiwase**  
Registrar



# IPS Academy

Institute of Science and Research

**National Seminar on Recent Researches in Biofertilizers:  
From Lab to Commercialization**

**12th February, 2022**

Organized by

**Department of Biotechnology  
& IQAC**

## **CERTIFICATE OF PARTICIPATION**



This is to certify that **Dr.R.Kanchana** of **Parvatibai Chowgule college of Arts and Science Autonomous Margao Goa**

has participated in one day National Seminar on “Recent Researches in Biofertilizers: From Lab to commercialization” organized virtually by Department of Biotechnology, Institute of Science and Research, IPS Academy, Indore, M.P. on 12<sup>th</sup> February, 2022.

**Dr. Rajesh Khande**  
Coordinator

**Mrs. Pragya Goyal**  
Convener

**Dr. Premlata Gupta**  
Principal, IPSA



# GOVERNMENT COLLEGE OF ARTS, SCIENCE AND COMMERCE

QUEPEM - GOA  
(NAAC Accredited with A Grade)

## CERTIFICATE

This is to certify that ~~Prof./Dr./Mrs./Mr.~~ Sachin Savio Moraes  
of Parvatibai Chougule College, Margao  
has participated in the One Day Workshop on

**B.A. SEMESTER I - IV CBCS (GE, SEC)**  
SYLLABUS IN SOCIOLOGY

Organised by the Department of Sociology on 25<sup>th</sup> April 2022.

Bhattacharya

PROF. JOYDEEP BHATTACHARJEE

(Principal)

PRINCIPAL  
College of Arts, Science & Commerce  
QUEPEM-GOA



Riyanka Velip

RIYANKA VELIP  
(Convenor)



Goa State Council for Science & Technology, Saligao, Bardez-Goa &  
VVM's Govind Ramnath Kare College of Law, Margao-Goa

*Jointly with*

Technology, Information, Forecasting & Assessment Council  
(TIFAC), New Delhi

### CERTIFICATE OF PARTICIPATION

This is to certify that *Mr./Ms./Mrs. Madhavi M. Mutankar*  
from *Parvatibai Chowgule College of Arts and Science, Margao*  
has attended One Day National Level Workshop on Importance of IPRs Patent Processing  
and role of Patent Agent" held on 23<sup>rd</sup> December, 2021 at VVM's Govind Ramnath Kare  
College of Law, Margao-Goa.

Dr. YASHWANT DEV PANWAR  
Scientist F, TIFAC,  
New Delhi

DR. SARA V.M. DA SILVA  
Principal, VVM's Govind Ramnath  
Kare College of Law

PROF. PRADEEP V. MORAJKAR  
Member Secretary,  
GSCST



COLLEGIATE EDUCATION  
& TECHNICAL EDUCATION  
DEPARTMENT  
GOVT. OF TELANGANA

Sl.No. : 5187/R2022

National Level Workshop on  
**Curriculum Framework**

For Implementation of  
**National Education Policy (NEP) 2020**  
In Universities, Engineering Colleges and Degree Colleges

**CERTIFICATE**  
OF PARTICIPATION

This is to certify that Prof./Dr.Mr.Ms. **Dr. Meghana Devli, Associate Professor, Geology, Parvatibai Chowgule College of Arts and Science (Autonomous)** has participated in the two day online "**National Level Workshop on Curriculum Framework 2022 for Universities, Engineering Colleges and Degree Colleges**" held on 21st & 22nd March 2022 conducted by "Institute for Academic Excellence, Hyderabad" in collaboration with "Collegiate Education & Technical Education Department, Govt. of Telangana."

**DIRECTOR**

Institute for Academic Excellence, Hyderabad.

**COMMISSIONER**

Collegiate Education & Technical Education Department,  
Govt. of Telangana.

# Webinar Training on Flood Mapping using SAR

## Certificate of Participation

THIS IS TO CERTIFY THAT

**Malcolm Lelis Afonso**

---

has successfully participated in the "Webinar Training on Flood Mapping using SAR (SNAP & PYTHON)" on 26 June 2021 at TGIS Online Platform, Ahmedabad (Gujarat).



