



Mahatma Gandhi Vidyamandir's

## **Loknete Vyankatrao Hiray Arts, Science & Commerce College**

Affiliated to S.P.P. Uni., Pune Id. No. PU/NS/ASC/018 [1971]  
Website : [www.lvhcollege.com](http://www.lvhcollege.com) e-mail : [lvhcollege@gmail.com](mailto:lvhcollege@gmail.com)

Founder



Karmaveer Bhausaheb Hiray

Re-Accredited by NAAC with 'A' Grade  
Best College Award 2017 (S.P. Pune University)

### **Criteria 3- Research, Innovations and Extension**

#### **3.2- Innovation Ecosystem**

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

## **This file contains following details**

- **SoP of Incubation centre**
- **Meeting minutes**
- **Workshops/Seminars on IPR/Research methodology**
- **Patent/copyright details**
- **Green reactions and Photocatalysis**
- **Gas sensor**
- **Auto hand sanitizer**
- **C-MET report**
- **LVH Innofest- 2022**
- **Nature club**
- **E-waste management**
- **Start-up details of the students**



  
**PRINCIPAL**  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 422 003.



**Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray Arts, Science & Commerce College Panchavati,  
Nashik-3  
STARTUP AND INNOVATION CELL (SIC)**

**Standard Operating Procedures**

Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell MIC to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray Arts, Science & Commerce College Panchavati, Nashik-3 has constituted the startup and innovation cell (SIC), with the intention of creating awareness to encourage the creativity and innovation for startup activities among the Students, Faculty and the Research Scholars.

**Constitution of Startup and Incubation Cell:**

1. Chairman: Principal
2. Coordinator: Senior Faculty Member
3. Members: External and Internal
4. Faculty Representative
5. IQAC Coordinator
6. Student Representative
7. Academician / Industrialist

**Aims of SIC:**

With support of Management, Principal and IQAC, SIC stands to conduct start up awareness activities such as workshops, idea competition, field visits, innovation center/startups labs visit round the year as specified by MHRD guidelines.

**Objectives of SIC:**

1. To promote entrepreneurship and facilitate practical application of knowledge.
2. To organize workshops, seminars, IPR, Ecosystem, green initiatives and other key technologies to bring innovative awareness among the students and faculty.
3. To organize state level Innovation LVH Innofest competition.
4. To organize department wise Poster/ project competition among students.
5. To facilitate the creation of ideas and inventions.
6. To encourage faculty members and students to go patentable works.
7. To facilitate proper understanding of a wide range of legal concepts with regard to Copyrights, Trademarks, Patents and Industrial Designs and Models.
8. To provide guidance and management to facilitate the development of entrepreneurship.



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Art s, Science & Commerce College  
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9. To make an MOU with industries by providing projects, internships and other activities for the students.
10. To conduct events for Faculty and Students on innovative concepts.
11. To make sure that, all final year students should publish technical paper in reputed journal related to their project work.
12. Faculty should be trained with new innovative methodologies in teaching.
13. To provide and create employment opportunities.
14. To provide MOOC facilities to start-up literacy among students.

### **Responsibilities of the Coordinator:**

1. The Coordinator of the SIC is expected to convene the meetings and set an agenda for the discussion.
2. The Coordinator of the SIC is responsible for planning the awareness session.
3. To write and circulate the minutes of the meeting.

### **Roles and Responsibilities of SIC:**

The role of Startup and Incubation Centre is to educate the students regarding experimentation, idea management, design thinking, frameworks, related methodologies, practices and to provide networking activities and to further carry out the following activities.

1. Formation of Startup and Innovation Cell.
2. Registration of Interested Students in the cell.
3. Identification of Mentor Pool from the local Ecosystem.
4. Induction workshop for new students.
5. Preparation of an action plan for Startup Activities.
6. Exposure of Students and Faculty to Startup Culture.
7. Organization of lectures of Entrepreneurs.
8. Formation of Industry Interaction Cell for getting Industry problems and inviting experts as mentors.
9. Formation of Social Entrepreneurship Cell
10. Formation of groups of students and faculty interested in starting a startup.
11. Involvement of Alumni in college Startup.
12. Market Surveys for identified products/ Processes/ Systems.
13. Awards and appreciation to noted innovators and startups of the Institute.
14. Encourage the students to participate in startup and innovation related exposure programmes at various places.
15. IPR Cell creation for promoting and facilitating Intellectual Property Rights related



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endeavors.

16. Access to existing labs and similar infrastructure to students innovators and startup beyond class hours.
17. Best Practices documentation and dissemination.

**Requirements:**

1. Meeting room, Seminar/AV Conference Hall, Computers, Internet Network and basic related infrastructure
2. Understanding of social entrepreneurship and the development sector in India.
3. Post-graduation Degree of the Incubator with a specialization in any stream.
4. Basic knowledge of Strategic Planning, Research Methodologies and Business Plan Development.
5. Fluency in English, Hindi knowledge of additional Indian languages will be a plus. Skills.
6. Strong communication and writing skills.
7. Self-driven with the ability to take initiative and solve problems.
8. Excellent interpersonal skills with ability to engage with social entrepreneurs and their teams.
9. Ability to deliver tasks within deadlines in high pressure scenarios.
10. Excellent skills in MS office especially MS Word and MIS, PowerPoint.



  
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Founder



Karmaveer Bhausaheb Hiray

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

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Website : www.lvhcollege.com e-mail : lvhcollege@gmail.com

Re-Accredited by NAAC with 'A' Grade  
Best College Award 2017 (S.P. Pune University)

Ref.No.: LVH/2019-20/  
To  
The Director,  
Centre for Innovation, Incubation & Enterprise,  
International Centre Building,  
Savitribai Phule Pune University,  
Pune - 411007.

Date : 24/06/2019

Subject : Creation of "Startup & Innovation Cell" at College.

R/Sir/Madam,

This is to bring to your kind consideration that our College has setup "Startup & Innovation Cell" to promote the culture of Startups & Innovation. The composition of the cell is as follows :-

## "Startup & Innovation Cell"

Sr. No	Designation	Name	Mobile No	Email Id (Personal)	Email Id (official)
1	Principal	Dr. C. G. Dighavkar	9011027600	cgdighavkar@gmail.com	lvhcollege@gmail.com
2	Head Startup & Innovation Cell	Dr. Vinit H Rakibe	9421286431	vinitrakibe911@gmail.com	lvhcollege@gmail.com
3	Coordinator of the Cell	Dr. Resham Bhalla	7588133244	dr.resham.bhalla@gmail.com	lvhcollege@gmail.com
4	Members (Students)	Pragati Patil	8796005065	pragati.patil64@gmail.com	lvhcollege@gmail.com
		Hina Sadique Shaikh	855489172	mosinashaikh2914@gmail.com	lvhcollege@gmail.com
		Rishikesh Sapke	7507848998	hvsapke21@gmail.com	lvhcollege@gmail.com
		Prachiti Visave	9325098891	vprachiti@rediffmail.com	lvhcollege@gmail.com
		Suman Sharma	9156061329	sumansharma3739@gmail.com	lvhcollege@gmail.com
		Rinku Madhav Malik	7448248146	malikrinku9130@gmail.com	lvhcollege@gmail.com
5	Industry Member	Mr. Anil Soanwane	9850490678	prismelex@gmail.com	lvhcollege@gmail.com
		Mr. Ismail Shaikh	9823078332	gmservice@torrentcorporation.net	lvhcollege@gmail.com

Person to be contacted for communication :

Name : Dr. Vinit H. Rakibe  
Cell No. : 9421286431  
Email ID. : vinitrakibe911@gmail.com



(Dr. C. G. Dighavkar)  
**Principal**

Panchavati, Nashik - 422 003 (M.S.) INDIA Phone : 0253 - 2512924, 2628233, 2628204  
Loknete Vyankatrao Hiray Panchavati, Nashik - 3.

**SAVITRIBAI PHULE PUNE UNIVERSITY**  
(Formerly University of Pune)

**Centre for Innovation,  
Incubation & Enterprise**  
International Centre Building,  
Savitribai Phule Pune University,  
Pune - 411007.



**Dr. Apoorva Palkar**  
Director  
Contact Nos 020-25690010/  
020-25601104  
e-mail : directoriil@unipune.ac.in

Ref. No. : IIE / 346

Date: 07/08/2019

To,  
The Principal,  
Affiliated Colleges,  
Savitribai Phule Pune University,  
Pune - 411007

Dear Sir / Madam,

We have received letter from you of constitution of Startup & Innovation Cell in your college.

Enclosed please find the guidelines for starting the work that is self explanatory.

**Dr. Apoorva Palkar**

Director,  
Innovation, Incubation and Linkages

*Dr. R. A. Shella*  
*Coordinator*  
*[Signature]*  
*13/08/19*

**Savitribai Phule Pune University, Pune**  
**Centre for Innovation, Incubation and Enterprise**  
**Lokenete Vyankatrao Hiray Arts, Science and Commerce College,**  
**Panchavati, Nashik-3**

**List of Faculty and Students Participants**  
**Students Awareness Program**

Centre : KTHM College, Nashik.

Date 22/08/2019

Sr. No.	Name	Designation	Mobile number	Mail Id
1.	Dr. Resham Bhalla	Coordinator	7588133244	dr.resham.bhalla@gmail.com
2.	Dr. Nutan Sadgir	Faculty member	7972276366	
3.	Kshitija Jadhav	Student	9673485818	kshitija91@gmail.com
4.	Dhanshree Wagh	Student	9404310355	waghdhan15@gmail.com
5.	Bedage Ankit	Student	8208723017	vickybedge@gmail.com
6.	Dhyani Neha	Student	9156537349	dhyanineha10@gmail.com
7.	Visave prachiti I.	Student	9325098891	vprachiti@rediffmail.com
8.	Bachhav Dinesh M.	Student	8007632623	dineshmbachhav1996@gmail.com
9.	Shinde Amol D.	Student	7083682506	amolshinde5@icloud.com
10.	Agre pankaj Damodar	Student	9607368175	iampankaj2325@gmail.com
11.	Mahale Bharti	Student	7304119542	shitalmahale7@gmail.com
12.	More Radhika		9028318620	

13. Priyanka Patil  
14. Karuna Barde.

9146579502

9850790704



*Handwritten signature and date: 24/08/2019*



# Startup and Innovation Cells Students List

Msc. Zoology I

Page No.   
 Date: 22/08/2019

Sr.No.	Student Name	Mob.	Mail-ID.
✓ ①	Kshitiya Jadhav	9673485818	kshitiya71@gmail.com
②	Baldeo Katuna.D	9850790704	katunabaldeo204@gmail.com
③	Ashwini Saptale.S.	4764167667	aceshuSaptale10@gmail.com
④	Sarkate Seema K.	9765059263	sarkate.seema88@gmail.com
⑤	Sinnarkar Monika D	8975015270	monikasinnarkar23@gmail.com
⑥	Dipali Salunke	7558532462	salunke.dipali@gmail.com
⑦	Pushpali Gund	7447893837	pushpaligund@gmail.com
⑧	Bedage Ankit	8208723017	vickybedage@gmail.com
⑨	Gangurde Nikita	7517484555	niksnsb87@gmail.com
⑩	Pagat Chetana	8421498125	chetanapagat7101@gmail.com
⑪	Patel ShaFAQue	8880748292	fatemaShaiKh324@gmail.com
⑫	Rikame Pramod	7887974709	rikamepramod01@gmail.com
✓ ⑬	Prachiti L. Visave	9325098891	vprachiti@uodiffmail.in
✓ ⑭	Bachhav Dinesh M.	8007632623	dineshmbachhav1996@gmail.com
✓ 15	Shinde Amol Dattaboy	7083682506	amolshinde5@icloud.com
✓ 16	Agre Pankaj Damodar	9607368175	jampankaj2325@gmail.com
✓ 17	Mahale Bharti	7304119542	shitalmahale7@gmail.com
✓ 18	Dhan Patil Dhanashree	7030162834	dhanshreep3@gmail.com
✓ 19	Dhanashree Wagh	9404310355	wagh.dhanashree15@gmail.com
✓ 20	Neha Dhyan	9156537349	dhyaniheh20@gmail.com



*Bhalla*  
22/08/2019  
Coordinator





Mahatma Gandhi Vidyamandir's

# Loknete Vyankatrao Hiray

Arts, Science & Commerce College

Panchavati, Nashik - 422 003.

FOUNDER



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Phone : 0253 - 2512924, 2648265, 2628234 Fax : 0253 - 2512924

Web site : www.lvhcollege.com E-mail : lvhcollege@gmail.com, jagdalebs@gmail.com, lvhcollegejr@gmail.com, lvhcollegehscv@gmail.com

Date 22/09/2019

## College Level ideation competition under Startup and Innovation Cell

Heads of all the departments are hereby requested to give the names of the students who are interested for startup and innovation from your department for participation in "Identification of problems for ideation competition" which will be held on 9<sup>th</sup> October 2019 in our college. The names of the students should be submitted to Dr. Resham Bhalla (Zoology Department) / Mr. Manjarekar S. D. (Mathematics Department) on or before 28<sup>th</sup> September 2019.



