

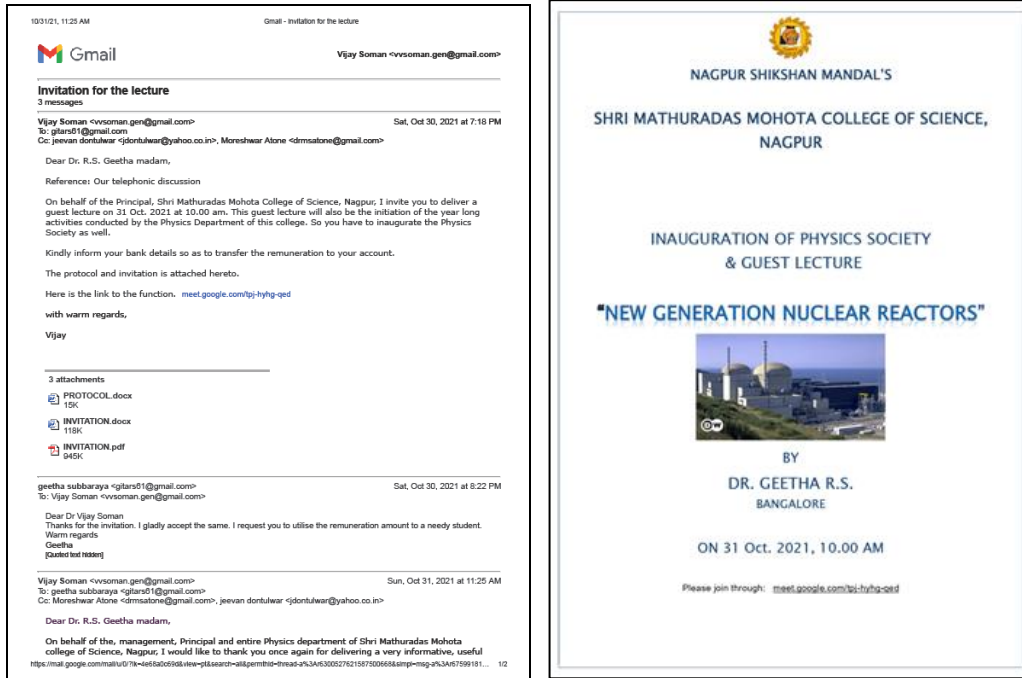
3.2.1: Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered) - Evidence file

1. *Links to the policy documents regarding (i) research assistance (ii) promotion of academic integrity and prevention of plagiarism are available on the college website. (iii) The teachers in the college have published a good number of research papers in UGC care listed journals and conference proceedings. The links are as follows.*

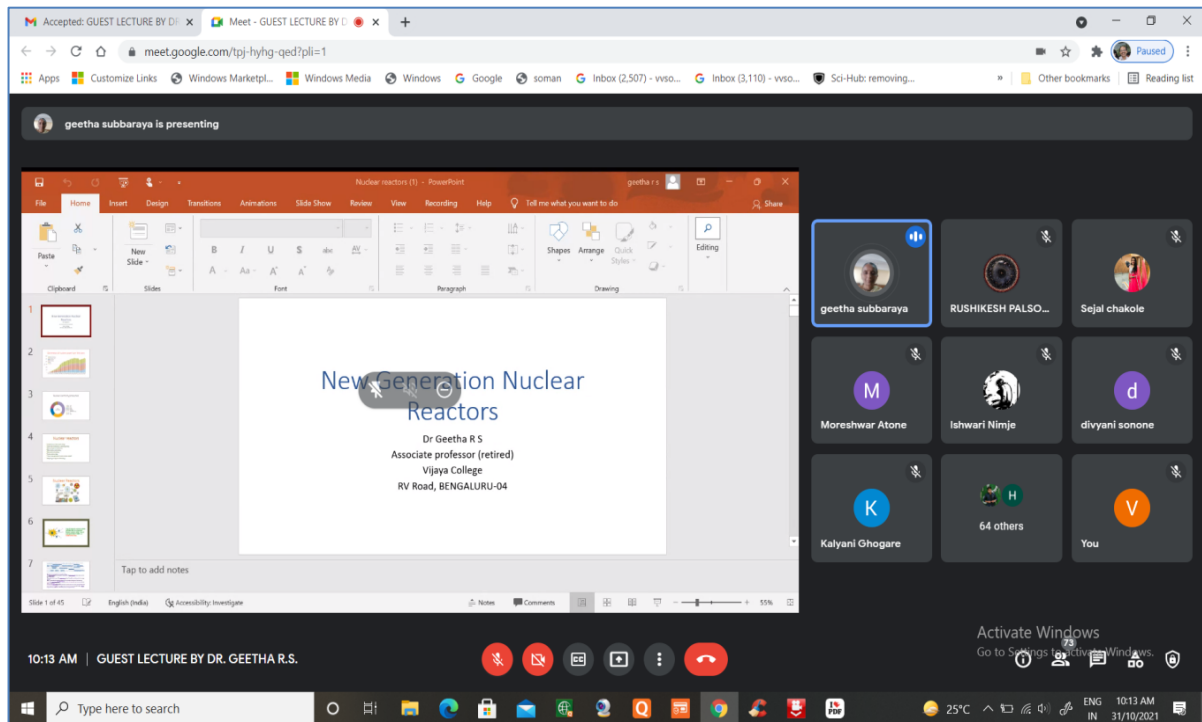
- (i) Policy for Research Assistance: <https://mohotasci.edu.in/wp-content/uploads/2020/11/Documents-regarding-policy-for-research-assistance-by-SMMCs.pdf>
- (ii) Policy for Promotion of Academic Integrity and Prevention of Plagiarism: <https://mohotasci.edu.in/wp-content/uploads/2021/05/Policy-for-Promotion-of-Academic-Integrity-and-Prevention-of-Plagiarism-SMMCS.pdf>
- (iii) Link of the list of published papers (2017-2022): <https://mohotasci.edu.in/research/>
- (iv) Link of the list of published papers in proceedings (2017-2022): <https://mohotasci.edu.in/papers-published-in-national-international-conference-proceedings-2017-22/>
- (v) Link of the list of published books / chapters (2017-2022): <https://mohotasci.edu.in/books-and-chapters-in-edited-volumes-books-published-during-2017-22/>
- (vi) List of teachers as Ph. D. supervisors: <https://mohotasci.edu.in/recognized-guides/>
- (vii) List of students awarded Ph. D. or working for Ph. D.: <https://mohotasci.edu.in/recognized-guides/>
- (viii) *Chemistry, Physics, Zoology and Botany department – Place for Higher Learning and Research: <https://mohotasci.edu.in/wp-content/uploads/2021/10/Letter-for-recognition-as-Place-for-Higher-Learning-and-Research.pdf>*

