



**INSTITUTE OF SCIENCE, NAGPUR**  
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)  
NAAC Accredited 'A' Grade

**ANNUAL REPORT**  
**2022-23**



**Director**  
**Dr. Anjali Rahatgaonkar**



# **INSTITUTE OF SCIENCE, NAGPUR**

(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

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## **DEPARTMENT OF CHEMISTRY**

### **ANNUAL REPORT OF CHEMICAL SOCIETY 2022-23**



**SUBMITTED BY**

**Prof-In-Charge  
Dr. Sugan Jadhao**

**President of CS  
Miss. Priya Nerkar**

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# INSTITUTE OF SCIENCE, NAGPUR

## Department of Chemistry

### Chemical Society 2022-23

TEACHER INCHARGE	DR. SUGAN JADHAO	Asst. Professor of Chem. Dept.	
PRESIDENT	Miss. Priya Nerkar	M.SC-II	7030650936
VICE-PRESIDENT	Miss. Devashree Diwanji	M.SC-II	7743968616
SECRETARY	Miss. Bharti Yadav	M.SC-II	7972486065
JOINT-SECRETARY	Miss. Mrunalini Yeole	M.SC-II	9130663651
COORDINATOR	Mr. Sushant Rathod	M.SC-I	9689953028
TRESSRUR	Miss. Sonali Diyewar	M.SC-II	8080041059
TRESSRUR	Mr. Nitin Kharwade	M.SC-II	9422679058
MEMBER	Miss. Saumya Singh	M.SC-II	9423845473
MEMBER	Mr. Akhil Jumde	M.SC-II	9359819672
MEMBER	Miss. Neha Dhakate	M.SC-II	8806056338
MEMBER	Miss. Namrata Dahake	M.SC-II	9112642395
MEMBER	Mr. Brijkishor Tripathi	M.SC-II	7066065632
MEMBER	Miss. Monali Batki	M.SC-I	8805581164
MEMBER	Miss. Anisha Labale	M.SC-I	9075114846
MEMBER	Miss. Shehroz Afreen	M.SC-I	9146812462
MEMBER	Miss. Vinita Tijare	M.SC-I	9422946644
MEMBER	Miss. Spurti Dekate	M.SC-I	9168304505
MEMBER	Miss. Prachi Itankar	M.SC-I	7219741207
MEMBER	Mr. Rohit Chanorkar	M.SC-I	9307974990

Teacher In charge

Head  
Chemistry Department

#### **4. 'INAUGURATION OF CHEMICAL SOCIETY 2022-23'**

**Chief Guest:** Dr. Nandkishor N. Karade, Prof. & Head, Department of Chemistry, RTMNU.

**Guest of Honor:** Dr. Sunil H. Ganatra, Prof. Of chemistry (Retired).

**Resource Person:** Dr. Rajdip Utane, Asst Prof. & Head, Department of Chemistry, SGGM, Nagpur.

**Date:** 27th September 2022

Institute of Science, Nagpur had organized inauguration of their Chemical society on Tuesday 27th September, 2022. The program went synergistically with a poster competition as well as One- day workshop on 'Surfactants: making and sollicitation'.

The program opened with ribbon cutting by the Chief guest, Dr. Nandkishor N. Karade, commemorating a new beginning in the form of this event. The anchors for the first half were Mr. Ayush Kusram and Ms. Anisha Labale, from M.Sc. I, who opened the program with their welcoming remarks. This was followed by the floral welcome of the dignitaries namely Dr. Nandkishor N. Karade, Dr. Sunil H. Ganatra, Dr. Rajdip Utane, Dr. Sujata Deo, Dr. Sughan Jadhao, Dr. Balu Navale and Dr. Ashok Kalambe. Afterwards, Lamp was lit by the dignitaries representing a light of knowledge and learning.



Post this, Dr. Sughan Jadhao, Teacher Incharge of Chemical Society 2022-23, gave a brief remark on the working of chemical society and its importance. He also laid down definitive aims and objectives for the Chemical Society. This was followed by the installation ceremony of Chemical Society 2022-23. Chief Guest, Dr. Nandkishor N. Karade declared the inauguration of Chemical society for the academic year 2022-23 and revealed the committee. Anchors then requested dignitaries to present the badges to respective post holders.

Followed by this, felicitation of meritorious students commenced. The college awards their Organic Chemistry topper with 'Late Abhijeet Gupta Silver Medal'. This year, this prestigious silver medal was bagged by Ms. Suchita Padole. The college also appreciated their successfully placed students and students excelling in various competitive examinations. Ms. Prachi Mahajan was awarded with a token of appreciation and certificate for clearing SET examination. Ms. Sayali Balbudhe was felicitated for receiving excellent placement at Parker Hannifin India Pvt Ltd and for securing highest marks in semester IV organic chemistry, for year 2021-22. She was also presented with a token of appreciation and a certificate.



The second half of anchoring was handled by Mr. Sushant Rathod and Ms. Monai Batki from M.Sc. I. They invited Ms. Bharti Yadav, secretary of chemical society to read the annual report of the previous year's work. Post this, anchors invited the president of chemical society, Ms. Priya Nerkar to deliver her remark on her goals as the leader of society. She keenly promised to right the wrongs of two year of pause and organize numerous competitions to foster learning amongst students.

This was followed by addresses from the dignitaries. Anchors invited Ms. Mrunalini Yeole, Joint Secretary of chemical society to introduce the Chief guest, Dr. Nandkishor Karade. She further invited him to address the gathering.

Dr. Karade gave a brief about the origin of chemical society, and information about the renowned chemists who were part of such societies, like Jones, Williamson, etc. He briefed students about the Royal Chemical Society reaching till Indian Chemical Society, emphasizing upon its vitality. Looking at the gender ratio trend amongst master students in the audience, sir mentioned about the difficulty women faced to be part of such prestigious organizations. Scientists like Madam Curie, etc. who fought hard to claim their seat at such tables, paved the way for women to pursue sciences.

Post this, anchors invited Ms. Namrata Dahake, active member of Chemical Society, to introduce Guest of honor, Dr. Sunil H. Ganatra. She further invited him to address the gathering.

Dr. Ganatra narrated the journey of his career. He told the story of the development of his chemical understanding and how with each bit he appreciated every aspect of chemistry. He motivated students to explore the subject and understand its importance.

Later, Anchors invited Ms. Devashree Diwanji, Vice President of Chemical Society, to introduce the resource person, Dr. Rajdip Utane. She further invited him to address the gathering.

Dr. Utane briefed the audience about the subject matter associated with his upcoming workshop and how it is vital for students to enhance their entrepreneurial skill. Anchors further welcomed Dr. Sujata Deo, Prof & Head, Department of Chemistry, Institute of Science to address the gathering.



Dr. Deo narrated a picturesque story of a hardworking student who faced abundant hardships to reach at the peak of success. Despite his insurmountable odds he bagged numerous felicitations and rose to greater heights. Ma'am then revealed that this story was of Dr. Rajdip Utane. Assembly broke into applause of appreciation. She motivated students to work coherently in this society to enhance their subject as well as employment skills. Lastly, Anchors welcomed Dr. Ashok Kalambe to propose the formal vote of thanks. The inauguration ceremony ended on a fruitful and enriching note.

## **5. ONE-DAY TOUR TO RAMAN SCIENCE CENTER**

**Date: 21<sup>st</sup> January 2023**

The Chemical Society of the Institute of Science Nagpur organized a One-day Visit to the Raman Science Center on 21st January 2023. Students arrived at the Raman Science Center at 12:30 PM. Initially, they visited the ongoing Science Expo and gathered in the lab with Dr. Priti Tayade ma'am. Students were led by Ms. Devashree Diwanji and Mr. Sushant Rathod, Vice-President and Coordinator of the Chemical society.



Dr. Priti Tayade directed students to the Lecture Hall where the session was conducted. Dr. Seesha Sai was the resource person for the session, who spoke on the topic 'Metals and Minerals: Mineral Wealth of India'. Dr. Sai is the Director of the Geological Survey of India, and profusely explained the types of minerals found in Indian lithos. Sir also emphasized the economic aspect of mineral wealth and how the youth of India must persevere to hold fast to this bounty







As students of chemistry, it was observed that much chemistry knowledge was required in the field, and it is a potential job prospect. Students engaged in conversation with Dr.Sai about the same and he explained to students how they can turn this into a career. It was a plausible option for the Inorganic Chemistry specialization.

## **6. QUIZ COMPETITION CONDUCTED BY CHEMICAL SOCIETY 2022-23**

### **Judges:**

- Mr. Abhilash Sukhdeve (Assistant Professor, Govt. Institute of Forensic science)
- Mr. Prashant Shrisath (Assistant Professor, Department of Chemistry, Institute of Science, Nagpur)
- Dr. Balu Navale (Assistant Professor, Department of Chemistry, Institute of Science, Nagpur)

**Date: 29th March 2023**



Chemical Society of Institute of Science, Nagpur had organized a 'Chem-Quest' consisting of Intercollegiate Quiz and Seminar Competition on 29th March 2023. The Quiz competition was held in Auditorium (Room no. 45) of the Institute of Science. The Quiz yield participation of 11 teams from various colleges such as PGTD, RTMNU, Shivaji Science, Kamla Nehru College, etc.

The Quiz competition had four severed rounds viz. Screening, Visual, Specialisation and Rapid fire. Specialization rounds had sub-rounds of subjects organic, inorganic, physical and analytical chemistry. Eight teams were selected from screening to play the Visual round. Four teams were selected from Visual to play specialization. The teams were named from members of first transition series elements. Team Scandium and Team Vanadium played the final rapid fire round. These teams were from the Institute of Science and PGTD, RTMNU. Team Scandium, of PGTD RTMNU emerged as the winner of the competition. The program concluded by enriching students with concepts and it's clarity as they faced the series of questions.

## **7. SEMINAR COMPETITION CONDUCTED BY CHEMICAL SOCIETY 2022-23**

The chemical society under the department of science, Institute of science, Nagpur has organised the inter – collegiate seminar competition for PG students of chemistry on 29th march 2023, Wednesday.

The students were allowed to present their topic of seminar in the form of power point presentation.

The topics for presentation of this competition were

1. Crystal field theory (CFT)
2. Aromatic substitution reaction
3. Heavy metal toxicity in environment

In this competition, each participant was given 7 minutes to present their topic and then 3 minutes for resolving queries from judges and audience. The marking scheme of this competition was divided on following five criteria:

<b>SR. NO.</b>	<b>CRITERIA</b>	<b>MARKS</b>
1	PPT PRESENTATION	10 MARKS
2	SUBJECT KNOWLEDGE	10 MARKS
3	INTERACTION AND CLARITY OF SPEECH	10 MARKS
4	TIME MANAGEMENT	10 MARKS
5	QUESTIONING ROUND	10 MARKS

In this way there were total 100 marks for the seminar, 50 marks from each judge. The judges for the competition were Dr.Sunil Ganatra, the retired professor of department of chemistry of institute of science and Dr.Rajdip Utane , HOD of Sant Gadge Baba Mahavidyalaya. Total 8 students from different colleges participated in this competition. Based on the results from the judges, three winners were chosen and they were awarded with cash price.

POSITION	NAME OF THE STUDENT	NAME OF THE COLLEGE	CASH PRIZE
1 <sup>st</sup>	Miss Sakshi Mandavgade	PGTD , RTMNU , Nagpur University	Rs. 1500/-
2 <sup>nd</sup>	Mr. Ayush Kusram	Institute Of Science , Nagpur	Rs. 1000/-
3 <sup>rd</sup>	Miss Prachi Trivedi	PGTD , RTMNU , Nagpur University	Rs. 500/-



The program begins with the felicitation of judges . Miss Priya Nerkar, The president of chemical society felicitated the judge and chief guest of this competition Dr. Sunil Ganatra with sapling.

Then Miss. Apeksha Jain , the student of MSc 2<sup>nd</sup> year felicitated the second judge and chief guest of this competition Dr. Rajdip Utane with sapling.

At the end of the program, the judges were given memento as a token of love from institute of science by Dr. Sujata Deo, the HOD department of chemistry and by Dr. Sugan Jadhav , teacher – in –charge of chemical society . With the help and co-ordination of all the students of MSc chemistry this event became successful.

## **8. VALEDICTORY CEREMONY OF CHEMICAL SOCIETY 2022-23**

**Date: 29th March 2023**

Chemical Society of Institute of Science, Nagpur conducted the valedictory program for the session 2022-23. It was conducted parallel to the Quiz and Seminar Competition organized by the society. -



The program witnessed presence of dignitaries like Dr. Rajdip Utane (Head, Department of Chemistry, Sant Gadge Baba Mahavidyalaya), Dr. Sujata Deo (Head, Department of Chemistry) Dr. Sugan Jadhav (Assistant Professor, Department of Chemistry). The prizes for Poster competition held in September 2022 were distributed on this day. The poster competition had two topics, based on which best three entries in each category were chosen.

The two topics for the competition were Climate Change and Creative representation of Periodic tables. The winners in each category were felicitated by the dignitaries. The prizes for Climate Change were won by Ms. Nargis Sheikh, Ms. Shrutika Nagpur, and Ms. Rasika Lanjewar. The prizes for creative representation of Periodic Table were won by Ms. Mansi Gawande and Ms. Prachi Itankar. The program concluded the society's session on an enriching and fruitful note.



## Department of Botany

### Session- 2021-22



The Department of Botany was established in 1929 and since then it is flourishing in the fields of Plant sciences and penetrating deep knowledge in the minds of Graduates and Post Graduates. The Department of Botany is well equipped with the research and infrastructure facilities. Department is currently running under the able guidance of Prof. P. S. Jakhi, Head Department of Botany, accompanied by 7 well-qualified teaching faculty members.

**Botanical Society:** Botanical Society of Government Institute of Science Nagpur, for the Session 2022-23 was inaugurated on 24<sup>th</sup> September 2023 at the hand of Prof N. M. Dongarwar Head, Department of Botany, RTMNU Nagpur with a lecture on “Are plants Intelligent?”. Prof P.S. Jakhi, Head, Department of Botany has introduced the Chief Guest to the student. The Program was presided by Dr Anjali Rahatgaonkar, Director Institute of Science Nagpur. Prof. Incharge of Botanical Society Dr. Uma N. Thakur has introduced the students about the formation of botanical society and its working. Botanical society for 2022-23 was constituted, which includes Tejas D. Dharmale as Secretary, Ms. Nidhi Upadhyay as Joint Secretary, Harshali Pilleywan as Treasurer, Sakshi Shrikhade as Joint treasure, Tour organiser Satayajeet Bhelawe and Joint Tour organiser as Hrithik Uikey. Many dignitaries have attended the lecture like Dr. K. R. Gopal, Dr. S. U. Borkar, Dr. S. S. Bodkhe, Dr. H. R. Pohekar, Mr. N. B. Yemul, Mr. S. J. Borkar and Other staff members. Teacher’s day celebrations were organised by the PG students and Prof P. S. Jakhi guided the students for their overall development. Latter the event was followed by Plantation activity in the department. Ornamental plant exhibition was organised by B.Sc. Sem III students under the guidance of Dr. S. S. Bodkhe to understand the aesthetic, medical value along with systematic position of the plant. The event is inaugurated as well judged by Prof P. S. Jakhi, Head Department of Botany. Many faculty member of the department as well as college as cherished the beauty of ornamental plants. Plantation program was organised by plant physiology specialization students in the Botanical garden of the department on 29<sup>th</sup> July 2022.

**Research:** Prof. P. S. Jakhi has nominated as a Member of Board of Studies, RTM Nagpur University Nagpur. He chaired two session in national conference and published 5 research

papers, out of which 4 research papers were published with ongoing PG students to motivate and encourage the students towards research. Dr. P.S. Jakhi has also completed two faculty developmental programmes, seven different online programmes related to various aspects of life science and made 4 presentations and two posters at different platforms. Prof P.S Jakhi has successfully completed the capacity building programme on basics of plant taxonomy and now one more capacity building programme is conducted by Dr. N.B. Yemul and Mr. S. J. Borkar on basics of Genetics. Dr. P. S. Jakhi and Dr. N. B. Yemul worked as Judge in Wild Plant Photography Competition 2022, organised by Rashtrapita Mahatma Gandhi Art's and Science College, Nagbhid. Prof. S.U. Borkar has presented a paper entitled "Traditional Polyherbal formulation for Urolithiasis" in Start Herb virtual conference on 14<sup>th</sup> and 15<sup>th</sup> October 2022. Dr. K. R. Gopal has published 4 research papers in various UGC care listed journals. Dr. H. R. Pohekar has received Best Faculty Award 2022 from GRABS Educational Charitable Trust for their outstanding contribution and continued dedication to student's community. Dr. Seema Bodkhe delivered a guest lectures at Kamla Nehru Mahavidyalaya on Nursery Techniques. She has also attended two workshops on NEP 2020 organised by SPPU Pune and one workshop on Herbal technology on 8<sup>th</sup> march 2023. She has also presented one paper on gender equality. Dr. U. N. Thakur has published one research paper in UGC care listed journal and delivered a talk on "Ex situ conservation of some orchids in a Refresher course of UGC HRDC Nagpur. All the faculty members were actively involved Indian Science congress from 3-7<sup>th</sup> Jan 2023 held at RTM Nagpur University Nagpur.

**Eminent Delegates Visit to the Department:** Department of botany was visited by various eminent personalities and they have shared their knowledge with the students and staff. Dr. Amot Dafni, renowned Palynologist from Israil has visited the Department on 3<sup>rd</sup> of Jan 2023. Dr. Amot Dafni has appreciated the fossil collection of the department and discussed various aspects of Palynological research with the Staff of the department. Later, Australian delegates have also visited the department and shared their knowledge with the students.

**Study Excursion:** Botanical curriculum is always filled with the excursions to learn the botany in the nature. So various study excursions were organised for the students by various expert faculty members of the department. Study excursion was organised for PG students to Rajbhawan under the guidance of Prof. P. S. Jakhi, Prof S. U. Borkar and Dr H. R. Pohekar, Study excursion was organised for the B.Sc. Sem I students on 22<sup>th</sup> September 2022 to Gorewada International Zoological Park, Nagpur. Dr. H. R. Pohekar and Dr. N. B. Yemul



accompanied the students. A trip to Makardhokda dam was organised by Dr. . B. Yemul for the students of B.Sc. Sem V. A short excursion was organised for B.Sc. II students by Dr. H. R Pohekar to Maharaj Bag Zoological Park on 13<sup>th</sup> march 2023. Dr. N. B. Yemul has organised a study excursion for B. Sc. Sem VI students to Maharajbagh Zoological park Nagpur on 27<sup>th</sup> march 2023 Nagpur. A short excursion was organised by Dr. S. S. Bodkhe to Nursery for the students of B. Sc sem IV to make the students aware about nursery plants.