2<sup>nd</sup> Notice

Date 15/10/2019

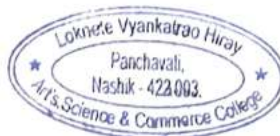
  
Dr. C. G. Dighavakar  
(Principal)  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik - 3

## College Level ideation competition under Startup and Innovation Cell

This is in continuation of the previous circular as above it is hereby informed to all the heads of the department that the date for college level ideation competition under Startup and Innovation Cell has been extended and the competition for this will be held on 23<sup>rd</sup> September 2019. The theme for the said competition is given below. Please bring this circular to the notice of UG as well as PG students and submit the names of the students to Dr. Resham Bhalla (Zoology Department) / Mr. Manjarekar S. D. (Mathematics Department) on or before 18<sup>th</sup> October 2019.

The Challenge theme for the said competition is

1. Efficient Use of water.
2. Services to solve Societal Problems.
3. Agriculture Technology.




  
Dr. C. G. Dighavakar  
(Principal)  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik - 3.

## College Level ideation competition under Startup and Innovation Cell





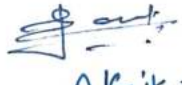



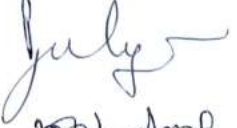
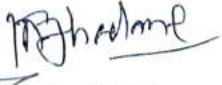



Heads of all the departments are hereby requested to give the names of the students who are interested for startup and innovation from your department for participation in "Identification of problems for ideation competition" which will be held on 9<sup>th</sup> October 2019 in our college. The names of the students should be submitted to Dr. Resham Bhalla (Zoology Department) / Mr. Manjarekar S. D. (Mathematics Department) on or before 28<sup>th</sup> September 2019.



  
Dr. C. G. Dighavakar  
Principal  
Loknete Vyankatrao Hiray  
Science & Commerce College  
Panchavati, Nashik - 3.

Name of the department

Signature.

- |                 |   |             |   |
|-----------------|---|-------------|---|
| ① Psychology    |  | 13) Physics |  |
| ② Political Sci |  |             |   |
| ③ English       |  |             |   |
| ④ Marathi       |  |             |   |
| ⑤ History       |  |             |   |
| ⑥ Economics     |  |             |   |
| ⑦ Commerce      |  |             |   |
| ⑧ Geography     |  |             |   |
| ⑨ Mathematics   |  |             |   |
| ⑩ Botany        |  |             |   |
| 11) Electronics |  |             |   |
| 12) Zoology     |  |             |   |





Founder



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**INCUBATION CENTRE**

Centre for Innovation, Incubation and Enterprise (CIIE)

Academic Year - 2020-21

**Notice**

**Date: 08/10/2020**

Centre for Innovation, Incubation and Enterprise (CIIE) meeting is scheduled on 12/10/2020. Hence all the members of CIIE of our college are requested to attend the meeting without fail.

**Agenda:**

1. Welcome address by Principal
2. To review the guidelines of National Innovation and Startup Policy given by Ministry of Education and discuss among the committee members.
3. Review of thrust areas identified for short- and long-term plans of activities and to circulate among the stakeholders.
4. Vote of Thanks.

Sr.No.	Name of the Coordinators / Members	Position assigned CIIE	Contact Number
1.	Dr. C.G. Dighavkar	Principal & Chairman	9423925523
2.	Dr. Resham Bhalla	Coordinator	7588133244
3.	Dr. Vinit H Rakibe	Convenor	9421286431
4.	Mr. Ganesh Patil	Student Representative	9422931410
5.	Mr. Sachin Jadhav	Student Representative	7350793581
6.	Mr. Sachin Pandurang Waghmare	Student Representative	9422100669
7.	Mr. Mayuresh Bhalchandra Agnihotri	Student Representative	9405222625
8.	Mr. Sachin Pandurang Kadam	Student Representative	8055838641
9.	Kanagha Muthu Yadav	Student Representative	9637124783

**Dr. Resham Bhalla**  
Coordinator, (CIIE)



**Dr. C.G. Dighavkar**  
Principal  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik - 3

Founder



Karmaveer Bhausaheb Hiray

Mahatma Gandhi Vidyamandir's

## Loknete Vyankatrao Hiray Arts, Science & Commerce College

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### INCUBATION CENTRE

#### Centre for Innovation, Incubation and Enterprise (CIIE)

Academic Year - 2020-21

#### Minutes of the Meeting

Date: 12/10/2020

The committee meeting of Centre for Innovation, Incubation and Enterprise (CIIE) is conducted on 12/10/2020 at 10.30 am. The minutes of the meeting is given below.

1. Innovation and Incubation policy is formulated by the stakeholders from various fields towards fulfilling the objectives for enabling an innovation and entrepreneurial ecosystem.
2. In this context, a committee is constituted in to formulate detailed guidelines of National Innovation and Startup Policy for various aspects related to innovation, Startup and Entrepreneurship management.
3. The coordinator of the Centre for Innovation, Incubation and Enterprise (CIIE) motivated the committee members on various facts for initiating the innovation and Start culture in the college through a well-designed action plan under the guidelines of NISP as follows.
  - i. To contact the individuals promoting entrepreneurship and find out the interested entrepreneurs from the college.
  - ii. To arrange motivational entrepreneurial talks, with the interest to initiate novel ideas.
  - iii. To identify mini projects associated with livelihood promotional activities.
  - iv. To conduct Short Term Certificate Courses in real-time entrepreneurship
  - v. To organize programs for skill development and capacity building
  - vi. To arrange Industrial/field visits for practical experience.

The meeting was concluded with vote of thanks.

Dr. Resham Bhalla  
Coordinator, CIIE



Dr. C G Dighavkar  
Principal

Loknete Vyankatrao Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik - 3.





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**INCUBATION CENTRE**  
**Centre for Innovation, Incubation and Enterprise (CIIE)**  
**Academic Year 2021-22**  
**Notice**

**Date: 31/01/2022**

Centre for Innovation, Incubation and Enterprise (CIIE) meeting is scheduled on 31/01/2022. Hence all the members of CIIE of our college are requested to attend the meeting without fail.

**Agenda:**

1. Welcome address by Principal.
2. To conduct various innovation and entrepreneurship-related activities.
3. To identify and reward innovations and share success stories.
4. To Organize Webinar, Workshop, Competition, etc. with the involvement of Experts from different fields.
5. To organize LVH Innofest 2022
6. Vote of thanks.

Sr. No.	Name of the Coordinators / Members	Position assigned CIIE	Contact Number
1.	Dr. B S Jagdale	Principal & Chairman	7887899985
2.	Dr. V R Nikam	Coordinator	9325111151
3.	Dr. Vinit Rakibe	Convenor	9421286431
4.	Ms. Sakshi Subhash Salve	Student Representative	9922247902
5.	Mr. Udit Mahendra Rai	Student Representative	8770224982
6.	Ms. Madhvi Thakur	Student Representative	9284090191
7.	Mr. Sachin Kadam	Student Representative	8055838641
8.	Ms. Prerna Vijay Bhatiya	Student Representative	9975029901
9.	Ms. Megha Dilip Bhamare	Student Representative	9765267673
10.	Ms. Vaishnavi Jayant Patil	Student Representative	8624868749
11.	Ms. Devyani Vilas Pawar	Student Representative	9423924803

Dr. V.R. Nikam  
Coordinator, (CIIE)



Dr. B.S. Jagdale  
**Principal**  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik - 3.



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**INCUBATION CENTRE**  
**Centre for Innovation, Incubation and Enterprise (CIIE)**  
**Academic Year 2021-22**  
**Minutes of the Meeting**

**Date: 31/01/2022**

The committee meeting of Centre for Innovation and Incubation Enterprise (CIIE) is conducted on 31/01/2022 at 10.30 am. The minutes of the meeting is given below.

1. The LVH Innofest 2022 will be organized on 24<sup>th</sup> April 2022.
2. The committee will be formulated for carrying out the LVH INNOFEST 2022.
3. In this event, all the Bonafide Graduates, Post Graduates and Research Students of all faculties of Science and Technology, Engineering, Commerce and Management, Humanities, and Interdisciplinary Stream of University Department and all Senior Colleges / Institutes affiliated to SPPU, Pune can take part in the Exhibition of Projects/ Posters competition being organized in our college on 24<sup>th</sup> April 2022.
4. The Theme for this INNOFEST 2022 is specified.



**Dr. V.R. Nikam**  
**Coordinator,**

**INCUBATION CENTRE**

**Centre for Innovation, Incubation and Enterprise (CIIE)**





Founder



Karmaveer Bhausaheb Hiray

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**INCUBATION CENTRE**  
**Centre for Innovation, Incubation and Enterprise (CIIE)**  
**Academic Year 2021-22**  
**NOTICE**

Ref.NO.: LVH/ 2021-22/16

Date : 16/02/2022

To  
Dr. V. R. Nikam,  
Dept. of Mathematics,  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik 3.

**Subject: Appointment as a Coordinator of INNOFEST - 2022.**

As per the decision by the MGVM Management, from this academic year Loknete Vyankatrao Hiray Arts, Science & Commerce College under Centre for Innovation, Incubation and Enterprise (CIIE) is organizing INNOFEST - 2022, innovation-based state level project competition. You have been appointed as a Coordinator for the same you are supposed to conduct this activity and submit the report of the same.

Sr. No.	Name	Designation
1	Dr. V. R. Nikam	Co-ordinator
2	Prof. Dr. Resham Bhalla	Convenor
3	Dr. R. V. Patil	Co-convenor
4	Dr. V. A. Adole	Co-convenor
5	Prof. Dr. S. B. Shisode	Member
6	Dr. Kaveri B. Bhamare	Member
7	Mr. A. B. Patil	Member
8	Mr. Ravi Wagchaure	Member
9	Mrs. Nutan Sadgir	Member
10	Dr. A. V. More	Member
11	Mr. D. K. Kannor	Member



(Dr. B.S. Jagdale)

**Principal**

Loknete Vyankatrao Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik - 422003



**INCUBATION CENTRE**  
**Centre for Innovation, Incubation and Enterprise (CIIE)**  
**Academic Year 2021-22**  
**Report of LVH INNOFEST-22**

Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray, Arts Science & Commerce College was established in the year 1971 and celebrating Golden Jubilee year. Therefore, on the occasion of golden jubilee year of the college, the college has organized various national and state level competitions to promote the scientific and artistic talent of the students. Loknete Vyankatrao Hiray Innofest – 2022, under Centre for Innovation, Incubation and Enterprise (CIIE) competition was conducted in 2 categories – University level posters, projects and models on 24th April 2022. This competition was organized for the students of all Senior colleges for all faculties and was in the form of project and poster competition for science and technology, commerce and management, Humanities, Inter-disciplinary Faculties.

The program was inaugurated by the auspicious hands of the Vice-Chancellor of Savitribai Phule Pune University Dr. Nitin Karamalkar. Former Vice-Chancellors of Nanded and Lucknow University, Dr. S. B. Nimse, Hon. Vice-Chancellor of Balaji University, Pune, Dr. Gangadhar Shirude, Registrar, SPPU, Dr. Prafulla Pawar, Dean Science and Technology, SPPU, Dr. Manohar Chaskar, Dean Commerce and Management, SPPU, Dr. Parag Kalkar, Vice President, D. Y. Patil Vidyapeeth, Pune, Dr. Anil Khedkar, Dr. Ashok Joshi consented to be the honorable guests for the inauguration of LVH INNOFEST 2022. Honourable Dr. Prashant Hiray-Secretary Mahatma Gandhi Vidyamandir presided over the inaugural programme. On this occasion, Hon. Dr. Apoorva Hiray- Coordinator MGV, Dr. V. S. More- Joint Secretary, MGV and Principal, Dr. B. S. Jagdale were also present.

The college took the initiative to start “LVH Innofest 2022” in the name of Late Loknete Vyankatrao Hiray. This innofest provided a platform to students to present their innovative ideas in science and technology, commerce and management as well as humanities and other disciplines to achieve the Sustainable Development Goals.

A variety of nations today are working within the bounds of sustainable development for a more justice, peaceful, resilient and prosperous society. Therefore, It is the responsibility of higher education institutions to contribute to the development of society and to meet new challenges. Actions are required to develop the highly educated sector to be able to develop self-empowerment. Those who are independent and self-reliant and contribute to society not only through civic duties but also through their ideas that can make life livable for the common man.

For this purpose, Loknete Vyankatrao Hiray Mahavidyalaya organized Innofest-2022. There was a great turnout for the competition. 460 students came up with new ideas. Projects that can prove to be useful to the upcoming future generations addressed issues such as alternate sources of energy, water management, transportation, sewage management, solid waste management, aviation, power and quality of human life where innovations can be used in future generations. Total Cash Prizes of Rs. 51,000/- was given to the winners.