2. Some **representative** evidences of 'Department Society' activities (one activity per department) with an aim for the students to look to the '**world beyond the college**'.

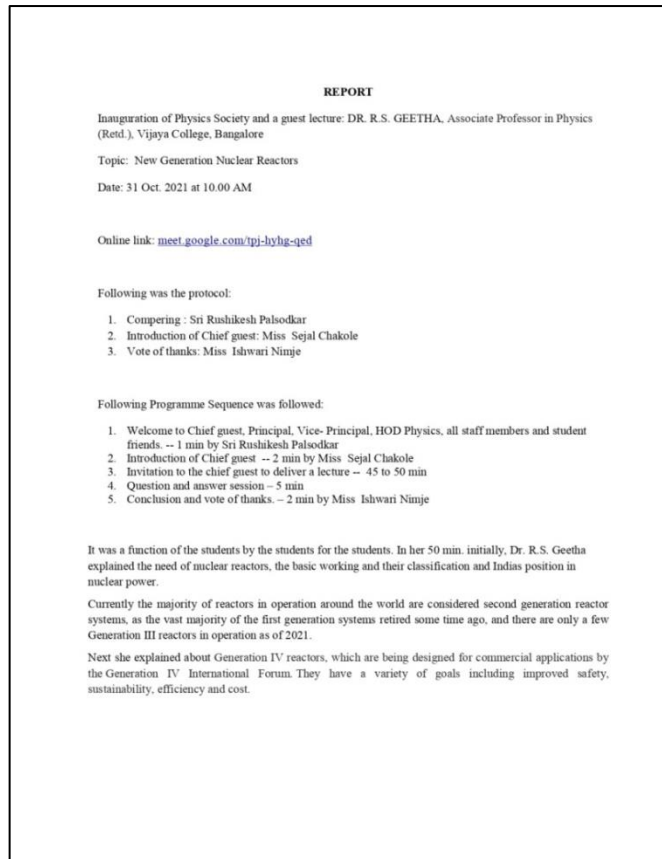
PHYSICS DEPARTMENT:



Email correspondence with Dr. R. S. Geetha and the invitation for the Inauguration of Physics Society & Guest Lecture on 31 Oct. 2021.