**Students Achievements:** Sonal Mankar Awarded with Late Dr. S.D. Chitaley gold medal award for securing highest marks in palynology specialization by RTMNU, Nagpur. AASCON scholarship was allotted to Ms. Snehal Nehare and Jayant Meshram for securing highest Marks in Botany in M.Sc. First Year and M.Sc. Second year vice versa.



Nagpur, Maharashtra, India  
 43WF+JXH, Rabindranath Tagore Rd, opp. Air India  
 Office, Civil Lines, Nagpur, Maharashtra 440001, India  
 Lat 21.147071°  
 Long 79.075103°  
 24/09/22 01:01 PM GMT +05:30

Botanical Society Inauguration



Nagpur, Maharashtra, India  
 539F+4HM, Near raj bhawan garden, Sadar, Nagpur,  
 Maharashtra 440001, India  
 Lat 21.167332°  
 Long 79.075319°  
 10/09/22 10:08 AM GMT +05:30

Rajbhavan Study Excursion for PG students



Botanical Excursion of B.Sc. Sem I to International Gorewada Zoological Park



3, Hislop College Rd, Civil Lines, Nagpur, Maharashtra 4  
 Latitude 21.14758° Longitude 79.0735088°  
 Local 01:37:30 PM Altitude 282 meters  
 GMT 08:07:30 AM Friday, 24.03.2023

Staff Discussion with the Australian delegates



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(An Autonomous Institute of Government of Maharashtra)  
Civil Lines, R. T. Road, Nagpur 440001  
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**SOCIETY REPORT  
OF  
DEPARTMENT OF ENVIRONMENTAL SCIENCE  
2022-2023**



**Report Submitted  
by  
Dr. Mohammad Idrees  
Head  
Department of Environmental Science**

**Department of Environment Science, Institute of Science, Nagpur**



**Committee Members: Department of Environmental Science: 2022-2023**

Sr. No.	Name of the Member	Post	Department / Class
<b>Staff</b>			
	<b>Dr. Mohammad Idrees</b>	<b>Head</b>	<b>Environmental Science</b>
<b>Students</b>			
<b>1.</b>	Pallavi Pohankar	<b>President</b>	<b>M.Sc.II (Envo)</b>
<b>2.</b>	Vaishnavi Sarode	Vice-President	<b>M.Sc.I (Envo)</b>
<b>3.</b>	Prajakta Hazare	<b>Secretary</b>	<b>M.Sc.II (Envo)</b>
<b>4.</b>	Anshika Mishra	Joint- Secretary	<b>M.Sc.I (Envo)</b>
<b>5.</b>	Varada Risaldar	<b>Coordinator</b>	<b>M.Sc.I (Envo)</b>
<b>6.</b>	Dheeraj Chavhan	Co-coordinator	<b>M.Sc.I (Envo)</b>
<b>7.</b>	Nisha Rohankar	<b>Treasurer</b>	<b>M.Sc.I (Envo)</b>
<b>8.</b>	Purvi Vaishnav	<b>Member</b>	<b>M.Sc.I (Envo)</b>
<b>9.</b>	Lokesh Gaikwad	Member	<b>B.Sc. II (CBZ)</b>
<b>10.</b>	Hitakshi Pandya	Member	<b>B.Sc. III (CBZ)</b>
<b>11.</b>	Krishna Patel	Member	<b>B.Sc. II (CBZ)</b>
<b>12.</b>	Mandar Kadwe	Member	<b>B.Sc. II (CBZ)</b>

## **Introduction:**

A contemplation of hoisting the Environmental Science Department was perceived by Dr. R.B. Kharat, Professor at the Department of Chemistry, Government Institute of Science, Nagpur to disseminate the Ecological knowledge and inculcate the sense of nurturing sustainable nature among the young intellects. Department of Environmental Science commenced in the year 1986 (academic session) at Government Institute of Science, Nagpur.

From past 37 years, Departmental of Environmental Science is creating the dedicated, legitimate and hardworking students with core knowledge about Ecosystem, Biodiversity, Natural Resource Management and Pollution abatement technologies which eventually satiate the aforementioned placements.

## **Objectives of Formation of Environmental Science Society:**

To bring about awareness among students and society it's necessary to form such society and organize various programs related to environment and issues pertaining to it. Environmental education should .....

- (a) Be made compulsory, right from the primary up to the post graduate stage.
- (b) Have an interdisciplinary approach by including physical, chemical, biological as well as socio-cultural aspects of the environment. It should build a bridge between biology and technology.
- (c) Take into account the historical perspective, the current and the potential historical issues.
- (d) Emphasize the importance of sustainable development i.e., economic development without degrading the environment.
- (e) Emphasize the necessity of seeking international cooperation in environmental planning.
- (f) Lay more stress on practical activities and first hand experiences.

## Committee of the Environmental Science Society has organized following Programs: 2022-23

### Inaugural Ceremony of the Environmental Science Society

16<sup>th</sup> Sept. 2022

The session was started on August 2022. Department of Environmental Science has inaugurated the Society for this session on 16<sup>th</sup> September 2022, as this Day is also marked as World Ozone Day. Inauguration function was organized by faculties of department with due permission from respected Head of Department Dr. Idrees Sir. The Chief Guest for the Function was Dr. Lata Sridhar, Scientist, Regional Meteorological Centre Nagpur in Inauguration Function the society was made with Members from M.Sc. First Year as well as Second Year. List of members are as follows: President: Ms. Pallavi Pohankar. Vice- President- Miss Anshika Mishra, Treasurer- Ms. Nisha Rohankar Secretary- Ms. Prajakta Hazare.

As Inauguration Function was on World Ozone Day Society members have organized various competition as: Photography contest, Poster Making and Quiz Competition on various topics. Winners of the competition have been honored with Gold and Silver medals and participants with certificate

#### Felicitation of the Chief Guest and HOD during Inauguration of the Society





## INSTITUTE OF SCIENCE

PRESENTS

### PHOTOGRAPHY contest

Theme :

1. Birds of our Environment
2. Nature- Light and Darkness
3. Essence of Living Environment

Last Date of Submission  
15-09-2022, Thursday  
Time : 1:00 pm.

For Queries/submission of Photos  
Contact : Dhirej Chavan  
9529605759.  
Vaishnavi Sarode  
7620586743.



Organized by  
Environmental Science  
Department

## Institute of Science

Presents

### QUIZ COMPETITION

On celebration of

#### Ozone Day

**Date : 15<sup>th</sup> September 2022, Thursday**  
Venue : Department of Environmental Science  
Topic : World Ozone Day  
Time : 3: 30 pm to 4: 20 pm

For Queries

Contact : 1) Vaishnavi Sarode : 7620586743  
2) Vidya Chute : 9049547842

Organized By :  
Department of Environmental Science

## INSTITUTE OF SCIENCE

Presents

### POSTER MAKING COMPETITION

On the theme

1. Awareness for ozone depletion
2. Ozone a wonder Umbrella
3. Ozone layer roof of earth

Last Date of submission  
15-09-2022, Thursday.

Organizer  
Environmental  
Science Department

For Queries/ Submission of Poster  
Contact : Purvi Vaishnav  
8766098677.  
Varada Raisaldar  
7559382989.

## Wild life Week: 2<sup>nd</sup> - 8<sup>th</sup> October, 2022

### 1. Quiz on “Forests and Livelihood”

National Wildlife Week is annually celebrated across India between 2<sup>nd</sup> to 8<sup>th</sup> October with an aim to protect and preserve the flora and fauna of India. And with the same motive our department of Environmental Science conducted wildlife week under the Theme “Forests and Livelihoods: Sustaining People and Planet”. Members of Environmental Science Society has organized Quiz Competition on the occasion of Wildlife week amongst the students of B.Sc.

The Quiz Competition was judged by Faculty Ms. Sukhada Nagpure. Winners of Quiz Competition was awarded certificates from our Head of Department.

### Wildlife Week: 2<sup>nd</sup> – 8<sup>th</sup> October, 2022



## 2. Visit to Shaila Plastic Recycling Unit, Nagpur

A visit to Shaila plastic recycling unit at Plot No. 73/A, Utkarsh Gruha Nirman Sahakari Sanstha, Opp Maruti Automotive, Kamptee Road, Dist.-Nagpur were organized by the Environmental Department on October 17, 2023. During this visit, we meet resource person of industry who works in plastic recycling unit. He gave some important information about their particular work such as collection of plastic, segregation, processing on plastic. He also told the working of various machines installed for recycling of plastic. M.Sc. 2<sup>nd</sup> year student visited the Plastic Recycling Unit situated at Kamptee named Shaila Plastic on 17<sup>th</sup> October, 2022.

The visit was organized by Ms. Shilpa Bhajani and Dr. Shubhangi Jangle. We were total 9 students. The aim of the visit is to understand and enhance the knowledge of plastic recycle. This recycling unit has two plant one is located opposite to Sharda company in Kamptee and another one is located to Uppalwadi around 2 km form the first plant. Firstly, visited the first plant at Shaila Plastic and second unit was a pipe manufacturing unit named Indian Plastic.

Visit to Shaila Plastic Recycling Unit, Nagpur





### **3. Visit to Gorewada Park, Nagpur**

The visit was arranged to Gorewada Park. Mr. Aniruddha Chaoji (Ran Mangli foundation) and Mr. Pandurang Pakhale (retired Assistant Conservator of forest, Nagpur) and Mr. Shubham Chaphekar (Biologist at Gorewada) guided us for the visit. Shivani Deshmukh and Praneti Lawange were present for the visit. 28 students out of 32 were present.

The visit started at 7am and concluded at 10am. The students gained knowledge about different species of trees such as Sag, Sapta Parni, and few shrubs etc. Many insects were spotted such as Spittlebug, caterpillar of moths, 5 species of butterflies, wasp, etc. Around 20 species of birds were also seen like Spotted Dove, Purple-rumped Sunbird, Golden Oriole, Cormorant, Wire-tailed Swallow, and many more. We also studied fresh dropping of Nilgai. Aniruddha Sir also imitated the calls of a few birds so that students get interested in seeing birds and gain knowledge about the same. Pakhale sir guided the students on careers in wildlife conservation and management.

The syllabus for B.Sc. 1, Semester 1 has two visits namely

1. Visit to water body to study Pond as an ecosystem.
2. Visit to Nearby Forest to study the flora and fauna in its Natural Environment.

Mrs. Praneti Lawange gave information about the history of Gorewada Lake and stratification of Lake Ecosystem. The visit was concluded at 10:30 am.



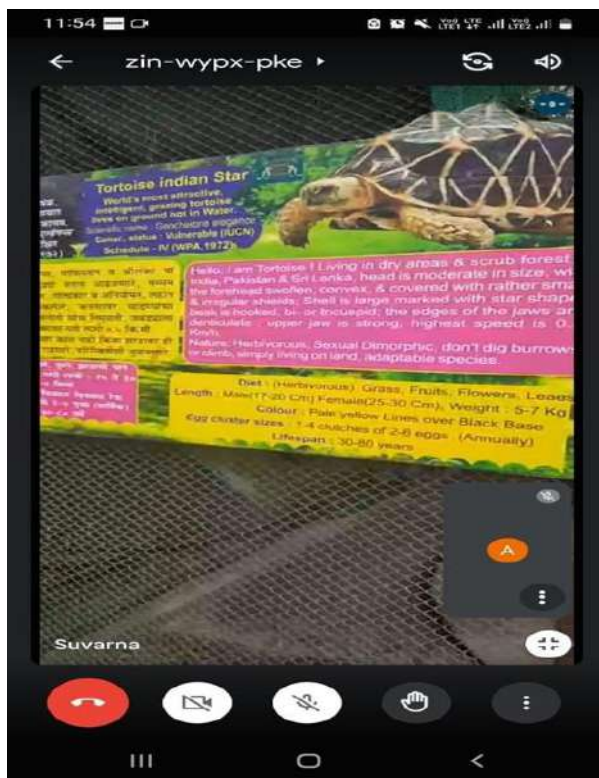
**Visit to Gorewada Park**

## 4. Celebration of Wild life Week

3<sup>rd</sup> March is World Wildlife Day. It is a United Nations International day to celebrate all the world's wild animals and plants and the contribution that they make to our lives and the health of the planet. This date was chosen as it is the birthday of CITES, the Convention on International Trade in Endangered Species of Wild Fauna and Flora, signed in 1973. This World Wildlife Day is also a celebration of CITES as it turns 50.

On this Occasion faculty of our department Dr. Anagha Patil organized an Online Lecture and presentation on topic Biodiversity along with online zoo visit by Ms. Suvarna Kawle In-charge of Maharajbagh zoo.

### Celebration of Wildlife week



## 5. Visit to Balasaheb Thakre Gorewada Zoological Park

On 3<sup>rd</sup> March 2023, On the occasion of WORLD WILDLIFE DAY the Department of Environmental Science, with due permission from our head and his motivation Dr. Mohammad Idrees M. Siddiqui under the guidance of faculty teachers Ms. Yashi Sharma and Sukhada Nagpure along with M.Sc. 1st year students visited BALASAHEB THAKRE GOREWADA ZOOLOGICAL PARK. We reached the destination at 8:00 am and explored the premises before the safari started at 8:30 am, the bus provided by the faculty of zoological park. As the safari started the bus was disinfected. Then the bus moved head for the safari of following animals –

- Leopard safari
- Sloth bear safari
- The herbivores
- The Tiger safari

The safari ended at nearly at 9.40 am. The bus dropped us at final point and then students marked the visit with group pictures at zoo.



## 6. Celebration of World Sparrow Day

Every year on 20<sup>th</sup> March, people celebrate **World Sparrow Day**. It is designated to raise awareness about sparrow conservation and protection, as their numbers are declining globally. The first commemoration of the day occurred in 2010. The goal of the day is to educate people about the value of [sparrows](#) in the ecosystem, their role in pollination, and their importance in pest control. Sparrows are known to be an indicator of a region's environmental health, and their decreasing numbers are cause for concern. World Sparrow Day is observed in a variety of ways around the world, including bird-watching, building birdhouses, and educational program.

Faculty of our Department Dr. Anagha Patil Mam has given an Online Presentation regarding the Sparrows on 20<sup>th</sup> March. She has provided us immense knowledge about the Sparrows.



## 7. Visit to Regional Meteorological Centre, Nagpur

Visit to Regional Meteorological Centre, Nagpur was organized by Department of Environmental Science on 23<sup>rd</sup> March 2023. The Theme of the World Meteorological Day 2022 was ‘Early warning and early action’ which focuses on intense weather patterns due to climate change. In that visit they explain us about the instruments and devices which are used to measure weather phenomena like Rain Gauge, Anemometer, Hygrometer, Evaporimeter. These devices collect data from weather event some distance from the instrument and typically stores the data and often transmit the data at defined interval to central data center.

Entire B.Sc.1<sup>st</sup> year along with MSc 2nd year students of Environmental Science department were present in the visit. And it was guided by our faculty Dr. Anagha Patil. We also seen the “Radiosonde” weather balloon.



## 8. Celebrating 50 years of Project Tiger

On 1<sup>st</sup> April 2023 Project Tiger has completed its 50 years of implementation. Project Tiger is a [tiger conservation](#) program launched on 1<sup>st</sup> April,1973 by the [Government of India](#) during [Prime Minister Indira Gandhi's](#) tenure. The project aims at ensuring a viable population of the [Bengal tiger](#) in its natural habitats, protecting it from extinction, and preserving areas of biological importance as a natural heritage that represent the diversity of [ecosystems](#) across the tiger's range in the country.

Faculty Ms. Sukhada Nagpure, Ms. Yashi Sharma and Ms. Tanushree Mendhe has organized Poster Competition on completing 50 years of Project Tiger on 1<sup>st</sup> April 2023 amongst Students of B.Sc. Second year and M.Sc. First year and Second Year.

### Celebrating 50 years of PROJECT TIGER



## 9. Visit to CSIR - NEERI, Nagpur

On 11<sup>th</sup> April 2023 Students of B.Sc. final and M.Sc. First and Second year visited CSIR NEERI, Nagpur for celebration of ONE WEEK ONE LAB. A talk was given by Dr. George from Air and Pollution department of NEERI. They briefed us on composition of atmosphere and layers of atmosphere, its interaction with matter. The topic continued further with discussion on air pollution and its causes and impacts on environment. A simultaneous quiz competition was organized, students of our department had showed great enthusiasm in quiz competition. It was a good interactive session for students.



## 10. Visit to Vasudhara Dairy (AMUL), Hingna

The production of milk on dairy farms and the processing of milk and milk products at dairy plants make up the dairy industry. Along with producing many kinds of milk, the industry makes butter, cheese, yogurt, and ice cream. Amul Milk Union Limited is an Indian state government-owned dairy-based cooperative society officially named the Gujarat Milk Marketing Federation based in Anand, Gujarat. It is under the ownership of Gujarat Cooperative Milk Marketing Federation Limited, Department of Cooperation, and Government of Gujarat. Amul Milk has its franchise in Nagpur named as Vasudhara Dairy, Hingna.

Students of B.Sc. Final and M.Sc. First and Second Year along with Faculties Ms. Yashi Sharma and Ms. Tanushree Mendhe Visited Vasudhara Dairy on 15<sup>th</sup> of April 2023.

Visit to Vasudhara Dairy (AMUL), Hingna





## 11. Visit to Pench Tiger Reserve

On 18<sup>th</sup> of April 2023 students of B.Sc. First year semester II went to Pench Tiger Reserve for visit. The students started at 10 am from Institute of Science and reached Sillari Gate Pench Tiger Reserve. They visited the interpretation centre and were shown documentary related to the biodiversity, developmental activities, restoration of Pench National Park. The students also gained knowledge about the Village Eco-development Committee. We took the evening safari in the park and we were guided by the forest guides. They showed us many plant species like Ghost tree, tendu, Palas, crocodile bark tree, Charoli, etc. We saw many mammals like Indian Gaur, Spotted deer, Sambar, Wild boar, Jackal, etc. We saw Indian Marsh Crocodile and around 50 species of birds. We got a very good sighting of Grey headed Fish Eagle hunting fish and later Serpent Eagle snatching it away from it. We also saw 20 species of butterflies.

Post safari discussions were done about the sightings and the students gained practical experience and knowledge about the forest and protected area. The visit was concluded at 9 pm. 19 students and 1 staff were present for the visit.