---

**ABHINAV MEHTA**  
Founder Director-TGIS



---

**JOYEETA PODDAR**  
Project Scientist-RSACUP



CIN: U80901TN2013PTC092934

**FOURSTEPS TRAINING  
SOLUTIONS PRIVATE LIMITED  
CHENNAI, INDIA**

# CERTIFICATE OF COMPLETION

THE CERTIFICATE IS PROUDLY PRESENTED TO

**Malcolm Afonso**

**FOR SUCCESSFULLY COMPLETING  
ADVANCE PYTHON  
PROGRAMMING**

**DATE 30/ JULY/ 2021**



**C NO # FSTS2021/566**

A handwritten signature in white ink, appearing to read "J. Sam", is written over a horizontal white line.

**CEO - FOURSTEPS**



Aug 28, 2021

Swati Santosh Ghadi

has successfully completed

Oil & Gas Industry Operations and Markets

an online non-credit course authorized by Duke University and offered through Coursera

A handwritten signature in black ink, appearing to read "Lincoln Pratson".

Lincoln Pratson  
Gendell Professor of Energy & Environment  
Nicholas School of the Environment

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/7LZ2UGFLCDYY](https://coursera.org/verify/7LZ2UGFLCDYY)

Coursera has confirmed the identity of this individual and their participation in the course.





CERTIFICATE OF COMPLETION

# Malcolm Afonso

HAS SUCCESSFULLY COMPLETED THE COURSE

## Intro to Machine Learning

---

ON SEPTEMBER 10, 2021

A handwritten signature in black ink that reads "Dan Becker". The signature is written in a cursive style with a horizontal line underneath.

DAN BECKER, KAGGLE INSTRUCTOR

A handwritten signature in black ink that reads "Alexis Cook". The signature is written in a cursive style with a horizontal line underneath.

ALEXIS COOK, HEAD OF KAGGLE LEARN



Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

## CERTIFICATE

This is to certify that, **DR. R. KANCHANA**, FACULTY of **PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE** has successfully participated in IP Awareness/Training program under  
**NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**

on December 20,2021

Organized by  
**Intellectual Property Office, India**



Date: January 21, 2022

  
(RAJENDRA RATNOO, IAS)  
CONTROLLER GENERAL OF  
PATENTS, DESIGNS & TRADE MARKS

## Certificate of Participation

This is to acknowledge

**Swati Santosh Ghadi**

Attended

**Faculty Knowledge Sharing Program**

On

**“Psychometric Approach to Student Assessment”**

**Speaker** : Dr. Arunabala

**Host** : ICFAI Business School, Bangalore

**Date** : 26-Sep-2021

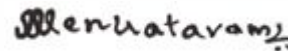
**Place** : Bangalore



**Program Coordinator**



**Academic Coordinator**



**Placement Coordinator**



**Campus Director**

Dated: 08/02/2022



# Department of Botany Goa University

## Certificate of Participation

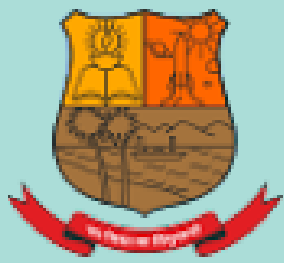
*This is to certify that Ms. Madhavi M. Motankar attended two days National Webinar on "Advances in Plant Sciences" organized by the Department of Botany, Goa University, on 3rd & 4th February 2022.*

---

*Prof. S. Krishnan,  
Convenor,  
Head, Dept. of Botany*

---

*Dr. Siddhi K. Jalmi  
Organizing Secretary,  
Dept. of Botany*



Parvatibai Chowgule College of Arts and Science

Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale)

Best affiliated College-Goa University Silver Jubilee Year Award



## *Certificate of Participation*

This is awarded to

**Ms. Swati Ghadi**

For participating in **"OUTCOME BASED EDUCATION MAPPING"**

Workshop on **Tuesday, 07th December 2021**, in

**Parvatibai Chowgule College of Arts & Science.**

**Dr. Shaila Ghanti**  
OFFG. Principal

**Dr, Sameena Falleiro**  
CTL Director



Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

## CERTIFICATE

This is to certify that, **MR. MALCOLM AFONSO** , FACULTY of **PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE** has successfully participated in IP Awareness/Training program under  
**NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**

on December 20,2021

Organized by  
**Intellectual Property Office, India**



Date: January 21, 2022

  
(RAJENDRA RATNOO, IAS)  
CONTROLLER GENERAL OF  
PATENTS, DESIGNS & TRADE MARKS

Sateri Pisani Education Society's  
Shri. Gopal Gaonkar Memorial

# Goa Multi-Faculty College

NH-4A, Ponda-Belgaum Road, Dayanand Nagar, Near Sanjeevani Sugar Factory, Dharbandora - Goa

## CERTIFICATE OF PARTICIPATION

*Presented to*

**Dr. R.Kanchana**

of **Parvatibai Chowgule College of Arts & Science, Autonomous, Margao, Goa** for participating in State Level Webinar held on the occasion of National Science Day on the topic **“Security Intelligence on Cyber Crime : Device Targeted”** on 28<sup>th</sup> February 2022.