Shubham Ashok Bhosle and team won the first prize of Rs. 11000 and trophy in project category in the senior college. Garima D. Salunke and team won award of Rs. 7000/- and Deore Shreya Vinod and team won award of Rs. 5000/- for the second and third position respectively. In campaign with poster presentation, Khan Rehana and team won the first prize of Rs. 7100/- while Sawant Prachi Rajesh and team won prize of Rs. 5100/- and Masam Narshihlal Vasami and team won prize of Rs. 2100/- for second and third position respectively.

In all Faculty Projects', Ahire Shubham Vijay and team won first prize of Rs. 3100/- While Pritam Patkar and team won Rs. 2100/-, Pawar Devyani Vilas and team won Rs. 1100/- and Mrunal Mote and team won Rs. 500/- for second, third and fourth position respectively. In the 'Science and Technology Poster Presentation' category, Khan Rehana and team won the first prize of Rs. 1500/- while Khan Rukhsana Rs. 1100/-, Rutika Mahavir Rs. 700/-, Janahvi Chavan Rs. 500/- and their teams won second, third and fourth place respectively. For Commerce and Management, Humanities and Interdisciplinary poster presentation category, Masam Narshihlal Vasani won the first prize of Rs. 1500/- while Kumkum Pandey Rs. 1100/-, Siddhi Vinod Wankhede Rs. 700/- and their teams won second and third place respectively.

Also, the students of Junior from organizing Unit take the part in the competitions. In the Project and poster presentation category, Devendra Hiranman Wagh and his team won the first prize of Rs. 1000/-. While Aatish Santosh Sasane Rs. 700/-, Manoj Vijay Sonde Rs. 500/- and their teams won second and third place respectively. Pallavi Bhise received the first prize of Rs. 700/- While Vaibhav Gadhe Rs. 500/-, Vaishnavi Kale Rs. 400/- and their teams won second and third place respectively.

The prize distribution ceremony concluded under the chairmanship of Joint Secretary, Mahatma Gandhi Vidyamandir, Dr. V S More and former vice-chancellor of Nanded and Lucknow University Dr. S. B. Nimse and prizes were distributed by their auspicious hands.

On this occasion, Dr. Nimse expressed his opinion that in the current education system, it is the need of the hour for teachers to impart the required knowledge to the students and create a competent youth for tomorrow.

On the occasion of prize distribution ceremony principal of the college Dr. B S Jagdale welcome the dignitaries on the dais and presented the brief report of Institution. While the coordinator Dr. V. R. Nikam presented the Report of the program LVH INNOFEST 2022.

Dr. Rakesh Patil gave the brief introduction of the honorable guests and also anchored the session and Dr. Resham Bhalla proposed vote of thanks. Coordinator Dr. V. R. Nikam, IQAC Coordinator Dr. Mrunal Bharadwaj, Dr. Vinit Rakibe, Dr. Santosh Chobe, Dr. S D Patil, all teaching and non- teaching staff worked hard for the success of the program. The program was attended by a large number of journalists, teachers, non- teaching staff, students and Participant students.







**Inauguration of LVH INNOFEST 2022 by the auspicious hands of Vice - Chancellor SPPU, Prof. Dr. Nitin Karmalkar and other dignitaries.**



**Group Photo of winners of LVH INNOFEST 2022 along with the Chief Guest Prof. Dr. Nimse, Hon. Vice-Chancellor of Balaji, University, Pune.**



  
Dr. V R Nikam

**Coordinator, LVH InnoFest -2022  
INCUBATION CENTRE**

**Centre for Innovation, Incubation and Enterprise (CIIE)**



Founder



Karmaveer Bhausaheb Hiray

Mahatma Gandhi Vidyamandir's  
**Loknete Vyankatrao Hiray**  
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Best College Award 2017 (S.P. Pune University)

Ref. No. LVH/2023-24/06

Date: 27/03/2023

To

Prof. Dr. Resham Bhalla,

Department of Zoology,

Loknete Vyankatrao Hiray Arts, Science & Commerce College Panchavati, Nashik-3

**Subject: Appointment as Coordinator, LVH INNOFEST 2023**

As per the decision of Mahatma Gandhi Vidyamandir, the Loknete Vyankatrao Hiray Arts, Science & Commerce College Panchavati, Nashik-3 is organizing LVH INNOFEST 2023, on 24<sup>th</sup> April 2023, the Innovation based state level project competition. You are appointed as coordinator for the same and suppose to conduct the activity and submit the report. The committee is constituted as follows:

Sr. No.	Name	Designation
1.	Dr. B S Jagdale	Convenor
2.	Prof. Dr. Resham Bhalla	Coordinator
3.	Dr. Nutan V Sadgir	Co-Coordinator
4.	Dr. Agnes J Kharat	Member
5.	Dr. Roopali Deore	Member
6.	Mr. Ravi waghchoure	Member
7.	Mrs. Hemlata Bhadane	Member
8.	Mrs. C K Nerkar	Member
9.	Ms. Vaishnavi Motkari	Member
10.	Ms. Aliya Shaikh	Member
11.	Ms. Kirti Verma	Member
12.	Ms. Shital Shinde	Member
13.	Ms. Sayali Magar	Member
14.	Ms. Kavita Pingale	Member
15.	Ms. Komal Jagzap	Member
16.	Ms. Kirti Jadhav	Member



Dr. B S Jagdale  
**Principal**



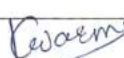
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik - 3.

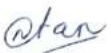



# NOTICE

Date 04/04/2023

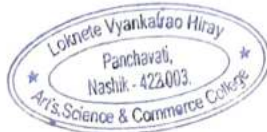
As per the decision of Mahatma Gandhi Vidyamandir, the Loknete Vyankatrao Hiray Arts, Science & Commerce College Panchavati, Nashik-3 is organizing LVH INNOFEST 2023, on 24<sup>th</sup> April 2023, the Innovation based state level project competition. The committee is constituted as follows and for the same the meeting is organized in the Principal Cabin on 04/04/2023 at 3 pm. All the members are requested to attend the same.

Sr. No.	Name	Designation	Signature
1.	Dr. B S Jagdale	Convenor	
2.	Prof. Dr. Resham Bhalla	Coordinator	
3.	Dr. Nutan V Sadgir	Co-Coordinator	
4.	Dr. Agnes J Kharat	Member	
5.	Dr. Roopali Deore	Member	
6.	Mr. Ravi wagchoure	Member	
7.	Mrs. Hemlata Bhadane	Member	
8.	Mrs. C K Nerkar	Member	
9.	Ms. Vaishnavi Motkari	Member	
10.	Ms. Aliya Shaikh	Member	
11.	Ms. Kirti Verma	Member	
12.	Ms. Shital Shinde	Member	
13.	Ms. Sayali Magar	Member	
14.	Ms. Savita Pingale	Member	
15.	Ms. Komal Jagzap	Member	
16.	Ms. Kirti Jadhav	Member	

  
Dr. Nutan V Sadgir  
Co-Coordinator

  
Prof. Dr. Resham Bhalla  
Coordinator

  
Dr. B S Jagdale  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik-3





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**Workshops/seminars/conferences including on  
Research Methodology,  
Intellectual Property Rights (IPR) and  
entrepreneurship conducted  
during the last five years**

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**Workshops/seminars/conferences including on Research Methodology,  
Intellectual Property Rights (IPR) and entrepreneurship conducted  
during the last five years**

<b>Year</b>	<b>Name of the workshop/ seminar/ conference</b>	<b>Number of Participants</b>	<b>Date From – To</b>
2021-22	Workshop on Research Methodology	150	25-06-2021 to 29-06-2021
2021-22	Webinar on Intellectual property right	140	23-10-2021
2021-22	Workshop on Research Methodology	72	03-03-2022
2021-22	National Level Webinar on “Intellectual Property Rights”	40	23-02-2022
2021-22	Five-day National Level online lecture Series on Research Methodology in English language and Literature	118	25-10-2021 to 29-10-2021
2021-22	Fundamentals of Intellectual Property Rights	171	27-08 2021
2021-22	Research Methodology	45	17-02-2022
2021-22	Webinar on Adoption and Implementation of MOOC Swayam Courses- An Institutional Perspective	137	18-08-2021
2021-22	“Awareness on Intellectual Property rights, Patents in Aspiring Minds”	206	24-03-2022
2021-22	Workshop on Research Methodology	74	18-04-2022
2021-22	Online Competency Building Programme on Research Methodology	110	26-10-21 to 30- 10-21
2021-22	Research Methodology by Dr. Prashant Sonawane	25	12-05-2022



2021-22	Research Methodology by Dr. Shradha Raravikar	25	04-06-2022
2021-22	Webinar on n "Awareness of Financial Risk in Share Market	111	19-09-2021
2021-22	Entrepreneurship Development	114	13-10-2021
2021-22	Counseling for Entrepreneurship and Business Activities		15-03-2022
2020-21	Webinar on Research Methodology	61	22-05-2021
2020-21	A One Day Online Workshop on Intellectual Property Rights and Geographical Indications – GI	82	26-05-2021
2020-21	Conceptual understanding of patents and copyrights	110	20-05-2020
2019-20	Workshop on Research Methodology	29	04-01-2019 to 13-01-2019
2018-19	How to file patent	87	28-02-2019
2018-19	State Level Conference on Research Methodology	114	30-01-2019 To 31-01-2019
2017-18	Workshop on Research Methodology	24	15-09-2017



  
**PRINCIPAL**  
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 Arts, Science & Commerce College,  
 Panchavati, Nashik - 422 003.



Founder



Karmaveer Bhausaheb Hiray

Mahatma Gandhi Vidyamandir's

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## **List of Patents filed/granted**

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## List of Patents filed/granted

Department	Name of the Teacher	Title of the Patents/ Copyrights/Trademark
Zoology	Dr. Rekha S Bhadane	Smart Fishing Apparatus
Zoology	Dr. Sunil D Patil	Mango Stem Borer Intelligent Device
Zoology	Prof. Dr. Resham bhalla	Machine Learning Based Model to predict the Characteristics of Next generation Based on DNA sequences.
Chemistry	Prof. Dr. K.H. Kapadnis &Dr. Anita Parshram Patil	Method for preparation of Perovskite MN <sub>2</sub> CEO <sub>6</sub> Nanoparticles
Chemistry	Dr. B.S. Jagdale,,Dr.T.B.Pawar,Dr.V.A.Adole	Synthesis of Novel compound (E)-4-(2-(2-(1,2,6,7-tetrahydro-8H indeno[5,4-b]furan-8-ylidene)hydrazineyl)thiazol-4-yl)benzonitri
Chemistry	Dr. Santosh S Chobe	The influence of silver- nitrate and silver- nano particles on the creation of biofilms- in-staphylococcus- aureus
Chemistry	Dr. Santosh S Chobe	Synthesis and studying the optical parameters of polyvinyl pyrrolidone /sic nanoparticles
Chemistry	Dr. Santosh S Chobe	Biogenic gold and silver nanoparticles in the degradation of aromatic nitro compounds
Chemistry	Dr. Santosh S Chobe	Strategy for self –cleaning solar panel
Chemistry	Dr. Santosh S Chobe	A machine learning based approach analyze the characteristics of various nano materials for understanding their molecular aspects
Chemistry	Dr. Santosh S Chobe	A new green synthesis and characterization of silver- Nanoparticles
Mathematics	Dr. V. R. Nikam	Design wearable sensors to provide health care notifications using IoT Based
Commerce	Dr. Arti Chudamanrao Lokhande	Human Resource Development Practices and Employee Productivity in the Banking Sector
Commerce	Dr. Ashutosh V More	Impact on investment pattern with special reference to small and medium capitalization companies

Psychology	Prof. Dr. Mrunal A Bhardwaj & Jaimala A Sode	Psychological Tool Shopping Addiction Scale (SAS)
Psychology	Prof. Dr. Mrunal A Bhardwaj & Jaimala A Sode	Psychological Tool Specific Phobia Scale
Economics	Prof. Dr. N. N. Gadhe	The Role of Small and Medium Enterprises in Revamping the Indian Economy



  
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# **Green Chemistry Reactions and Photocatalysis**

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# Innovations/Innovative practices in Chemistry Research

Designed and developed indigenous *photocatalytic reactor*



Fresnel lens for concentrated solar radiation



## Some innovative themes implemented in research

- Developed and adopted **green reaction routes** for the synthesis of wide range of organic compounds.
- Designed and developed newer heterocyclic compounds with promising antibacterial and antifungal activity.
- **Anti-biofilm study** of thiazole derivatives.
- Synthesized silver doped ZnO nanomaterials as powerful **antitubercular agents**.
- Synthesized nanomaterials for potential organic contaminant removal and gas sensors.
- Designed probable Gold sensing mechanism using Computational chemistry.

