



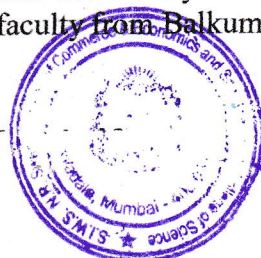
S.I.W.S.  
N.R. SWAMY COLLEGE OF COMMERCE & ECONOMICS  
AND  
SMT. THIRUMALAI COLLEGE OF SCIENCE  
WADALA MUMBAI-400031

Date : 24<sup>th</sup> December 2021

**Department of Physics**  
**Report for Academic year : 2020-21**

**Academic Activities :**

1. Due to the pandemic the online lectures for the academic year 2020-21 started from 7<sup>th</sup> August 2020, as per University of Mumbai notification. The pending examinations for Semester 2, 4 and 6 of summer 2020 exam session ( academic year 2019-20) were conducted in online format as per University of Mumbai guidelines.
2. Teachers used Google form platform for setting question papers in MCQ format for December 2020 Examinations. Odd and even semester examinations for academic year 2020-21 were conducted in the month of December 2020 and April-May 2021.
3. Department of Physics & IQAC of SIWS College conducted a national online webinar "**Fun with Physics**" on 7<sup>th</sup> July 2021. Dr. Jayant Joshi from BARC demonstrated simple but very creative experiments using toys to explain basic concepts in Physics. 118 Participants attended the webinar. The webinar received excellent feedback.
4. Department of Physics along with departments of Chemistry, Microbiology and IQAC of SIWS college organized a short term course "**Opportunities after Graduation**". The course was organized from 16<sup>th</sup> September 2021 to 30<sup>th</sup> September 2021. The online sessions were held on all days from 3pm to 5pm. Resource persons were faculty from university of Mumbai as well as industry representatives. The course guided T.Y.B.Sc. Students of S.I.W.S. College about soft skills as well as technical skills required to excel after completing graduation. Students were also guided about different entrance examinations to appear after graduation to either secure job or to continue with higher education. 64 T.Y.B.Sc. students from Physics, Chemistry & Microbiology programs registered for the course. Successful participants were awarded certificates based on the grades acquired.
5. Department of Physics along with departments of Chemistry, Microbiology, Environmental Studies and IQAC of SIWS college organized a short term course "**Greener Approaches to Environmental Issues**". The course was organized from 26<sup>th</sup> November 2021 to 8<sup>th</sup> December 2021. The online sessions were held on all days from 3pm to 5pm. The resource persons were renowned people working in the field of Environmental problems and their ecofriendly solutions. 310 students from different faculties registered for the course. Successful participants were awarded certificates based on the grades acquired.
6. Department of Physics along with departments of Chemistry, Microbiology and IQAC of SIWS college organized a 3 day online webinar "**Introduction to Nanoscience & Nanotechnology**" from 9<sup>th</sup> to 11<sup>th</sup> December 2021. Dr. Madhavi Thakurdesai, HOD department of Physics, Birla College introduced students to the emerging interdisciplinary research field of Nanotechnology. Dr. Thakurdesai has a wide teaching experience at undergraduate and postgraduate level and a wide research experience in the field of nanotechnology. 101 students and faculty from different parts of Maharashtra attended the webinar. Nine students and faculty from Balkumari College, Nepal also attended the webinar.





## Staff Achievements :

### Dr. Anuradha Natarajan :

- Paper accepted for presentation in PSAS conference to be held in Wuhan, China in Oct 2020.

### Ms. Anagha Bapat :

- Mrs Anagha Bapat attended five day State Level Faculty Development Programme organised by IQAC- BMCC and RUSA, Maharashtra on ““Confluence of Revised Guidelines of IQAC–NAAC to AUTONOMY”” from May 29 to June 3, 2021.
- As the co-convener of college Examination committee, successfully conducted F.Y./S.Y.T.Y. B.Com. /B.Sc. examinations and also processed the results for F.Y./S.Y. B.Sc. All the examination were conducted in online mode as per University of Mumbai guidelines.
- Ms. Anagha Bapat was the convener for the short term course “ **Opportunities after graduation** “ organised by Department of Physics along with departments of Chemistry , Microbiology and IQAC of SIWS college.
- Ms. Anagha Bapat was the organising committee member for the short term course “ **Greener Approaches to Environmental Issues**”organised by Department of Physics along with departments of Chemistry , Microbiology , Environmental Studies and IQAC of SIWS college.
- Ms. Anagha Bapat was the convener for the three day online webinar “**Introduction to Nanoscience & Nanotechnology**” organised by Department of Physics along with departments of Chemistry , Microbiology and IQAC of SIWS college.
- Ms. Anagha Bapat was appointed as a member for syllabus revision committee.