## 12. Celebrating World Earth Day

On 22<sup>nd</sup> of April **Earth Day** is celebrated all over World. Earth Day is an annual event on April 22 to demonstrate support for [environmental protection](#). First held on April 22, 1970, it now includes a wide range of events coordinated globally by EARTHDAY ORG (formerly Earth Day Network) including 1 billion people in more than 193 countries.

The official theme for 2023 is “Invest in Our Planet”. Environmental Science Society has organized Quiz Competition and a short film on “Earth” amongst the students of B.Sc. and M.Sc. along with Faculties and Head of Department Dr. Idrees Sir.

**Celebrating World Earth Day**



**INSTITUTE OF SCIENCE, NAGPUR**  
Department of Environmental Science


Environmental society is organizing an event on

**EARTH DAY - 2023**  
“Invest in our Planet”

Activities:

1. Quiz on google form  
(link will be provided on the spot)
2. Short film on “EARTH”

Venue: Env. Sci. Dept.  
Date: 21.04.2023  
Time: 10 AM to 12 PM



**Dr. Mohammad Idrees**  
**Head**  
**Department of Environmental Science**



**INSTITUTE OF SCIENCE, NAGPUR**  
(An Autonomous Institute of Government of Maharashtra)  
Civil Lines, R. T. Road, Nagpur 440001  
NAAC Accredited "A" Grade

**ANNUAL REPORT**  
**OF**  
**WOMEN DEVELOPMENT CELL (WDC)**  
**2022-23**



**Report Submitted by**  
**Dr. Naqui Jahan Siddiqui**  
**In-Charge**

**Women's Development Cell: Staff Members**

1. Dr. Naqui Jahan Siddiqui : Department of Chemistry
2. Dr. Sushama U. Borkar : Department of Botany
3. Dr. Seema Bodkhe : Department of Botany

## Women's Development Cell, Institute of Science, Nagpur



### **Committee Members : WDC-2022-2023**

<b>Sr. No.</b>	<b>Name of the Member</b>	<b>Post</b>	<b>Department / Class</b>
<b>Staff</b>			
<b>1.</b>	<b>Dr. Naqui J. Siddiqui</b>	<b>In-Charge</b>	<b>Chemistry</b>
<b>2.</b>	Dr. Sushama Borkar	Member	Botany
<b>3.</b>	Dr. Seema Bodkhe	Member	Botany
<b>Students</b>			
<b>1.</b>	<b>Ms. Monali Batki</b>	<b>President</b>	<b>M.Sc.I(Chemistry)</b>
<b>2.</b>	Ms. Aastha Baiswar	Vice-President	B.Sc. III (CBZ)
<b>3.</b>	<b>Ms. Sakshi Shrikhande</b>	<b>Secretary</b>	<b>M.Sc.I (Botany)</b>
<b>4.</b>	Ms. Ishika Warwade	Joint- Secretary	B.Sc. III (CZEn)
<b>5.</b>	<b>Mr. Tejas Dharmale</b>	<b>Coordinator</b>	<b>M.Sc. II(Botany)</b>
<b>6.</b>	Ms. Hitakshi Pandya	Co-coordinator	B.Sc. III (CZEn)
<b>7.</b>	<b>Ms. Jahnvi Sinha</b>	<b>Treasurer</b>	<b>B.Sc. III (PCM)</b>
<b>8.</b>	<b>Mr. Sushant Rathod</b>	<b>Member</b>	<b>M.Sc.I(Chemistry)</b>
<b>9.</b>	Ms. Neda Hasan	Member	<b>B.Sc. III (CBZ)</b>
<b>10.</b>	Ms. Kirti Kulmeti	Member	<b>B.Sc. III (CBZ)</b>
<b>11.</b>	Ms. Anjali Chaudhari	Member	<b>B.Sc. II (CBZ)</b>
<b>12.</b>	Ms. Bhuvaneshwari Chaudhari	Member	<b>B.Sc. II (CBZ)</b>
<b>13.</b>	Ms. Aakansha Tiwari	Member	<b>B.Sc. II (CBZ)</b>
<b>14.</b>	Ms. Shreya Hole	Member	<b>B.Sc. II (CBZ)</b>
<b>15.</b>	Ms. Anagha Tambe	Member	<b>B.Sc. I (CBZ)</b>
<b>16.</b>	Ms. Chetana Ramteke	Member	<b>B.Sc. I (CBZ)</b>

## **Introduction:**

Women empowerment and gender equality are the most important requirements for the upliftment and progress of our nation. In our effort to make Institute of Science, Nagpur a kernel of gender sensitization, Women's Development Cell (WDC) was established with certain objectives. The cell has both the faculty and students (including girls and boys) of the institute as its members and works to stress upon the development of women in every sphere.

### **Objectives of formation of Women's Development Cell**

1. To promote general wellbeing of female students teaching and non-teaching women staff of the college.
2. The cell is also responsible to undertake the awareness programmes on gender sensitization, women rights and women empowerment in university campuses and colleges.
3. To create and develop a congenial environment for women employees (including teaching, support staff, and contractual as well as daily wages employees) and students (rural, urban, specially-abled, underprivileged, marginalized), allowing them to reach their full potential.
4. To sensitize the students towards the special needs of all genders.
5. To develop equitable opportunities for the educational avenues for women.
6. To build a gender sensitive and inclusive campus.
7. To address concerns of gender discrimination and recommend measures and policies for gender parity.
8. To undertake surveys or action research projects, if necessary, pertaining to women (rural, urban, specially-abled, underprivileged, marginalised) in the society.
9. WDC will continue to strive in creating equitable opportunities to empower women to attain their full potential, enriching organizational and social life in the process which has mutual benefits to the genders and society.
10. The Cell has both the faculty and students of the College as its members and works with an aim to create a gender sensitized community within campus as well as in the society.
11. It has to organize varied academic, technical, medical, cultural and social events for the upliftment of women and spread the real importance of gender equality in the society through College students.

## Under the Banner of WDC following Programs were Organized by the Committee

**Session: 2022-23**

### Inaugural Ceremony of Women Development Cell – 23<sup>rd</sup> Sept. 2022

The formal inauguration of Women Development Cell for the session 2022-23 and one day workshop was organized on 23<sup>rd</sup> September 2022 by Dr. Madhuri Gawande (Gynecologist, Nagpur).

Inauguration ceremony started with the lightening of lamp by the chief guest and Director, Institute of Science, Nagpur Dr. Anjali Rahatgaonkar which marked the official commencement of Women Development Cell 2022-23 after the chief guest revealed the names of committee members. The introductory remark was presented by the program in-charge Dr. Naqui Jahan Siddiqui followed by the annual report 2021-22 read by Ms. Jahnavi Sinha.

To move towards progress it is very important for the head of the institution to interact with the roots of the organization and appreciate them with encouraging words for their hard work. Director of Institute of Science, Dr. Anjali Rahatgaonkar in her presidential address encouraged the students for their efforts to organize the program, appreciated their enthusiasm to work in the committee and guided them for the further activities. The inauguration was followed by a formal vote of thanks by Ms. Monali Batki. She thanked the Chief Guest, staff and members of WDC to spare their precious time and guide the students from their knowledge and experience. Near about hundred students and staff members attended in the program.





Latitude: 21.146962  
Longitude: 79.075188  
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Accuracy: 3.8m  
Time: 23-09-2022 11:55



Latitude: 21.146975  
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Elevation: 311.39m  
Accuracy: 3.8m  
Time: 23-09-2022 12:08



## **One Day Workshop - 23<sup>rd</sup> September, 2022**

**On**

### **"Health Safety and Personality Development of Women"**

#### **1. Lecture on "Awareness about Cervical Cancer in Women" by Dr. Madhuri Gawande (Gynecologist)**

One day workshop on "Health Safety and Personality Development of Women" started with the first Lecture of the workshop on "Awareness about Cervical Cancer in Women" by Dr. Madhuri Gawande, a leading and popular Obstetrics and Gynecologist in Nagpur having over twenty years of experience. In her power point presentation she highlighted the reasons and causes of cervical cancer, malign tumor of the cervix the lower most part of the uterus. She enlightened the students with the term PAP test for pre cancer cell changes on the cervix that might become cervical cancer if are not treated appropriately. She focused that most cervical cancers are associated with human Papilloma virus (HPV), a sexually transmitted infection therefore widespread immunization with the HPV vaccine could reduce the impact of cervical cancer and other cancers caused by HPV worldwide. She also informed about the HPV vaccination and recommended girls to go for it at the age of 11–12 years of age or even from 9 years of age as well. All preteens need HPV vaccination, so they are protected from HPV infections that can cause cancer later in life. Teens and young adults through age 26 years can also go for the HPV vaccination.

**Dr. Madhuri Gawande during her Presentation  
on  
"Awareness about Cervical Cancer in Women"**







Time: 23-09-2022 12:26  
Note: 1



## 2. Lecture on "Self Defence of Women" by Mrs. Vijaya Wanjari (API)

The day continued with the Second Lecture on "Self Defence of Women" by Mrs. Vijaya Wanjari, API, Sitabuldi Police Station, Nagpur. This was a one to one interactive session as they guided the students on how to report if they suffer from any type of crime against them including cybercrime and how they can overcome them by giving many tips of self defence with examples. Her lecture showed that self defence is not all about preparing ourselves to counter physical abuse but also how to protect ourselves from the entire cyber and technology screen we are surrounded with. It emphasized "Har Screen can be a Crime Screen".

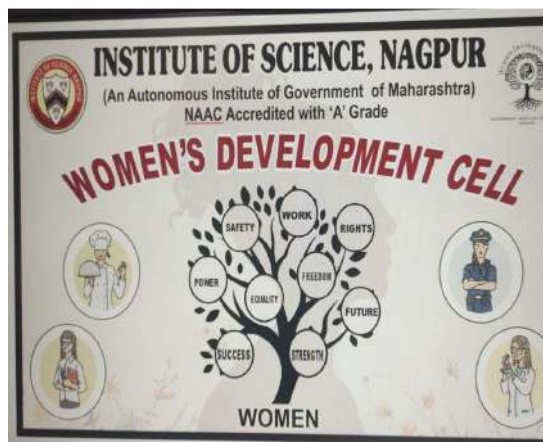
### Felicitation of Mrs. Vijaya Wanjari, API and her talk on Self defence of Women



### 3. Lecture on “Skill Set for Future” by Ms. Swaima Ahmed

The workshop ended with a phenomenal third lecture on "Skill Set for Future" by Ms. Swaima Ahmed, a TEDEX speaker and Founder, Director of Finesse Academy & Trainings and Co-Founder of Footprints Events Pvt. Ltd. She emphasized students about the significance of communication skills, social skills, leadership skills and programmatic approach. In today's creative world soft skills are too important along with hard skills. She said that communication skills when applied properly can help to propel your career in any direction you want. Effective communication in compasses Speaking clearly, actively listening, observation and writing.

#### Ms. Swaima Ahmed : talk on “ Skill Set for Future”



WDC-2022-23 Committee Members

## Guest Lecture on “Empowerment of Women” by Dr. Prabodh Yelne

10<sup>th</sup> February, 2023

Women Development Cell in collaboration with National Service Scheme of Institute of Science, Nagpur had organized a lecture for empowering women and promoting gender equality through the rural areas during its Special camp “NISARGVEDH” on 10<sup>th</sup> February, 2023 with the aim to guide and motivate the ladies of the village Wakeshwar, Dongargaon, Nagpur and girl students of this institute. The program was organized in Rabrindranath Tagore College of Arts, Science and Commerce, Dongargaon. The chief guest for this event was **Dr. Prabodh Yelne**. The distinguished chief guest was welcomed by Dr. Sujata Deo, the HOD of chemistry department. This warm welcome was graced by the presence of Dr. Naqui Siddiqui, WDC teacher in-charge, Dr. Yemul, the NSS programme officer, Dr. Seema Bodhke, WDC and NSS teacher in-charge and Dr. Nandagavli, the NSS teacher in-charge.

The primary objectives of the WDC and NSS collaboration are to promote gender equality, to create awareness about women's issues, to provide a safe and supportive environment for women, and to encourage their active participation in all aspects of society. The programs were conducted in the form of workshops, seminars, and lectures, which were well-attended and received positive feedback from the participants.

### Dr. Prabodh Yelne Guiding the Girls and Ladies of the Village, Dongargaon, Nagpur





This event was an interactive session, beginning from the motivational words of Dr. Prabodh Yelne to its enthusiastic come back from the audience. The listeners comprised not just of the students but also the Dongargaon village's women and children. The speaker encouraged us to question things and to discover reasons for those queries. Dr. Yelne narrated a fraction of stories from his personal life and how he chose to follow his intuition and overcame the hurdles of life, like arrogance which is a possible factor for the downfall of a being. Him using a correlation between Indian mythology and real life, made his words interesting to hear and easy to grasp. He left an indelible mark on the minds of us all. The occasion was anchored and ended with a vote of thanks by Ms. Monali Batki, the president of WDC followed by a round of applause from everyone present at the moment.

## Celebration of International Women's Day: 2023 -10<sup>th</sup> March, 2023

### 1. Guest Lecture on "Laws against Domestic Violence"&" Mental health of Women " by Mrs. Priya Zoting, Advocate, Nagpur


No relation is complete without women in this world. She plays the role of a "loving mom "..a "caring sister" an " understanding wife" and a "lovable daughter" .You have everything in you and that's the reason why the world is celebrating you. Women's development cell never steps back to organise something which can provide new set of information to the students of Institute of Science . On the occasion of Women's Day-2023 WDC organized a lecture by the Chief Guest **Mrs. Priya Zoting** on "**Laws against Domestic Violence"&" Mental health of Women"**. Event started with lightning of lamp by our chief guest. She was felicitated by Dr.C.M. Dudhe, President of the program. Mr. Sushant Rathod, Coordinator of WDC explained the theme of International Women's Day-2023 "**Innovation and Technology on Gender Equality**". Mr. Tejas Dharmale introduced Mrs. Priya Zoting and the program was anchored by Ms. Monali Batki.

She started her lecture with why there was the need to make Domestic Violence Act which came in action after 2005. It was an interactive session. She emphasized both on mental and emotional health. She focused on things which give the students comfort, distraction from the outer world to calm their mind and heart. Before concluding she answered many questions from the audience and thus ended her remarkable session.

Felicitations of the Chief Guest Mrs. Priya Zoting and her talk on "Laws against Domestic Violence and Mental Health of Women"






**INSTITUTE OF SCIENCE, NAGPUR**  
 An Autonomous Institute of Government of Maharashtra  
 NAAC Accredited with 'A' Grade

**Women's Development Cell**  
 Celebrates  
**INTERNATIONAL WOMEN'S DAY**  
 Chief Guest: Mrs. Priya Zoting  
LL.B.M.A, M.B., D.S.C., PGD.C.C.  
 Lecture on  
 "Laws against Domestic Violence"  
 & "Mental Health of Woman"  
 Workshop On  
 "Self Defence"  
**ALSO ORGANISING**  
**Poster Competition      Poetry Competition**  
 Topic for both Competitions  
 Gender Equality  
**Date: 10th March    Time: 2 pm**  
 Venue : Room no. 45  
**Dr. Anjali M. Rahatgaonkar**  
 Director, Institute of Science, Nagpur.

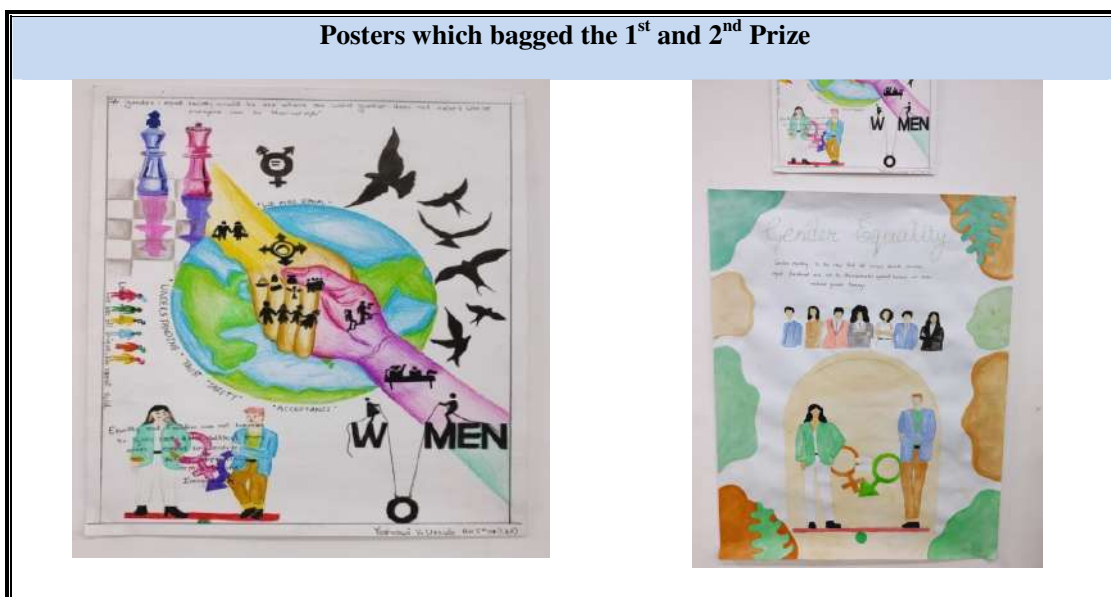
Dr. Naqui J. Siddiqui  
WDC Incharge
Dr. Sushama Borkar  
Dr. Seema Bodhke  
WDC Members
Ms. Monali Batki  
WDC President



## 2. Poster and Poetry Competition for Students – 10<sup>th</sup> March, 2023

On the occasion of International Women's Day, WDC had organized **Poster and Poetry Competition** for the students on the topic "**Gender Equality**" inspired by the theme of International Women's Day 2023 "Innovation and technology on gender equality". The winners of these two were appreciated and rewarded by our guest of honor.

Among all the participants the **Ms. Aditi Thaware**, bagged the 1<sup>st</sup> prize in poetry competition. Her poem has described the imagination and dreams woven by a pregnant woman that how her daughter will be loved, cared, nourished by her grandmother, grandfather and the lovely bond she will share with each person. **Mr. Abhay Kayarkar** won the 2<sup>nd</sup> Prize. He, through his words actually justified the topic that was gender equality by including the feelings of a transgender, an important part of our society. Poster displays no. of thoughts which can be difficult to describe in words. One can't describe what a person holds in his mind until he/she expresses their thoughts. Among all the artists of IOS, 1<sup>st</sup> prize was given to **Ms. Yashahwi Urkude** and 2<sup>nd</sup> prize to **Ms. Akshika Bagde**.



