



Maharshi Dayanand College of Arts, Science and Commerce

Department of Chemistry

Year of establishment 1962

Activities for the year 21-22

Departmental Activities : 2021-22

Activity	Details	Students benefited
Virtual visits		
15 JUNE 21	Orientation / bridge course for FY, SY and TYBSc class	F Y 35 + S Y 30 + T Y 45 = 110
19 June 21	National Reading Day: Session on how to read scientific literature & introduction to MANAV- the human atlas initiative IISER-Pune	24
21 August 21	Online lecture series: Lecture by Indian Chemical Society by Dr. Sandeep Nigam	108
04 Sept 21	Activity on gender bias: Nutrition value concept (Resource person: Prof. Sugra Chunawala)	52
04 Sept 21	Activity on Environmental Protection: Poster competition on Environmental disaster.	20
20 Sept 21	Chem Kumbh: Preparation for IIT-JAM etc. Lecture by Aditya Singh from Champion Academy	34
25 Sept 21	PTA for SY and TY	
01 Oct 21	Counselling session by Vidya Shenoy for slow learners	54
29 Nov 21- 06 Dec 21	Certificate course in association with IARP-BARC, entitled "Instrumental techniques in chemical analysis and Soft skill development"	85
3 Dec 21	Academic/ Industrial visit: Visit to IIT-Mumbai and Haffkin Institute-Mumbai	23+50
18 Feb 22	Azadi Ka Amrurt Mahotsav: 3 sessions (Dr. Jayeshree Kulkarni/ Prof. Pratibha Singh/ Dr. Kavita Rambal)	88
28 Feb 22	Chem-eminance: Intercollegiate event	47
3 March 22	Fun with Chemistry: Outreach program	99
14 March 22	Skill Development Program: Essential oil extraction from herbal products/ preparation of cold and vanishing cream.	60
24 March 21	Degree certificate distribution TYBSc & MSc degree at Departmental Level	49

Orientation for FY, SY and TYBSc class

Recording **LIVE** on YouTube

TY BSC Class 17-6-21

Sudhakar Pawar A.R. Anthony Varsha Thorat Dr. Rupesh Gaikwad
Siddhi Amkar Mrunalini Kulkarni B.T. Nikam Samiksha Jadhav Dnyaneshwar S.
Azad Singh Jayesh Parkar Amogh Patankar Apoorva Chavan
Sakshi Gamare
Anjali Gaikwad Sanjana Nagad Saima Bangi Pooja Yadav Akshay Magade
Mahesh Vandre Kiran Bhagwan Ritu Gupta Gaurav Phanse Akash Jadhav 1...

Stop Video Security Participants 45 Chat Share Screen Record Reactions

YouTube

Mrunalini Kulkarni A.R. Anthony Varsha Thorat Dr. Rupesh Gaikwad
B.T. Nikam Shubham Gala Surabhi Jamsan 1190 Shreyash Suyash Pawar
1175 Radha Pan 1163 Madhavi Ja 1181 Sai Repale 6e222137 Principal, M.D.C.
URVEEKADAM Laxmi Thorat 1153 Shivani Ba Aditi Patankar
Shruti Nimbalkar 1154 Pramod B Diplaxmi Amdo 1202 Pratik Nik 1170 Samadhan

SY BSC Class 17-6-21

FY BSC Class on 21/09/21

Dr. M.D. Kulkarni Ruchika Honrao Dr. Rupesh Gaikwad Varsha Thorat SR Pawar
Aniruddha Pat Dhanashree Phutak 28 others You
Meeting details

0:49 AM | nci-jnos... Tracking Started 1 min 14s ago Click To Generate Report

Microphone Video Chat Screen Sharing More Options

MANAV- The human atlas initiative IISER-Pune



Maharshi Dayanand College of Arts, Science and Commerce-12

Department of Chemistry
Organizes



"TRAINING AND PROJECT AWARENESS" SESSION UNDER
PROJECT MANAV-THE HUMAN ATLAS INITIATIVE

HOW TO READ SCIENTIFIC LITERATURE &

Introduction to MANAV-The Human Atlas Initiative.

Speaker: **DR. ANUPMA HARSHAL W.**
CONSULTANT

(Science Communication and Public Engagement)
Manav-Human Atlas Initiative, IISER, Pune

Platform: ZOOM

All participants will receive a downloadable
certificate on successful completion of post
session online QUIZ.