**Mr. Dinesh Paranthagan**  
Resource Person  
Founder & CEO  
Hackup Technology Pvt. Ltd.  
Coimbatore

**Ms. Anaya Mulik**  
Assistant Professor  
Event Co-coordinator

**Ms. Nilaxi Chari**  
Assistant Professor  
Event Coordinator

**Prof. (Dr.) Shaikh Mohammad Parvez  
Al-Usmani**  
Professor and Principal

**Southern Regional Centre**

House No. 233/GH-2,  
Vasudha Housing Colony,  
Alto-St. Cruz, Tiswadi,  
Goa - 403 202

Tel. 245 9306, 245 9328  
E-mail teriwrc@teri.res.in  
Fax 245 9338  
India + 91 • Goa (0) 832

Darbari Seth Block  
I H C Complex, Lodhi Road  
New Delhi - 110 003

Tel. (11) 2468 2100 or 7110 2100

E-mail mailbox@teri.res.in

Fax (11) 2468 2144 or 2468 2145

**North-Eastern Regional Centre**  
Guwahati

Tel. (361) 233 4790

E-mail terine@teri.res.in

Fax (361) 233 4869

**Southern Regional Centre**  
Bangalore

Tel. (80) 2535 6590 (5 lines)

E-mail terisrc@teri.res.in

Fax (80) 2535 6589

**Western Regional Centre**  
Mumbai

Tel. (22) 2758 0021 or 4024 1615

E-mail terimumbai@teri.res.in

Fax (22) 2758 0022

**Himalayan Centre**  
Mukteshwar

Tel. (5942) 286 433

E-mail praveen.sharma@teri.res.in

Fax (5942) 286 460/433

**TERI Japan**  
Tokyo

Tel. (+81 3) 3519 8970

E-mail teri@iges.or.jp

Fax +81 33 5195 1084

To,

Date:30/03/2022

Mr. Malcolm Afonso  
Assistant Professor,  
Chowgule college,  
Goa

**Sub: Letter of Participation on DST, GoI workshop organized by TERI & NIT  
Goa on 30<sup>th</sup> March 2022, in Margoa Goa.**

Respected Sir,

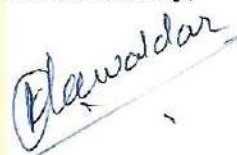
We are writing this letter to acknowledge your presence in our workshop '**Demand Driven Mission - Water Technology Initiative: Off the grid sensor-controlled irrigation using bank filtration technology**' organized by The Energy and Resources Institute (TERI) in association with National Institute of Technology, (NIT), Goa on 30<sup>th</sup> March 2022.

We hope that this workshop was very informative for you. We did our best to create a platform to provide information and generate awareness about different technologies available for clean water supply.

We look forward to having productive working relation ahead.

Thanking you

Yours sincerely,



Ms. Kavita Patil

Fellow, TERI

(Project Coordinator)



Devi Sharvani Education Society's  
**V. M. SALGAOCAR COLLEGE OF LAW**

***CERTIFICATE OF PARTICIPATION***

This is to certify

**Shubhankar Shah**

For attending Presentation on 'Dayanand Bandodkar: Making of a Mass Leader' on Feb 18, 2022.

By Meghana Kapdi, Asst Prof. in History, V. M. Salgaocar College of Law



**Dr. Shabir Ali G**

Principal, V. M. Salgaocar  
College of Law



**CENTRE for POLITICAL  
LEADERSHIP**



**Ramrai Naik**

Director, Centre for  
Political Leadership



# 3rd (Virtual) Australian Bioprinting Workshop for Tissue Engineering and Regenerative Medicine

Oct 4 - 5, 2021

## Certificate of Attendance

**Starlaine Mascarenhas**

participated in the

**3<sup>rd</sup> Australian Bioprinting Workshop for Tissue Engineering and Regenerative Medicine**

October 4-5, 2021

Hosted in Sydney, Australia

Delivered Online



A handwritten signature in black ink, appearing to read "C. Gentile".