### Dr. Sandeep Vansutre :

- Dr. Sandeep Vansutre submitted his Ph.D. thesis and was rewarded the doctorate degree after successfully completing his viva voca on 17<sup>th</sup> March 2021. The title of the thesis was “ Investigation of multiferroic behaviour in rare earth transition metal oxides( RTO3) in bulk and nano formulation.”
- Dr. Sandeep Vansutre was the convener for the online webinar “ **Fun with Physics** “ organised by Department of Physics along with IQAC of SIWS college.

## Student Achievement :

The Pass Percentage for TYBSC was 83.33 %.

**Mr Aryan Shinde** of T.Y.B.Sc. secured A+ grade with SGPA of 9.58 and 9.63 in Semester 5 and 6 examinations respectively.

*M. Anuradha*

HOD , Department of Physics  
Date : 24<sup>th</sup> December 2021



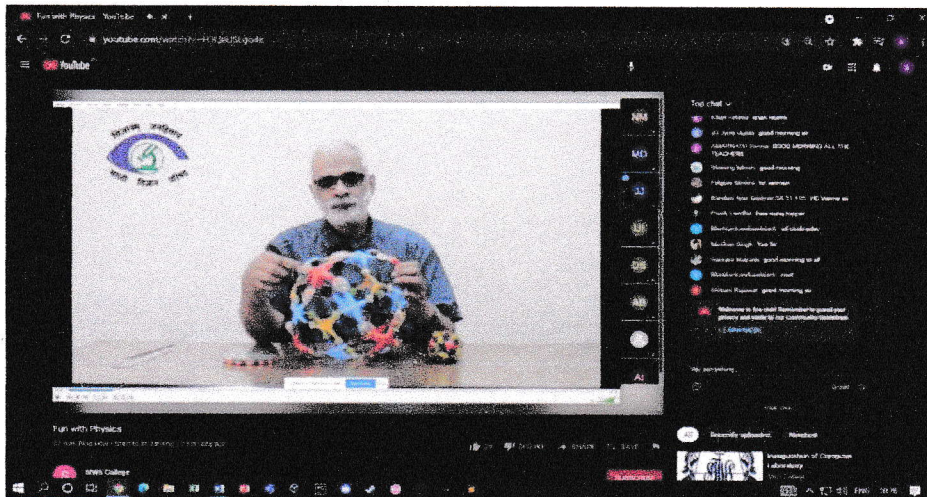
*Usha Iyer*

Dr. Usha Iyer  
Principal

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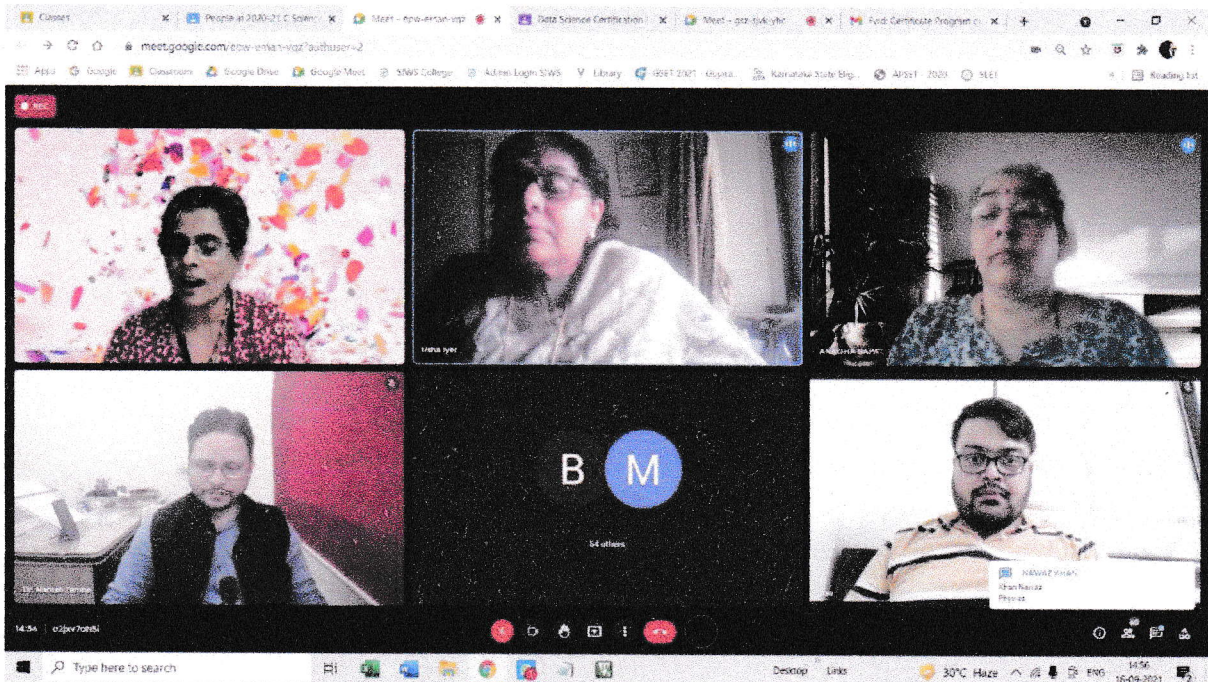


## Physics and Fun : Dr. Jayant Joshi , BARC



## Short Term Course "Opportunities after Graduation" from 16<sup>th</sup> September 2021 to 30<sup>th</sup> September 2021

16<sup>th</sup> sep 2021 : Inauguration



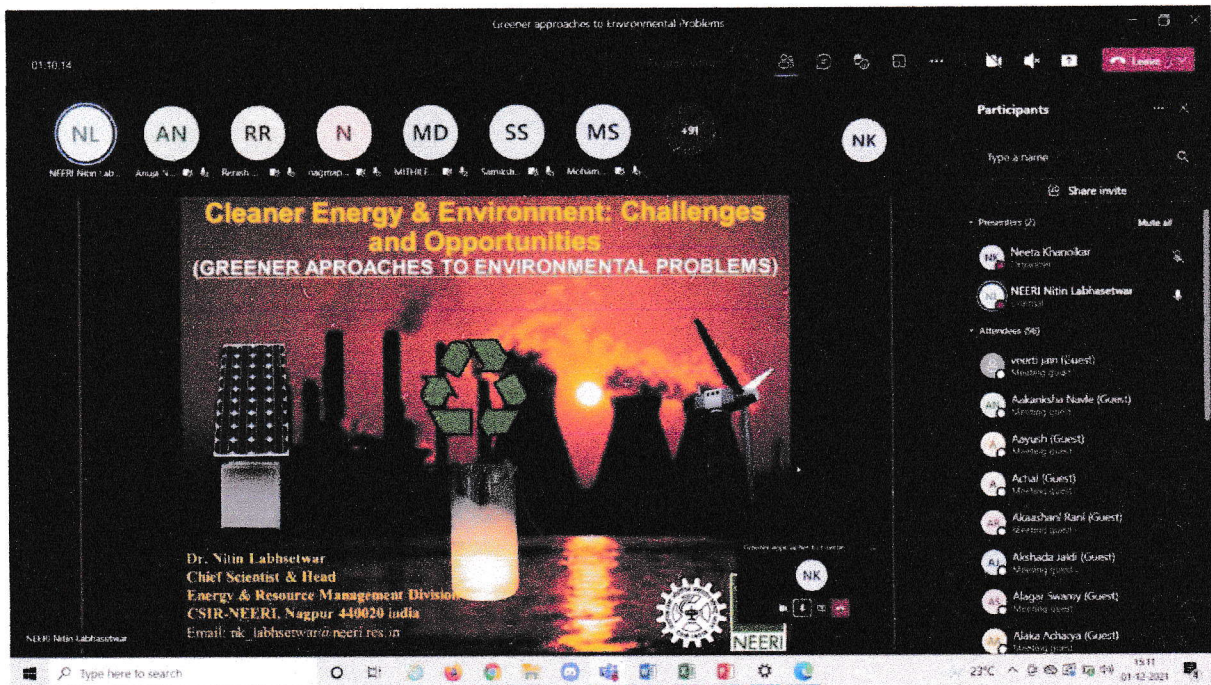
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Valedictory function : Dr. Radha Srinivasan