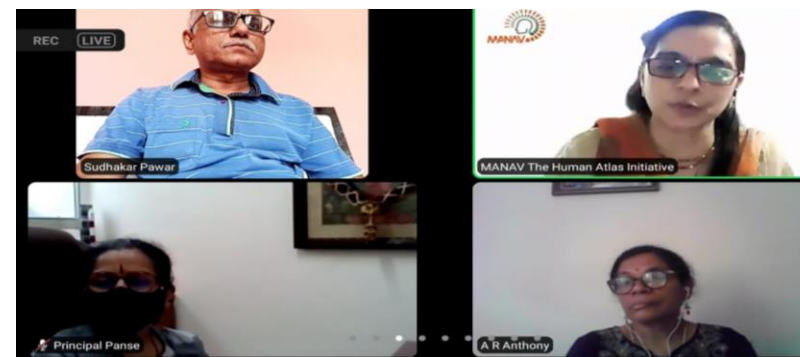
On

Day: Friday

Date: July 02, 2021

Time : 03:00 PM

FOR REGISTRATION - <https://forms.gle/jdGtT5wtF3pcayHx8>



22 participants Registered for the program

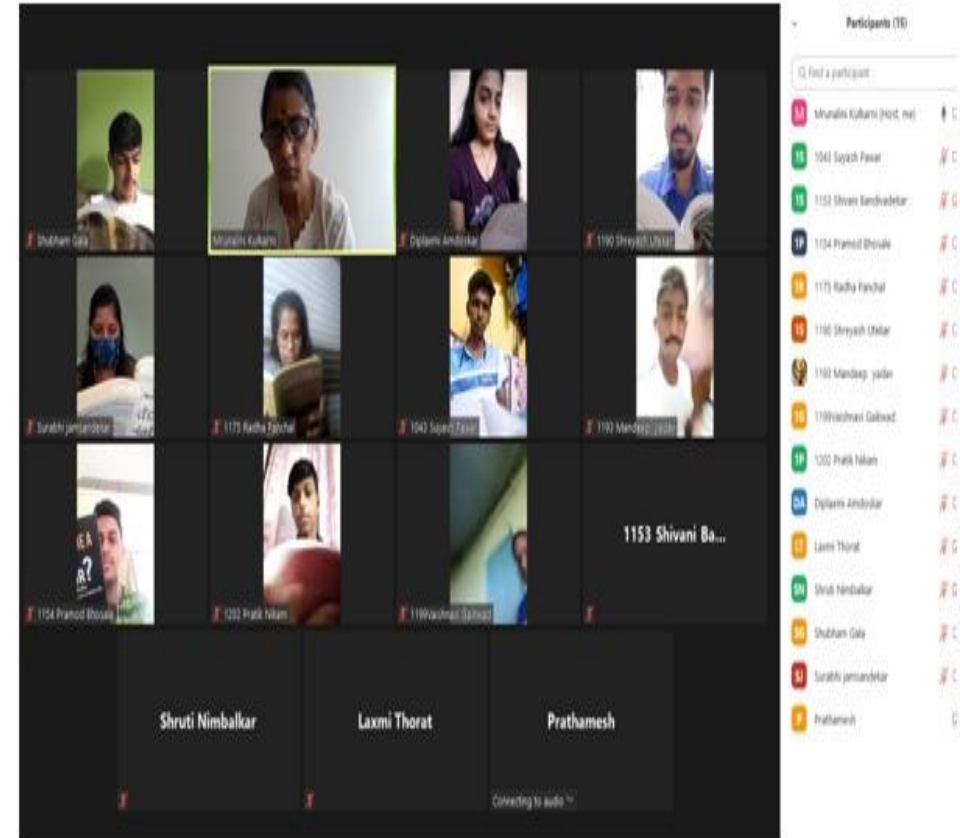
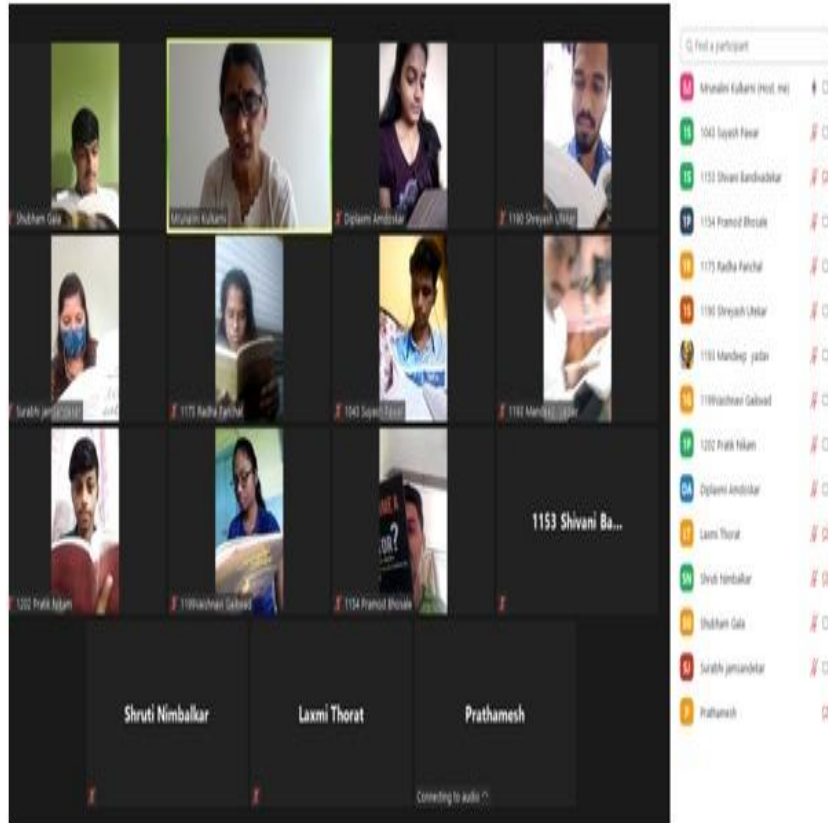
Zoom Meeting

<https://zoom.us/j/9821343359?pwd=bmw2OFlFeG5JZUNxNG5YUkNaS1Jqdz09>

YOUTUBE link

<https://youtu.be/2AU7oyCO-dg>

National Reading Day: Session on how to read scientific literature & introduction to MANAV- the human atlas initiative IISER-Pune -



National Reading Day-19/06/2021
Number of participants=24

Online lecture series: Lecture by Indian Chemical Society by Dr. Sandeep Nigam



Indian Chemical Society (Mumbai Branch)

&

Department of Chemistry

Maharshi Dayanand College of Arts, Science

and Commerce, Parel, Mumbai-400 012

NAAC-REACCREDITED – A GRADE

BEST COLLEGE AWARD-UNIVERSITY OF MUMBAI (2014-15)



Organize

An Online Public Lecture Series

To commemorate the
160th Birth Anniversary of
ACHARYA P. C. RAY

Chemist, Educationist, Historian, Industrialist
and Philanthropist

&

70th Year of ICS-Mumbai Branch

Lecture 03

Coordination Chemistry:

Coordinating the Chemistry with Advancement

by

DR. SANDEEP NIGAM

Scientist (G), Chemistry Division
Bhabha Atomic Research Centre



SATURDAY, 21 AUGUST 2021 2.00 pm onwards

Platform: Zoom and Youtube live

Link will be provided to registered participants

Registration link : <https://forms.gle/nE49P7ujMh82xZmv8>

Dr. R. H. Gaikwad
Event Coordinator

Dr. A. R. Anthony
Head
Department of Chemistry

Dr. C. S. Panse
Principal
M. D. College

Organizing committee

Dr. M.D. Kulkarni

Asso. Prof. S. R. Pawar

Dr. V. V. Thorat

Asst. Prof. B. T. Nikam

Dr. A. B. Patil

Ms. Saima Bangi
(Student representative)

Mr. Amey Pokharankar

For any Query, kindly contact Dr. Rupesh H. Gaikwad – Mob. No. 9867636151

The program was attended by more than 108 participant from all over India.

Participants from : 32 colleges and universities

IIT Hyderabad, Periyar university, Siligurri, Coimbatore, perriyar college salem, JSM Alibaug, Pillai college, Ramkrishna college, Osmanabad, BAMU, VPMK college, kinhavali CBSE Mumbai, ICT, Thakur college, Mithibhai college, Somiya college, Bhavan's college, vivekananad college, SIWS college, Khalsa college, Patkar College, Agrwal College, Palghar college, karad college, Ruia College, CKT College, Jhunjunwala college, Ruia college, National college, Jai Hind college

Join Zoom Meeting

<https://us06web.zoom.us/j/9821343359?pwd=WUd0dkgyUTI6ZE1LUkU1SUs3d1FoQT09>

You tube link https://youtu.be/K3Qx5b8YF_Q

Activity on gender bias: Nutrition value concept (Resource person: Prof. Sugra Chunawala)



**Maharshi Dayanand College of Arts, Science
and Commerce, Parel, Mumbai-400 012**

NAAC-REACCREDITED – A GRADE
BEST COLLEGE AWARD-UNIVERSITY OF MUMBAI (2014-15)

Department of Chemistry

Organizes

Guest Lecture On Gender Sensitization



Contributions of Women in Science

by

DR. SUGRA CHUNAWALA

Professor

Homi Bhabha Centre for Science Education (HBCSE),
A national centre of the Tata Institute of Fundamental Research, Mumbai