Exploration of catalytic performance of nano-La<sub>2</sub>O<sub>3</sub> as an efficient catalyst for dihydropyrimidinone/thione synthesis and gas sensing

[Vishnu Ashok Adole](#) ✉, [Thansing Bhavsing Pawar](#), [Prashant Bhimrao Koli](#) & [Bapu Sonu Jagdale](#)

*Journal of Nanostructure in Chemistry* **9**, 61–76 (2019) | [Cite this article](#)

2550 Accesses | 43 Citations | [Metrics](#)

Nanocrystalline-modified nickel ferrite films: an effective sensor for industrial and environmental gas pollutant detection

[Prashant Bhimrao Koli](#) ✉, [Kailas Haribhau Kapadnis](#) & [Uday Gangadhar Deshpande](#)

*Journal of Nanostructure in Chemistry* **9**, 95–110 (2019) | [Cite this article](#)


Letter Article

Polyethylene Glycol-400 Prompted an Efficient Synthesis of Thienyl Pyrazolo[1,5-a] Pyrimidines as Microbial Inhibitors

Author(s): [Shankaraiah G. Konda](#) , [Santosh S. Chobe](#) , [Amit Kumar N. Gosar](#) , [Bailram S. Hote](#) , and [Gajanan G. Mandawad](#) 

Volume 19, Issue 6, 2022

Designing of screen-printed stannous oxide (SnO<sub>2</sub>) thick film sensors modified by cobalt and nitrogen elements for sensing some toxic gases and volatile organic compounds


[Satish Arvind Ahire](#) <sup>a b</sup>  ✉, [Prashant Bhimrao Koli](#) <sup>b c</sup>, [Arun Vitthal Patil](#) <sup>b d</sup>, [Bapu Sonu Jagdale](#) <sup>a b</sup>, [Ashwini Ashok Bachhav](#) <sup>b e</sup>, [Thansing Bhavsing Pawar](#) <sup>a b</sup>

PEG-mediated synthesis, antibacterial, antifungal and antioxidant studies of some new 1,3,5-trisubstituted 2-pyrazolines

[Sunil L. Dhonnar](#) ✉, [Bapu S. Jagdale](#), [Vishnu A. Adole](#) & [Nutan V. Sadgir](#)

*Molecular Diversity* (2022) | [Cite this article](#)

Synthesis, spectral analysis, antibacterial, antifungal, antioxidant and hemolytic activity studies of some new 2,5-disubstituted-1,3,4-oxadiazoles

[Sunil L. Dhonnar](#) <sup>a</sup>  ✉, [Rahul A. More](#) <sup>b</sup>, [Vishnu A. Adole](#) <sup>c</sup>, [Bapu S. Jagdale](#) <sup>a</sup>, [Nutan V. Sadgir](#) <sup>a</sup>, [Santosh S. Chobe](#) <sup>a</sup>





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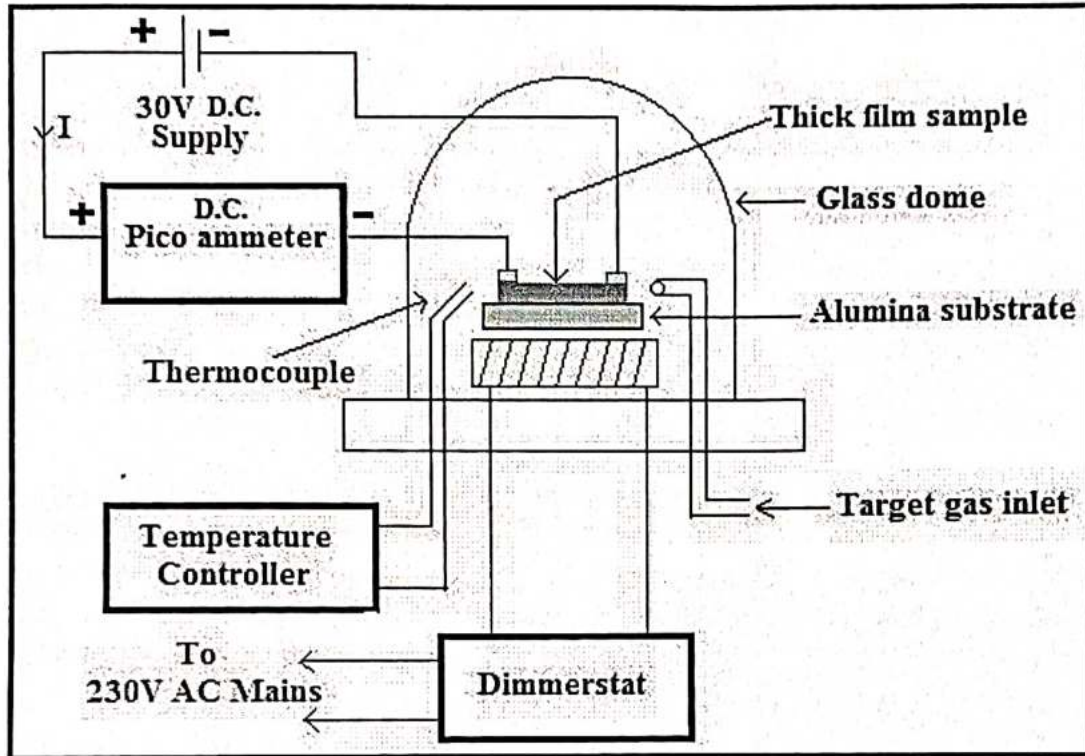
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# Gas Sensor

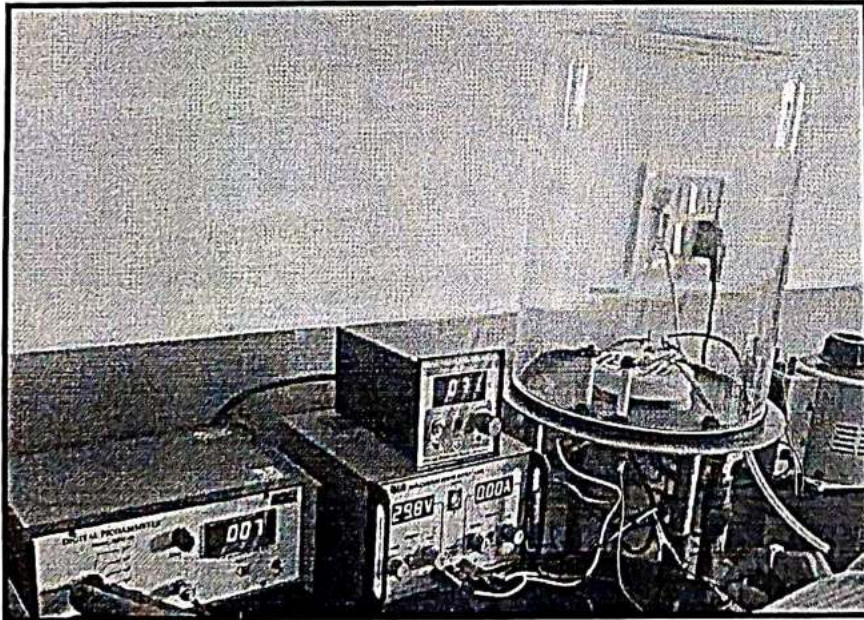
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## GAS SENSOR DETAILS

Standard methods and instruments always used to characterize the fabricated thick films as a gas sensors. Investigation of the electrical, and gas sensing properties of fabricated thick films is done using a homemade static gas sensing system indigenous developed by research scholars in our research laboratory as shown below.



Schematic of Static Gas Sensing System for study of Electrical and Gas sensing properties of thick films



Photograph of Homemade Static Gas Sensing System for thick films characterization



## Working:

The figure shows the static method for evaluating the efficiency of test gases. It consists of a known-volume glass chamber that encloses the fabricated thick films, a Cr-Al thermocouple, and an electrical heater. They link to the system's base plate through different ports. External electrical interfaces to a voltmeter, digital thermometer, and dimmer stat are possible via these ports. A microsyringe is used to inject a known volume of test gas into the chamber via a gas inlet port. By passing a current through a dimmer stat, the fabricated thick films are heated by an electrical heater.

Measurement of the temperature across the fabricated thick films is done using the thermocouple output. In the presence of ambient air, measurement of the resistance of fabricated thick/thin films using the voltage divider method, and then in the presence of target gases at different concentrations and operative temperatures is done. The voltage is calculated using a digital multimeter across a standard resistor and a regulated D.C. power supply (+30 VDC, 1A) in series with a standard resistance of 10 M  $\Omega$ . The film is steadily warmed up to avoid thermal runaway. During the cooling (decreasing temperature) time for the chosen temperature intervals, the voltage across the standard high resistance is measured. Removal of the chamber after each cycle of readings allows the fabricated thick films to come into contact with the air.

## Electrical characterization

The electrical behavior of fabricated thick films investigation is done for core electrical parameters including resistance, resistivity, temperature coefficient of resistance (TCR), and activation energies at the high and low temperature regions.

- **Resistivity ( $\rho$ )-** We know that,  $R = \rho (l/A)$  ohm,

$$\text{Therefore } \rho = (R \times b \times t) / l \text{ ohm-m}$$

Where,  $l$  = length of the thick film resistor

$A$  = cross sectional area of the film resistor

$\rho$  = resistivity of thick film resistor

- **Temperature coefficient of resistance (TCR)-**

$$\text{TCR} = (1/R_0) \times (\Delta R / \Delta T) \text{ per } ^\circ\text{C}$$

Where,  $\Delta R$  = change in resistance between temperature  $T_1$  and  $T_2$

$\Delta T$  = temperature difference between  $T_1$  and  $T$

$R_0$  = Initial resistance of the film sample

- **Activation energy ( $\Delta E$ )**

It is calculated from Arrhenius plot using the relation  $R = R_0 e^{\Delta E / KT}$

Where  $R_0$  = the constant,

$\Delta E$  = the activation energy of the electron transport in the conduction band,

$K$  = Boltzman constant and

$T$  = Absolute temperature



## Gas sensing characterization:

- The equation gives the gas concentration (in ppm) in the chamber,

$$\text{Gas Conc. (ppm)} = \frac{\text{Known injected Volume of gas (in liters)}}{\text{Volume of the Chamber (in liters)} \times 10^{-6}}$$

Therefore 2.5ml, 5ml, 7.5ml, 12.5ml, and 25ml of gas were injected to achieve 100, 200, 300, 500, and 1000 ppm of gas concentration respectively.

- Gas Response (Sensitivity)**

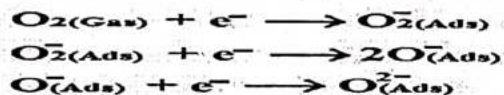
$$S = \frac{R_a - R_g}{R_a}$$

Where,  $R_a$  - resistance of a thick film sensor in the air

$R_g$  - resistance of a sensor in the gas

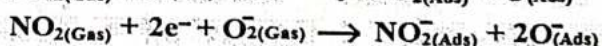
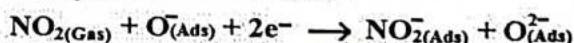
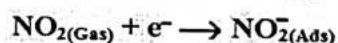
- % Selectivity factor =  $(S_{\text{gas}} / S_{\text{target gas}}) \times 100 \%$
- Measurement of response and recovery time.

## Example: NO<sub>2</sub> gas sensing mechanism



- Higher electronic affinity of oxygen causes changes in atmosphere adsorbed oxygen.
- The adsorbed oxygen on the surface of metal oxide captures electrons from the surface molecules and gets converted into  $\text{O}_2^-(\text{Ads})$ ,  $\text{O}^-(\text{Ads})$ , and  $\text{O}^{2-}(\text{Ads})$  where, the suffix Ads stands for adsorbed elements.
- All these interactions are temperature dependent.
- The physical and chemical interactions between the adsorb and film material changes the charge carriers causing changes in electrical and gas sensing properties.

The following reactions show the interaction of nitrogen dioxide and oxygen,

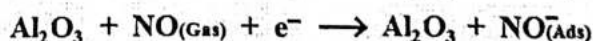
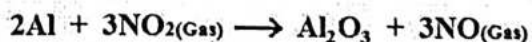


The following reaction can explain the adsorption of nitrogen dioxide at the metal oxide surface,



The NO<sub>2</sub> molecule can also interact with the doped (surface/interstitial) Al and cause its own desorption as follows,

The rate of adsorption determines the recovery time of the thick film sensor.





## Keeping the gas concentration at a ppm level:

The gas-sensing properties of fabricated thick/thin films studied using a locally developed gas system that used to inject the selected gases, such as Ammonia (NH<sub>3</sub>), Nitrogen Dioxide (NO<sub>2</sub>), Liquefied Petroleum Gas (LPG), and Ethanol (CH<sub>3</sub>CH<sub>2</sub>OH) gases.