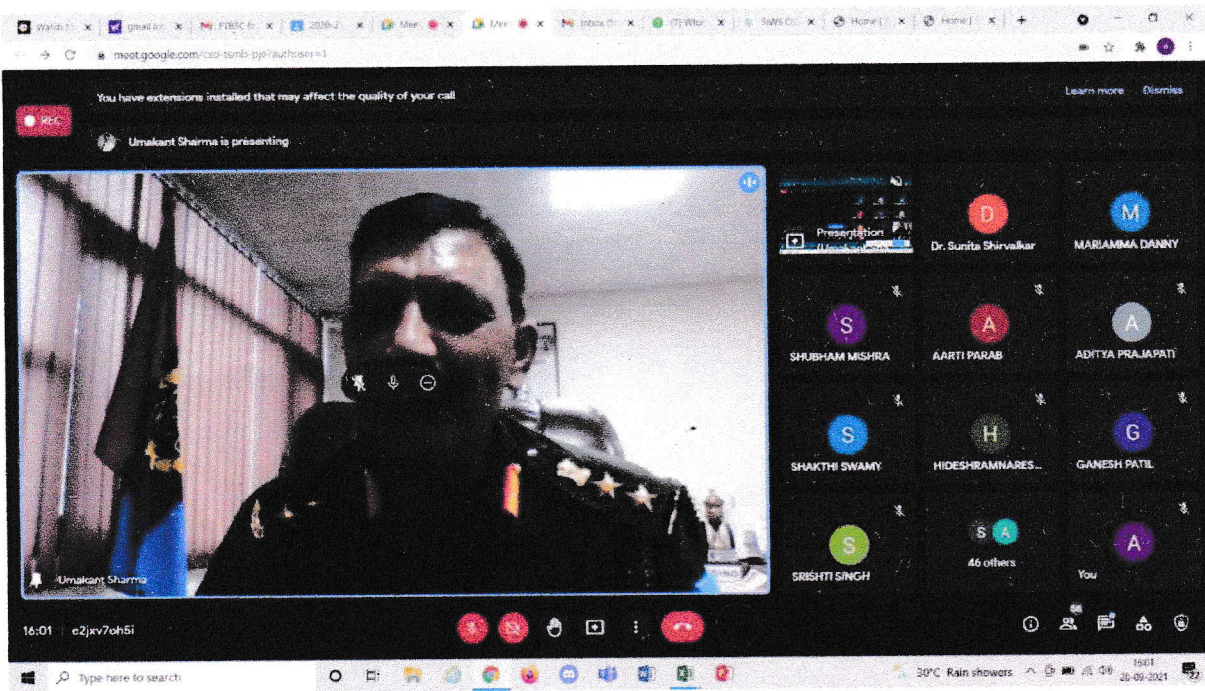
Short Term Course “Greener Approaches to Environmental Issues” 26<sup>th</sup> November 2021 to 8<sup>th</sup> December 2021