SATURDAY, 04, SEPTEMBER 2021



3.00 pm onwards

Platform: Zoom and Youtube live

Link will be provided to registered participants

Registration link : <https://forms.gle/eknkRzKj6cX99TGZ9>

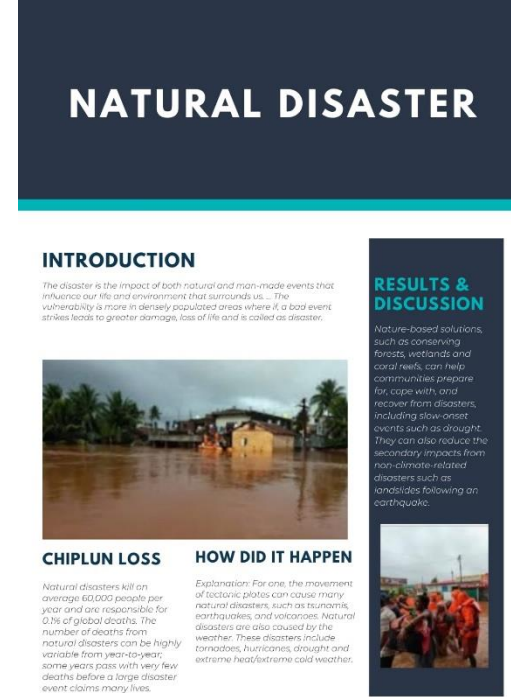
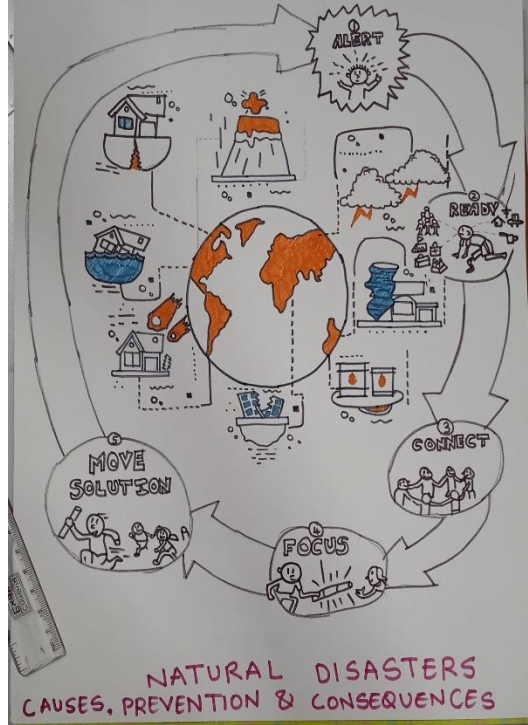
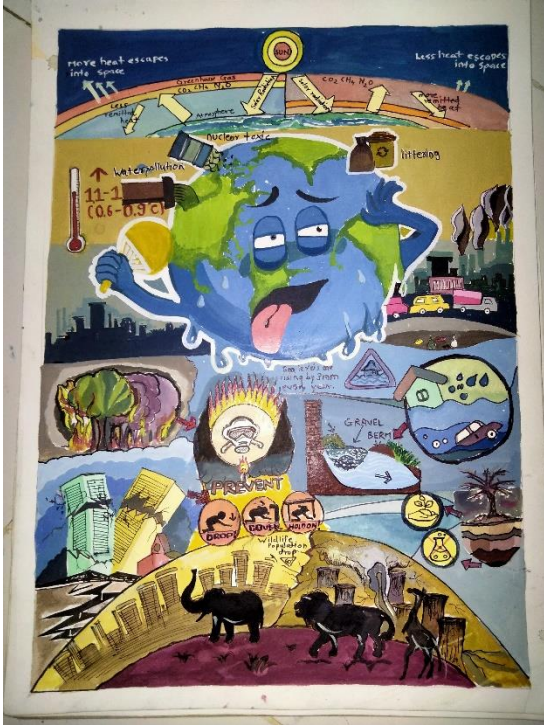
Assoc. Prof. S. R. Pawar	Dr. R. H. Gaikwad	Dr. A. R. Anthony	Dr. C. S. Panse
Event Coordinator	Event Co-Coordinator	Head Department of Chemistry	Principal M. D. College
Ms. Saima Bangi (Student representative)			

For any Query, kindly contact Mr. S. R. Pawar– Mob. No. 9987066603

52 registered participants from 17 college from India

Institute of Science, National College, Mumbai
University, Maulana Azad college, Vartak college,
Govt. women college Karnal , Hariyana, Wada college,
Palghar, Indrashil university, Surya sen Mahavidyala,
Siliguri , West Bengal, ACS college, Vikramgad,
Maharashtra college, Ramkrishna paramshans
mahavidyala, Osmanabad, Shri Anand College ,
Pathardi, Govt. college, Chindwada MP, R A Podar
college, K B. P College Vashi, M.D. College

Activity on Environmental Protection: Poster competition on Environmental disaster.



- Students benefitted: 20

Chem Kumbh: Preparation for IIT-JAM etc. Lecture by Aditya Singh from Champion Academy

MAHARSHI DAYANAND COLLEGE OF ARTS, SCIENCE AND
COMMERCE, Parel, Mumbai 12

Department of Chemistry

NOTICE

August 30, 2021

Department of Chemistry is organizing an online lecture on *"How to prepare for Competitive Examinations"* for FY; SY; TY BSc and M.Sc students under the Chem Kumbh- a platform under department of chemistry which caters to enhance skills of students and help them to prepare for various competitions and competitive examinations.

Speaker: Mr. Aditya Pratap Singh (Champions Academy)

Day: Monday

Date: September 20, 2021

Time: 10:00 am to 11:30 am

Platform: zoom

kindly fill the registration form: <https://forms.gle/xxrvKTfLsCBex8cM6>

34 students from FYBSC, SYBSC, TYBSC & M.Sc have registered for the Guidance lecture