The gas concentration maintained by inserting a proven volume of gas into the enclosed bell-jar. A known amount of gas (volume 15 liters) injected into the enclosed bell-jar using a conventional hypodermic syringe at air pressure to maintain the gas concentration. Following equation is used to calculate the gas concentration (in ppm) in the enclosed bell-jar.

$$\text{Gas Conc. (ppm)} = \frac{\text{Known injected volume of gas (in liters)}}{\text{Volume of the chamber (in liters)} \times 10^{-6}}$$

Table : Gas concentration in ppm

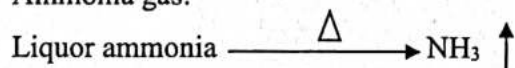
Sr. No.	Gas concentration (ppm)	Volume of Syringe (ml)
1	100	2.5
2	200	5
3	300	7.5
4	500	12.5
5	1000	25

As shown in Table, 2.5, 5, 7.5, 12.5, and 25ml of gas injection is done in the enclosed bell-jar to achieve gas concentrations of 100, 200, 300, 500, and 1000 ppm respectively.

## Selected gases preparation:

The selected gases for the current research work are Ammonia (NH<sub>3</sub>), Nitrogen Dioxide (NO<sub>2</sub>), Liquefied Petroleum Gas (LPG), and Ethanol (CH<sub>3</sub>CH<sub>2</sub>OH). Commercial cylinders of liquefied petroleum gas (LPG) is used available in the market. LPG gas that is readily available was used in this experiment. In the laboratory, chemical reactions used to form ammonia, nitrogen dioxide, and ethanol gases. The NH<sub>3</sub> and CH<sub>3</sub>CH<sub>2</sub>OH gases' source material is available in liquor form, which provides enough heat for both gas vapors to be formed. Both gases are detected by the vapours used in gas sensing purpose. The NO<sub>2</sub> gas preparation is done using concentrate hydrochloric acid and sticks of copper.

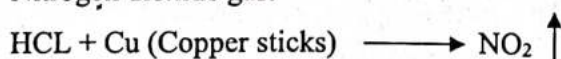
1. Ammonia gas:




2. Ethanol gas:



3. Nitrogen dioxide gas:



  
Head  
Department of Electronic Science  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.



Founder



Karmaveer Bhausaheb Hiray

Mahatma Gandhi Vidyamandir's

## **Loknete Vyankatrao Hiray Arts, Science & Commerce College**

Affiliated to S.P.P. Uni., Pune Id. No. PU/NS/ASC/018 [1971]

Website : [www.lvhcollege.com](http://www.lvhcollege.com) e-mail : [lvhcollege@gmail.com](mailto:lvhcollege@gmail.com)

Re-Accredited by NAAC with 'A' Grade  
Best College Award 2017 (S.P. Pune University)

# **Automatic Hand Sanitizer**

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Mahatma Gandhi Vidyamandir's  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College**  
Panchavati, Nashik-422003  
**DEPARTMENT OF ELECTRONIC SCIENCE**

**AUTOMATIC HAND SANITIZER DISPANSER MACHINE**

[Project based as per the need of COVID-19 Pandemic Situation]



Designed and Manufactured by

- 1) **Mr. Kadam Sachin Pandurang (M.Sc – II)**
- 2) **Mr. Vivek Kulkarni Shamrao (M.Sc – II)**

Under the Guidance of

- 1) **Dr. U. P. Shinde (Head of the Department)**
- 2) **Mr. Anil B. Patil**
- 3) **Mr. Umesh J. Tupe**

Academic Year: 2019-20

## **INTRODUCTION:**

Experts say SARS-CoV-2 originated in bats. That's also how the corona viruses behind Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS) got started. SARS-CoV-2 made the jump to humans at one of Wuhan's open-air "wet markets." They're where customers buy fresh meat and fish, including animals that are killed on the spot. Some wet markets sell wild or banned species like cobras, wild boars, and raccoon dogs. Crowded conditions can let viruses from different animals swap genes. Sometimes the virus changes so much it can start to infect and spread among people. Still, the Wuhan market didn't sell bats at the time of the outbreak. That's why early suspicion also fell on pangolins, also called scaly anteaters, which are sold illegally in some markets in China. Some corona viruses that infect pangolins are similar to SARS-CoV-2. As SARS-CoV-2 spread both inside and outside China, it infected people who have had no direct contact with animals. That meant the virus is transmitted from one human to another. It's now spreading in the U.S. and around the globe, meaning that people are unwittingly catching and passing on the corona virus. This growing worldwide transmission is creating the pandemic situation.

## **Background:**

Due to pandemic of COVID-19 the Indian Government is declared the lockdown in the month of March and still up to the end of July. During the period of lockdown we were searching and surfing on internet and YouTube we saw one of the video on sanitizer dispenser machine, then we thought that we will prepared that machine and improve that in our way . After getting an idea, we discussed with our departmental staff for guidance and suggestions. They suggested some modification as per the availability of mechanical and electronic parts in the pandemic situation and provide some electronic components required for development of electronics circuit of sanitizing machine. First we study the circuit components and start collecting needed components and then made a trail circuit, after verifying that circuit we got some functional errors in it, again we rectify those errors and the circuit is ready for proper operations.

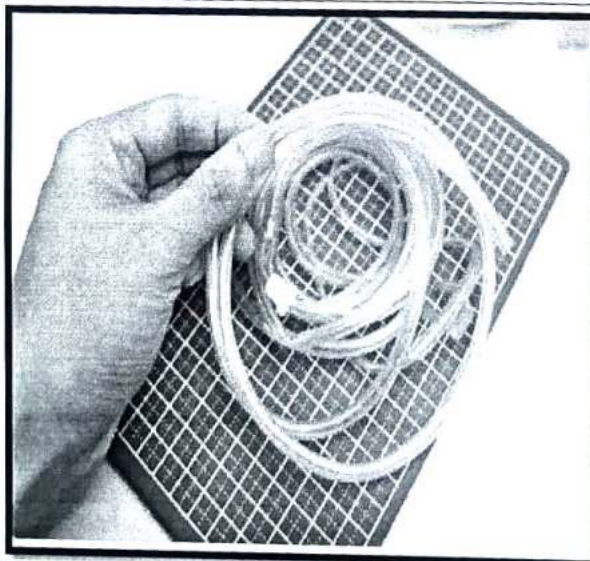
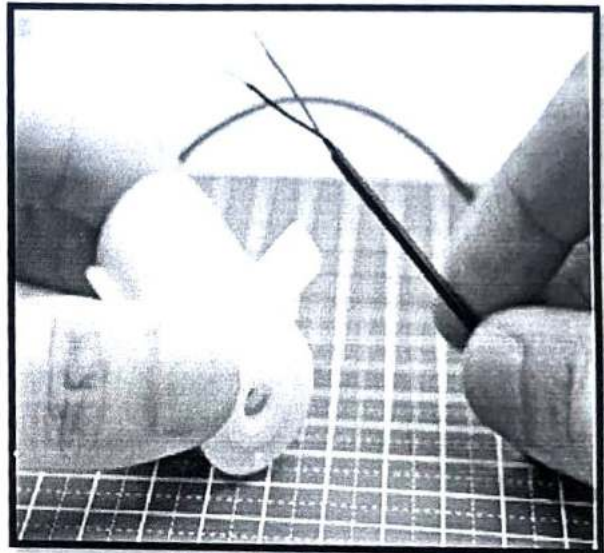
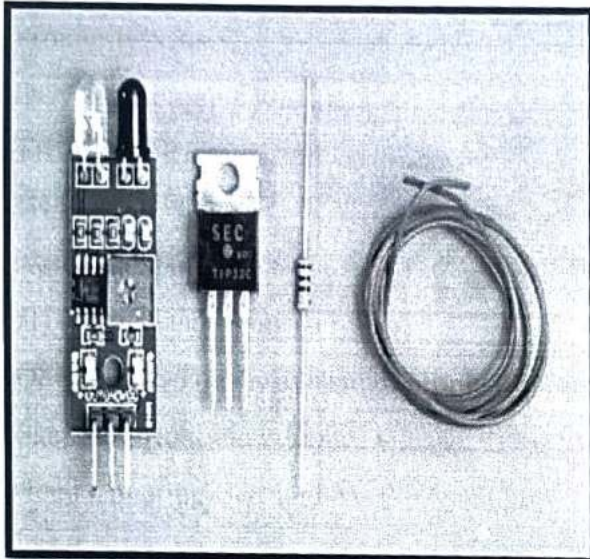
After doing some trials, the circuit works properly, and then we thought that the sanitizer machine is to be prepared for market purpose. Then as per discussion with Dr. U. P. Shinde (Head of Department), Mr. A. B. Patil and Mr. U. J. Tupe, they motivated us and helps to modify this project towards automization and commercialization. After necessary modification in this project and successful trials, demonstration of the same was done in front of college authorities for further necessary steps towards commercialization of this product.



## PROJECT DETAILS:

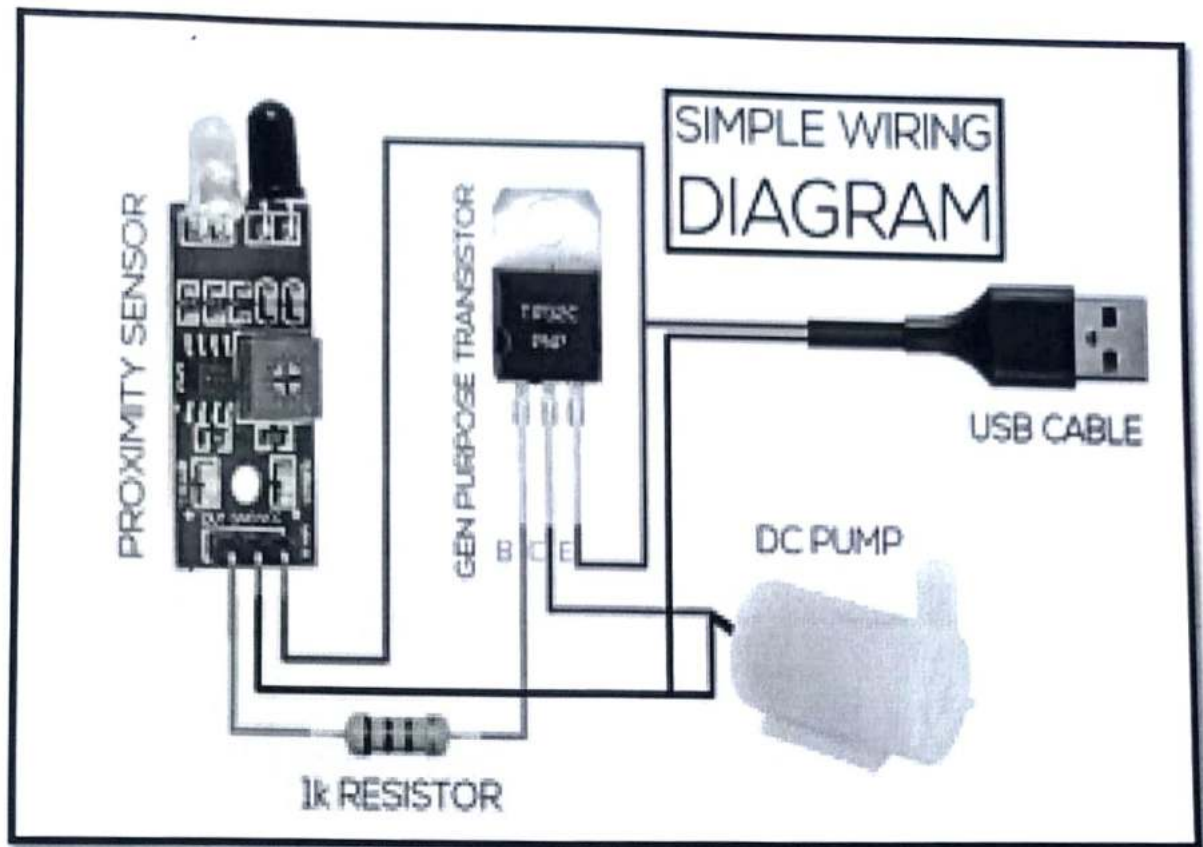
### List of Electronic hardware Parts:

- Proximity Sensor
- DC Water Pump 5V
- TIP32C PNP Transistor
- 1N4007 Diode
- Aquarium Tubing
- 5L Plastic Can / Sanitizer Can
- Old Ballpen Top / stove small nipple (0.5mm)
- Sanitizer/ Rubbing Alcohol
- Metal Covering Box and 5V Power Supply