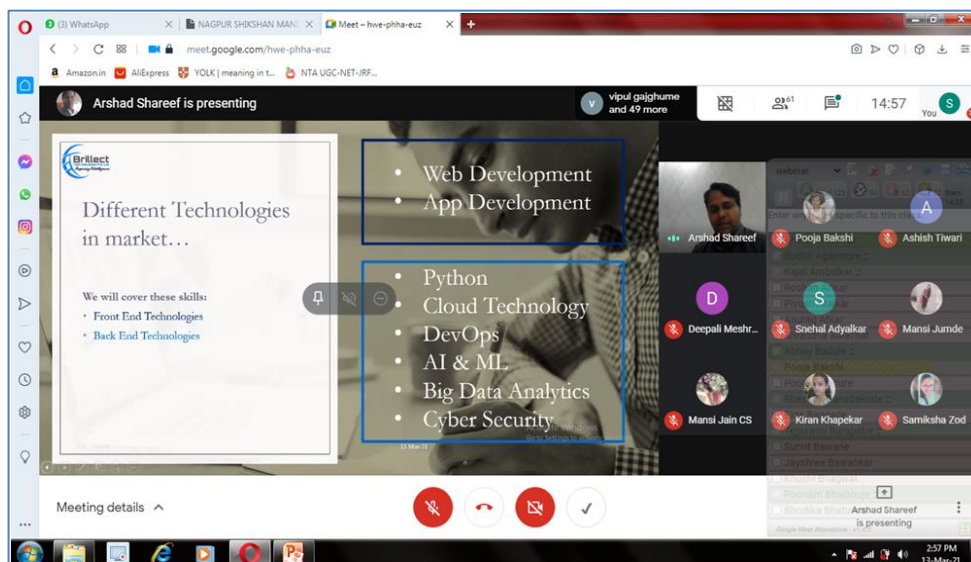
Screenshot of online lecture: 'New Generation Nuclear Reactors' by Dr. Geetha R.S. Bangalore, on 31 Oct. 2021



Report of the event

Department of Computer Science:

Computer Science Society



Webinar on 'Emerging Technologies & Their Applications in Computer Science'
Lecture by Arshad Shareef on 13 March 2021

The concepts of webinar 'EMERGING TECHNOLOGIES & THEIR APPLICATIONS IN COMPUTER SCIENCE' was conducted by Dr. Arshad Shareef, Director Brilllect Tech. Solutions Pvt. Ltd. Nagpur. He guided the students of Computer Science about user segments in the field of Cloud Computing, What

Experts Say about cloud computing , Revenue Forecast – India, Revenue Forecast - Global, Jobs Profile in Cloud Technology, Employment Opportunities in India, Global Employment Opportunities.

8/21/2021 webinar (2021-03-13).html

Daily Attendance Report for webinar: 2021-03-13

Class Name: webinar Meet ID: hwve-phha-euz Date: 2021-03-13 Earliest Arrivals: 14:35 Start: 14:35 End: 15:59 Duration: 84 min

133 Names (57 Absent) ☆	14:35	14:40	14:45	14:50	14:55	15:00	15:05	15:10	15:15	15:20	15:25	15:30	15:35	15:40	15:45	15:50	15:55	16:00	
✓ Snehal Adyalkar																			
✓ Sudhir Agarnore																			
? Kajal Ambulkar																			
✓ Roshan Arkar																			
Piyush Atalkar																			
Amurag Atkar																			
Shreddha Awachat																			
✓ Abhay Badole																			
? Pooja Bakshi																			
Pooja Balapure																			
✓ Shasthi Bamabakode																			
✓ Ekta Bangade																			
✓ Tejaswini Barapatre																			
? Srushti Bawane																			
Sumit Bawane																			
✓ Jayshree Bawankar																			
Kimshi Bhagwat																			
✓ Poonam Bhajbhujje																			
Shrutika Bhatnagar																			
Nikhil Bhande																			
Dhnanjay Bhide																			
? Samruddhi Bhole																			
✓ Geurav Bokade																			
Nidhi Charhan																			
✓ Ayushi Bhango Cs																			
✓ Harshl Purdakar Cs																			
✓ Mansi Jain Cs																			
✓ Mayuri Badhe Cs																			
? Megha Kalamkar Cs																			
? Piyush Atalkar Cs																			
Shiboo Dubey Cs																			
✓ Prajwal D																			
Prajakta Darote																			
✓ Pranay Dattar																			
Sampada Deshmame																			
✓ Pratibha Dhakate																			
Payal Dhakate																			
? Shubham Dhok																			
Jeevan Dountulwar																			
Kashish Dwivedi																			
Harsh Fulambarkar																			
✓ Chaitanya Gahane																			
? Vipul Gajghume																			
? Achal Gawali																			
Rutuja Ghodge																			
Priyanka Gharat																			
✓ Pratik Gharpe																			
Bhramika Gokhale																			
Akhilesh Hadke																			
? Yash Meshram Hava																			
✓ Rupal Hiwarkar																			
Samiksha Ingole																			
✓ Saurabh Jagtap																			
✓ Yamini Jais																			
Riya Jaiswal																			
✓ Shivanshi Jaiswal																			
? Srushti Jaiswal																			
✓ Vishakha Jaiswal																			
Rajwal Jamblhale																			
✓ Omprakash Mohan Joshi																			
✓ Mansi Junde																			
? Chetan Kadak																			

file:///C:/Users/sudhitr/Downloads/webinar (2021-03-13).html 1/3

Attendance

Department of Zoology:

Participative learning: Guest lectures

President: **SHRI A. R. GANDHI**
 Vice President: **DR. NARSHI KATHI**
 Treasurer: **DR. S. N. BONDHOKAR**

Ref: MDAC SR-295/2021 Date: 02 March 2021

To: **Ms. Vaishnavee Kulkarni**
 Assistant Professor,
 Department of Biodiversity,
 Dr. B. N. Bhandodkar College, Thane,
 Maharashtra, India

Subject: Invitation letter for a guest lecture as part of celebrations of the World Wildlife Day 2021

Respected madam,

Greetings from Shri Mathuradas Mohota College of Science, Nagpur!!!
 Our college is celebrating the World Wildlife Day on 03 March 2021. As part of the celebrations, we wish to invite you as the guest speaker. We know that you have been interest in 'biodiversity and its conservation'. We do understand the importance of conservation of the wildlife, especially during the current scenario, where due to anthropogenic activities, many of the species are endangered and some are on the verge of extinction. We wish to take advantage of your 'on field experience' to make our students aware about the biodiversity and its conservation.

Therefore, we request you to accept our invitation to deliver an online lecture on 03 March 2021 at 12 noon. The target audience will be the students of undergraduate and post-graduate course and the teaching staff. We hope that you can spare time from your busy schedule and guide our students and teachers.

Thanking you in anticipation,

Yours faithfully,

Dr. Jivan R. Doshiwar
 Dr. Jivan R. Doshiwar
 Principal,
 Shri Mathuradas Mohota College of Science,
 Nagpur



Ayachit Rd, Sakardara Chowk, Raghujji Nagar, near Amrut Mishthan Bhandar, Raghujji Nagar, Nagpur, Maharashtra 440009, India

Latitude: **21.12781747°** Longitude: **79.11156324°**
 Local 12:14:49 PM Altitude 252-M meters
 GMT 06:44:49 AM Wednesday, 03-03-2021

Ref: MDAC SR-307/2021 Date: 08 March 2021

To: **Ms. Vaishnavee Kulkarni**
 Assistant Professor,
 Department of Biodiversity,
 Dr. B. N. Bhandodkar College, Thane,
 Maharashtra, India

Respected madam,

Greetings from Shri Mathuradas Mohota College of Science, Nagpur!!!
 I wish to thank you for delivering an interactive talk on 03 March 2021 to celebrate the World Wildlife Day 2021. The students and teachers who attended the talk are indeed grateful for describing your first hand experiences about working in the wild. Your experiences and tips for working in the field of biodiversity and conservation were really helpful for all the aspirants. You have certainly invoked a desire in students to seek career opportunities in biodiversity conservation. We are fortunate to have an association with you.
 We are looking forward to hear from you in the future as well.

Thanking you once again,

Yours faithfully,

Dr. Jivan R. Doshiwar
 Dr. Jivan R. Doshiwar
 Principal,
 Shri Mathuradas Mohota College of Science,
 Nagpur

Roll No.	Name	Date
4	Anshuli Meshram	3/3/2021 12:31
5	Anuj Admane	3/3/2021 12:31
6	Anushri Jambhule b1	3/3/2021 12:13
7	Anushri Rohankar	3/3/2021 12:13
8	Apeksha Kothe	3/3/2021 12:45
9	Apeksha Susundre	3/3/2021 12:13
10	Apurva Patil	3/3/2021 12:45
11	Archana Sawane	3/3/2021 12:13

	A	B	C	D
4	Anshuli Meshram	3/3/2021 12:31	3/3/2021 13:54	1.23.01
5	Anuj Admane	3/3/2021 12:31	3/3/2021 13:54	1.23.01
6	Anushri Jambhule b1	3/3/2021 12:13	3/3/2021 13:54	1.41.18
7	Anushri Rohankar	3/3/2021 12:13	3/3/2021 13:22	1.09.12
8	Apeksha Kothe	3/3/2021 12:45	3/3/2021 13:54	1.08.39
9	Apeksha Susundre	3/3/2021 12:13	3/3/2021 12:45	0.32.44
10	Apurva Patil	3/3/2021 12:45	3/3/2021 13:54	1.08.39
11	Archana Sawane	3/3/2021 12:13	3/3/2021 12:45	0.32.44



REPORT ON CELEBRATION OF WORLD WILDLIFE DAY 2021

The World Wildlife Day 2021 was celebrated by Department of Zoology in collaboration with the Internal Quality Assurance Cell and the Environment Protection Cell of Shri Mathuradas Mohota College of Science, Nagpur by organizing an online guest lecture on 3 March 2021.