With this program the committee of WDC 2022-23 was dissolved, but all the members will always be there to help and guide the future team to vocalize the issues and thoughts of women's of IOS.

**Dr. Naqui Jahan Siddiqui**  
**In-charge**  
**WDC - 2022-23**





**INSTITUTE OF SCIENCE  
NAGPUR**

**NATIONAL SERVICE SCHEME**

**ANNUAL REPORT**  
**2022-23**

**Dr. Nagesh B. Yemul**  
Program Officer

**Dr. Seema Bodhke**  
Program Officer

**Dr. D. Nandagawali**  
Program Officer

The NSS unit of Institute of Science, Nagpur conducted various activities in the academic year 2021-22. Details of these activities are as follows –

## **1. ENROLLMENT DRIVE AND ORIENTATION**

The academic year 2021-22 began with the introduction of the National Service Scheme to the new students of B.Sc. I by the previous year NSS committee. Subsequently, online registrations had begun and this year there was an overwhelming response for registration, far above the sanctioned strength for the unit.

Official orientation program for the newly registered NSS Volunteers will be scheduled after commencement of offline college.

**INSTITUTE OF SCIENCE, NAGPUR  
NATIONAL SERVICE SCHEME (NSS)  
COMMITTEE FOR 2022-23**

**UNIT LEADER**

- Pruthvi Raut Deekshant Bhailot

**JOINT UNIT LEADER**

- Aradhana Shrivastava Gautam Ghonmode

**SECRETARY**

- Kirti Kulmeti Shahil Yadav

**JOINT SECRETARY**

- Vandita Khambadkar Sarvesh Kant

**TREASURER**

- Sarvagya Mishra

**SOCIAL MEDIA AWARENESS**

- Anuj Tiwari Vaibhav Raut

**SKIT**

- Priya Sharma Shruti Bodhankar

**TREE PLANTATION – BIRTHDAY PLANT INITIATIVE**

- Sakshi Narnaware Abhishek Singh
- Dharita Joshi Abhay Kayarkar

**ORGANIC FARMING**

- Krishna Patel Bhushana Sathwane
- Mandar Kadwe Shrushti Bhoyar

**CATERING**

- Rahul Kurrewar
- Omkar Duragkar

### **DOCUMENTATION INCHARGE**

- Himanshi Natiye
- Dhawal Joshi

### **DISCIPLINE**

- Harshada Nagpure
- Aakriti Sonkusare
- Mrunmayi Kashikar
- Ayush Tagde
- Vicky Meshram
- Bhupesh Saryam
- Abhay Dhurve
- Abhishek Bodhe
- Keshav Sant

### **INNOVATIVE PRACTICE – (ECO BRICKS and More)**

- |                |                  |
|----------------|------------------|
| • Sakshi Raut  | Kanishka Chabra  |
| • Vivek Jadhav | Shreya Shembekar |

### **CLEANLINESS INCHARGE**

- Janhvi Narule
- Samyak Chawre
- Saumya Bhoyar
- Komal Yadav

### **PUBLICITY INCHARGE**

- Purvesh Dehankar
- Shaily Shambharkar

## **NIRMAN GUIDANCE**

**Date : 4<sup>th</sup> August 2022**

**Time : 3:30 PM**

**Place : Room No. 45 Auditorium, Institute of Science, Nagpur**

The Program on Nirman Youth for Purposeful Life was Organised by the NSS Unit of the Institute of Science on 4<sup>th</sup> August 2022 with the aim of guiding the students in choosing Career tracks that they intended career choices towards becoming productive and contributing individuals.

Mr. Amrut Bang-Founder of Nirman provides guidance, expertise, and an environment to inculcate self-learning and encourages youth for social activities. He explained the sea opportunities in the outer world and marked that Volunteers should choose subjects and areas in which they are genuinely interested and only then they are able to succeed and make a name for themselves.

Dr. Anjali Rahatgaonkar - Director of the Institute Of Science, and Dr. Nagesh Yemul- NSS Program Officer were present.





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Note: 1



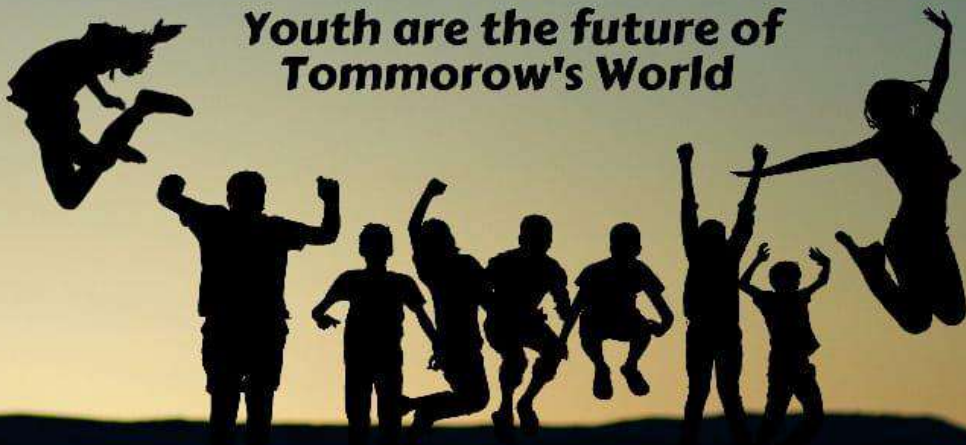
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Note: 1

**NSS Unit of Institute of Science  
Organises**

**NIRMAN YOUTH FOR  
PURPOSEFUL LIFE**

**By -Mr.Amrut Bang Sir  
Founder of Nirman**

***Youth are the future of  
Tommorow's World***



**August 4, 2022**

Timing :- 3:30 pm

**PLACE : ROOM NO.45 - AUDITORIUM,  
INSTITUTE OF SCIENCE**



# COVID-19 VACCINATION DRIVE

**Date: 10<sup>th</sup> August 2022**

**Place: New Library, Institute of Science, Nagpur**

The covid-19 Vaccination Drive was organized by the NSS unit of the Institute of Science, Nagpur in association with the Nagpur Municipal Corporation on 10<sup>th</sup> August 2022 from 11:00 am to 2:00 pm at new library in college campus Vaccination drive was done successful by providing Covishield, Covaxin, and Booster dose vaccine.

The Drive was inaugurated by Dr. Anjali Rahatgaonkar Director Institute of Science, Dr. Nagesh Yemul (NSS Program Officer).

In this drive, more than 150 people including the director of the Institute of Science, students, teaching staff, non-teaching staff, parents, and others were vaccinated.

Understanding the importance of the situation and taking precautionary measures — the drive was organized. Many people benefitted from this, and the NSS Unit successfully proved its motive.





SITA ON.I Nagpur, Maharashtra, India



Nagpur, Maharashtra, India





**NSS Unit Of  
Institute of Science  
Organizes**



**Booster Vaccination Drive**

**Date - 10th August 2022**

**Time - 11 AM to 1 PM**

**Place - New Library, Institute Of Science.**

**TIME TO  
VACCINATE**

**STOP COVID-19**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed  
 diam nonummy nibh euismod tincidunt.

**The Unit will be pleased by your response.**

## **MORNING RALLY (PRABHAT PHERI)**

**Date:** 13<sup>th</sup> August 2022

**Time:** 7:30 AM

**Place:** Institute of Science, Nagpur

The Tiranga Rally was organized by the National Service Scheme Unit of the Institute of Science, Nagpur on the occasion of Independence Day on 13<sup>th</sup> August 2022 as a part of the Har Ghar Tiranga campaign under Azadi Ka Amrit Mahotsav to encourage Volunteers to hoist the National Flag at their homes to mark the Completion of 75<sup>th</sup> Years of Independence.

The purpose of this rally was to spread the message of Love, Emotions, Sacrifice, and a complete aspect of Unity in the Diversity of India, And request the residents to display the tri-color atop their houses from August 13 to August 15.

The Volunteers first assembled on the institute campus in the morning. The event started with Flag Hoisting at 7:30 am. Dr. Anjali Rahatgaonkar - Director Institute of Science Inaugurated and Flagged off the Rally at 8:00 am. Prof. Madhavi Mardikar-Student Welfare Dean and HOD. Phy. Edu, Dr.Nagesh Yemul - NSS Program Officer, NSS Program Officer were Present.

The Volunteers marched out in a perfect formation carrying Posters, Flags, and Banners. The leading Volunteer shouted slogans and the rest repeated after them in unison. The Rally covered almost the nearby surrounding and a distance of 5km. All the Volunteers and Teachers took an active part in rally with great enthusiasm.



75  
Azadi Ka  
Amrit Mahotsav



**INSTITUTE OF SCIENCE**  
ORGANIZES

**Flag Hoisting**   
**Morning Rally (Prabhat Pheri)**

**Date-13th August 2022**

**Time-7:30AM**

**Venue - Institute Of Science, Nagpur**

**Awaiting your Presence !**

[Tiranga Rally - Har Ghar Tiranga](#)







## CLEANLINESS DRIVE

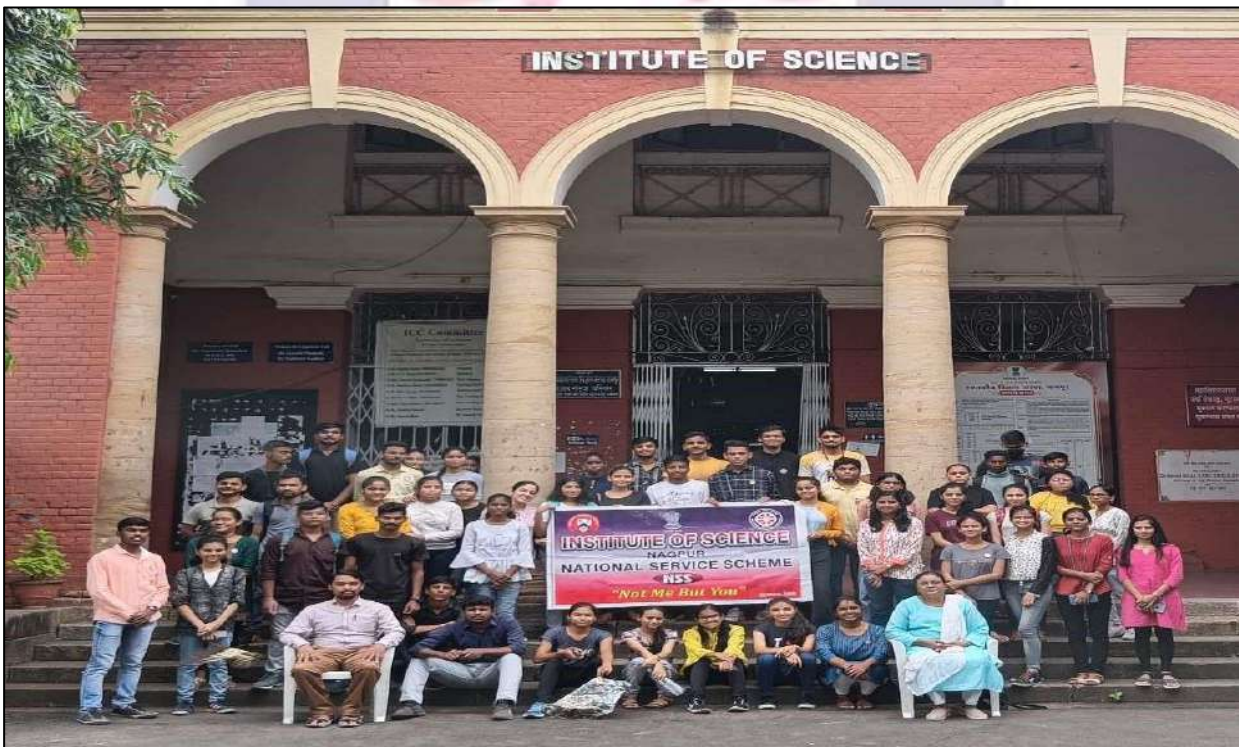
**Date** : 24<sup>TH</sup> September

**Place** : Institute of Science, Nagpur

On National Service Scheme Day 2022, the national service scheme unit of the Institute of Science, Nagpur organized the Cleanliness drive. The motive of this drive was to maintain the cleanliness of our surroundings.

The drive was inaugurated by Dr. Anjali Rahtgoakar Director Institute of Science, Nagpur. The national service scheme program officer Dr. Nagesh Yemul sir gave the information about the importance of cleanliness.

National Service Scheme volunteer cleaned our college campus. Collected all the waste materials, and gave proper look to the garden area Of the Institute of Science. Clean the roads of college.









## RAKSHABANDHAN PROGRAM

**Date** : 12<sup>th</sup> August 2022

**Place** : Sitaburdi Police Station

Rakshabandhan program was organized by the National Service Scheme unit of Institute of Science, Nagpur in association with the Sitaburdi Police Station on 12<sup>th</sup> August 2022 from 2:30pm to 4:00pm. at Sitaburdi Police Station.

The National Service Scheme volunteers of Institute of Science celebrated rakshabandhan festival with the policemen. Who work for us day and night. Who can't able to celebrate festivals with our family.

They program was successfully done in presence of Dr. Nagesh Yemul and the unit successfully managed to prove its motive.







**CELEBRATING**



**75**  
Azadi Ka  
Amrit Mahotsav

**NSS UNIT OF INSTITUTE OF SCIENCE**

*CELEBRATES*

**RAKSHABANDHAN**

AT SITABURDI POLICE STATION, NAGPUR

DATE-12TH AUGUST 2022

TIME-3:00PM

PLACE-SITABURDI POLICE STATION, NAGPUR

## PLANTATION DRIVE

**Date** : 15<sup>th</sup> August 2022

**Time** : 8:30 AM

**Place** : Institute of Science, Nagpur

A very auspicious Tree Plantation Drive was organised by AASCON and the National Service Scheme Unit of Institute of Science, Nagpur on the occasion of Independence Day 15<sup>th</sup> August 2022 under Azadi Ka Amrit Mahotsav with the motive to create an awareness regarding climate change and its adverse effect on the Volunteers. This was a great initiative to make an environment neat and clean. By Tree Plantation, Volunteers can develop a Climax Ecosystem free of Greenhouse Gases to reduce Global Warming.

The Program was started with Flag Hoisting at 8:00am. Dr. Anjali Rahatgaonkar-Director Institute of Science started the drive at 8:30am by Planting the first sapling with her hand. Dignitaries of AASCON Dr. Mukadam, President of AASCON Professor A. A. Saoji, Treasurer of AASCON Mr. Ghule, Member Secretary Dr. Kamlesh Alti and other staff members planted variety of medicinal plants. About 100 seedlings were planted by the Volunteers. The Unit tried its best to mark the Drive successful. The main Purpose of this Drive was to enhance Awareness about the Importance of Tree Plantation.

The Program Officer Dr. Nagesh Yemul and Dr. Seema Bodake successfully guided the students for this campaign. They also taught the importance of Planting and Conserving Trees by collaborating ill-effects Degradation everywhere in the world and Global Warming. Prof. P. S. Jakhi-Head Of Botany Department provided the necessary resources for the drive. The volunteers also layered awareness wherever possible and moving forward in bringing the change in Nature



## Plantation Drive-Moving Towards A Better And Greener World









**CELEBRATING**



**75**  
Azadi Ka  
Amrit Mahotsav

**ON THE OCCASION OF  
INDEPENDENCE DAY**

**NSS UNIT OF INSTITUTE OF SCIENCE  
ORGANIZES**

**PLANTATION DRIVE**

**DATE - 15th August 2022**

**TIME - 8:30 AM**

**VENUE - Institute Of Science, Nagpur**



## GANPATI VISARJAN

**Date :** 9th September 2022

**Place :** Nagpur

On the day of Ganpati visarjan, all the volunteers of NSS worked together with enthusiasm and sense of devotion. The day was an auspicious one as we all bid farewell to lord Ganesh who blessed us. All the people of the community, said a final to the idol of lord Ganesh with a fanfare. This festival symbolizes national unity and integrity. All the volunteers managed the things with responsibility, team work and reliability.

There was a feeling of fidelity in every person present there irrespective of their caste and creed. From children to senior citizens, everyone performed rituals with contentment and positivity. They even distributed sweets and prayed for wisdom, good fortune and prosperity.



## DONATION DRIVE

**Date** : 9<sup>th</sup> September 2002

**Place** : Nagpur

The volunteers of NSS visited less privileged children who live on the streets. And to their surprise they came to know that the children go to school and perceive secondary education. The volunteers distributed books, biscuits and various useful resources, to them. They also taught the children different prayers and poems. All the children were happy and excited to meet and explore with the volunteers.

Life becomes more meaningful when you encounter less privileged people, if life has been fair to us, it makes sense to give back to those who do not have it. No one was created by accident. Everyone deserves to have a life. Humanity is all about giving. National Service Scheme aims at bringing back humanity in people. It takes a heart of gold to live for others.





## **ROAD SAFETY AND TRAFFIC AWARENESS**

**Date :** 10<sup>th</sup> October 2022

**Place:** Room No. 45-Auditorium Institute of Science, Nagpur

The guest lecture on Road Safety & Traffic Awareness was organised by the NSS unit of Institute of Science, Nagpur in association with the JAN AAKROSH on 10<sup>th</sup> October 2022 from 1:45 pm to 3:30 pm. At Room No. 45 – Auditorium Institute of Science, Nagpur.

The program was inaugurated by Dr. Anjali Rahatgaonkar – Director Institute of Science. Dr. Nagesh Yemul (NSS Program Officer) was also present.

The members of Jan Aakrosh gave the lecture on road safety and traffic awareness. They told how does small mistakes during driving vehicles may destroy our whole life. And explained all the accidents that held in past via PowerPoint presentation. They motivate the students to take measures during driving, use of helmet & gave proper guidance regarding road safety and traffic rules.

They also provide the detailed information of all the symbols like U-Turn prohibited, speed limit, overtaking prohibited, keep compulsory left or right, etc. They gave some important measures which we have to remember to reduce the accidents and death due to rush driving.

At the end Jan Aakrosh members distributed the charts of rules of driving, introduction of some important symbols of road safety, emergency number of police and ambulance, etc.





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## NATIONAL SERVICE SCHEME

*Organizes*

**Guest Lecture On**

**ROAD SAFETY  
AND  
TRAFFIC AWARENESS**

**By JAN AAKROSH**

Time - 1.45 PM

Date - 10th October 2022

Venue - Room No. 45 -Auditorium

Institute Of Science, Nagpur



## **INAUGURAL CEREMONY**

**Date** : 19<sup>th</sup> October 2022

**Place** : Room No. 45 Auditorium Institute of Science

Inaugural Ceremony of National Service Scheme session 2022 was by the NSS Unit of Institute of Science, Nagpur on 19<sup>th</sup> October 2022 from 12:00pm. At Room No. 45 Auditorium Institute of Science.