Zoom Meeting

<https://us06web.zoom.us/j/9821343359?pwd=RzFNdnkzNTE2Uzh2VmZwUk82Ylo1Zz09>

YOUTUBE link

<https://www.youtube.com/watch?v=Lwl3U41nDh4>



Dr. Rupesh H. Gaikwad
Event Coordinator

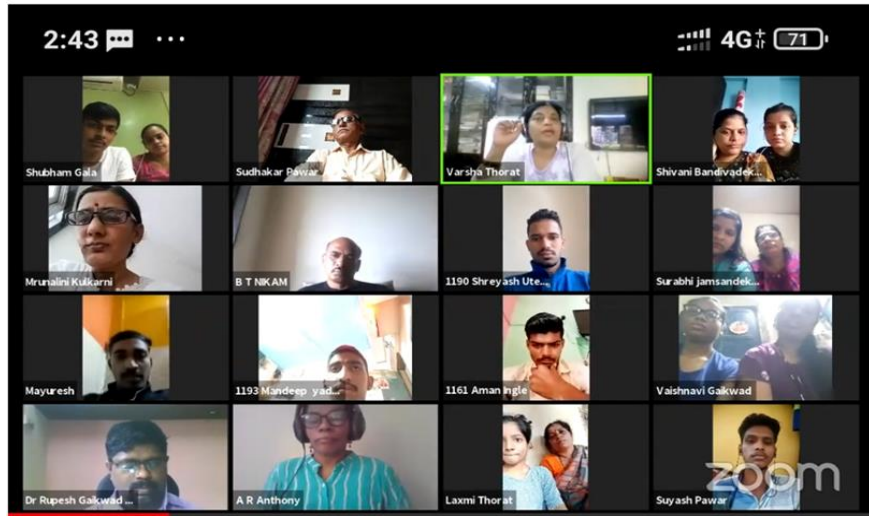


Dr. A. R. Anthony
Head, Department of Chemistry

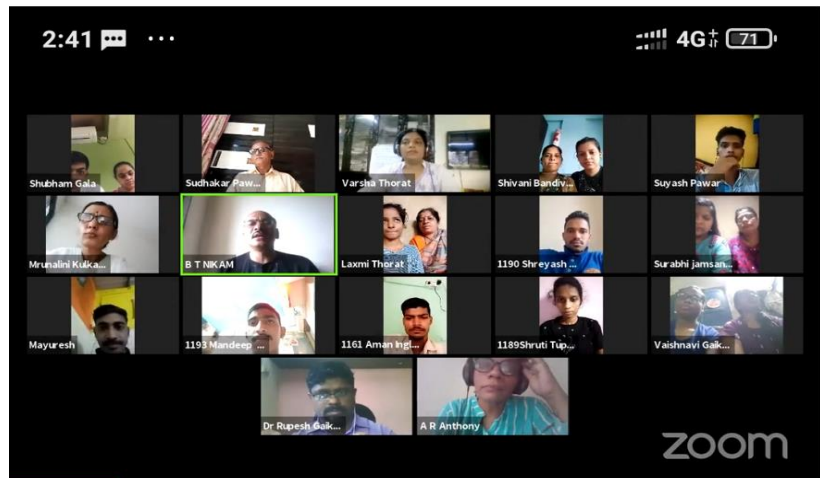


Dr. C. S. Panse
Principal

PTA for SY and TY

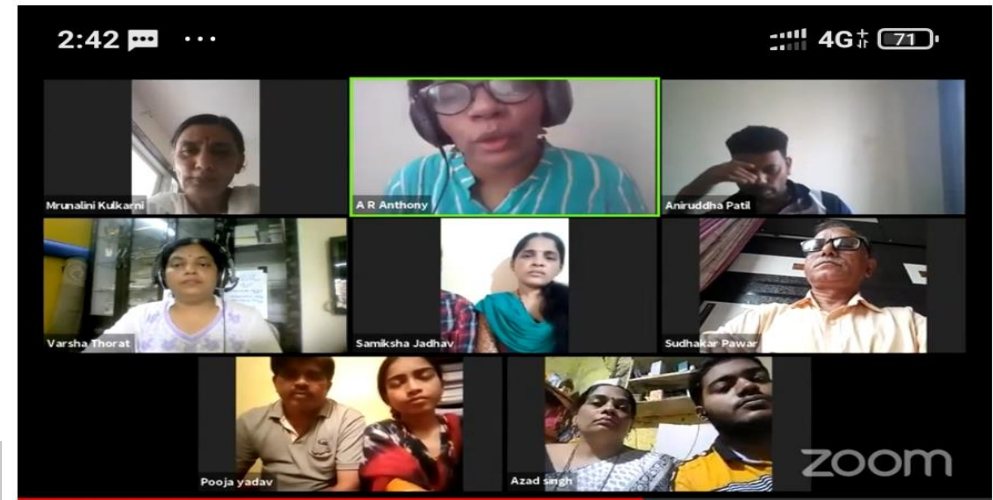


PTA CHEMISTRY (SY & TY BSC)

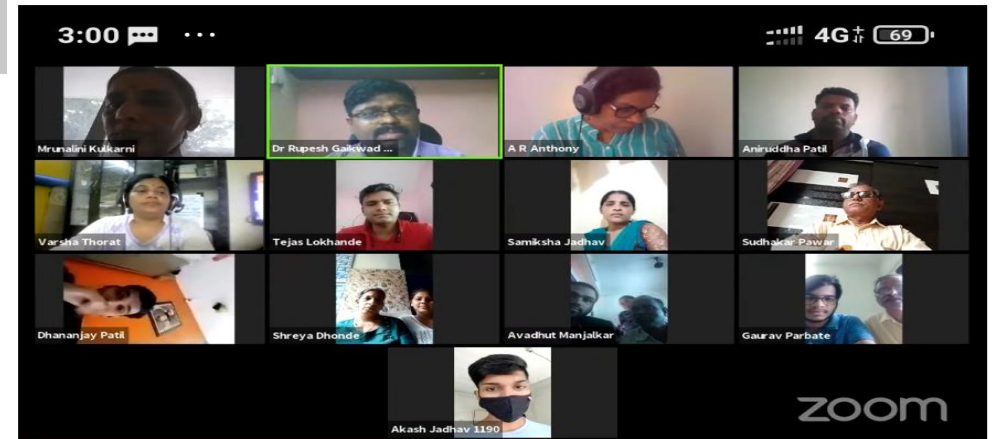


PTA CHEMISTRY (SY & TY BSC)

Online PTA Meeting
held on 25th
September 21 for
SY&TY BSc class



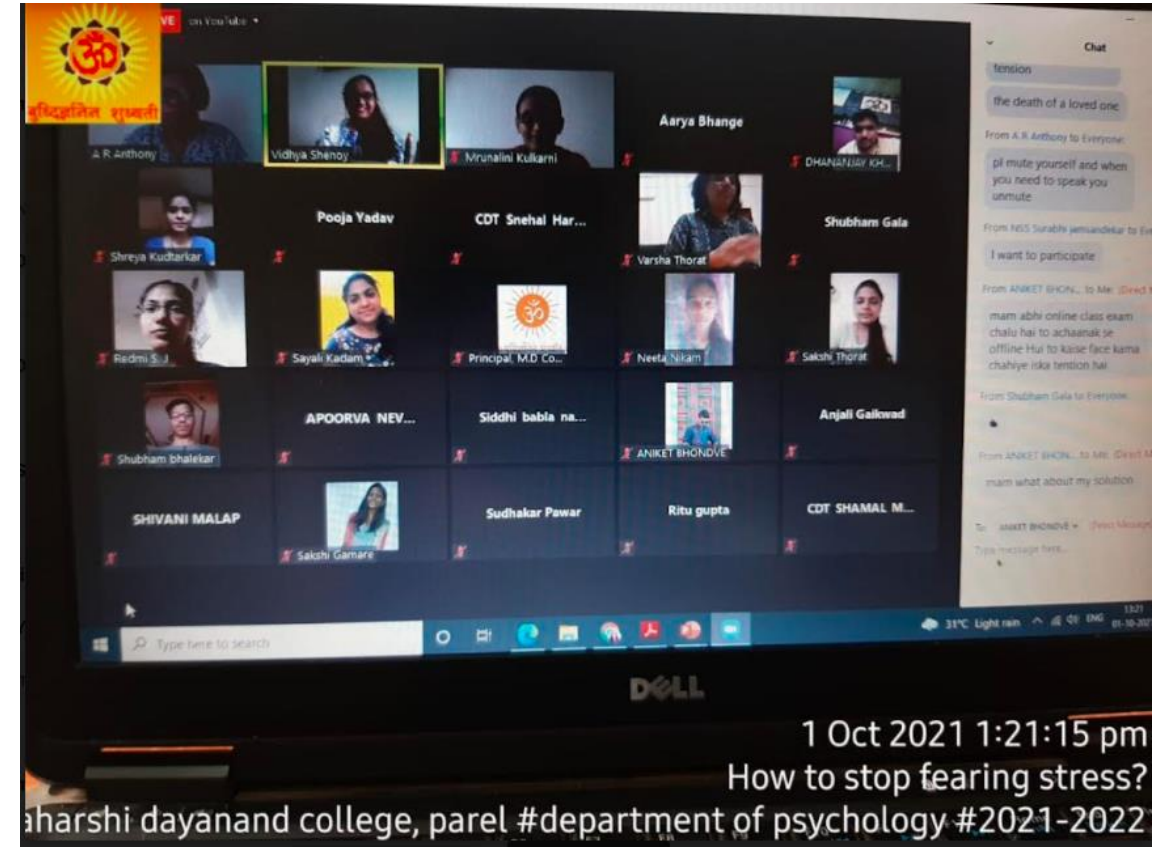
PTA CHEMISTRY (SY & TY BSC)



PTA CHEMISTRY (SY & TY BSC)

Counselling session by Vidya Shenoy for slow learners

- For TYBSc students
- Resource person- Ms Vidhya Shenoy, Psychologist
- Number of beneficiaries
= 54



Counselling Session-01/10/2021
How to stop fearing stress....