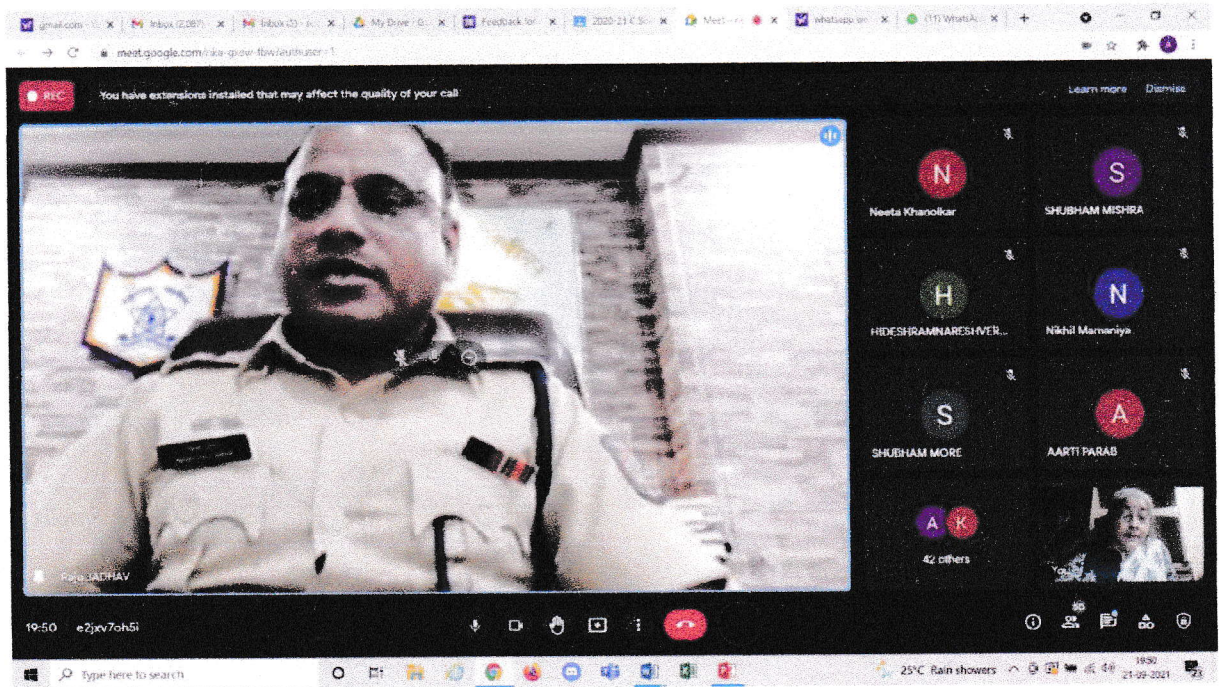
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Col .Umakant Sharma guiding about Armed forces



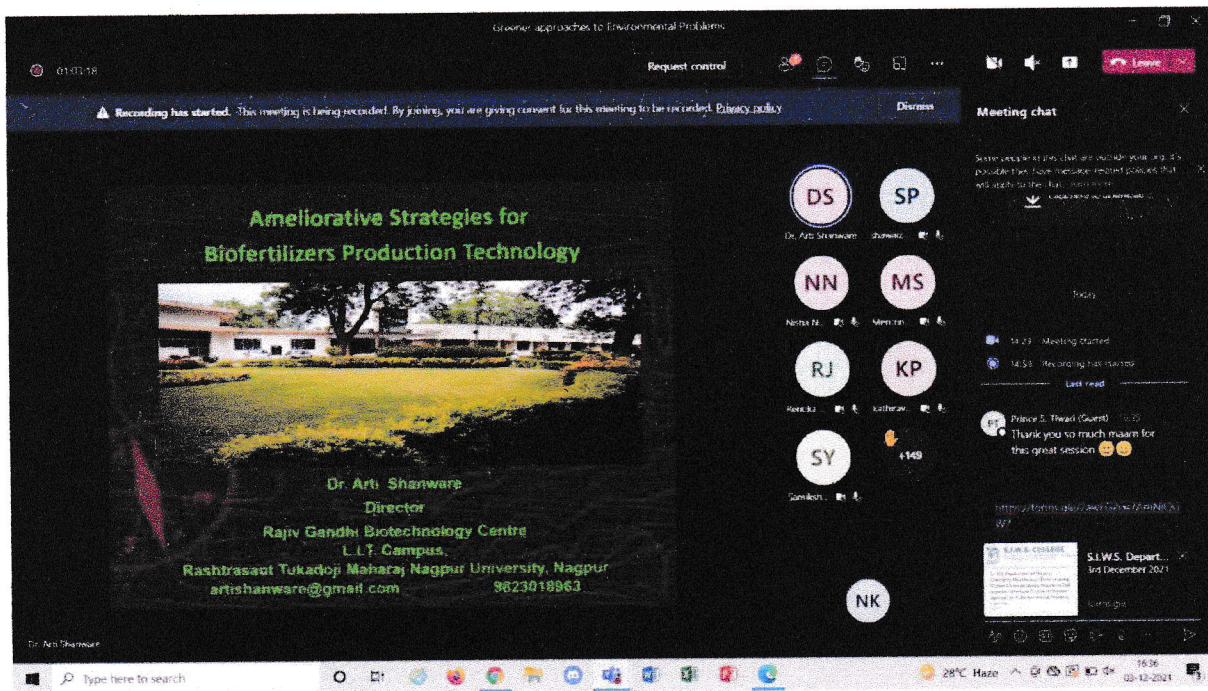
DCP Machek lpper giving guidance about IPS :