The chief Guests are Ms. Shail Jemini (Social worker, Doordarshan – Film – Drama – Aakashwani Artist) and Ms. AgneeRaut (Bharatnatyam Artist, Social worker). And the theme of this Program was “Indradhanush”.

The program was started with the lamp lightning the chief guests lighted the lamp. The NSS volunteer gave the Introductory speech about the Inaugural ceremony. They told about the NSS unit of Institute of Science.

And then Ms. Shail Jemini and Ms. Agnee Raut scroll to Inaugurate the National Service Scheme of Institute of Science for Session 2022. And then one beautiful skit was presented by the volunteers of the unit. The volunteer gave proper introduction of both the guests. And both the guests share the experiences and great works done by them. They guide us to do great works ahead.

The price distribution for various achievements of NSS volunteers and various program was done. And the program was ended with the National Service Scheme Song and with national anthem. The program was successfully done in the presence of Dr. Anjali Rahatgaonkar Director Institute of Science Nagpur, Dr. Nagesh Yemul NSS Program officer. And the NSS Volunteer successfully manage the program.









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We are delighted to invite you to the 🙌

**INAUGURAL CEREMONY**

**इंद्रधनुष्य** 🌈

of the esteemed committees



- ✨ Literary Arts And Cultural Forum ✨
- ✨ National Service Scheme ✨
- ✨ Career Counselling & Placement Cell ✨
- ✨ Unnat Bharat Shreshtha Bharat ✨

## CHIEF GUESTS

**Shail Jemini**

*Social Worker,*

*Doordarshan - Film - Drama- Aakashwani Artist*

**Agnee Raut**

*Bharatnatyam Artist ,*

*Social Worker*

**Dr. Anjali Rahatgaonkar**

*Director*

*Institute of Science, Nagpur*

**Date - 19th October 2022**

**Place - Room No. 45 - Auditorium**

**Time - 12:00 PM**

*#You are the rainbow of possibilities* 🌈

## UNITY DAY

**Date** : 31<sup>st</sup> October 202

**Time** : 11:30 AM

**Place** : Maharaj Bagh Zoo, Nagpur

National Unity Day is an initiative celebrated every year to commemorate Sardar Vallabhbhai Patel's Birth Anniversary. On the Occasion, the National Service Scheme Unit of Institute Of Science organised Unity Walk and Cleanliness Drive on 31<sup>st</sup> October 2022 supporting the significance for the construction of a Complete Nation with the aim of "One India, Excellent India.

The Volunteers of NSS unit of Institute Of Science celebrated Unity Day at Maharaj Bagh Zoo, Nagpur at 11:30 AM. 70 Volunteers participated in a prayer walk for Unity. The Unity walk was an opportunity for the Volunteers of the unit to come together as a body. The Volunteers also Conducted Cleanliness Drive in the nearby area of the locality to mark the Sardar Vallabhbhai's Vision for the Nation.

Dr. Anjali Rahatgaonkar-Director Institute of Science inaugurated the activity. Dr. Nagesh Yemul-NSS Program Officer NSS Program Officer, Dr. Seema Bodhke and Dr. D Nandagawali – the program officers were present. The Volunteers reaffirms the inherent strength and resilience to withstands threats to the security, unity and integrity of the country.





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*On the occasion of*  
**NATIONAL UNITY DAY**

**NSS UNIT**

*Organizes*

**UNITY WALK**

**And**

**CLEANLINESS DRIVE**

**Time - 11.30 AM**

**Date - 31st October 2022**

**Venue - Maharaj Bagh Zoo, Nagpur**



## **ECO-BRICKS WORKSHOP**

**Date:** 18<sup>th</sup> November 2022

**Place:** At Military Station, Kamptee

An Eco-bricks Workshop Activity was Organised by the NSS Volunteers of Institute Of Science on 18<sup>th</sup> November 2022 at Military Station, Kamptee under the CHIP India Foundation, Nagpur.

Dr. Jaydeep Das and Ms. Shruti Oswal the environmentalists and conservationists from Team CHIP Nagpur, made a significant contribution to a lecture in which they engaged Army personnel and their families at Kamptee cantonment by describing the idea of Eco system restoration in general and highlighting the importance of properly disposing of plastic waste.

The Task was finished with the help of Five Volunteers from the Institute Of Science, showing the concept of Eco-Bricks and offering options for its actual implementation.

The Volunteers also consented to participate in a variety of project Nisargavedh activities with CHIP Nagpur.







## **ELECTION YOUTH FESTIVAL**

**Date** : 19<sup>th</sup> November 2022

**Place** : Futala Lake

The election youth festival organised by collector and District election officer, Nagpur on 19<sup>th</sup> November 2022 from 4:00pm to 7:00pm at Futala lake. The NSS Volunteer of Institute of Science are selected for Volunteering at election youth festival.

Various activities held there like New Voter Registration with Zumba, Live Music, Games, Mallakhamb Demo, Basket Ball, Tug of War, Drawing and painting.





## **NSS ACHIEVEMENTS 2022-23**

The Year 2022 saw progress in many Activities Under the National Service Scheme Unit of Institute of Science including the RD Pared Selection From Rashtrasant Tukdoji Maharaj University, Elocution Competition At Sarvodaya Ashram and Workshop At NSS Ahmednagar in collaboration with UNICEF. The Volunteers of NSS Unit of Institute Of Science are Ambitious towards their Achievements of Today are the Stepping Stones for the Future Ones. The Achievements are follows:

### **1) PRE RD-PARED SELECTION**

The Student of Institute of Science Bsc 2<sup>nd</sup> Year CBZ Vivek Jadhao marked his selection on 24 September 2022 for the Pre- RD Pared from Rashtrasant Tukdoji Maharaj University, Nagpur.



## **2) ELOCUTION COMPETITION**

An Elocution Competition was held on 2<sup>nd</sup> October 2022 on the Occasion of Gandhi Jayanti at Sarvodaya Aashram, Nagpur. A Student Miss.Shreya Pophali from 1<sup>st</sup> Year Institute of Science Won the Consolation Price in the Competition.



**Miss. Shreya Pophali Receiving The Consolation Prize**

### **3) WORKSHOP AT NSS AHMEDNAGAR IN COLLABORATION WITH UNICEF**

Miss. Pruthvi Anilkumar Raut participated and felicitated at Social Media Workshop conducted by Government of Maharashtra in collaboration with UNICEF at Ahmednagar - ETI.

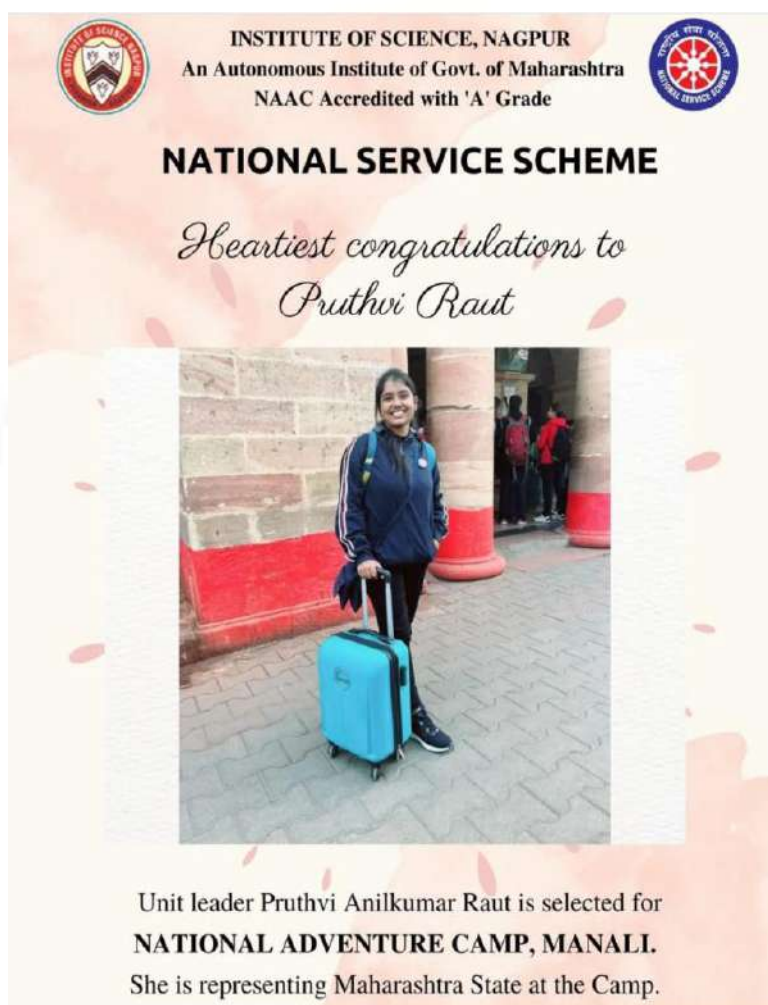


**MISS. PRUTHVI ANILKUMAR RAUT RECEIVING THE CERTIFICATE**

**Pruthvi Anilkumar Raut is appointed as the official Social Media coordinator of NSS RTMNU from 1<sup>st</sup> October 2022.**

#### **4) NATIONAL ADVENTURE CAMP, MANALI**

The National Service Scheme Unit Leader of Institute Of Science Miss Pruthvi Anilkumar Raut was selected for National Adventure Camp, Manali. She represented Maharashtra state at the camp.



## **5) BADGE OF HONOR**

The NSS Unit Leader Miss. Pruthvi Anilkumar Raut was felicitated with the Badge Of Honour by the Director of Atal Bihari Vajpayee Institute Of Mountaineering and Allied Sports at National Adventure Camp, Manali.

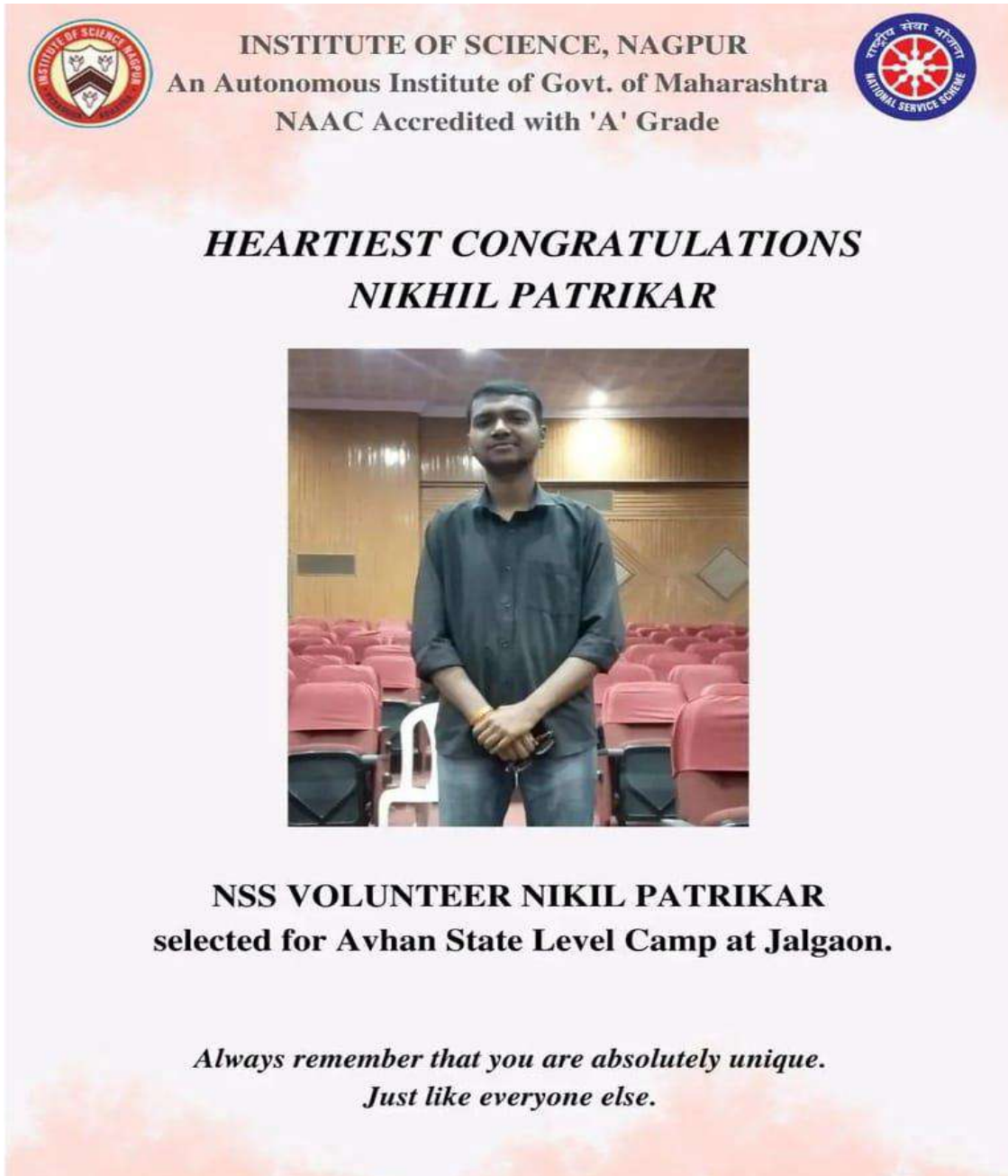


**MISS. PRUTHVI ANILKUMAR RAUT RECEIVING THE BADGE**




#### **4) STATE LEVEL AVHAN CAMP**

The State Level Avhan Camp was organised with the aim to reduce and avoid the potential losses from hazards and achieve rapid and effective recovery. The NSS Volunteer Mr. Nikhil Patrikar was selected at the camp held at Solapur.



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**HEARTIEST CONGRATULATIONS**  
**NIKHIL PATRIKAR**



**NSS VOLUNTEER NIKIL PATRIKAR**  
**selected for Avhan State Level Camp at Jalgaon.**

*Always remember that you are absolutely unique.  
Just like everyone else.*

## **5) NATIONAL YOUTH FESTIVAL 2023**

The NSS Unit leader Miss Pruthvi Anilkumar Raut got selected and addressed the youth delegates from all over India at the 26<sup>th</sup> National youth festival 2023 organized by Ministry of Youth Affairs, Government of India at Huballi- Dharwad, Karnataka from 12<sup>th</sup> January to 16<sup>th</sup> January. The festival was witnessed by the respected Prime Minister of India – Shri Narendra Modi Sir.



## **6) STATE LEVEL NSS CAMP**

The state level NSS camp was organised by Dr M.K. Umathe college and Principal Arunrao Kalode college. The NSS Volunteers Mast.Dhawal Joshi, Mast. Shahil Yadav, Miss Himanshi Natiye and Miss Shreya Shembekar was selected at the camp held at Paradshinga,Katol.



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**NATIONAL SERVICE SCHEME**

*Congratulations!*

For Selection At State Level Camp, Katol



9  
**SHAHIL YADAV**

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**NATIONAL SERVICE SCHEME**

*Congratulations!*

For Selection At State Level Camp, Katol



**SHREYA SHEMBEKAR**





## NSS STATE LEVEL CAMP

### **7) National Integration Camp at Nagpur**

Manish Kadukar, Pruthvi Raut and Ayush Tagde selected and participated at National Integration Camp organized by Rashtrasant Tukdoji Maharaj Nagpur University from 26<sup>th</sup> February to 4<sup>th</sup> March 2023.



S



### **8) Felicitated with 3<sup>rd</sup> Prize at NIC**

Miss. Pruthvi Anilkumar Raut was felicitated and honoured with the third prize at the Elocution competition organized at NIC, Nagpur.



## **9) INTERNATIONAL DELEGATION Y-20**

Unit Leader Pruthvi Anilkumar Raut participated at International Delegation organized by Ministry of Youth Affairs and Sports, Government of India at Symboisis International University, Pune. The program was inaugurated by the honourable minister Shri. Anurag Thakur. Youth from 44 countries participated in the event.





## NSS SPECIAL CAMP 2023

### NSS SPECIAL CAMP AT WAKESHWAR

National Service Scheme of Institute of Science attended the NSS special camp at Wakeshwar and Doangargaon from 6<sup>th</sup> February to 12<sup>th</sup> February 2023. The 80 Volunteers of institute was selected for the camp.





Dongargaon, Maharashtra, India  
X2PH+WHR, NH 44, Dongargaon, Maharashtra  
Lat 20.987251°  
Long 79.028986°  
10/02/23 11:06 AM GMT +05:30



## **The PARTICIPATION BY NSS VOLUNTEERS AT DIFFERENT UNIVERSITY PROGRAMS**

The NSS Volunteers of Institute of Science, Nagpur participated at different programs organised by the University.

### **PROGRAM ON CENTENARY YEAR CELEBRATION ON 4<sup>TH</sup> AUGUST 2022**

The NSS Volunteers of Institute of Science was a part of this program.

The chief guest present there gave the information about the golden history of producing luminaries in various fields.

The Volunteers got motivated that they intended career choices towards becoming productive and contributing individuals.

### **NSS DAY PROGRAM ON 24<sup>TH</sup> SEPTEMBER**

The NSS remains to be an extension programme of Rashtrasant Tukadoji Maharaj Nagpur University.

The volunteers of Institute of Science were part of this program. The program helped them to understand the importance of the community in which they work and develop among themselves a sense of social and civic responsibility.

### **CLEANLINESS DRIVE ON 4<sup>TH</sup> OCTOBER**

The Cleanliness drive an initiative towards environment was organised on 4<sup>th</sup> October at RTMNU, Nagpur.

Such drives are an opportunity for Volunteers participation and they are the major avenues to raise cleanliness in one's neighbourhood.

The Volunteers understood the importance of clean and green environment and the basic ideology in sustainable development.

### **AWARENESS GENERATION PROGRAM ON PROVISIONS OF THE TRANSGENDER PERSON**

The NSS Volunteers of Institute of Science participated at the program on transgender person (Protection of Rights) Act 2019 and Rules 2020 on 6<sup>th</sup> October 2022.

The program was organised by the National Institute of Social Defence Ministry of Social Justice and Empowerment Government of India in collaboration with RTMNU Nagpur Student development department NSS Unit.

The Volunteers were provided the knowledge that will benefit transgender people and communities.

### **CONSTITUTION DAY PROGRAM ON 26<sup>TH</sup> NOVEMBER**

To promote constitutional values among themselves the Volunteers participated in the Constitution Day program.