The details of the lecture are as follows:

Date: 3 March 2021

Timings: 12 noon to 1 pm

Platform: Google Meet

Meet Link: meet.google.com/az-ppdw-ogh

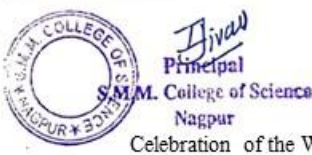
Name of the Guest Speaker: Ms. Vaishnavee Kulkarni, Assistant Professor, Department of Biodiversity, Dr. B. N. Bhandodkar College, Thane, Maharashtra, India

Title of the talk: 'A walk into the wild'

YouTube Link: <https://www.youtube.com/watch?v=nV7HRwWslQ>

Participants: 109 (93 students of BSc and MSc and 16 teachers)

The speaker who is pursuing her PhD in Biodiversity shared her personal experiences of working with turtles, crabs, owls and biodiversity conservation in general. The students and teachers were benefited with first hand experiences and technical difficulties encountered while working in the wild. The content and the delivery of the talk invoked a desire in students to seek career opportunities in biodiversity conservation. The students freely discussed their questions on various aspects covering handling of animals in the wild, animal behavior, tiger conservation projects, etc.



Celebration of the World Wildlife Day 2021: Guest Lecture by Ms. Vaishnavee Kulkarni

Department of Chemistry:

Two Guest lectures were arranged for M.Sc. students.

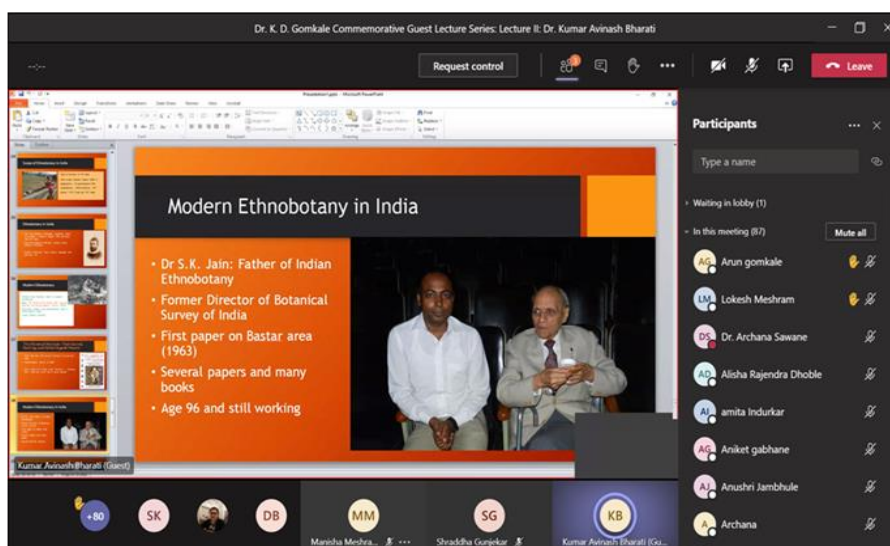
1. 'Electronic Spectra of Metal Complexes' by Dr. W. S. Marathe of Brijlal Biyani College, Amravati - 06/03/2019.
2. 'Formulation of Quantum Mechanics' by Dr. S. S. Dhondge of Seth Kesarimal Porwal College, Kamptee - 07/03/2019.



Students attending the Guest lectures

Department of Botany:

Dr. K. D. Gomkale Commemorative Guest Lecture Series



Dr. Kumar Avinash Bharti, Scientist, Central National Herbarium, Botanical Survey of India, (Ministry of Environment, Forest and Climate Change), Kolkata.

TOPIC: Introduction to Ethnobotany and Status of Research in India on 22 January 2022

GEOLOGY DEPARTMENT:

Geology study is never complete without field exposure. For this very purpose, practical training program on Vertical Electrical Sounding for groundwater exploration was organized on 13 March 2022, Sunday. The explanation and demonstration was given by Dr. Abhijeet Dharashivkar, an eminent hydrogeologist.



Demonstration being given by Dr. Abhijeet Dharashivkar.

ELECTRONICS DEPARTMENT:



Dr. Satish Sharma, Head, Electronics Department, RTM Nagpur University, Nagpur delivering inaugural lecture on 10 Aug. 2018 'Luminating Enhancements in Digital electronics-18'.