---

Dr Carmine Gentile, PharmD/PhD, FAHA  
Workshop Chair

October 12, 2021

---

Date

# CERTIFICATE of participation

This is to certify that

Dr R. Kanchana

---

has participated in the Online Science Communication Workshop  
held on 18-19 January 2022 organised by DBT/Wellcome Trust India Alliance  
for Chandigarh Group of Colleges.



**Dr Jyotsna Dhawan**

CEO, DBT/Wellcome Trust India Alliance

# DST & ACS WORKSHOP



## Certificate of Participation

**VERIFYING THAT**

**Starlaine Mascarenhas**

**ATTENDED THE FULL AGENDA OF THE DST & ACS VIRTUAL WORKSHOP  
OCTOBER 22, 2021**

**DR. JAMES MILNE**

President, ACS Publications  
American Chemical Society

# 27<sup>th</sup> International Conference

of

International Academy of Physical Sciences (IAPS)

on

Interdisciplinary Research in Biomedical Sciences

October 26<sup>th</sup> – 28<sup>th</sup>, 2021

Organized By

Amity Institute of Molecular Medicine and Stem Cell Research (AIMMSCR) and Amity Institute of Applied Sciences (AIAS)  
Amity University Uttar Pradesh, Noida, India

## Certificate of Participation

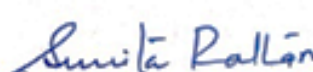
This is to certify that Prof./Dr./Mr./Mrs **Starlaine Mascarenhas** has participated in the 27<sup>th</sup> International Conference of International Academy of Physical Sciences on “Interdisciplinary Research in Biomedical Sciences” held at Amity Institute of Molecular Medicine and Stem Cell Research (AIMMSCR) and Amity Institute of Applied Sciences (AIAS), Amity University Uttar Pradesh, Noida, India during October 26<sup>th</sup> – 28<sup>th</sup>, 2021.



**Prof. P.N. Pandey**  
General Secretary, IAPS



**Prof. (Dr.) Bhudev C Das**  
Convener



**Prof. (Dr.) Sunita Rattan**  
Co-convener



**Prof. (Dr.) Dhruv Kumar**  
Organizing Secretary



CONIAPS-XXVII



Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

## CERTIFICATE

This is to certify that, **MS. DR.STARLAINE MASCARENHAS** of **BITS PILANI** has successfully participated in IP Awareness/Training program under

**NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**  
on March 05,2022

Organized by  
**Intellectual Property Office, India**



Date:March 06,2022

  
(RAJENDRA RATNOO, IAS)  
CONTROLLER GENERAL OF  
PATENTS, DESIGNS & TRADE MARKS



# Goa University

Taleigao-Plateau, Goa, India 403206  
**School of Chemical Sciences (SCS)**

in association with

**Directorate of Internal Quality Assurance (DIQA)**

## Certificate of Participation



This is to certify that Dr.R.Kanchana.....of  
Parvatibai Chowgule college of arts and science,.....  
Margao, Goa

has attended the webinar on

**“Identify, Protect, Commercialize your Ideas and Innovations”**

held on 07<sup>th</sup> January 2022, at 3.00 pm via Google meet.

**Prof. V.M.S. Verenkar**  
*Dean, SCS*

**Prof. S. N. Dhuri**  
*Director, DIQA*

**Dr. P P. Morajkar**  
*Convener, SCS*

**Dr. K. T. Dhavskar**  
*Co-Convener, SCS*



Department of English  
Pondicherry University

A Seven-Day International Online Faculty Development Programme (FDP)  
on

## Literary Studies in the New Millennium

18<sup>th</sup> - 24<sup>th</sup> October 2021

**CERTIFICATE**

This is to certify that **Mr./Mrs./Dr. Shubhankar Shah**, Assistant Professor, Parvatibai Chowgule College of Arts and Science (Autonomous), Margao, Goa, has successfully completed the one week International Online Faculty Development Programme held from 18th to 24th October, 2021. The One Week's involvement included attendance during live sessions and submission of an MCQ Examination.