There were speeches given by the honourable guest. Various events related to the partition and formation of constituent assembly were performed.



## **Government Institute of Science Induction Program 2022:** **A Week of Inspiration and Guidance**

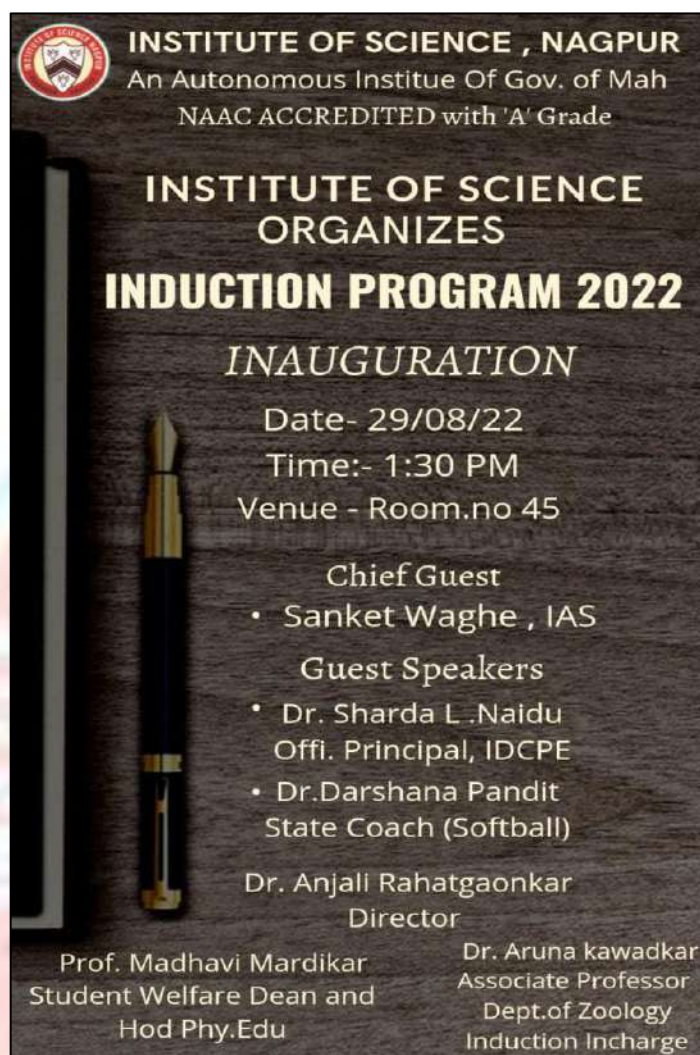
The Government Institute of Science's Induction Program 2022 was not just a routine event; it was a significant milestone that symbolized the commencement of a new academic year and, more importantly, extended a warm welcome to the newly admitted students who were embarking on their college journey. This week-long program, which spanned from August 29th to September 5th, was meticulously crafted and executed with a specific purpose in mind: to provide these fresh faces with a comprehensive introduction to the college, imbue them with its values, and illuminate the myriad opportunities that lay ahead.


In essence, this induction program was a carefully choreographed initiation into the vibrant world of the Government Institute of Science. It was not merely a series of events but a holistic experience designed to acquaint students with the institution's ethos, academic culture, and the path to personal and professional growth that it offered. Throughout the week, the program offered a structured and immersive journey, offering daily events that were not only enlightening but also inspirational.

This report will delve into each day's proceedings, highlighting the significance of each event and shedding light on the key figures who played pivotal roles in shaping the experience. It was through the dedicated efforts of the organizers, guest speakers, and the college's leadership that this program transformed into a truly transformative experience for the incoming students.

As we proceed to explore the daily events, the depth of commitment, the breadth of knowledge, and the warmth of the welcome extended to the students will become abundantly clear, underlining the program's importance in fostering a sense of belonging and aspiration among the new entrants.

## Day 1



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**INSTITUTE OF SCIENCE  
ORGANIZES  
INDUCTION PROGRAM 2022**

**INAUGURATION**

Date- 29/08/22  
Time:- 1:30 PM  
Venue - Room.no 45

Chief Guest

- Sanket Waghe , IAS

Guest Speakers

- Dr. Sharda L .Naidu  
Offi. Principal, IDCPE
- Dr.Darshana Pandit  
State Coach (Softball)

Dr. Anjali Rahatgaonkar  
Director

Prof. Madhavi Mardikar Student Welfare Dean and Hod Phy.Edu	Dr. Aruna kawadkar Associate Professor Dept.of Zoology Induction Incharge
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### **29th August 2022: Inauguration and National Sports Day Celebration**

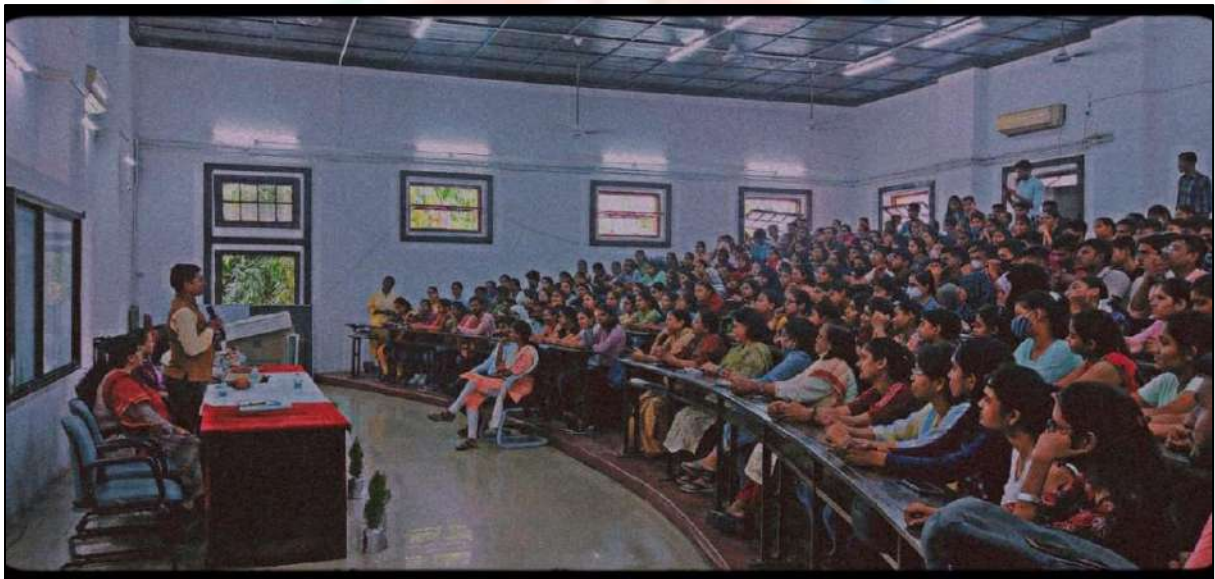
The program's inauguration, held in conjunction with the celebration of National Sports Day, set the tone for a week filled with inspiration and significance. The presence of Mr. Sanket Waghe, a distinguished IAS Officer, and an esteemed alumnus of the Institute of Science, Nagpur, added a palpable sense of pride and honor to the occasion.

The carefully planned agenda ensured a seamless and impressive commencement of the week. As Mr. Sanket Waghe graced the event, the atmosphere brimmed with enthusiasm and reverence. The garlanding and lighting



of the lamp, symbolizing the pursuit of knowledge and enlightenment, set the stage for the enlightening days to follow.

Dr. Aruna Kawadkar's introductory speech eloquently highlighted the vital statistics and the profound significance of the college, while the introduction of the Chief Guest, Mr. Sanket Waghe, further elevated the event's prestige. Distinguished individuals were felicitated for their significant contributions, fostering an atmosphere of gratitude and appreciation. Shahil Yadav's introductory speech on Sports Day underscored the pivotal role of sports in college life, setting the context for its importance.



The introduction of guest lecturers added a layer of expertise, and Dr. Sharda L. Naidu's speech provided invaluable knowledge and perspective. Mr. Sanket Waghe, in his role as the Chief Guest, offered inspirational words that resonated deeply with the students. The program culminated with a captivating Presidential Address by Dr. Anjali Rahatgoankar, the college's director, which left the audience inspired. The event concluded with a heartfelt vote of thanks, expressing appreciation for the collective contributions.

This masterful orchestration of the day, led by Pruthvi Raut as the host, Vandita Khambatkar's gracious vote of thanks, Sakshi Raut's introduction of the Chief Guest, and the pivotal roles played by Kanishka Chabra and Himanshi Natiye in introducing the guest speakers, together with Shahil Yadav's emphasis on the importance of sports, created an indelible impression. The entire event was beautifully preserved through the lens of photography enthusiasts Abhay,

Purvesh, Anuj, and Mandar, leaving a lasting memory of a remarkable beginning to the Induction Program.



## Day 2

### 30th August 2022: Nurturing Well-being through Yoga


The second day of the Induction Program continued the voyage of discovery and inspiration, focusing on the profound practice of yoga. Miss. Dhanashree Lekurwale, an internationally acclaimed yoga practitioner, graced the event with her wisdom and personal experiences. Her guidance was a beacon for students, illuminating the path to a balanced and healthy lifestyle that encompasses physical and mental well-being.

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**INSTITUTE OF SCIENCE  
ORGANIZES**

**INDUCTION PROGRAM 2022**

**Guest Lecture On Yoga**



**Dhanashree Lekurwale**  
International Yoga Patu

**Dr. Anjali Rahatgaonkar**  
Director

**Prof. Madhavi Mardikar**  
Student Welfare Dean and  
HOD Phy. Edu

**Dr. Aruna Kawadkar**  
Associate Professor,  
Dept of Zoology &  
Induction Incharge

**Date- 30th August 2022**  
**Time- 1:30 PM**  
**Venue- Room.no 45**

With grace and precision, Vandita and Pruthvi masterfully conducted the event, ensuring a seamless and engaging experience for all attendees. Their expert coordination allowed for a fluid and informative session. Janhvi Narule took the stage to convey heartfelt gratitude in a vote of thanks, representing the collective appreciation for the enlightening lecture.

Aakriti Sonkusare played a pivotal role by introducing the esteemed guest lecturer, enriching the students' comprehension of yoga's profound significance.

The second day of the Induction Program left an indelible impression, emphasizing the vital importance of holistic well-being. It provided students with valuable insights into the practice of yoga, a holistic discipline that not only enhances physical fitness but also nurtures emotional and mental equilibrium.


This day set a powerful foundation for students as they commenced their college journey, armed with the knowledge of how to embrace a well-rounded, healthy lifestyle. Miss. Dhanshree Lekurwale's guidance will undoubtedly continue to resonate with these young minds as they navigate their academic endeavors and personal growth.




## Day 3

### 1st September 2022: Unlocking the Power of Sports

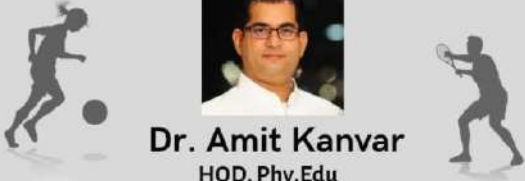
The third day of the Induction Program brought forth a guest lecture that celebrated the vital role of sports in a student's life. Dr. Amit Kanwar, a distinguished authority in physical education and the Head of Physical Education at Hislop College, was the honored speaker. Dr. Kanwar's insights resonated deeply as he unveiled the importance of sports not just within the confines of college life but as a lifelong pursuit. His words served as a beacon for the students, emphasizing the holistic impact of sports on one's physical, mental, and emotional well-being.



**INSTITUTE OF SCIENCE, NAGPUR**  
An Autonomous Institute Of Gov. Of Mah  
NAAC ACCREDITED with 'A' Grade  
Department of Physical Education  
**INSTITUTE OF SCIENCE**  
ORGANIZES  
**INDUCTION PROGRAM 2022**  
Guest Lecture On Sports & Fitness  
Date - 1st of September 2022  
Time - 1:30 PM  
Venue - Room.no 45



**Dr. Amit Kanwar**  
HOD. Phy.Edu  
Hislop College, Nagpur



**Dr. Anjali Rahatgaonkar**  
Director

Prof. Madhavi Mardikar  
Student Welfare Dean  
and HOD. Phy. Edu

Dr. Aruna Kawadkar  
Associate Professor  
Dept of Zoology &  
Induction Incharge

This significant event was orchestrated by the skilled hands of Shahil Yadav and Vandita K., who ensured that the program flowed seamlessly and kept the audience engaged. Himanshi Natiye, in her gracious vote of thanks, expressed the collective appreciation for the enlightening lecture and the invaluable lessons

learned. The guest, Dr. Amit Kanwar, was introduced by Deekshant Bhailot, who emphasized the profound significance of sports in shaping individuals into well-rounded and holistic beings.

The third day of the Induction Program instilled in students a deep appreciation for the transformative power of sports. Dr. Amit Kanwar's guidance illuminated the multifaceted benefits of engaging in sports, from fostering teamwork and discipline to enhancing physical fitness and mental resilience. The knowledge gained on this day will undoubtedly serve as a cornerstone for students as they progress through their college journey, carrying with them the realization that sports can be a lifelong pursuit, enriching their lives in countless ways.



## Day 4

### 2nd September 2022: Nurturing Environmental Consciousness

**INSTITUTE OF SCIENCE, NAGPUR**  
An Autonomous Institute Of Gov. Of Mah  
NAAC ACCREDITED with 'A' Grade

**INSTITUTE OF SCIENCE ORGANIZES**

**INDUCTION PROGRAM 2022**

**Guest Lecture On Climate Change & How to Reduce Carbon Footprints**

Date- 2nd September 2022  
Time - 1:30 Pm  
Venue - Room.no 45

**Dr. Anasuya Kale Chhabrani**  
President of Swacch Association

**Dr. Anjali Rahatgaonkar**  
Director

Prof. madhavi Mardikar  
Student Welfare Dean  
and HOD. of Phy.Edu

Dr. Aruna Kawadkar  
Associate Professor  
Dept of Zoology &  
Induction Incharge



The fourth day of the Induction Program ushered in a profound exploration of environmental issues and the pressing matter of climate change. Dr. Anasuya Kale Chhabrani, the esteemed founder of Swacch Association, graced the event as the guest lecturer. Dr. Chhabrani brought her rich expertise to the forefront, shedding light on the critical environmental challenges our planet faces and her dedicated work with the youth in driving environmental initiatives.

Kanishka and Sakshi N., with their adept hosting, ensured that the event proceeded with a sense of purpose and engagement. Pruthvi Raut took on the

crucial role of introducing the guest, providing context to Dr. Chhabrani's invaluable insights. As the event drew to a close, Sakshi Raut, in her eloquent vote of thanks, emphasized the utmost importance of environmental conservation.

The fourth day of the Induction Program served as an eye-opener for students, enlightening them on the urgency of environmental concerns and climate change. Dr. Anasuya Kale Chhabrani's expertise showcased the potential for the younger generation to be a driving force in addressing environmental challenges. Her work with the Swacch Association demonstrated that individuals, even at a young age, can initiate significant changes in the world's environmental landscape. This day left an indelible mark on the students, highlighting the role they can play in environmental conservation. It instilled a sense of responsibility and an understanding of the value of sustainable practices.

As they embark on their academic journey at the Government Institute of Science, the students carry with them a heightened awareness of the importance of environmental stewardship, prepared to be active participants in preserving the planet for future generations. Dr. Anasuya Kale Chhabrani's visit undoubtedly ignited a spark of environmental consciousness within the student body, which will continue to burn brightly as they move forward, working toward a more sustainable and responsible future.

## **Day 5**

### **5th September 2022: Nurturing Personal Growth and Resilience**

The penultimate day of the Induction Program unfolded with a captivating guest lecture that aimed at more than academic knowledge. Dr. Prasad Nichkat, a dentist and financial advisor, presented a thought-provoking session titled "How Good Do You Want to Be?" The lecture was a deep dive into the realms of holistic well-being and personal development. Dr. Nichkat's insights transcended the boundaries of traditional academia, focusing on the critical aspects of personal growth and resilience, crucial elements of a successful college journey and life beyond.

Sakshi Raut and Ankita led the day with grace and expertise, anchoring the event seamlessly and ensuring that the audience remained engaged and inspired throughout. Vandita K. introduced the esteemed guest lecturer, shedding light on the significance of the subject matter. Abhay K. played a pivotal role in concluding the event with a heartfelt vote of thanks, expressing gratitude for the invaluable lessons imparted.



Dr. Prasad Nichkat's lecture went beyond the conventional realms of education. It provided students with essential life skills, fostering their understanding of personal development and holistic well-being. His discourse encompassed aspects of physical, mental, and emotional well-being, aligning perfectly with the challenges students often face during their college journey.




Students were not only informed but also inspired by Dr. Nichkat's wisdom. His real-world experiences as a dentist and financial advisor allowed him to draw meaningful connections between personal development and long-term success. The lecture was a beacon of hope, showing students that their time at the Government Institute of Science was not just about acquiring knowledge but also about personal growth and self-improvement.

This day was a turning point for the students, leaving them with the realization that they could chart their path toward personal excellence while pursuing academic excellence. Dr. Prasad Nichkat's guidance offered practical and applicable wisdom, setting a strong foundation for the students as they embarked on their college journey. His insights served as a reassuring beacon, reminding them that their path through college could be one of self-improvement, personal growth, and holistic development.

As the students left the session, they not only carried newfound knowledge but also a deeper sense of self-awareness and a roadmap for personal success. The Induction Program's penultimate day was not just a lecture; it was a transformative experience that equipped the students with the tools they needed to thrive both academically and personally during their time at the Government Institute of Science. Dr. Prasad Nichkat's visit was a defining moment in their journey towards becoming well-rounded and successful individuals.

## Day 6

### 6th September 2022: A Grand Finale - Valedictory Function



**INSTITUTE OF SCIENCE , NAGPUR**  
An Autonomous Institute Of Gov. Of Mah  
NAAC ACCREDITED with 'A'Grade

**INSTITUTE OF SCIENCE  
ORGANIZES**

**INDUCTION PROGRAM 2022**

**ALL DEPARTMENTAL INFORMATION  
THROUGH PPT, SCHOLARSHIPS,  
GATHERING, NSS, NCC, LACF, SRC**

Date - 6 September 2022  
Time - 1:30 PM  
Venue - Room.no 45

**Dr.Anjali Rahatgaonkar**  
Director

<b>Prof.Madhavi Mardikar</b> Student Welfare Dean and HOD. Phy.Edu	<b>Dr. S.Bodkhe</b> <b>Dr. N.Yemul</b>
<b>Dr. Aruna Kawadkar</b> Associate Professor Dept of Zoology & Induction Incharge	<b>Mr.S.Borkar</b> <b>Dr. K.Janbandhu</b> <b>Dr.S.Deshmukh</b>

The culmination of the Induction Program 2022 was marked by a grand valedictory function on 6th September, serving as a significant occasion to reflect on the week-long journey of inspiration and enlightenment. The valedictory function was a testament to the commitment of the Government Institute of Science in nurturing its students and fostering holistic growth.