### CIRCUIT DIAGRAM:

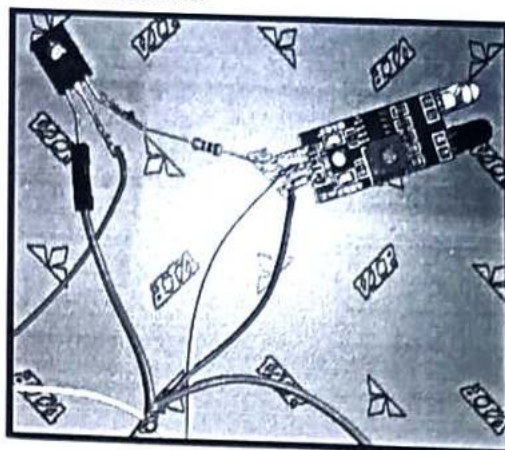
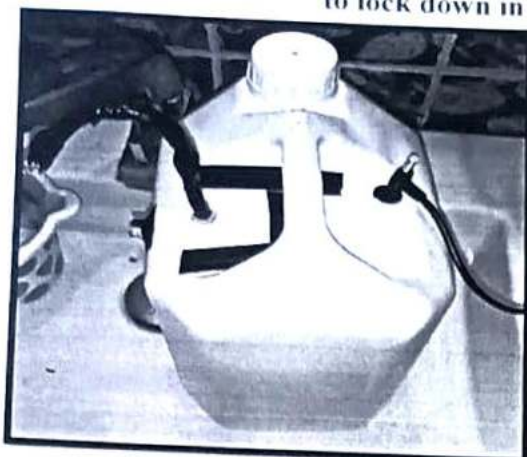


### WORKING:

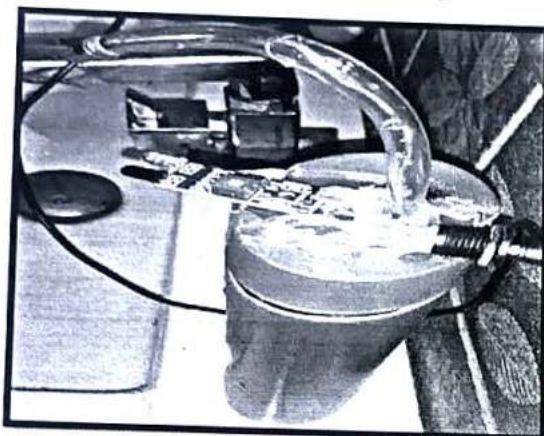
This is simple and touchless and low cost invention. Most of the parts are cheap and environmental healthy components used in this machine. This machine working is very simple, just rest your palm for 2 second in front of IR sensor, the sensor senses your hand position and takes an action to switch on the dispenser pump and that dispense the sanitizer from the sanitizer liquid can on our hands. When the hands removed, then the dispenser gets off and stops the flow of sanitizer liquid from the dispenser pump.

We make various trails by using plastic cans and shampoo bottles in this project for testing purpose only as shown in photographs in below section.

Photograph of some modification in to product as per availability of electronic parts due to lock down in pandemic situation.



Initial Stage of Homemade Hand Sanitiser



Automization stage of Hand Sanitiser using mechanical and electronic hardware parts



Final Product made available for commercialization

## PRECAUTION

- Use 70% to 80% alcohol based sanitizer only.
- Do not use the flammable alcohol or any flammable liquid in it.

*Yashwantrao*  
Head

Department of Electronic Science  
Loknete Vvankar-40 Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik - 3





Founder



Karmaveer Bhausaheb Hiray

Mahatma Gandhi Vidyamandir's

**Loknete Vyankatrao Hiray**  
**Arts, Science & Commerce College**

Affiliated to S.P.P. Uni., Pune Id. No. PU/NS/ASC/018 [1971]  
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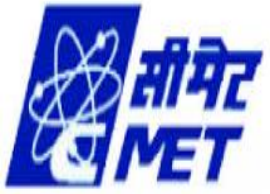
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Best College Award 2017 (S.P. Pune University)

## **C-MET Collaboration**

**“Creation of R&D Culture in Electronic Materials  
among SC/ST & Women Students from the  
Remote Areas in Maharashtra”**

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# **CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET), PUNE**

**Under the**

**Ministry of Electronics and Information Technology (MeitY), Govt. of India**


sponsored project

**“Creation of R&D Culture in Electronic Materials among SC/ST & Women Students from the  
Remote Areas in Maharashtra”**

in Collaboration with

**MGVS LOKNETE VYAANKATRAO HIRAY ARTS, SCIENCE AND COMMERCE COLLEGE,  
PANCHAVATI, NASHIK**



  
**Head**  
**Department of Chemistry**  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.

Department of Chemistry, Mahatma Gandhi Vidyamandir's, Loknete Vyankatrao Hiray Arts Science and Commerce College, Panchavati, Nashik has collaboration with the Centre for Materials for Electronics Technology (C-MET), Pune from 2020

### **Objectives:**

- To encourage the students for the research skill
- To give an opportunity to interact with the eminent scientist.
- To aware the students about the recent developments in the field of research.
- To create Research and Development Culture among students.



  
**Head**  
Department of Chemistry  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.

## **Achievements of the collaboration:**

1. Faculty and Students has participated in one day Faculty Development Programme and conferences .
2. Two students Participated in Five Days workshop (13-17 Jun 2022) organized by Center for Materials for Electronic Technology in association with Krishna Institute of Medical Sciences, Karad on "**Medical Physics, Nanomaterials and Bioelectronics used in healthcare domain**".
3. Nine students has participated in One Day Workshop on **Battery Fabrication and Modification Demonstration** held on 2nd August 2022.
4. Celebration of "**Har Ghar Tiranga**" through C-MET
5. One day Seminar on "**Perspective Of Materials In Electronics Technology**"



  
**Head**  
Department of Chemistry  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.





**Dr. SUNIT RANE**  
Scientist

**सेन्टर फॉर मेटिरियल्स फॉर इलेक्ट्रॉनिक्स टेक्नोलॉजी (सी-मेट)**

(वैज्ञानिक संस्था, इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय, भारत सरकार)

पंचवटी, ऑफिस डॉ. होमी भाभा मार्ग, पंचवटी, पुणे - ४११ ००८, भारत.

**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)**

(Scientific Society, Ministry of Electronics & Information Technology (MeitY) Govt. of India)

Panchwati, Off. Dr. Homi Bhabha Road, Pashan, Pune - 411 008, INDIA.

Tel. : +91-020-2589 8390, 2589 9273, 2589 8141

Fax : +91-020-2589 8180

Email: [sunit@cmet.gov.in](mailto:sunit@cmet.gov.in) / [sunitrane@yahoo.com](mailto:sunitrane@yahoo.com)

C-MET/PN/SP/SCST/07

24<sup>th</sup> November 2020

To,  
The Principal,  
Loknete Vyankatrao Hiray College,  
Panchwati, Nashik-422003.

**Sub:** Selection of your college students (SC/ST and Women category) for the participation in the training program---reg.

**Ref:** Your letter dated 06/10/2020.

Dear Sir,

Please refer to the above communication, we would like to inform you that based on the initial data provided by you, your college has been considered for participation in the programme entitled "Creation of R&D Culture in Electronic Materials among SC/ST and Women Students in Maharashtra" which is being implemented at C-MET, Pune.

You are requested to send the updated students data of final year BSc and MSc (1<sup>st</sup> and 2<sup>nd</sup> year if any) available students (SC and ST (both male and female category) and also women (other than SC-ST category wise) in the subjects of Physics, Chemistry and Electronics. Please also nominate one faculty member (with name and contact details) who can co-ordinate this activity at your end.

We are planning to start with online lectures/seminars/workshops for the students and well as faculties in the related category and the schedule will be shortly informed to you once received the required data from your side. Dr. Manish Shinde and Dr. Sudhir Arbutj will co-ordinate this activity from our side.

I look forward to hear from you at the earliest for the active participation of your college in the above said Programme.

With regards,



**Head**  
**Department of Chemistry**  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.

Sincerely yours,

*Sunit Rane*  
(Dr. Sunit Rane)



## **CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET), PUNE**

Organizing Lecture "Career opportunity in Research / Industry after Post graduation" on 21/12/2020

Under MeitY, Govt of India sponsored project

Creation of R&D Culture in Electronic Materials among SC/ST Students in Maharashtra

Eminent Speakers



Dr. Dhanraj Shinde  
Scientist  
(Ramalingaswami fellow)

**ABOUT C-MET:** Centre for Materials for Electronics Technology (C-MET) is R & D Institution Under Ministry of Electronics and Information Technology (MeitY), Govt. of India engaged in development of viable technologies in the area of materials mainly for electronics. The institute is pioneer in advanced electronic materials research including nanostructured materials

**ABOUT Project :** This project aims to develop research & technical skills among SC/ST and women students from remote areas of Maharashtra in the field of Electronic Materials through Awareness Programme at C-MET Pune.

### Tentative Programme

Time	Topic
11:30-11:35	Introduction about Speaker
11:35-12:30	"Career opportunity in Research / Industry after Post graduation" By Dr. Dhanraj Shinde
12:30-12:35	Vote of Thanks

Live Streaming & Zoom Weblink

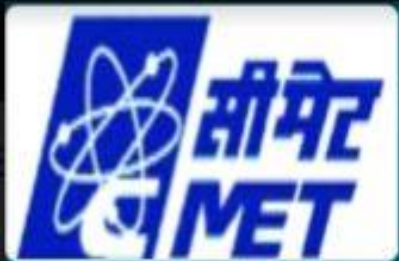


[meet.google.com/dje-yqqn-cnn](https://meet.google.com/dje-yqqn-cnn)



<https://www.youtube.com/channel/UC2H2R9M3HDa9qOAFkPm9XVg>





**Centre For Materials For Electronics  
Technology, Pune  
Under MeitY (Gov. of India)  
Sponsored Project**

Request the pleasure to Join Us for  
Lecture Series Talk On

**“ALTERNATIVE CARRIER  
OPPORTUNITY IN MATERIALS SCIENCES”**



Guest Speaker

Young Scientist

**Dr. Ravindra Phatake**

**Scientist,**

**Ben-Gurion University of Nagev,  
Israel**

**01/01/2021  
2:00 PM, IST  
FRIDAY**



**Join Virtually on our YouTube Channel**

<https://www.youtube.com/channel/UC2H2R9M3HDA9qOAFkPm9XVg>

**“EXPLORE IN SCIENCE”**

**CENTRE FOR MATERIALS FOR ELCTRONICS TECHNOLOGY  
(C-MET), PUNE**



**Under MeitY, Govt of India sponsored project**

**Creation of R&D Culture in Electronic Materials among SC/ST Students in  
Maharashtra**

**Organizes Online Lecture on 20<sup>th</sup> February 2021**

**Dr. Bharat Kale,  
(Director General (A)  
C-MET**

**Dr. Sunit Rane,  
Scientist, C-MET**

**Dr. Sudhir Arbuj  
Scientist, C-MET**

**Dr. Manish Shinde  
Scientist, C-MET**

**Dr. Govind Umarji  
Scientist, C-MET**

**Mr. R. Marimutthu  
Scientist, C-MET**

**Dr. Yogesh Sethi  
Research Fellow  
C-MET, Pune**

**Mrs. Priyanka Birla  
Research Fellow  
C-MET, Pune**

**Mr. Amol Tambe  
Research Fellow  
C-MET, Pune**

**Ms. Shubhangi Bhor  
Research Fellow  
C-MET, Pune**

**&**

**C-MET Team**

**ABOUT C-MET:** Centre for Materials for Electronics Technology (C-MET) is R &D Institution Under Ministry of Electronics and Information Technology (MeitY), Govt. of India engaged in development of viable technologies in the area of materials mainly for electronics. The institute is pioneer in advanced electronic materials research including nanostructured materials

**Eminent Speaker**



**Dr. Shrikant P. Takle  
Research Associate,  
Thermax, Pune**

**ABOUT Project** This project aims to develop research & technical skills among SC/ST and women students from remote areas of Maharashtra in the field of Electronic Materials through Awareness Programmers at C-MET Pune.