**The participant has obtained GRADE "A"**

Dr. H. Kalpana  
Prof & Head, Department of English

Dr. T. Marx  
Professor, Department of English

Dr. Binu Zachariah  
Associate Professor, Department of English







# Goa University School of Chemical Sciences



## Certificate of participation

This is to certify that ..... Dr. Starlaine Mascarenhas  
of ..... Parvatibai Chowgule College of Arts and Science  
has participated in the webinar entitled '**Mending academic  
talent for industrial applications**' held on 28<sup>th</sup> February, 2022 in  
celebration of National Science Day at School of Chemical  
Sciences, Goa University.

Prof. V. M. S. Verenkar  
Dean

Dr. K. T. Dhavskar  
Convener

Dr. S. A. Kundaikar  
Co-convener

Dr. P. S. Volvoikar  
Co-convener



No:ATAL/2021/1623657722



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

### AICTE Training And Learning (ATAL) Academy

### Certificate

This is certified that **Starlaine Mascarenhas, Assistant Professor** of **Parvatibai Chowgule College of Arts and Science** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP** on "**Green Technology and Sustainability Management**" from **2021-7-1** to **2021-7-5** at **Engineering College Bikaner**.

Adviser-I, ATAL Academy



Coordinator



Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

## CERTIFICATE

This is to certify that, **MS. MADHAVI MOTANKAR , FACULTY of PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE** has successfully participated in IP Awareness/Training program under  
**NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**

on December 20,2021

Organized by  
**Intellectual Property Office, India**



Date: January 21, 2022

  
**(RAJENDRA RATNOO, IAS)**  
CONTROLLER GENERAL OF  
PATENTS, DESIGNS & TRADE MARKS



Parvatibai Chowgule College of Arts and Science

Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale)

Best affiliated College-Goa University Silver Jubilee Year Award

Department of Library and Information Science

## Certificate of Excellence

***This certificate declares that***

**Ms. Madhavi M. Motankar**

Has actively participated & qualified in online "Know Your Goa" Quiz organised by Department of Library and Information Science/ Parvatibai Chowgule College of Arts and Science (Autonomous).

*Pomposhi*  
19/12/2021

**Librarian**

*Shavant*  
19/12/2021

**Convenor**

*S.P. Chhoshi*  
19/12/2021

**Off.Principal**



# ST. THOMAS COLLEGE (AUTONOMOUS) THRISSUR-680001, KERALA

## *Certificate*

*This is to certify that*      Shubhankar Shah

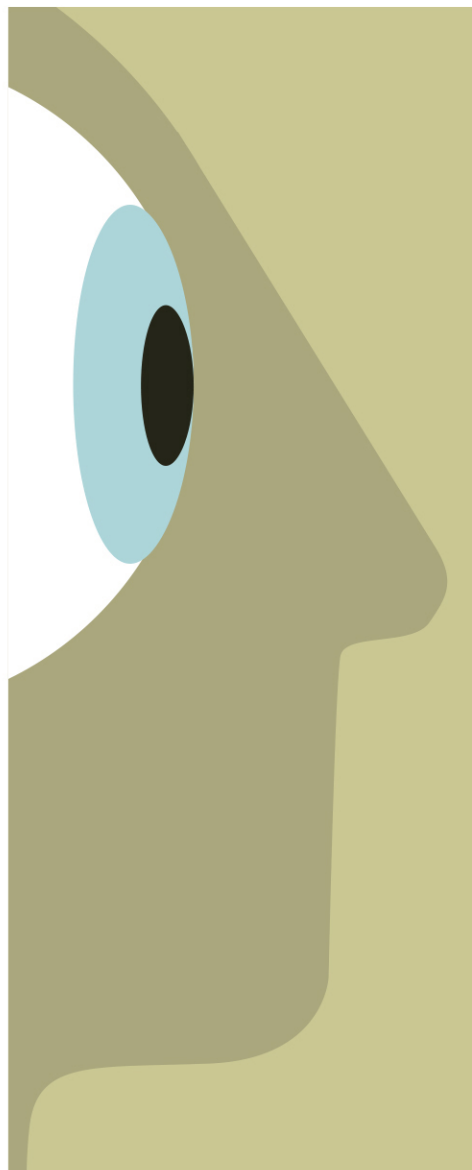
*has participated in the National webinar, "Resonating Wonder : Shakespeare in Indian and Global Avatars", organised by the Research and PG Department of English, St.Thomas College (Autonomous), Thrissur on 25/02/2022.*