### **Departmental Reports and Committee Highlights**

The valedictory function provided a platform for the Heads of various departments, including Zoology, Botany, Chemistry, Environmental Science, Computer Science, Mathematics, Science, Statistics, Physics, Electronics, and Physical Education. These esteemed HODs presented comprehensive reports that showcased the academic achievements and growth opportunities within their respective domains.

In addition, the teacher-in-charges of various committees, such as the National Service Science, Literary Arts and Cultural Forum, Career Counseling

and Placement Cell, and the Women Development Cell, took the stage to introduce and present their committee's report. They emphasized the invaluable role of these committees in facilitating personal and academic development among students. The reports collectively painted a vivid picture of the college's diverse offerings and its commitment to providing students with a well-rounded education. Each department and committee highlighted their contributions, underscoring their significance in shaping the students' educational journey.



### **Expressing Gratitude**

The valedictory function, true to its spirit, concluded with a vote of thanks, expressing gratitude to all participants, contributors, and organizers who had worked tirelessly to make the Induction Program a resounding success. This expression of appreciation served as a fitting conclusion, acknowledging the collective efforts that had gone into making the program memorable.

### **Student Feedback and Experiences**

As the valedictory function marked the end of this enlightening week, newly admitted students were invited to share their feedback and experiences from the seven-day Induction Program. This segment allowed students to reflect on their journey, share their insights, and convey their appreciation for the valuable guidance and knowledge they had gained.

In summary, the valedictory function not only celebrated the end of a successful Induction Program but also highlighted the collective efforts of various departments and committees that played a pivotal role in shaping the students' experience. It was a poignant reminder of the institution's commitment to nurturing well-rounded individuals who are not just academically proficient but also socially aware and prepared to face the challenges of the future.

### **Conclusion**

The Government Institute of Science's Induction Program 2022 was an overwhelming success. It not only provided students with valuable insights into the college's ethos and values but also connected them with distinguished individuals from various fields. The program ensured that the new students started their college journey on a positive and inspired note.

The feedback from the new students highlighted the immense value of the program in helping them integrate into the college community and understand its core principles. The Government Institute of Science continues to be a beacon of knowledge and inspiration for its students, fostering holistic growth and nurturing future leaders. The success of this program reaffirms the college's commitment to excellence and the holistic development of its students.



Latitude: 21.146928  
Longitude: 79.075155  
Elevation: 307.7m  
Accuracy: 3.9m  
Time: 08-29-2022 14:03  
Note: Biogenius Competition B.Sc. Lab





Latitude: 21.146952  
Longitude: 79.075156  
Elevation: 308.84m  
Accuracy: 3.8m  
Time: 08-29-2022 14:04  
Note: Biogenius Competition B.Sc. Lab



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PHYSICS SOCIETY REPORTS  
2022-23

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# COMMITTEE



**President**

Nargis Sheikh



**Vice-President**

Shubham Kurwade



**Secretary**

Sushma Gaikwad



**Treasurer**

Prasad Rathod



**Event Manager**

Sanskruti Admane



**Event Manager**

Awani Galgate



# **List of Events and Workshop Organized in 2022-23 by Physics Society**

- 1) Physics Society 2022-23 Inauguration
- 2) Workshop on Data Science
- 3) Visit to 10<sup>th</sup> Science Expo
- 4) National Science Day Celebration
- 5) Workshop On DTA-TGA
- 6) Workshop on Rietveld Refinement



Institute of Science, Nagpur  
(An Autonomous Institute)  
**Department Of Physics**

## **Physics Society 2022-2023**

INVITES YOU ALL FOR  
INAUGURAL CEREMONY

Chief Guest  
**Mr. Rupeshkumar Ghagi**  
Co-Founder and President  
Of Maximess

On Wednesday 21 September  
At 10.30 AM

Dr. Chandragupta Dudhe

Dr. Sunil Patil

Nargis Sheikh

Head of Physics  
Department

Incharge of Physics  
Society

President



# Physics Society Inauguration

## Dignitaries On Disse: -

Chief Guest Mr. Rupeshkumar Ghagi, Head of The Department

Dr. Chandragupta Dudhe, In charge of Physics Society Dr. Sunil Patil

The Department of Physics Conducted the Inauguration Ceremony of Physics Society On 21st September 2022.

- The program started with the Dip-prajvalan followed by a warm welcome speech by Miss Sanskruti Admane and Mst. Prasad Rathod. Our head of department Dr. Chandragupta Dudhe give the token of appreciation behalf of Physics department.
- Miss Nargis Sheikh delivered an overview of the Physics Society and its activities. She also highlighted how it helped in development of students, putting out their hidden talents.
- Then the upcoming committee members were felicitated, and respective badges were distributed, President Miss Nargis Sheikh, Vice President Mst.Shubham Kurwade, Secretary Miss Sushma Gaikwad, Treasurer Mr. Prasad Rathod, Event Organizer Sanskruti Admane.
- The committee members took an oath that “I Solemnly, I Will Perform My Duties with All Due Respect and Responsibility.” After the oath taking ceremony Miss Sanskruti Admane Invited Chief Guest Mr.Rupeshkumar Ghagi on stage, his concept for physics were clear, he made things as simple as it can be.
- In his speech he put forward a point, “we must never think of getting settled in life keep doing some or the other things”. He shared lots of his experiences and challenges, with this he ended his speech.
- Mr. Prasad Rathod invited Our Chairperson Dr. Chandragupta Dudhe on stage, he put forward his few points which were remarkable.
- Then Mr. Shubham Kurwade gives the vote of thanks, thanking each one present in the inaugurations ceremony and with this we give an end to the program. 56 Student Were Present in The Inauguration Ceremony Including Teaching and Non-Teaching Staff.

## **Biography of Chief Guest: Mr. RupeshKumar Ghagi**

He is chief mentor and storyteller of MAXIMESS which is a digital product engineering company. He has completed his bachelor's degree from Anand Niketan college in science with physics, electronics, and mathematics. He did his master's degree with physics from Pune University. He secured Top Rank in NEST, GATE, SET and NET exams. He delivered more than 150 project across the globe. He is a co-founder of MAXIMESS, it helps in delivering digital product in healthcare, education consumer electronic, construction etc.

# Workshop On Data Science



**Dignitaries On Disse:** - Chief Guest Mr. Paragh Hirulkar, Head of The Department

Dr. Chandragupta Dudhe, In charge of Physics Society Dr. Sunil Patil

- The Physics Society organized a Data Science workshop on 28th November 2022. The program started with the welcome speech by Miss Sanskruti Admane and followed by the introduction of our chief guest by Mst. Prasad Rathod. Our head of department Dr. Chandragupta Dudhe welcomed him by giving a sapling. After this ceremony, Mst. Prasad Rathod invites our chief guest, to start his workshop.
- Mr. Parag Hirulkar introduced us the theme of workshop “Physics Inspired AI”, giving a basic explanation of data science, data science is a more forward-looking approaches, an exploratory way with the focus on analyzing the past or current data and predicting the future outcomes with the aim of making informed decisions. It answers the open – ended question as to “what” “how” events occur. To makes it easier for is to understand, he asked us to write four examples of each type of data science i.e., Nominal, ordinal, discrete and continuous, the example must be of our

daily use items. This activity cleared our concept of data science. Then begin to be explained the main agenda i.e., AI (artificial intelligence). It is branch of computer science that focuses on building and managing that can learn autonomously make decision and carry out actions on behalf of a human being. He shared each and every aspect and uses of AI, one of the fastest growing technology. Best example of AI is Sophia the (AI Robot), he explained each and every termed and technology used to develop Sophia. In India many industries use AI technology, like machine learning engineer, data scientist, business intelligence developer, research scientist. Space Science also uses AI (ISRO, NASA).

- Why one should choose AI as a career option?
  - AI career are future- proof, meaning they are likely to survive well into the future.
  - The rise of AI will create 97 million new jobs by 2025. According to international data corporation (IDC) the numbers of AI jobs is expected to globally grow 16% this year.
- Getting an education in AI is Challenging and requires personal initiative. Clearing all the doubts and motivating students to join AI he ended Workshop.
- Our in charge of physics society Dr. Sunil Patil sir felicitate Mr. Parag Hirulkar sir with a memento as a token of appreciation. Miss. Sushma Gaikwad gives the vote of thanks, thanking each one present in the workshop and with this we gave an end to the program. The workshop was attended by 70 students from the department of physics, statistics and computer science including teachers.

## **Biography of the Guest: Mr. Parag Hirulkar**

He is an experienced data scientist. Skilled in statistical data analysis “R python” (which is a programming language), statistical modelling.

He has completed his master’s degree of technology in VLSI. He worked as design engineer in leogreen Technologies Pvt. Ltd. He further learned about machine learning, computer vision, deep learning data science, statistics unified communication and contact center application VLSI from international institute of information technology (I square IT). Presently he a Lead data scientist at jabsqre located in Bangalore, Karnataka.

## Participation in the 10<sup>th</sup> Science Expo



On 22<sup>nd</sup> January students of MSc (physics) I year and II year visited 10th science expo which was held at Raman Science Center. The visit was organized by physics society.

The 10<sup>th</sup> science expo started in 2012, science expo is a unique event, to bridge the gap between science and students. This science expo helps in creating awareness in students about the research and development works being carried out in various scientific institutions. The science expo brings students face to face with practicing scientists, they shared information on latest development.

The achieved its objectives of acting as an interface between science and students, motivate students about the benefits of choosing science as their career. Large no. of students from various schools and colleges visited science expo.

The 10<sup>th</sup> science expo had 14 participating institutions with latest research and developments.

1. Anthropological Survey of India, Nagpur
2. Atomic Minerals Directorate for Exploration & Research, Nagpur
3. CSIR- Central Institute of Mining and Fuel Research, Dhanabad
4. CSIR- National Environmental Engg. Research Institute, Nagpur
5. Geological Survey of India, Nagpur
6. ICAR- Central Citrus Research Institute, Nagpur
7. ICAR- Central Institute for Cotton Research, Nagpur
8. Jawaharlal Nehru Aluminium Research Dev. And Design Center, Nagpur

9. Moil Limited, Nagpur
10. Mineral Exploration Corporation Limited, Nagpur
11. Regional Remotes Sensing Center, Nagpur
12. Visvesvaraya National Institute of Technology, Nagpur
13. Western Coalfields Limited (WCL), Nagpur
14. Raman Science Center and Planetarium, Nagpur







# Celebration of National Science Day

*On The Occasion of*  
**NATIONAL SCIENCE DAY**



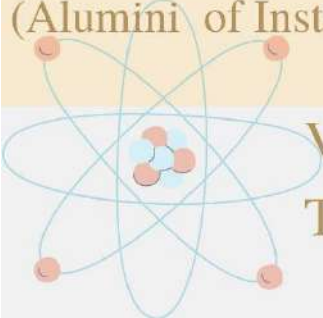
**Physics Society**

**INSTITUTE**

**OF**

**SCIENCE**

Is Organizing a lecture on NET- SET Preparation  
By **Mr Manish Dhawale**  
(Alumini of Institute of science)



Venue: Rome No. 82

Time: 11:30 Am Onwards



**Dignitaries On Disse:** - Chief Guest Mst. Manish Dhawale, Head of The Department

Dr. Chandragupta Dudhe, In charge of Physics Society Dr. Sunil Patil

- On 28 February 2023 department of physics celebrated National Science Day also celebrated as Birth Anniversary of Dr. C V Raman which was organized by physics society. The celebration started with warm welcoming by Miss. Akansha Chafle welcoming all the dignitaries on disse and the students. Our head of the department Dr. Channdraguta Dudhe sir welcomed our chief guest by giving him a sapling, one step from physics society for recovering our mother earth. After the welcome ceremony Mst. Motilal Meshram came forward to put his thoughts, innovation on science, it was an encouraging speech.
- Miss Akansha Chafle invited Mst. Manish Dhawale sir, he guided us for NET and SET examination preparation, shared each and every detail like which subject to choose, how to prepare, time management and the negative marking.
- Our head of the department Dr. Chnadragupta Dhudhe sir also delivered a motivational and inspiring speech, he shared a beautiful history with us, Dr.C V Raman was a part of Department of physics, he uses to perform his experiments in the institution.
- Physics society also organized a quiz competition between MSc I year and MSc II year students including teachers, the competition was hosted by Mst. Manthan


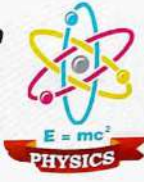
Quiz competitions had three rounds, first round was MCQ, second round was guessing the scientists and the last round was rapid fire. The quiz competition had a tie between MSc I and MSc II year students. The competition was enjoyed by all the team members.

- Dr. Sunil Patil sir In charge of physics society gave a memento to Mst. Manish Dhawale sir on behalf of physics society as a token of appreciation. With vote of thanks by Miss Sushma Gaikwad we ended this program.
- [MANISH PPT PHYSICS.pptx](#) ppt link


## **Biography of Mst. Manish Dhawale**

He completed his post-graduation from Institute of science MSc (Physics), cleared his MH-SET exam in year 2020. He is currently working as Assistant Professor of physics at Shri Mathurdas Mohata Science College, Nagpur on CHB basis.


# Workshop on DTA- TGA



Institute of Science, Nagpur  
Physics Society



IS ORGANISING A  
**GUEST LECTURE ON DTA-TGA**



ACCESS REGISTRATION  
LINK THROUGH THIS

*Resource Person*  
**Dr Rajesh. R. Patil**  
ASSOCIATE PROFESSOR (M.P.S.C)

DR RAJESH.R.PATIL IS A CELEBRATED PERSONALITY IN THE SECTOR OF ELECTRONIC,AND PHYSICS. GRACING HIS PRESENCE TO DISCUSS WITH THE STUDENTS THE CHALLENGES AND ASPECT LEARNING OPPORTUNITIES IN THE EVER-CHANGING SCINARIO OF PHYSICAL SCIENCES.

VENUE:  
ROOM NO.  
81  
TIME:  
10:30 AM  
ONWARDS

10TH AND  
11TH APRIL  
2023

DR SUNIL.R.PATIL  
PROFESSOR INCHARGE  
PHYSICS SOCEITY

DR CHANDRAGUPT.M.DUDHE  
HEAD OF PHYSICS DEPARTMENT



**Dignitaries On Disse:** - Chief Guest R R Patil, Head of The Department Dr. Chandragupta Dudhe, In charge of Physics Society Dr. Sunil Patil

- Physics society organized a two-day workshop on DTA-TGA, the speaker of this workshop was Dr. R R Patil sir. He was welcome by our head of the department Dr. Chandragupta Dhudhe sir by give him a sapling. This workshop was held on 10<sup>th</sup> and 11<sup>th</sup> April 2023.
- DTA (Differential Thermal Analysis): determines endo- and exothermic event temperatures, and shows phase transitions. TGA (Thermogravimetric Analysis): determines decomposition/mass loss over a temperature range.
- Thermogravimetry Differential Thermal Analysis or TG/DTA is a simultaneous thermal analyzer that can characterize multiple thermal properties of a sample.
- The TG component measures temperatures where decomposition, reduction or oxidation occurs. It simultaneously measures the weight changes associated with decomposition, oxidation and any other physical or chemical changes that result in sample weight loss or gain. The DTA component shows whether decomposition processes are endothermic or exothermic. The DTA also measures temperatures corresponding to phase changes where no mass loss occurs, such as melting, crystallization and glass transitions. The “TG” of TG/DTA is very similar to standard thermogravimetric analysis (TGA). A TG/DTA measures the change in sample weight as a function of temperature (and/or time) under controlled gas atmosphere and temperature. Graphing the percent weight change over a programmed temperature range enables the study of physical or chemical processes that have caused the sample to lose or gain weight.
- Ideal Uses of TGA-DTA
  - Thermal stability studies
  - Monitoring mass changes of materials under controlled gas atmosphere and temperature: volatiles, reactive gas evaluation, filler content, compositional analysis, material identification
  - Phase transitions of metals and alloys
  - Qualitative analysis of phase transitions: melting, T<sub>g</sub>, crystallization
  - Determining the effect of oxidative or reductive atmospheres on materials
  - Analysis of polymers, organic and inorganic materials

## Strengths

- Rapid screening of thermal properties of materials
- Simultaneous acquisition of thermogravimetry and phase transition data
- Small sample size
- Choice of atmospheres (inert or reactive)
- Used for high temperature analysis of phase transitions

## Limitations

- Does not measure heat capacity
- Not quantitative for enthalpy change (e.g., heat of fusion) measurement

## TGA-DTA Technical Specifications

- **Temperature:** ambient to 1100°C
  - **Atmosphere:**
    - Inert – Argon, Nitrogen
    - Oxidative – O<sub>2</sub>, Air
    - Reductive – Hydrogen/Argon mixture
  - **Sample:** 0.1 – 180 mg
  - **Heating Rate:** 0.01 to 100.00°C/minute
- 
- In this two-day workshop he explained every detail of DTA-TGA, he also showed us the instrument and how to operate it with all the precautions. Students of MSc I and MSc II year were part of this workshop.
  - The Incharge of physics society Dr. Sunil Patil sir on behalf of physics society gave him a memento as a token of appreciation.

## **Biography of Dr. R R Patil**

He has done his specialization in solid state physics, electronics. He has taught to students of BSc and MSc. Under his guidance 8 students has awarded with PhD, 50 research papers has been published in international journals and 30 in conference, 3 research projects that has been funded by agencies like UGC, BRNS.

He has also been the co-convener of two-day national conference on recent trends in basic and applied material. He is member of material research society, executive member of luminescence society of India and member of Indian association for radiation protection.

He has been awarded with junior research fellowship for “Thermoluminescence and lattice defects in LiO” sponsored by DAE in year 1994-1996.

He currently working in Institute of Science of forensic science, Nagpur, as associate professor.