Time	Speaker	Topic
Introduction about Speaker		
11.35-12.35	Dr. Shrikant P. Takle	Applications of Chromatography & Spectroscopy Technique in Industry
Vote of Thanks		

**[Live Streaming & Zoom Weblink](#)**



<https://us02web.zoom.us/j/89979734003?pwd=emZiUDJkM3k0SEsvd0JQa2pFaHNTQT09>



<https://www.youtube.com/channel/UC2H2R9M3HDA9qOAFkPm9XVg>



International Conference on  
Multifunctional Electronic Materials & Processing (MEMP-2021)  
10<sup>th</sup> March 2021 Speaker Details

	<b>Prof. Mukund Karanjikar</b> President, Technology Holding LLC, 1515 W 2200 S, Salt Lake City UT 84119	<b>Topic :</b> Next Generation Separation Method for Rare Earths <b>Time :</b> 9:00 To 9:30 am
	<b>Prof. Holly Stretz</b> Interim Chair and Professor, Department of Chemical Engineering, Tennessee Technological University, USA	<b>Topic :</b> Synthesis of a 2D Nanoparticle Infrared Reporter, Cupronivate <b>Time :</b> 9:30 To 10:10 am
	<b>Prof. Sabine Devatour-Vinot</b> Institute Charles Gerhardt, Montpellier	<b>Topic :</b> Identification of highly proton conductive MOFs by a hybrid experimental- computational strategy <b>Time :</b> 10:30 To 11:10 am
	<b>Prof. V. N. Bhoraskar</b> (Research Professor) Sungkyunkwan University, Suwon, South Korea	<b>Topic :</b> Neutrino Energy <b>Time :</b> 11:00 To 11:40 am
	<b>Prof. Holger Throsten</b> CEO, Neutrino Energy, Germany	<b>Topic :</b> Neutrino Energy Capture <b>Time :</b> 11:40 To 12:20 pm
	<b>Prof. T. Ludwig</b> New Energy Technologies, Dorfstrasse Schönhausen, 16928 Pritzwalk, Germany	<b>Topic :</b> Neutrino foil, promising new energy technology <b>Time :</b> 12:20 To 13:00 pm
	<b>Prof. Seeram Ramakrishna</b> Professor of Mechanical Engineering & Co-director of NUS Nanoscience and Nanotechnology Initiative, NUS, Singapore. H index-159	<b>Topic :</b> Future Healthcare Technologies: Intelligent Biomaterials & Systems <b>Time :</b> 14:00 To 14:40 pm
	<b>Prof. Shweta Agarwala</b> Assistant professor at Department of	<b>Topic :</b> Printed and Bio-electronics Technology



## CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)

Scientific Society, Ministry of Electronics and Information Technology (MeitY), Govt of India

*Cordially Invites you on the occasion of*

### Annual Foundation Day – 2021 Celebration & Inauguration of MEMP-2021

(International Conference on Multifunctional Electronic Materials and their processing (MEMP-2021))

*On Monday, 8<sup>th</sup> March 2021*

**Venue**  
**Digital Platform**

  
**Shri Raji Shankar Prasad,**  
*Joint Secy Minister, Law & Justice,  
 Communications & Electronics and Information  
 Technology, Govt. of India*

  
**Shri Sanjay Dhatre,**  
*Hon'ble Minister of State for Education,  
 Communications & Electronics and Information  
 Technology, Govt. of India*

  
**Shri Ajay Prakash Sonbhosle**  
*Secretary, Ministry of Electronics &  
 Information Technology,  
 Govt. of India*

  
**Mrs. Jyoti Arora**  
*Special Secretary &  
 Financial Advisor,  
 MeitY, Govt. of India*

  
**Dr. V.K. Saravanan**  
*Member MeitY Aayng,  
 Govt. of India*

  
**Dr. Vijay Shankar Chaudhary**  
*National University,  
 Raipur*

  
**Prof. Rodney S. Ruoff**  
*Director, CMCR,  
 Republic of Korea*

Time	Programme
0900 – 0915 hr	<b>Sanjay Dhatre &amp; Deep Prasad</b>
0915-0930 hr	Welcoming Address & Sundry Matters on the Achievements of C-MET : <b>Dr. Bharat, S. Kulk, Director General (R), C-MET, Chairman, MEMP-2021</b>
0930-1000 hr	Address on the occasion of 30 <sup>th</sup> Annual Foundation Day of C-MET <b>Shri Ajay Prasad, Group Coordinator, R&amp;ES, Ministry of Electronics &amp; Information Technology (MeitY), New Delhi</b>
1000-1015 hr	Address by <b>Mrs. Jyoti Arora, Special Secretary &amp; Financial Advisor, MeitY, Govt. of India</b>
1015-1030 hr	Inaugural Address <b>Shri Ajay Prakash Sonbhosle</b> Secretary, Ministry of Electronics & Information Technology (MeitY), New Delhi
1030-1040 hr	Address by Guest of Honour <b>Dr. Vijay Shankar Chaudhary, National University, Raipur</b>
1040-1100 hr	Address by Guest of Honour <b>Dr. V.K. Saravanan, Member, MeitY Aayng</b>
1100-1120 hr	Presidential Address <b>Shri Sanjay Dhatre</b> Hon'ble Minister of State for Education, Communications, Electronics & Information Technology
1120-1140 hr	Chief Guest Address <b>Shri Raji Shankar Prasad,</b> Joint Secy Minister, Law & Justice, Communications & Electronics and Information Technology
1140 to 1145 hr	Vote of Thanks <b>Dr. Binod Prasad, Scientist B, C-MET, Pune</b>
1200 to 1300 hr	Foundation Day Dinner, <b>Prof. Rodney S. Ruoff</b> , Director, Center for Multifunctional Carbon Materials (CMCR), Republic of Korea

International Conference on  
Multifunctional Electronic Materials & Processing (MEMP-2021)  
9<sup>th</sup> March 2021 Speaker Details

	<b>Prof. A.Suman</b> Group Leader - Nanofabrication and Devices/Material Scientist Nanoscience Argonne National Laboratory, USA <b>Topic:</b> Towards developing energy-efficient electronics based on diamond <b>Time :</b> 8:20 To 9:00 am		<b>Prof. Yury Gogotsi</b> Distinguished University and Charles T. and Ruth M. Bach Professor - Material Science and Engineering, Drexel University USA. H index-171 <b>Topic:</b> Chemistry and Applications of 2D Carbides and Nitrides (MXenes) <b>Time :</b> 9:30 To 10:00 am
	<b>Dr. Michael D. Irwin</b> CTO, Hunt Pervoskide Technologies, LLC, USA. <b>Topic:</b> Derisking Metal Halide Perovskites Semiconductors for Solar PV Applications <b>Time :</b> 10:10 To 10:50 am		<b>Prof. Vinayak Dravid</b> Abraham Harris Professor of Material Science and Engineering, McCormick School of Engineering, Northwestern University, USA. <b>Topic:</b> Teaching "Old" Materials' New Tricks: Membrane- based Nanocomposites for Environmental Remediation and Circular Materials Economy. <b>Time :</b> 11:00 To 11:40 am
	<b>Prof. Douglas Macfarlane</b> Sir John Monash Distinguished Professor, School of Chemistry, Monash University Australia. H index-131 <b>Topic:</b> Sustainable H <sub>2</sub> reduction to Ammonia: First step towards a sustainable and circular Ammonia Economy. <b>Time :</b> 11:40 To 12:20 pm		<b>Prof. Stefan Adams</b> Associate Professor, Department of Materials Science and Engineering, National University of Singapore. <b>Topic:</b> Tools for accelerated design of ion conducting solids for energy storage applications <b>Time :</b> 12:20 To 13:00 pm
	<b>Prof. Animesh Jha</b> Professor of Materials Science University of Leeds, UK. Fellow of the IOP (London), Royal Society of Chemistry (UK), and Optical Society of America. He has published over 440 papers in journals and conferences. <b>Topic:</b> Q-dot Structures in Glass for Solar Energy Harvesting <b>Time :</b> 14:00 To 14:40 pm		<b>Prof. Nandish Thippeswamy</b> Process and Strategy Director at Macrochem Ltd. UK. <b>Topic:</b> Importance of Techno-Economic Analysis in projects. <b>Time :</b> 14:40 To 15:20 pm
	<b>Prof. Maya Bar-Sadan</b> Associate Professor, Department of Chemistry Ben Gurion University, ISRAEL. <b>Topic:</b> A place where everyone matters – Interfaces in functional nanostructures <b>Time :</b> 15:30 To 16:30 pm		<b>Prof. Chan-Jin Park</b> Professor, Materials Science and Engineering, Chonnam National University, South Korea. Served as a director of BK21 Center for Energy Convergence Materials, CNU. <b>Topic:</b> In-situ Composite Solid Polymer Electrolytes and their Application in All-Solid State Lithium-ion Batteries <b>Time :</b> 16:20 To 17:00 pm
	<b>Dr. Glenn Mather</b>		<b>Dr. Mashekar</b>





**Dr. SUNIT RANE**  
Scientist

सेन्टर फॉर मेटिरियल्स फॉर इलेक्ट्रॉनिक्स टेक्नोलॉजी (सी-मेट)

(वैज्ञानिक संस्था, इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय, भारत सरकार)

पंचवटी, ऑफ डॉ. होमी भाभा मार्ग, पाषाण, पुणे - ४११ ००८, भारत.

**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)**

(Scientific Society, Ministry of Electronics & Information Technology (MeitY) Govt. of India)

Panchwati, Off. Dr. Homi Bhabha Road, Pashan, Pune - 411 008, INDIA.

Tel. : +91-020-2589 8390, 2589 9273, 2589 8141

Fax : +91-020-2589 8180

Email: [sunit@cmet.gov.in](mailto:sunit@cmet.gov.in) / [sunitrane@yahoo.com](mailto:sunitrane@yahoo.com)

C-MET/PN/SP/SCST/033

10<sup>th</sup> January 2022

To,  
The Principal,  
Mahatma Gandhi Vidyamandir's, Loknete Vyankatrao Hiray  
Arts, Science and Commerce College, Panchavati, Nashik-422003

**Sub: Selection of your college students (SC/ST and Women category) for the participation in the training program**

Dear Sir,

Please refer to the above communication, we would like to inform you that based on the initial data provided by you, your college has been considered for participation in the programme entitled "Creation of R&D Culture in Electronic Materials among SC/ST and Women Students in Maharashtra" which is being implemented at C-MET, Pune.

You are requested to send the updated students data of final year B.Sc. (2<sup>nd</sup> and 3<sup>rd</sup>) and M.Sc. (1<sup>st</sup> and 2<sup>nd</sup> year if any) available students (SC and ST (both male and female category)) and also women (other than SC-ST category wise) in the subjects of Physics, Chemistry and Electronics.

We are planning to start with online lectures/seminars/workshops for the students and well as faculties in the related category and the schedule will be shortly informed to you once received the required data from your side. Dr. Manish Shinde and Dr. Sudhir Arbuji will co-ordinate this activity from our side.

I look forward to hear from you at the earliest for the active participation of your college in the above said Programme.

With regards,



**Head**  
**Department of Chemistry**  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.

Sincerely yours,

(Dr. Sunit Rane)



Under MeitY, Gov. of India sponsored project  
Creation of R&D Culture In Electronic Materials among SC/ST and  
Women Students in Maharashtra

Implemented by  
**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET), PUNE**



**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY, PUNE**

Organizes

Guest Lecture on

**PHYSICAL AND CHEMICAL PROPERTIES OF  
NANOMATERIALS**

Resource Person



**Dr. Anupa A. Kumbhar**  
Associate Professor,  
Department of  
Chemistry SPPU, Pune

**Dr. Anupa A. Kumbhar**

**Zoom Link:**

<https://us02web.zoom.us/j/84746375048?pwd=ZmU1NENuOW9TWkdLNlJYY0VwV3VXQT09>

**You Tube Link:**

<https://www.youtube.com/channel/UC2H2R9M3HDA9qOAFkPm9XVg>

**Date & Time:**

**20<sup>th</sup> January 2022**

**5:00 PM**





**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY, PUNE**

Under MeitY, Govt. of India sponsored project



**Creation of R&D Culture in Electronic Materials among SC/ST Students in Maharashtra**



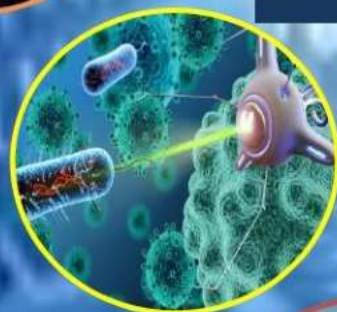
**Organizes  
A Guest Lecture on**

## **SYNTHESIS AND CHARACTERIZATION OF NANOMATERIALS**

**Resource Person**

**Dr. Smita Chaturvedi**

**Dr. Smita Chaturvedi,  
Assistant Professor,  
Interdisciplinary School of  
Science SPPU Pune**



**Date & Time:  
25<sup>th</sup> January 2022  
5:00 PM**

**Zoom Link:**

<https://us02web.zoom.us/j/81987028252?pwd=NS9teWhxT3B2eGR2dUhKU2FLWW95QT09>

**You Tube Link:**

<https://www.youtube.com/channel/UC2H2R9M3HDa9qOAFkPm9XVg>





Organizes  
A Guest Lecture On

## INTRODUCTION TO X-RAY DIFFRACTION (XRD) TECHNIQUE

Resource Person

**Dr. Sulabha Kulakarni**

INSA Fellow,  
C-MET, Pune

**Zoom Link:**

<https://us02web.zoom.us/j/81935957011?pwd=R2s3MVN3RzRCcGVzaldRYnFVbFNUUT09>

**You-Tube Link:**

<https://www.youtube.com/channel/UC2H2R9M3HDa9qOAFkPm 9XVg>

**DATE & TIME:**

**04<sup>th</sup> March 2022**

**5.00 PM**

Webinar Under Ministry of Electronics & Information Technology (MeitY), Govt. of India  
sponsored project



Creation of R&D Culture in Electronic Materials among  
SC/ST and Women Students in Maharashtra