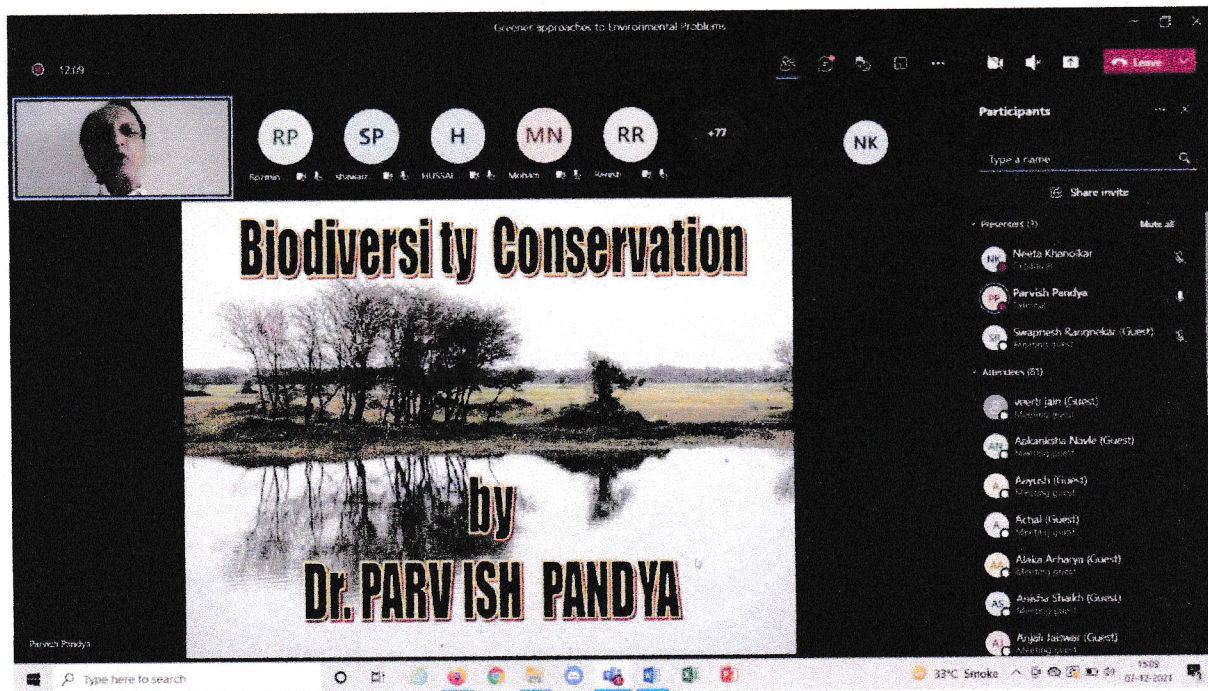
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## Biofertilizers : Lecture by Dr. Aarati Shanware on 3<sup>rd</sup> December 2021