Certificate course in association with IARP-BARC, entitled 'Instrumental techniques in chemical analysis and Soft skill development'

TOPIC: INSTRUMENTAL TECHNIQUES IN CHEMICAL ANALYSIS AND SOFT SKILL DEVELOPMENT

IN ASSOCIATION WITH : INDIAN ASSOCIATION FOR RADIATION PROTECTION (IARP)-BARC

SPONSORED AMOUNT: Rs. 20,000/- [twenty thousand only]

DURATION: 29TH November 2021 to 06th December 2021

NUMBER OF PARTICIPANTS: 85

YOU-TUBE LINKS:

DAY1: OFFLINE

DAY 2: <https://www.youtube.com/watch?v=zXAW4481EQk>

<https://www.youtube.com/watch?v=zXAW4481EQk>

DAY 3: <https://www.youtube.com/watch?v=OSwFXR186Qs>

<https://youtu.be/2tfPf8xDZbw>

DAY 4: <https://www.youtube.com/watch?v=u-Vtrohbbpo>

<https://www.youtube.com/watch?v=uAlzTeb9YYs>

DAY 5: <https://www.youtube.com/watch?v=PKyi65ml42I>

DAY 6: <https://www.youtube.com/watch?v=3kXQcHsrjs>

<https://www.youtube.com/watch?v=3kXQcHsrjs>

DAY7: <https://www.youtube.com/watch?v=tK9fBYBG3H4>

<https://www.youtube.com/watch?v=tK9fBYBG3H4>

<https://www.youtube.com/watch?v=tK9fBYBG3H4>

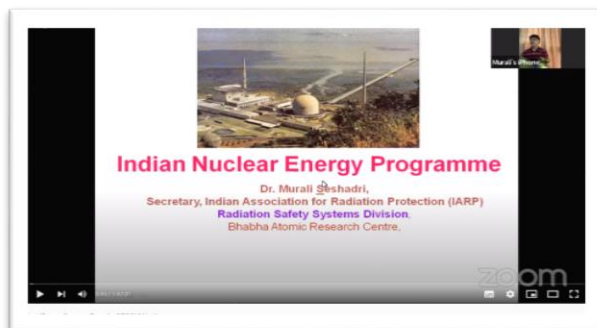
CERTIFICATE COURSE

DAY 1 : INAUGURAL SESSION

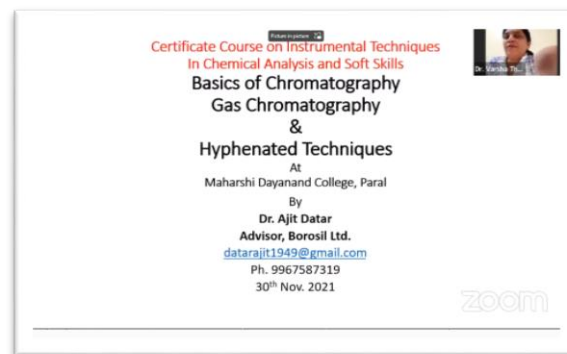


Inaugural talk by Prof Rajesh Vasta -INTERACTION OF LASER PULSES (RADIATION) WITH NANO-CLUSTERS

CERTIFICATE COURSE: ONLINE LECTURE



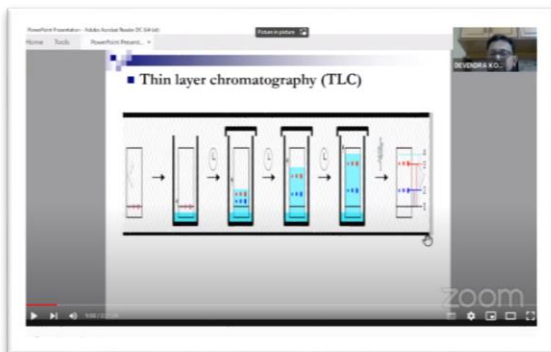
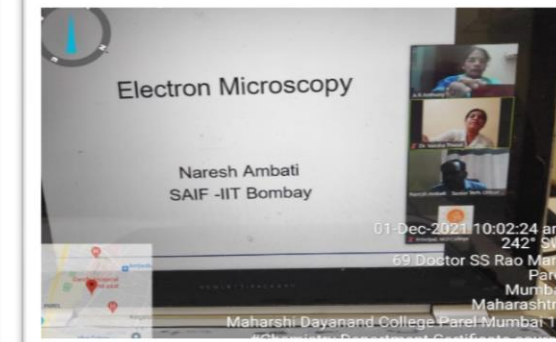
DAY 1: Dr. S. Murali, IARP



DAY 2: ONLINE SESSION BY Dr. Ajit Datar, Advisor for Borosil Ltd



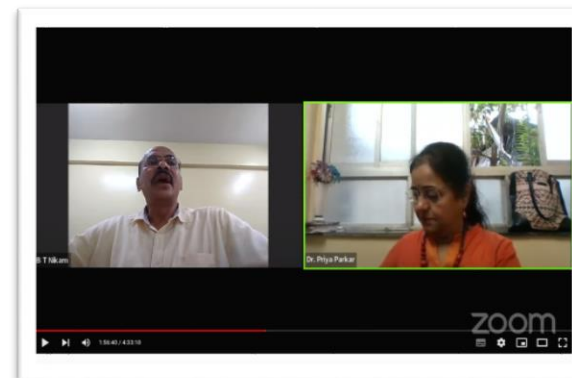
DAY 3: ONLINE SESSION BY RESOURCE PERSONS FROM IIT-BOMBAY



DAY 4: Dr Devendra Koladkar, Director of Analytical Lab.



Day 6: Skit Play by IARP – ‘Kam Mein Hain Dum’ on driving off myths on ‘Nuclear Energy Utilization’



DAY 7: Soft skill development session BY RESOURCE PERSONS FROM M.D. COLLEGE DR. PRIYA PARKAR AND SHRINATH SHANKAR



CERTIFICATE COURSE: (OFFLINE/ONLINE PRACTICAL SESSION)



PRACTICAL SESSION ON G M COUNTER IN RADIOACTIVITY AT M. D. COLLEGE.