ELECTRONICS (10/18/2018)		
SEM III	SEM I	SEM V
Shweta P. Vaideya	milind. S. shirwad	Hiraman B. Dhabale
Kanchan P. Ahonmode	Ajay kokode	Pratul A. Fokmare
Chand U. Nakode	Ganesh parakh	Nikhil S. Turande
Kajol Y. Thakur.	Kisan M. Mange	Akshay N. Ghatgepade.
Seema D. Borate	Jyoti L. Sahu	Nayan S. Kadambari.
Kanchan S. Hajase	Pratik R. Mangrask	Anshuraj D. Rajadiga
Rajal M. Bhayre	Chhotit V. Kulkad	Ankit C. Sanjale.
Vivek T. Kadu	Bhramshvar K. Muchi	Akshay D. Wankhede
Shubham G. Harjoti	Satyaaj. S. Shekh	Piush S. Masurkar.
Shubham R. Borde	manisha M. Raghunand	Arut D. Paliwal
Atul L. Ugade	Riya D. Uike	Vinod R. Joge
Santel S. Dhabekar	Manthali S. Bhole	Shivani B. Rakshak
Swaraj M. Shukla	swathi R. Dandge	Harshada C. Chaudhary
Adish. H. Thakur	Kamal D. Tajar	Rajendra H. Rathod
Brian V. G. Nemade.	shwaddha kulk	Kajal G. Pante
Sumit R. Wagh	Jyoti bhujon	Priya S. Akhate
Satyashil G. Kelle	Manisha Tigela	Vishal A. Deogirkar
Kunal M. Pawar	Kanchan. Tekam	Fatma A. Khan
Swarnik S. Chatap.	Sanjay S. Kojarkar	Vishakh N. Deogirkar
	Harsha S. Neluare	
	Harsha P. Gulkar	
	Shamali D. Dhamane	
	Apeksha D. Akhate	
	Mayuri B. Narkate.	
	Renuka B. Vaidya	
	Jami N. Jagtap	
	26	18
	Attendance of students	
	<i>Signature</i>	
	Head	
	Dept. of Electronics	
	Shri M.M. College of Science, Nagpur	

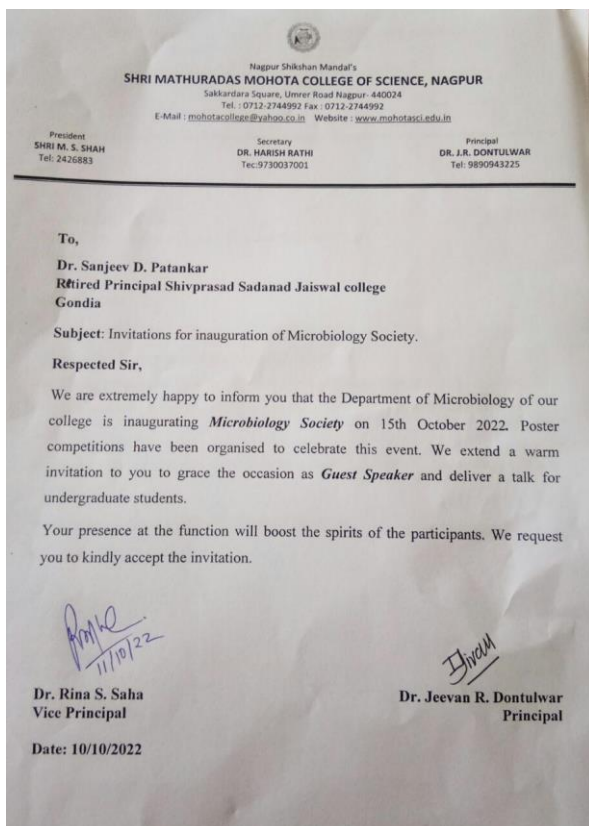
Students' attendance

LANGUAGE DEPARTMENT:



Functional English – A Guest Lecture (B.Sc. I Sem., Under Multi-skill Development Programme) by
Dr. Raheel Qureishi, Bhivapur Mahavidyalaya, Bhivapur. 24-07-2018

MICROBIOLOGY



Invitation



Dr. Sanjeev D. Patankar delivering a lecture

3. Visits, Inter and Intra-college activities.



Visit of M.Sc. Zoology students on 06 Feb. 2020 to Rajiv Gandhi Biotechnology Center, Nagpur



Visit of college students (B.Sc.) to VNIT, Nagpur on 24.02.2022 during Science Expo. with two teachers



M.Sc. Physics students visit HCG NCHRI - Cancer Care Centre Nagpur with teachers to know the use Nuclear Medicine in cancer cure



Research Institute visit to Ankur Seeds R & D Facility, Neri on 10.03.2022 by B.Sc. Semester VI and M.Sc. Botany Semester IV students