# Workshop on Rietveld Refinement

**WORKSHOP**  
**ON RIETVELD REFINEMENT**

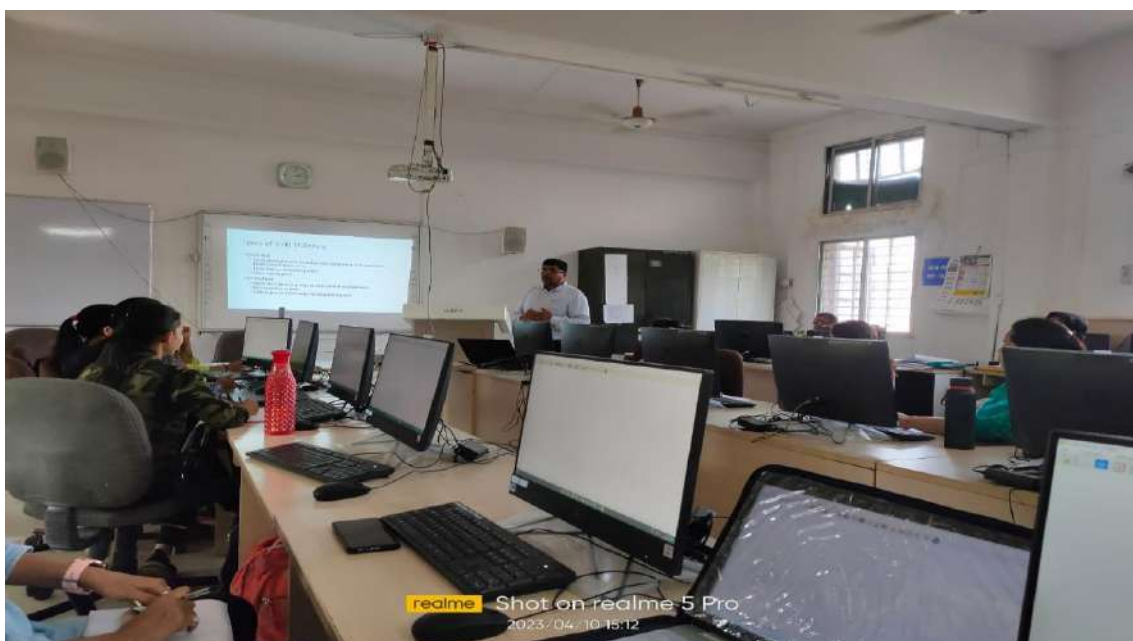
**Resource Person**  
Dr. U. A. Palikundwar (Professor in xray research laboratory RTMNU)



” INVENTING NEW SOLUTIONS ”

DATE	TIME	VENUE
10,11,12 OF APRIL	2.30 PM TO 5.30 PM	COMPUTER SCIENCE LAB

**REGISTER NOW:**



**Dignitaries On Disse:** - Chief Guest Dr. U. A. Palikundwar, Head of The Department

Dr. Chandragupta Dudhe, In charge of Physics Society Dr. Sunil Patil

- Physics society organized a two-day workshop on Rietveld Refinement, the speaker of this workshop was Dr. U. A. Palikundwar sir. our head of the department Dr. Chandragupta Dhudhe sir welcomed by giving him a sapling. This workshop was held on 10<sup>th</sup> and 11<sup>th</sup> April 2023.
- Rietveld refinement is a technique devised by Hugo Rietveld for use in the characterisation of crystalline materials. The neutron and x-ray diffraction of powder samples results in a pattern characterised by peaks in intensity at certain positions. The height, width and position of these peaks can be used to determine many aspects of the materials structure.
- The Rietveld method uses a least squares approach to refine a theoretical line profile until it matches the measured profile. The introduction of this technique was a significant step forward in the diffraction analysis of powder samples as, unlike other techniques at that time, it was able to deal reliably with strongly overlapping reflections.
- It is advantageous to use single phase materials when interested in finding precise structural parameters of a material. However, since the scale factors of each phase are determined independently, Rietveld refinement of multi-phase materials can quantitatively examine the mixing ratio of each phase in the material. Rietveld refinement allows determinations of positional and thermal parameters from powder data.
- In this two-day workshop he explained every detail of Rietveld Refinement, Students of MSc I and MSc II year participated in this workshop and learned the programming of X-ray Diffraction how to obtain a graph using this software.
- The Head of the department Dr.Chandargupta Dhudhe sir on behalf of physics society facilitated him with an memento as a token of appreciation.

## **Biography of Dr. U. A. Palikundwar**

He is Convenor at RUSA centre RTMNU and Coordinator of RTMNU OBEROI centre. He has completed his graduation in 1995 in PEM From RTMNU and post-graduation in physics from RTMNU in the year 1998. He qualified his SET examination in 2001 and awarded with PhD in year2010 for “Electrical Magnetic and X-ray studies of GMR Material of the type  $\text{LnMO}_3$ ”. Under his guidance 3 has been awarded with PhD.

He Currently working at RTMNU in department of physics as a professor.

## REPORT OF STATISTICS SOCIETY INAUGURATION FOR THE ACADEMIC SESSION 2022-23

**National Statistics Day** is observed in India on **June 29** each year. The day aims to raise public awareness of the value of statistics in everyday life as well as in the planning and development process. The celebrated statistician, Professor **Prasanta Chandra Mahalanobis**, is recognised on National Statistics Day for his contributions to economic planning and statistics. Additionally, the Indian Statistical Institute's founder, Professor PC Mahalanobis, celebrates his birthday on 29 June. The theme of National Statistics Day 2022 was '**Data for Sustainable Development**'.

16<sup>th</sup> National statistics day" was celebrated on 29th June 2022 in the Department of Statistics, Institute of Science, Nagpur. All the students of M Sc I, M Sc II and all the faculties were present on this occasion.

On the same day farewell to M Sc II students (21-22 batch) was also organized by M Sc I students. Various games like musical chair, Housie etc were arranged. All the students enjoyed it very much.

An inaugural ceremony of **Statistics society** for the academic session 2022-23 was held in the Department of Statistics, Institute of Science Nagpur on 27th sept 2022. Mrs. Nanda Sharad Jichkar former Mayor Nagpur City was the chief guest on this occasion. This marked the beginning of a new batch of post graduate students of first year.

Mrs Nanda Jichkar spoke on 'Data for Sustainable development'. She presented her thoughts and made students aware of the seventeen sustainable development goals set by United Nations which are to be accomplished by 2030 and efforts of NMC to enforce the goals and overall India's efforts to a sustainable future.

She further touched the topic of gender equality, out of box thinking and suggested the students to focus themselves on acquiring knowledge rather than just focusing on the academic scores. She guided the students to adopt sustainable practices and take initiatives with their innovative ideas in their life and wished them good luck for their future endeavors.

Dr Abhay Khamborkar Prof –in –charge of the society gave the introductory remarks. Ms Priya Raut introduced the Chief guest to the audience. The program was very well compered by Ms Shravani Atakari

Dr Sandhya Dhabe, Prof and Head, Dept of Statistics thanked the Director of the Institute Dr Mrs Anjali Rahatgaonkar and Mrs Nanda Jichkar for accepting the invitation and their guidance.

The toppers and achievers were felicitated for their achievements on this occasion. Late Sunderabai Hege memorial prize for the session 2020-21 was given to Ms Shraddha Awatade for Scoring highest marks in Statistics. Prof V P Godambe and Hege award for the academic session 2019-20 was given to Ms Sayali Mahulkar and Mr Ashwin Deotare for the academic session 2020-21 for being the M.Sc. toppers of the respective years.

Appreciation certificates were presented to Mr Saurabh Jaiswal and Ms Anushri Ghatole for successfully completing internship for PG students 2021-22 organized by Training Unit ,Ministry of Statistics and Program implementation ,Government of India during 1 st July to 31 st August .

Appreciation certificate was also presented to Ms Pranjali Sonone for her valuable contribution and continuing hardwork in carrying out the Statistical Analysis of staff and Students of VSPM dental college and Research centre ,digdoh hills ,Nagpur as a part of MoU signed between the two institutions.

The program concluded with vote of thanks proposed by Ms Renuka Khapare ,Joint secretary of the society . All the students and faculties enjoyed the program very much.





## Department of Physical Education

Head: Dr. Madhavi Mardikar

Other Staff: Dr. Sunil Kapgate Ms. Vrushali Deshmukh



prof. Madhavi Mardikar felicitated by Superpower women award AAIMS MKH Sancheti



Prof. Madhavi Mardikar felicitated by Best Physical Education Teacher Award, by PEFI, Physical Education Foundation of India, in 5th National award function held at New Delhi. PEFI is recognized by Ministry of Youth Affairs & Sports, Government of India



### Induction Programme

The Induction Programme was organised to welcome new batch of BSC first sem Students on 13:08:22. "Welcome to college". Dr. Amit Kanvar delivered the lecture on "Importance of Physical Education.



### Online International Yoga Day

**Online International Yoga Day** was celebrated by Department of Physical Education on 21 JUNE 2022 AT 8:30 am. Dr. Madhavi Mardikar Head of the Department delivered Lecture on importance of YOGA and after that Practical session was done. Dr. Sanjay Dudhe (Pro.VC RTMNU ) was Chief Guest and Dr.R.G.Atram (Director Institute of Science)was Preside over the function. Teaching and non-teaching Staff and Students were present (Total 186 were present)

### State Level 1week YOGA Workshop

**State Level 1week YOGA Workshop** on The Eve of International Yoga was Jointly Organised by Institute of Science Nagpur, Joint Director Higher Education Nagpur Region, Government Institute of Forensic Science Nagpur, Govt Science College Gadchiroli, P.G, T.D. Physical Edu. RTMNU Nagpur, Vasantrya Naik, Govt. Institute of Arts & Social Sci. Nagpur from 18-22 June 2022 **86** delegates were present

### Two Days National Virtual Seminar on Yoga: The Power of Physical, Mental & Emotional Strength

**Date: 12<sup>th</sup> & 13<sup>th</sup> May, 2022**

Yoga Seminar was jointly organized by Rashtrasant Tukadoji Maharaj, Department of Post Graduate Physical Education, Institute of Science, J.M. Patel Arts, Commerce & Science College, Bhandara, Dr. M.K Umathe College, Nagpur. Seminar

on **Yoga - Power of Physical, Mental & Emotional Strength** was organized on 12<sup>th</sup> & 13<sup>th</sup> May, 2022. Chief Guest of the Inaugural Function was Dr. Rajshree Vaishnav, Dean, Inter-Disciplinary Studies, Special Guest Dr. Karthik Panicker, Dean Administration, IQAC Coordinator, J.M Patel College, Bhandara and Dr. Anjali Rahatgaonkar, Director, Institute of Science, Nagpur presided over the function. In the inaugural function, Dr. Madhavi Mardikar introduced the program and presented the importance of the program. Dr. Rajni Murkute & Dr. Bhimrao Pawar conducted the program and Dr. Romi Bisht proposed vote of thanks.



India's First Diwyang Cricket Academy organised Cricket Tournaments in association with Institute of Science Nagpur



Volleyball winner team - University level Tournaments at DNC College, Nagpur



Rashtrasant Tukadoji Maharaj Nagpur University Inter Collegiate Floorball Tournaments was Organised by Institute of Science Nagpur, Dr. Madhavi Mardikar was Teacher In-charge



Pranav Parwat: - Secured Bronze Medal, in Javelin

**YOGACamp** Was organised by Dr. Madhavi Mardikar for Student from 10 – 16 may 2022 (1 Week) from 7:00 am to 8:00 am. And Got Consolation Prize from YCMOU for best camp conducted as well as A YOGA CAMP was organised for the student of the Institute at Kolitmara Under the NSS Dr. Madhavi Mardikar Imparted YOGA Training.



**On the occasion of Teacher's Day Department Celebrated Teachers Day on 5<sup>th</sup> September**



**Guest Lecture on Yoga by Inter National YOGAPTU Ms. Dhanashree Lekurvale on 21 August 2022, and Dr. Kavita Patil**



**Sakshi Tambhake:- Secured Gold Medal, in 200 mtr race. and Selected for Mini Olympic Performance: - 26:36 Second, she also Secured Gold Medal, in 200 mtr race. and Selected for University, Secured Gold Medal, in 400 mtr race and Selected for University**



Protection lessons were given through Bardi police station on how to behave as a student of the institute, how to live and how to lead a life, how to protect oneself under the guidance of Dr. Madhavi Mardikar Teacher In-charge and Sitabuldi PSI Sunetra Mone.





**Intra Murals :  
Khelutsva2023**

<b>Intra Murals Winners of Khel Utsav 2022-23</b>			
<b>YOGA</b>	<b>Suryanamaskar</b>	<b>Badminton</b>	<b>Table Tennis:</b>
1 <sup>st</sup> Prachi salam	1 <sup>st</sup> Shrushti Bhojar	<b>Girls Sinles</b>	<b>Girls Sinles</b>
2 <sup>nd</sup> Manasi Kumbhare	2 <sup>nd</sup> Manasi Kumbhare	1 <sup>st</sup> Anudi Yadav	1 <sup>st</sup> Pallavi Aglave
3 <sup>rd</sup> Saumya Bharat	3 <sup>rd</sup> Prachi Salam	2 <sup>nd</sup> Manvi Pathak	2 <sup>nd</sup> Anudi Yadav
<b>Vollyball:</b>	<b>CHESS</b>	<b>Boys Singles:</b>	<b>Boys Singles:</b>
Boys	1 <sup>st</sup> Shubham Lale	1 <sup>st</sup> Nikhil Dwivedi	1 <sup>st</sup> Manish Kadukar
1 <sup>st</sup> M.Sc. 2 <sup>nd</sup>	2 <sup>nd</sup> Abhishek Kapaley	2 <sup>nd</sup> Vivek Jadhav	2 <sup>nd</sup> Amol Uikey
2 <sup>nd</sup> B.Sc. III	3 <sup>rd</sup> Nishant Petale	<b>Girls Doubles</b>	<b>Girls Doubles</b>
<b>Girls</b>	<b>Tug of War:</b>	1 <sup>st</sup> Hitakshi Pandya	1 <sup>st</sup> Pruthvi Raut and
1 <sup>st</sup> B.Sc. I Maths	<b>Boys:</b>	1 <sup>st</sup> Vaishnavi Janbandu	1 <sup>st</sup> Rohini Temburlikar
2 <sup>nd</sup> B.Sc. III Maths	1 <sup>st</sup> M.Sc.1	2 <sup>nd</sup> Pruthvi Raut	2 <sup>nd</sup> Rutuja Ramteke &
<b>Football</b>	2 <sup>nd</sup> B.Sc. II Maths	2 <sup>nd</sup> Manvi Pathak	2 <sup>nd</sup> Janvhavi Tidobe
1 <sup>st</sup> B.Sc. I maths	<b>Girls</b>	<b>Boys Doubles:</b>	<b>Boys Doubles:</b>
2 <sup>nd</sup> B.Sc. I Non Maths	1 <sup>st</sup> B.Sc. III (Bio)	1 <sup>st</sup> Manish kadukar	1 <sup>st</sup> Manish Kadukar
<b>Shot Put:</b>	2 <sup>nd</sup> B.Sc. II (Bio)	1 <sup>st</sup> Vivek Jadhav	1 <sup>st</sup> Manish Chandekar
<b>Boys</b>	<b>Cricket:</b>	2 <sup>nd</sup> Nikhil Dwivedi	2 <sup>nd</sup> Vivek Jadhav
1 <sup>st</sup> Aniket Chaudhari	<b>Boys</b>	2 <sup>nd</sup> Vishwajeet Namdeo	2 <sup>nd</sup> Abhishek Singh
2 <sup>nd</sup> Ayush Junghare	1 <sup>st</sup> B.Sc. I Maths	<b>Mix Doubles:</b>	<b>Mix Doubles:</b>
3 <sup>rd</sup> Ritik Bhalerao	2 <sup>nd</sup> B.Sc. II Non Maths	1 <sup>st</sup> Vishwajeet Namdeo	1 <sup>st</sup> Amol Uikey and
<b>Girls</b>	<b>Girls</b>	1 <sup>st</sup> Hitakshi Pandya	1 <sup>st</sup> Pallavi Aglave
1 <sup>st</sup> Maithili Jadhav	1 <sup>st</sup> M.Sc. II Physics	2 <sup>nd</sup> Alex Kashyap and	2 <sup>nd</sup> Sarth Gajbiye and
2 <sup>nd</sup> Amruta Rupchandani	2 <sup>nd</sup> B.Sc. II Non Maths	2 <sup>nd</sup> Mrugaya Sangodkar	2 <sup>nd</sup> Pruthvi Raut
3 <sup>rd</sup> Shrushti Bhojar			

**Sports Achievements 2022-23: Medal Winners and  
All India Interuniversity and National Represented players of Institute**



Ku. Shalaka Page  
Represented, All  
India Inter  
University  
Tournament in Chess  
and Captain of the  
Team



Pranav Parwat  
R.T.M.N.U. Nagpur,  
Athletics  
Championship 2022  
Javelin Throw in  
Bronze Medal,



KU. Nalini Bajirao  
Represented, Floorball,  
All India Inter  
University Tournament



Shri Aniket  
Chaudhary  
Represented  
Baseball at RTMNU  
Team



Shri Yash Shinde,  
Secured Silver Medal,  
in 110mtr Hurdle race  
in RTMNU Annual  
Athletics meet, and  
also Represented  
State Level



Ku. Shejal Dhore  
Represented All India  
Inter University  
Tournament and  
National, State Level  
Tournaments in  
Handball,



Ku. Prachi Salam  
Represented, Floorball,  
All India Inter University  
Tournament, Best YOGA  
PATU, Secured 1<sup>st</sup> Place  
in LAD Inert Colligate  
YOGA Competition



ku. Maithili Jadhav  
Represented All India  
Inter University  
Tournament, National  
and State Level  
Tournaments in  
Volleyball



Shri Sushant Rathod  
Represented Atyapatya  
Tournament at  
University  
Tournaments and  
Student In-charge at  
Sports Meet and  
Annual Social  
Gathering



Ku. Sakshi Tambhake  
Athletics, Secured Gold  
Medal, in 400 Secured Gold  
Medal, in 200 mtr race in  
R.T.M.N.U. Nagpur,  
Athletics Championship,  
Represented All India Inter  
University Tournament and  
National, State Level  
Tournaments 2022



Ishika Rajesh Warwade  
Maharashtra State  
championship GOLD  
Medalist  
Maharashtra Mini  
olympics SILVER  
medalist  
Khasdar GOLD medalist



Shri Sahil Yadav YOGA  
PATU Represented  
RTMNU and NSS State  
Level Camp From 1st  
February -7th February,  
2023  
Place : Sati Anusayamata  
Devasthan, Pardasinga,  
Tal. Katol, Dist. Nagpur