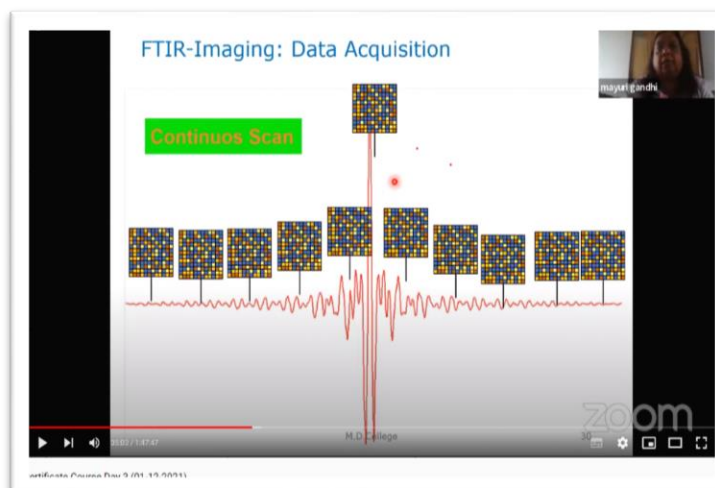
PRACTICAL SESSION ON SCINTILLATOR COUNTER USED RADIOACTIVITY AT M. D. COLLEGE.



ONLINE DEMONSTRATION OF HPLC FROM COMMERCIAL LABORATORY



ONLINE DEMONSTRATION OF NMR FROM IIT-BOMBAY



ONLINE DEMONSTRATION OF FTIR-IMAGING FROM IIT-BOMBAY



ONLINE DEMONSTRATION OF HYPHENATED HPLC FROM IIT-BOMBAY

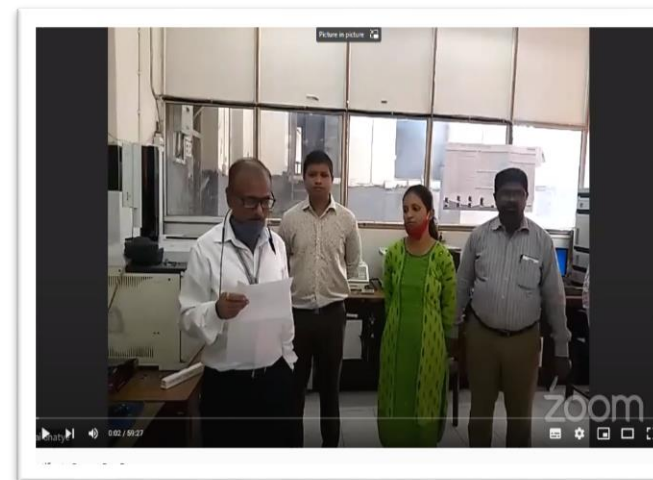
CERTIFICATE COURSE: VISITS (OFFLINE TO IIT BOMBAY AND ONLINE TO HAFFKINE INSTITUTE , PAREL



NMR DEMONSTRATION AT IIT-BOMBAY



TEM DEMONSTRATION AT IIT-BOMBAY



AT HAFFKINE INSTITUTE, PAREL



HPLC DEMONSTRATION AT HAFFKINE INSTITUTE, PAREL



AT IIT-BOMBAY



IR- SPECTROMETER DEMONSTRATION AT HAFFKINE INSTITUTE, PAREL

Azadi Ka AmrutMahotsav The Women of Matter-Talk Series

- Day & Date: Friday, 18 February 2022
- Time: 10am to 1.00pm
- Platform: Zoom

MAHARSHI DAYANAND COLLEGE OF ARTS, SCIENCE AND COMMERCE
Parel, Mumbai- 12

CHEMISTRY DEPARTMENT
Organizes
AZADI KA AMRUTMAHOTSAV
In Collaboration with
ENVIS SACON, Tamil Nadu
'The Women of Matter-Talk Series'

Day: Friday,
18th Feb, 2022
Time:
10am to 1.00pm

Platform: Zoom

Dr. Chhaya Panse
(Principal)

Dr. Mrunalini D. Kulkarni (Program Coordinator)

Session 1
Topic and Resource person
Population & Environment
Dr. Jayshree Kulkarni
Director,
Research Project
Bharatiya Stree Shakti

Session 2
Cosmic Cycle-My duty
Ms. Pratibha Singh (Retd)
Vice Principal &
Head, Chemistry Dept
R.J.College

Session 3
Organic Farming & sustainability
Dr. Kavita Rambal
Head, Botany Dept
M.D.College

Dr. A.R. Anthony
(HOD, Chemistry)

	Session 1	Session 2	Session 3
Title of the session	Population and Environment	Cosmic cycle- My duty	Organic Farming and Sustainability
Resource person	Dr. Jayshree Kulkarni Memembr of Paryavaran Daxata Mandal	Ms. Pratibha Singh(Retd) Vice-Principal & Head, Chemistry Department R.J.College	Dr. Kavita Rambal Head, botany Department, M.D.College

Number of participants=88

(On Hybrid mode)

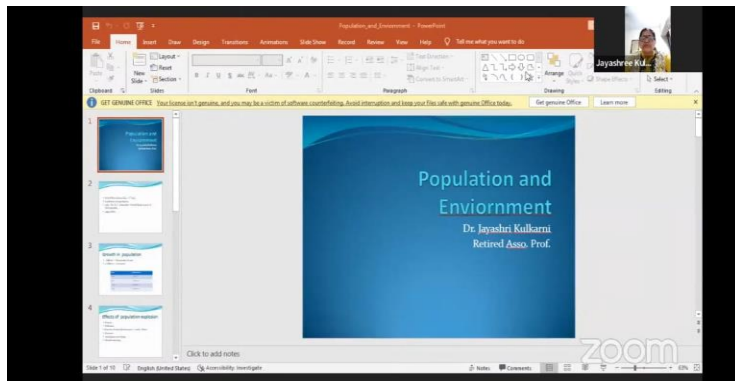
YouTube link

<https://www.youtube.com/watch?v=OAgIDuEe0rI>

Azadi Ka AmrutMahotsav The Women of Matter-Talk Series



Session -1 Population and Environment



Session -2 Cosmic cycle- My duty



Session -3 Organic Farming and Sustainability



Chem-Eminence-2022: Intercollegiate event



**Maharshi Dayanand College of Arts, Science & Commerce,
Parel, Mumbai.
Department of Chemistry
Organizes**

Chem-Eminence 2022

Monday, February 28, 2022

About Chem-Eminence 2022

The Department of Chemistry, Maharshi Dayanand College of Arts, Science and Commerce is organizing, Chemical Science Fest 'Chem-Eminence-2022' for propagation of Chemical Science & to ignite the young minds. This is the *fifth year of the event*, as we miss you all in the *COVID 19 pandemic situation there was no on / offline activity carried out. We are back again with the Hybrid mode of the intercollegiate chemical science festival.* Year 2022 is announced as International year of *Basic Sciences for Sustainable Development* by United Nations General Assembly. The event will provide a platform to undergraduate and post graduate students to foster their talent through the various events which testifies their fundamentals of subject and gives a scope for innovative ideas.

Poster presentation (Offline event)

(Time 09:30 hrs to 12:00 hrs)

Venue : Foyer

Topics:

1. Chemistry in day to day life
2. Chemistry in industrial growth and developments
3. Chemistry in development of health & medicine

Rules : No. of participants: 2 per poster Poster size : 100 cm X 75 cm

Chem- Tambola (Offline event)

(Time : 12:00 to 12:30 hrs)

Venue : Mini Theatre

Rules will be announced at the time of event.