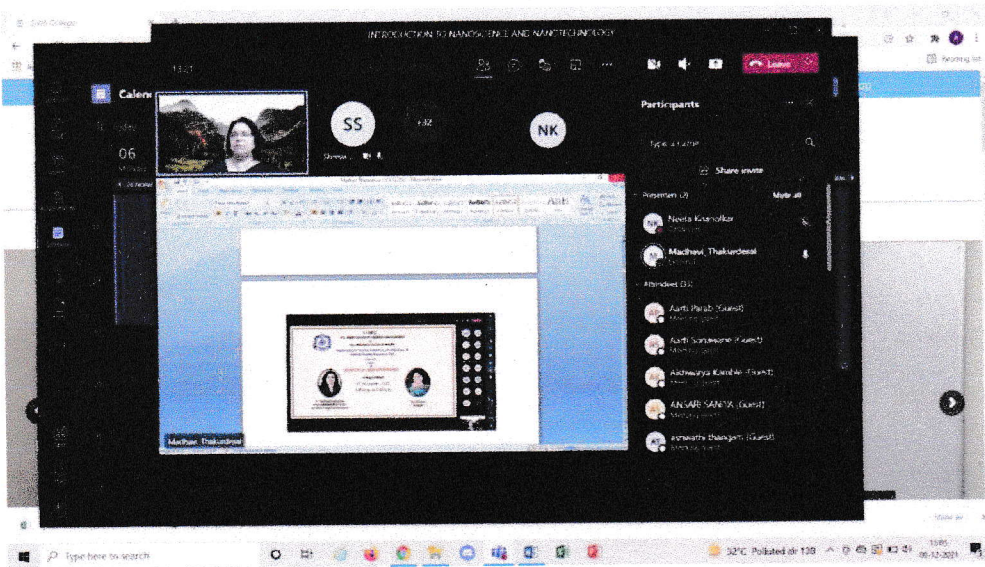
## Biodiversity Conservation : Lecture by Dr. Parvish Pandya on 7<sup>th</sup> December 2021



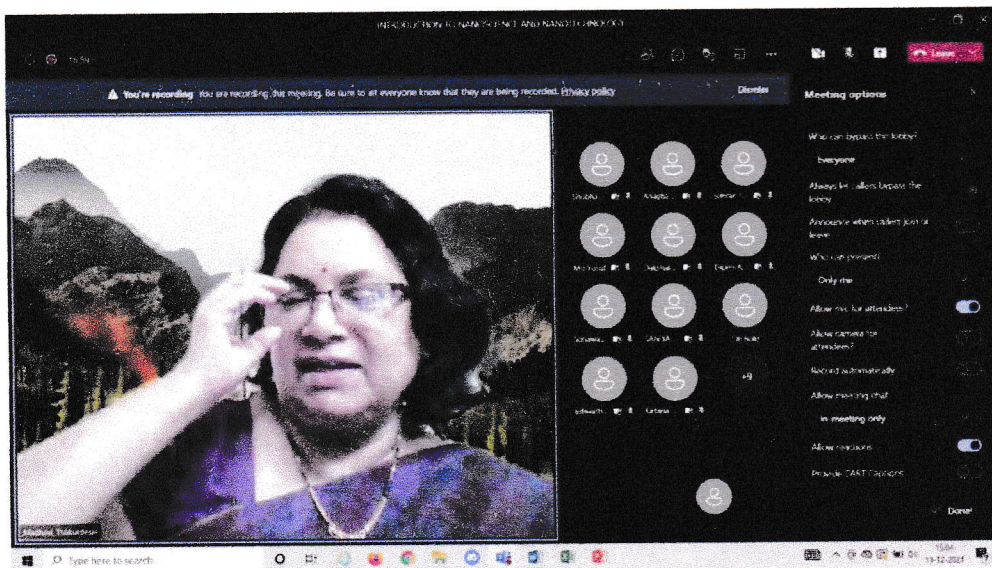
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online webinar “ Introduction to Nanoscience & Nanotechnology” from 9<sup>th</sup> to 11<sup>th</sup> December 2021