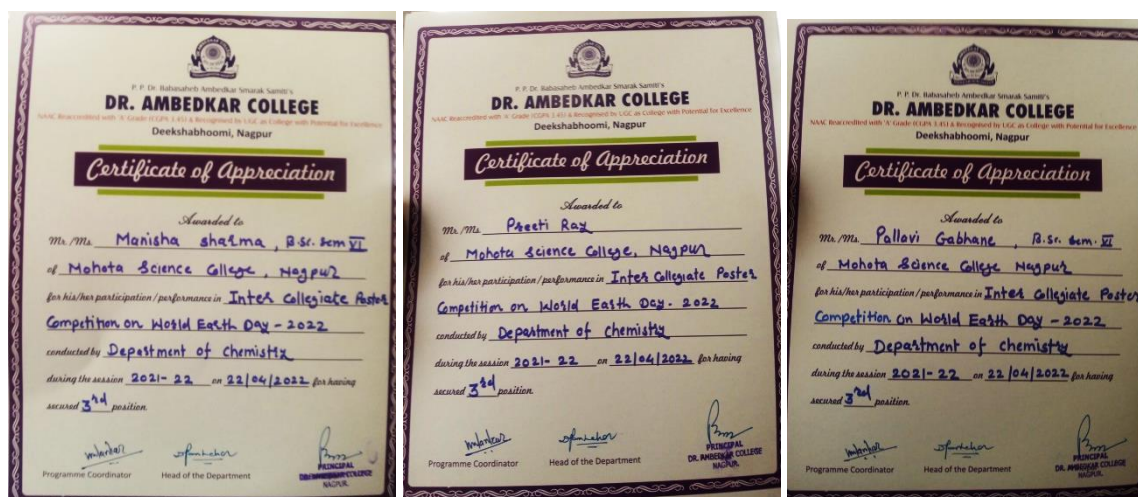


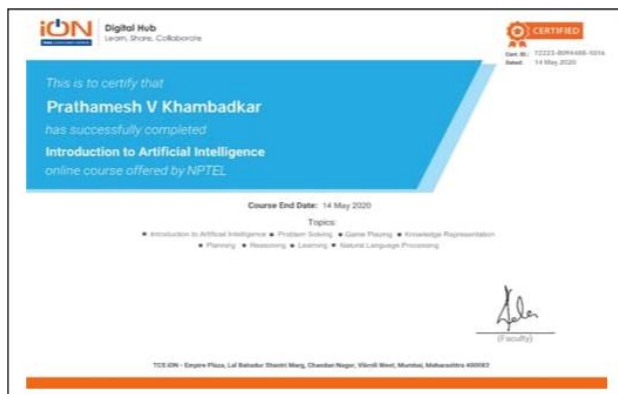
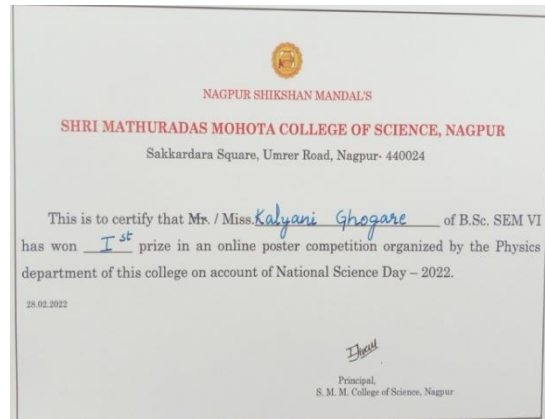
Visit to Vena Nursery on 10.03.2022 by B.Sc. Semester VI and M.Sc. Botany Semester IV students

In the month of August-2018, Geological Survey of India specially invited our students in their organization in which their officials gave Power Point Presentation of all activities of GSI along with future prospects of geology.



Following are the certificates of some students who brought laurels in various academic activities.





4. Involvement of Students in hands on training in some activities:



Synthesis of hand sanitizer and liquid soap by Chemistry department students



Herbal hand wash prepared by students of Chemistry department



Distribution of hand wash prepared by students of Chemistry department on the occasion of Voters day



Vermicomposting by Department of Botany (June to Feb 2022)



On 25th Feb 2022, an artificial bee hive was installed in the college garden.



M.Sc. Zoology students and Teachers of Zoology Department participated in a “Five Days Beekeeping Training Workshop” from 11 March to 15 March 2019 held at our College in collaboration with Khadi and Village Industries Commission, Nagpur. Beekeeping Practical was conducted at Raj Bhavan, Nagpur.



Communication with Khadi and Village Industries Commission, Nagpur

NAGPUR SHIKSHAN MANDAL

IQAC
of
Shri Mathuradas Mohota College of Science, Nagpur

is organizing an inter-departmental activity under
social outreach program on
“Economic Importance of Azolla”



Resource Person
Dr. S. R. Deshmukh
Department of Microbiology,
Shivprasad Sadanand Jaiswal College,
Arjuni Morgaon, Dist. Gondia


Dr. J. R. Dontulwar
Principal

Dr. (Mrs.) R.S. Saha
IQAC Coordinator

Date: Friday, 18th Feb 2022
Time: 12.00 pm
Venue: New MSc Zoology Lab

Dr. A. A. Fulzele
PG Coordinator, Botany

Dr. P. U. Gajbe
PG Coordinator, Zoology



Nagpur
Maharashtra
India

25°C
77°F

2022-02-18(Fri) 02:20(pm)



A lecture on *Azolla* cultivation organized by
Department of Botany and Zoology and introduction of *Azolla* in the tank