Chem-Exegesis (Powerpoint presentation) (Offline event)

Time : 10:45 to 12:00 hr

Venue: Mini Theatre

Rule: 1. Time for each presentation is 10 min including Q&A, 2. One student participant / presentation

Topics:

1. Genesis of periodic table and its development
2. Understanding organic reaction mechanism
3. Conceptualization of thermodynamic to real life

Chief Guest

Dr. S. D. Samant

Emeritus Professor

UM-DAE Centre for Excellence in Basic Sciences,
University of Mumbai

Call for participants

College can nominate students for participation from B.Sc to M.Sc Kindly register on or before February 26, 2022.

Registration Link : <https://forms.gle/XT6V3JKSb5nUKryU7>

For further details you can contact:

Dr. A.R. Anthony Head, Department of Chemistry; 9869873063

Dr. Rupesh H. Gaikwad (rupeshhgaikwad@gmail.com / 9867636151 whatsapp no: 9867879484)

Note: College I-Card is compulsory 2. No Registration Fee

3. Government regulations will be followed for offline events

47 students from 4 colleges participated on the event
N. G. Acharya college,
Khalsa College,
sathye college,
M D College

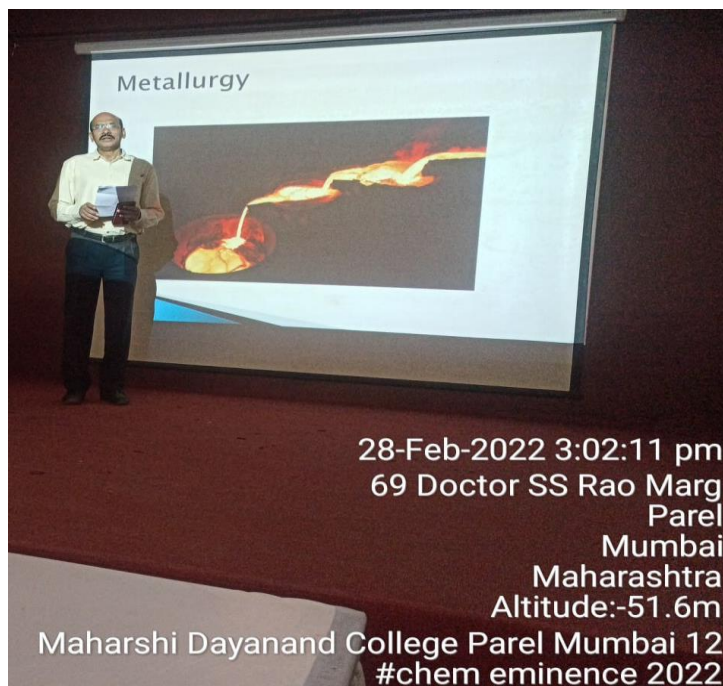


Zoom Meeting

<https://us06web.zoom.us/j/9821343359?pwd=c1ZF0U4TG4YrM1JEanIwa3JBY2Rqdz09>

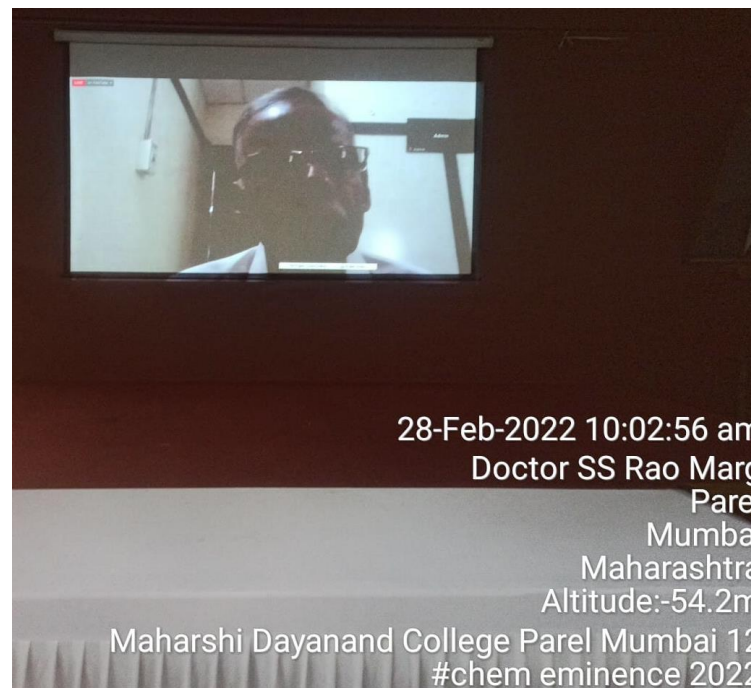
YOUTUBE link

<https://www.youtube.com/watch?v=EemGEjdp6-4>



28-Feb-2022 3:02:11 pm
69 Doctor SS Rao Marg
Parel
Mumbai
Maharashtra
Altitude:-51.6m
Maharshi Dayanand College Parel Mumbai 12
#chem eminence 2022

Asst. Prof. B. T. Nikam, Chem Tambola



28-Feb-2022 10:02:56 am
Doctor SS Rao Marg
Parel
Mumbai
Maharashtra
Altitude:-54.2m
Maharshi Dayanand College Parel Mumbai 12
#chem eminence 2022

Prof. S. D. Samant -Inaugural speech



28-Feb-2022 1:14:39 pm
Altitude:-51.6m
Maharshi Dayanand College Parel Mumbai 12
#chem eminence 2022

Student at power point competition



28-Feb-2022 3:16:26 pm
69 Doctor SS Rao Marg
Parel
Mumbai
Maharashtra
Altitude:-51.6m
Maharshi Dayanand College Parel Mumbai 12
#chem eminence 2022

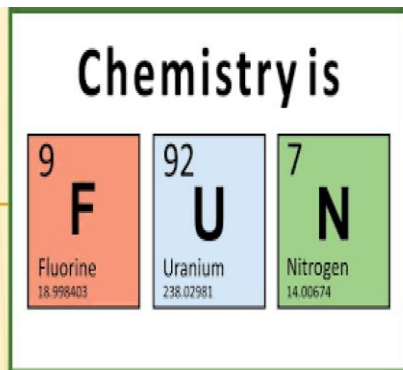
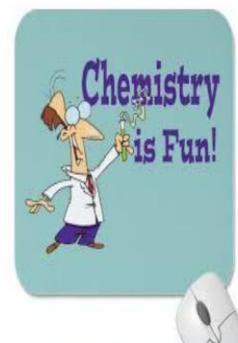
Felicitation of Dr Prashant Ghorpade (Kirti College)
Judge for PPT competition



28-Feb-2022 11:28:17 am
Parel
Mumbai
Maharashtra
Altitude:-54.2m
Maharshi Dayanand College Parel Mumbai 12
#chem eminence 2022

Dr. Tamanna Khan (Khalasa College) Judging poster

Fun with Chemistry: Outreach program

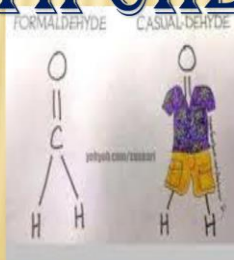
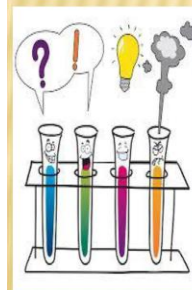
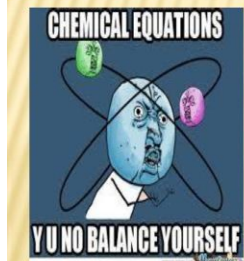


- Conducted at Shri Mammabai High School, Byculla
- On March 03, 2022
- For students of Class 8th, 9th.
- Around 99 students participated in the activity

DEPARTMENT OF CHEMISTRY
MAHARSHI DAYANAND COLLEGE OF ARTS, SCIENCE &
COMMERCE, PAREL, MUMBAI-400012.