Inauguration by Principal Dr. Usha Iyer on 9<sup>th</sup> December 2021

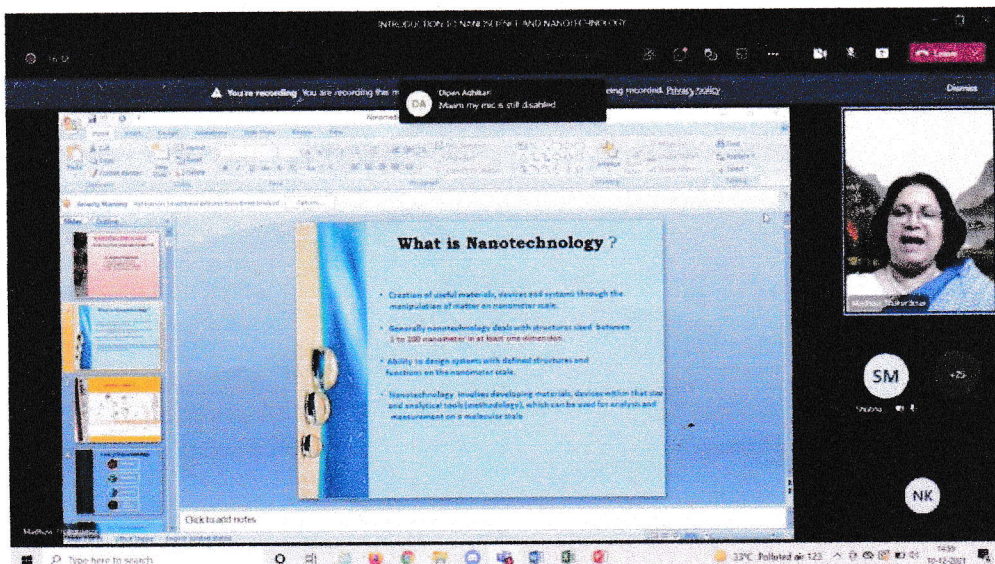


Wonders of Nanotechnology : Dr. Madhavi Thakurdesai on 9<sup>th</sup> December 2021

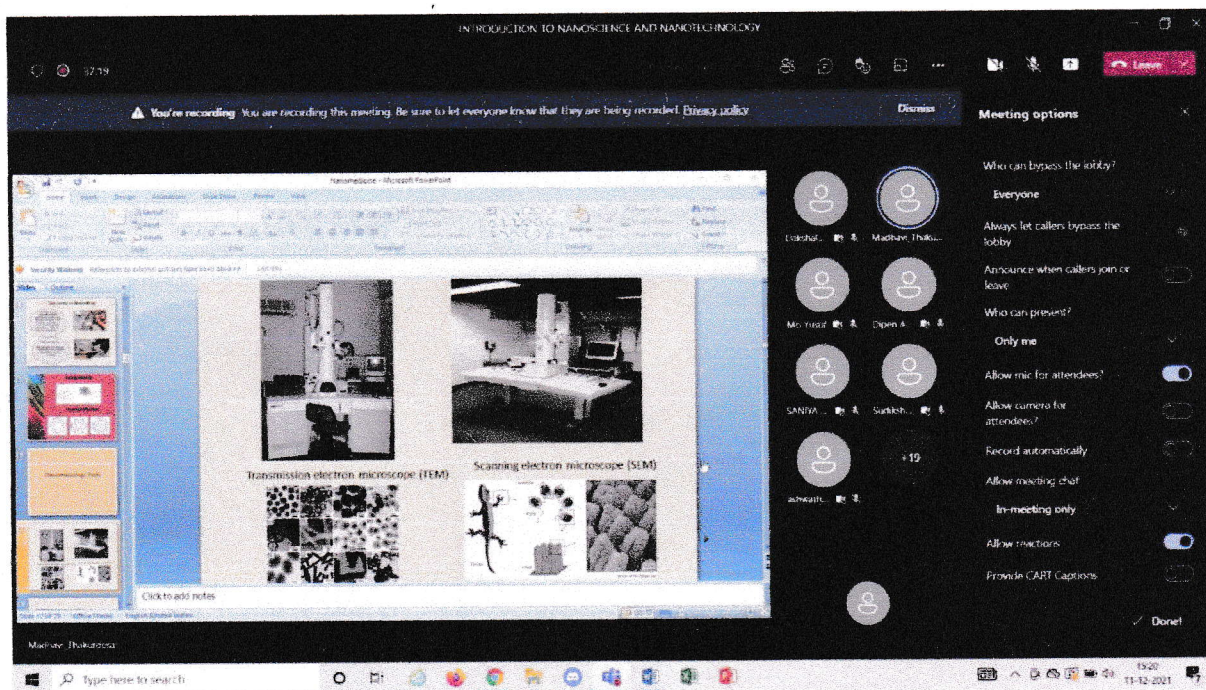


*Usha Iyer*  
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**Exploring world of Nanotechnology : Dr. Madhavi Thakurdesai on 10<sup>th</sup> December 2021**



**Nanotechnology – Tools & Techniques : Dr. Madhavi Thakurdesai on 11<sup>th</sup> December 2021**

*Minamma*

HOD , Department of Physics  
Date : 24<sup>th</sup> December 2021



*Usha*

Dr. Usha Iyer  
Principal

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