Mushroom cultivation taught by Botany department staff



Students involved in PCB (Printed Circuit Board) making in Electronics department

5. Photos of some instruments in research laboratories



Michelson interferometer



Temperature bath and ultrasonic interferometer



Incubator



Binocular Microscope



Photocolorimeter



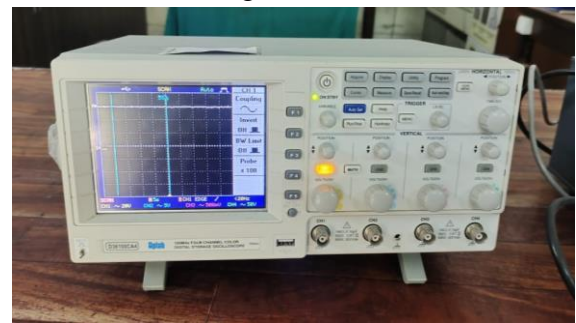
Autoclave



Digital balance



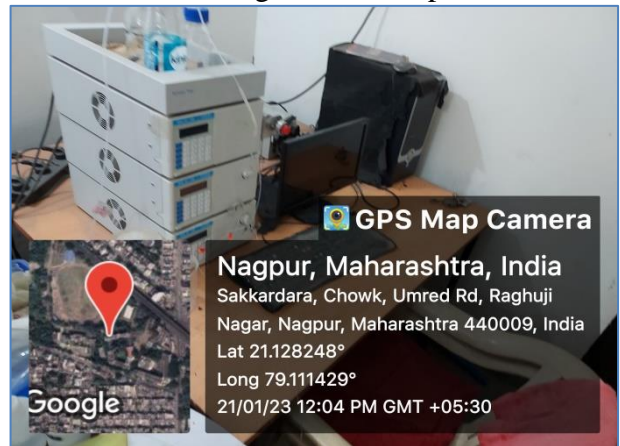
Function Generator



Storage Oscilloscope



Spectrophotometer



HPLC



GPS Map Camera
Nagpur, Maharashtra, India
Sakkardara, Chowk, Umred Rd, Raghuj
Nagar, Nagpur, Maharashtra 440009, India
Lat 21.128247°
Long 79.111701°
21/01/23 11:58 AM GMT +05:30



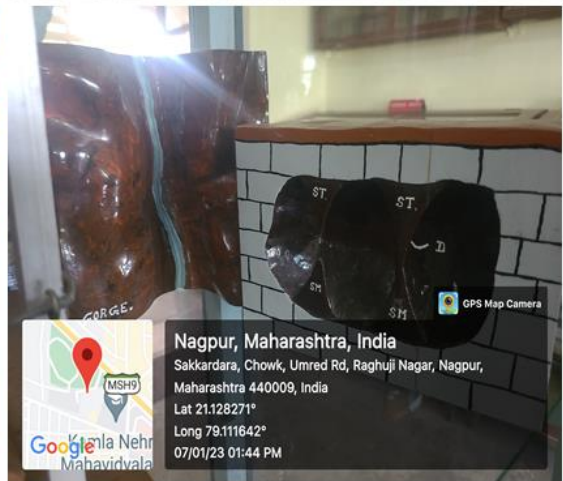
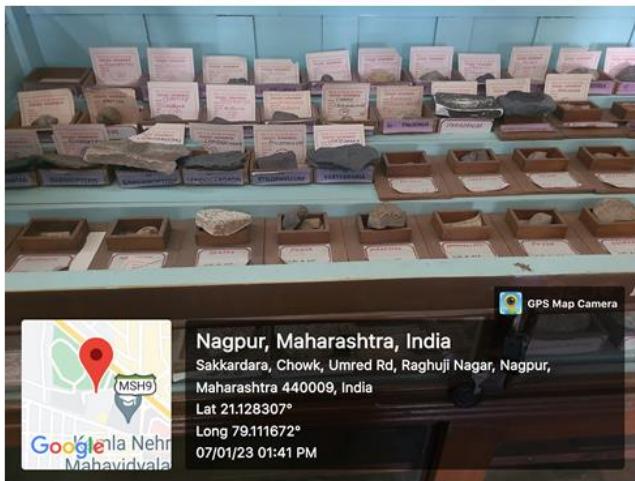
GPS Map Camera
Nagpur, Maharashtra, India
Sakkardara, Chowk, Umred Rd, Raghuj
Nagar, Nagpur, Maharashtra 440009, India
Lat 21.128248°
Long 79.111429°
21/01/23 12:04 PM GMT +05:30



Thermal Cycler



Cooling Centrifuge



Some of the fossils, rock specimens and models from Geology department



Microwave oven for material synthesis



Digital Melting/Boiling Point Apparatus



Double Beam Microprocessor Digital UV-VIS spectrophotometer