WELCOME YOU ALL
For

FUN WITH CHEMISTRY



Mar 3, 2022 13:42:37

Maharshi Dayanand College, Parel, Mumbai

#fun with chemistry 2022



Mar 3, 2022 12:50:18
Maharshi Dayanand College, Parel, Mumbai
#fun with chemistry 2022



Mar 3, 2022 14:04:05
Maharshi Dayanand College, Parel, Mumbai
#fun with chemistry 2022



Mar 3, 2022 12:46:05
Maharshi Dayanand College, Parel, Mumbai
#fun with chemistry 2022



Mar 3, 2022 12:11:53
Maharshi Dayanand College, Parel, Mumbai
#fun with chemistry 2022

Skill Development Program: Essential oil extraction from herbal products/ preparation of cold and vanishing cream



Preparation of cold cream and Vanishing cream

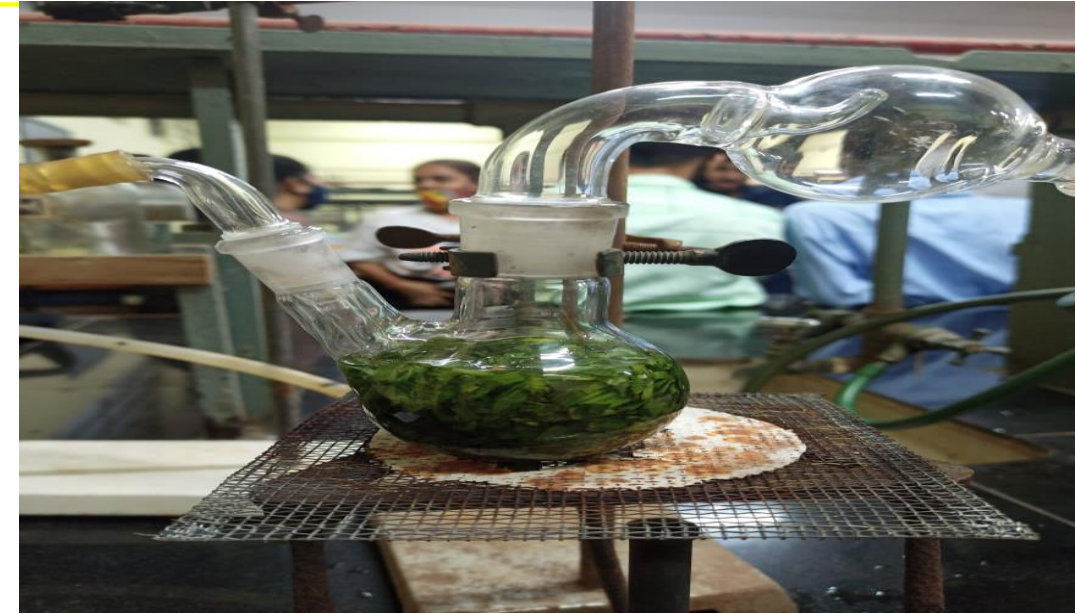


Skill Development Program: Essential oil extraction from herbal products/ preparation of cold and vanishing cream



Mar 14, 2022 13:18:46
Maharshi Dayanand College, Parel
#Department of Chemistry #Skill Development

Extraction of
essential oil
from
cinnamon,
lemon grass,
orange peels



Mar 14, 2022 13:33:44
Maharshi Dayanand College, Parel
#Department of Chemistry #Skill Development



Mar 14, 2022 13:39:37
Maharshi Dayanand College, Parel
#Department of Chemistry #Skill Development

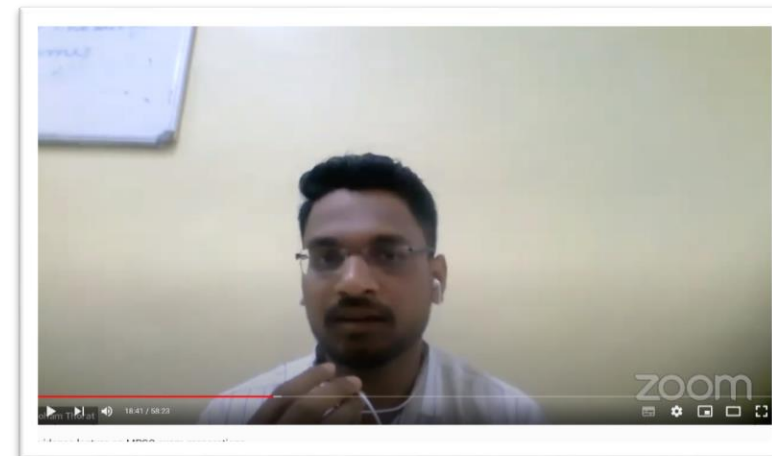


Mar 14, 2022 13:20:34
Maharshi Dayanand College, Parel
#Department of Chemistry #Skill Development

Degree certificate distribution TYBSc & MSc degree at Departmental Level

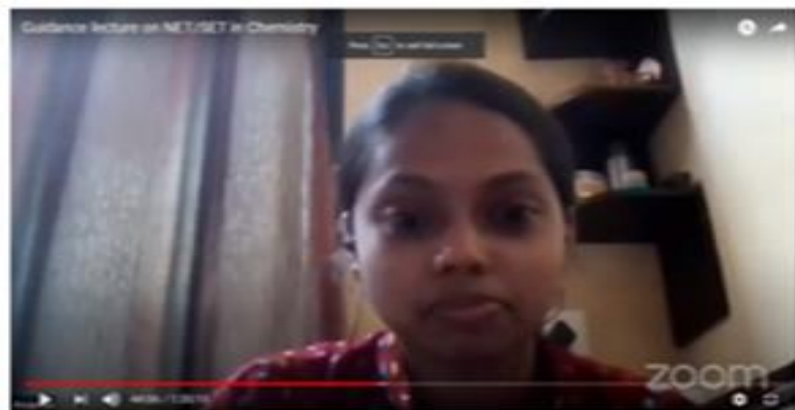


STUDENTS EXCELLED IN COMPETITIVE EXAMINATIONS



ONLINE GUIDANCE LECTURE ON, "MPSC/UPSC EXAM PREPARATIONS"
<https://www.youtube.com/watch?v=3zBmRoj9OcY> (26-03-22)

FELICITATION OF ALUMNUS MR. SACHIN KHUTWAD FOR 5TH RANK IN MPSC (IPS) EXAMINATION



**Anuprita is JRF NET qualified.
She is NET twice, SET and GATE qualified**



CLEARED IIT-JAM; TEJAS LOKHANDE & ROSHANI MORE