  
Dr. Martin K.A.  
Principal



  
Dr. Anto Thomas C.  
HOD

  
Mr. Biju M.A.  
Coordinator



## Researcher Academy On Campus Certificate of Attendance



This certifies that

**CAROL BARRETO MIRANDA**

has attended the following

**Two Day Webinar: Navigating the Pathways of Research  
Publishing in Scopus-indexed journals- Day 1**

at Research and Consultancy Cell, Vidya Prabodhini College (VPCCECM),  
Goa,  
on Friday 24 September, 2021

Presented by Vishal Gupta Sr. Consultant, Elsevier, Dr. Sumit Narula Deputy  
Dean Research, Amity University Gwalior

Suzanne BeDell

Managing Director, Education  
Reference & Continuity Books

Philippe Terheggen

Managing Director, Science,  
Technology & Medical Journals





BlueCrest  
University  
College



SCHOOL OF  
HOSPITALITY,  
TOURISM & EVENTS

**RESEARCH INDIA FOUNDATION (RIF), INDIA**

BLUECREST UNIVERSITY COLLEGE, LIBERIA TAYLOR'S UNIVERSITY, MALAYSIA

**INTERNATIONAL FACULTY DEVELOPMENT PROGRAM (FDP)-cum-WORKSHOP**

**CREATING AND FLOATING MOOCS ON NPTEL-SWAYAM,  
UDEMY AND COURSERA PLATFORMS**

27th of February 2022

**CERTIFICATE OF PARTICIPATION**

IS PRESENTED TO

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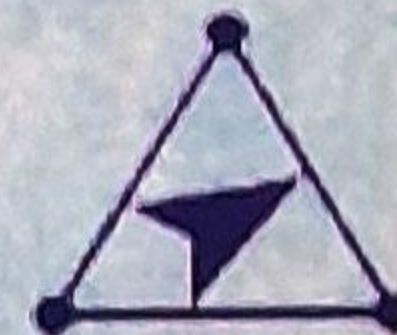
**Dr Rakesh Kumar Yadav**

**SECRETARY, RIF**

---

**Dr Rajendra Kumar Dash**

**ORGANIZING COMMITTEE CHAIRMAN**



Goa State Council for Science & Technology, Saligao, Bardez-Goa &  
VVM's Govind Ramnath Kare College of Law, Margao-Goa  
*Jointly with*  
Technology, Information, Forecasting & Assessment Council  
(TIFAC), New Delhi

### CERTIFICATE OF PARTICIPATION

*This is to certify that Mr./Ms./Mrs. Dr. R. Kanchana  
from Parvatibai Chowgule College of Arts and Science, Margao  
has attended One Day National Level Workshop on Importance of IPRs Patent Processing  
and role of Patent Agent" held on 23<sup>rd</sup> December, 2021 at VVM's Govind Ramnath Kare  
College of Law, Margao-Goa.*

Dr. YASHWANT DEV PANWAR  
Scientist F, TIFAC,  
New Delhi

DR. SABA V.M. DA SILVA  
Principal, VVM's Govind Ramnath  
Kare College of Law

PROF. PRADEEP V. MORAJKAR  
Member Secretary,  
GSCST





COLLEGIATE EDUCATION  
& TECHNICAL EDUCATION  
DEPARTMENT  
GOVT. OF TELANGANA

Sl.No. : 5189/R2022

National Level Workshop on  
**Curriculum Framework**

For Implementation of  
**National Education Policy (NEP) 2020**  
In Universities, Engineering Colleges and Degree Colleges

**CERTIFICATE**  
OF PARTICIPATION

This is to certify that Prof./Dr.Mr.Ms. **Mr. Aresh Naik, Assistant Professor, Psychology, Parvatibai Chowgule College of Arts and Science (Autonomous)** has participated in the two day online "**National Level Workshop on Curriculum Framework 2022 for Universities, Engineering Colleges and Degree Colleges**" held on 21st & 22nd March 2022 conducted by "Institute for Academic Excellence, Hyderabad" in collaboration with "Collegiate Education & Technical Education Department, Govt. of Telangana."

**DIRECTOR**

Institute for Academic Excellence, Hyderabad.

**COMMISSIONER**

Collegiate Education & Technical Education Department,  
Govt. of Telangana.