Implemented by

CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY, PUNE



Ministry of Electronics and  
Information Technology  
Government of India



## CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY

Organises  
Guest Lecture On

### INTRODUCTION TO SCANNING ELECTRON MICROSCOPY



RESOURCE PERSON

**Dr. (Mrs.) Sudha Bhoraskar**

Emeritus Professor,  
Department of  
Physics, SPPU, Pune

Date & Time:

2<sup>nd</sup> March 2022  
5.00 PM

Zoom Link:

<https://us02web.zoom.us/j/83780160526?pwd=WGkyQXZ5TUl6VzRzQjFQeWltNkQzZz09>

You-Tube Link:

<https://www.youtube.com/channel/UC2H2R9M3HDa9qOAFkPm9XVg>





FACULTY ORIENTATION  
PROGRAMME-2022



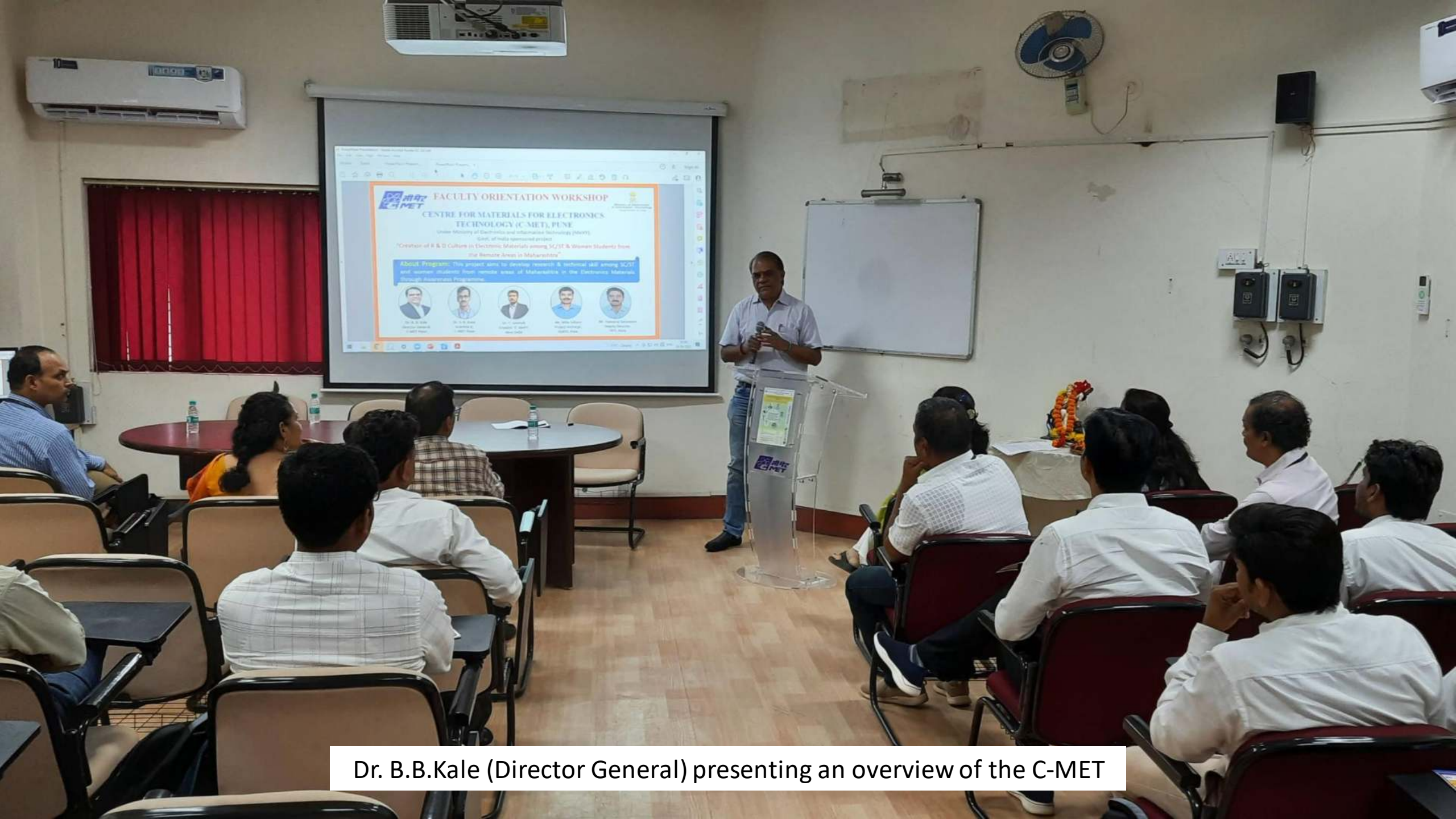
DATE: 20 MAY 2022





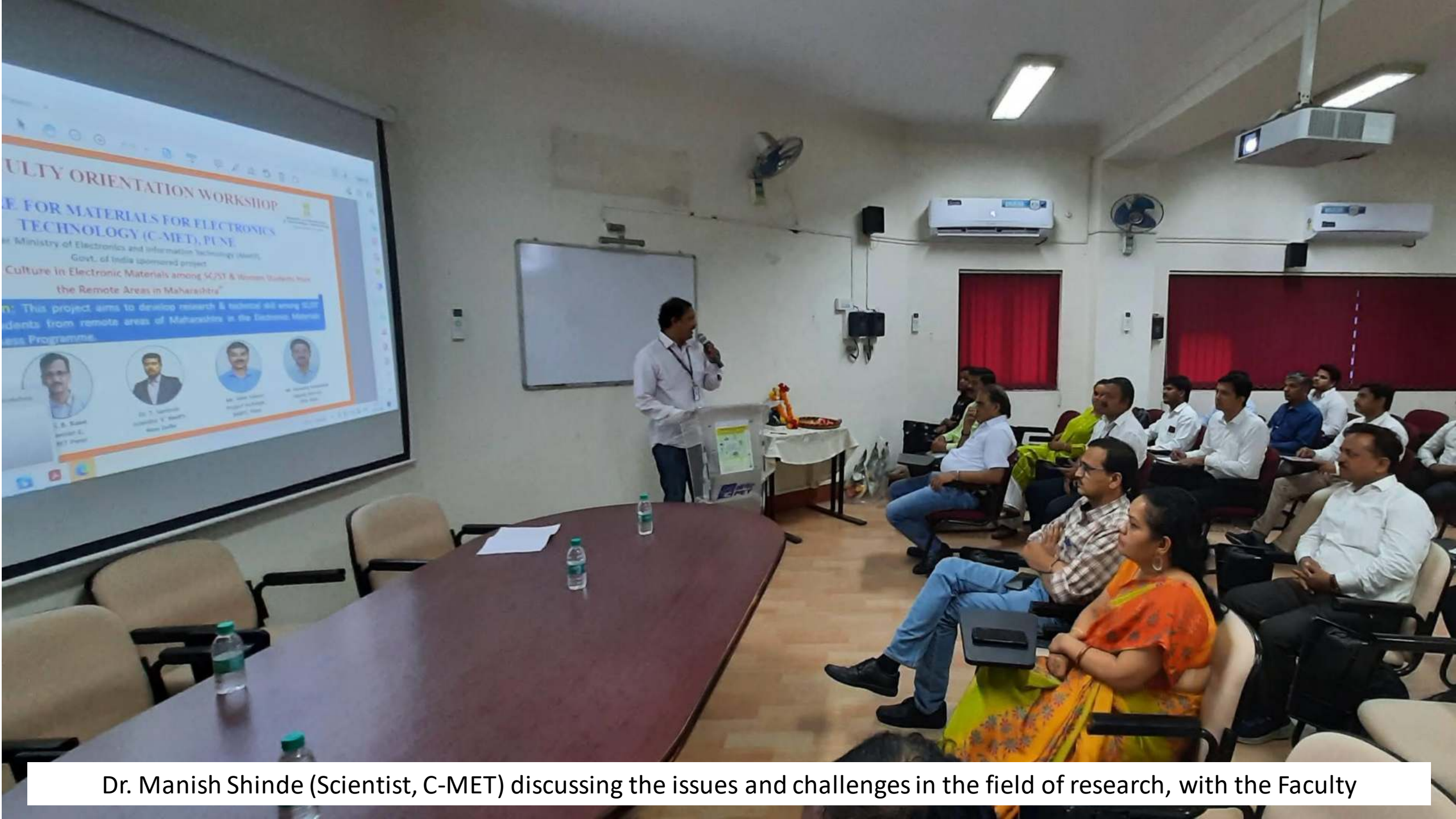
Faculty Orientation Programme-20th May 2022





Dr. B.B.Kale (Director General) presenting an overview of the C-MET





Dr. Manish Shinde (Scientist, C-MET) discussing the issues and challenges in the field of research, with the Faculty





Mr. Satish A. Ahire presenting his views on issues and challenges in the field of research, with the Expertise









FIVE DAYS STUDENT  
TRAINING PROGRAMME-  
2022



DATE: 13 TO 17<sup>TH</sup> JUN 2022

## Centre for Materials for Electronic Technology (C-MET)

In association with

Krishna Institute of Medical Sciences “Deemed to be University”, (KIMSDU) Karad

Organizes a Workshop on

**“MEDICAL PHYSICS, NANOMATERIALS AND BIOELECTRONICS USED IN HEALTHCARE DOMAIN”**

Under the MeitY, Government of India Sponsored Program

**“Creation of R & D Culture in Electronics Materials among SC/ST and Women Students in Maharashtra”**

**Date: 13<sup>th</sup> to 17<sup>th</sup> June, 2022**

**Venue**

Krishna Institute of Medical Sciences “Deemed to be University” (KIMSDU), Malkapur, Karad (Dist.-Satara), Maharashtra, India, PIN – 415539





# KRISHNA INSTITUTE OF PHARMACY



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**





5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**





**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



## Compression Only Life Support (COLS)

-By lay person outside hospital

Dr. P. S. Srinivasan, MSc, PhD  
Professor, Department of Physics, IISc  
Department of Biomedical Engineering  
IISc, Bangalore, Karnataka, India

Karnataka Institute of Medical Sciences Deemed to be University  
Karnataka Society of Anaesthesiology

### Compression Only Life Support (COLS)

Dr. P. S. Srinivasan, MSc, PhD



5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”





**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**





**Mr. Sachin Jadhav, M.Sc-I participated in 5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



**Mr. Kishor Raut, M.Sc-I student participated in 5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**





**Mr. Sachin Jadhav, M.Sc-I student participation in 5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**





# C-MET PUNE



**5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**





**Felicitation of students participated in the 5 Days offline Workshop on “Medical Physics, Nanomaterials and Bioelectronics used in Healthcare Domain”**



## One Day Workshop on **Battery Fabrication and Modification Demonstration**



Date: 2<sup>nd</sup> August 2022





**One Days offline Workshop on “Battery Fabrication and Modification Demonstration”**



**Students interactions in One Days offline Workshop on “Battery Fabrication and Modification Demonstration”**





**One Days offline Workshop on “Battery Fabrication and Modification Demonstration”**





Lithium Ion Battery manufactured by C-MET,Pune





Cell Packing Machine



Vacuum Chamber





HAR GHAR TIRANGA



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

**\*INDIAN Flag to be distributed to SC/ST student only**

**To,  
Principal,  
Mahatma Gandhi Vidyamandir's, Loknete  
Vyankatrao Hiray Arts, Science &  
Commerce College, Panchavati,  
Nashik-422003  
Co-ordinator Name: Satish Ahire  
Mobile No.: 902146995**

Dr. Sudhir Arbuj (9850217500)  
Scientist



**सेन्टर फॉर मेटिरियल्स फॉर इलेक्ट्रॉनिक्स टेक्नोलॉजी (सी-मेट)**

(वैज्ञानिक संस्था, इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय, भारत सरकार)

पंचवटी, ऑफ डॉ. होमी भाभा मार्ग, पाषाण, पुणे - 411 008.

**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)**

(Scientific Society, Ministry of Electronics & Information Technology, MeitY Govt. of India)

Panchwati, Off. Dr. Homi Bhabha Road, Pashan, Pune - 411 008. India.

2589 8141









## CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET), PUNE

Under Ministry of Electronics and Information Technology (MeitY),  
Govt. of India sponsored project



### "Creation of R&D Culture in Electronic Materials among SC/ST & Women Students from the Remote Areas in Maharashtra"

Organizes one-day seminar  
In Association with

MGVs Loknete Vyankatrao Hiray Arts, Science & Commerce College,  
Panchavati, Nashik-422003, on the topic

### Perspective of Materials for Electronics Technology

**Chairman**  
Dr. Bharat B. Kale, Director General  
Centre for Materials for Electronics Technology (C-MET)

**Co-Chairman**  
Dr. B. S. Jagdale, Principal, MGs LVH College, Nashik

**Convenor**  
Prof.(Dr.) K.H.Kapadnis, Vice Principal & Head  
Prof.(Dr.) Mrunal Bhardwaj, Vice Principal & IQAC Coordinator

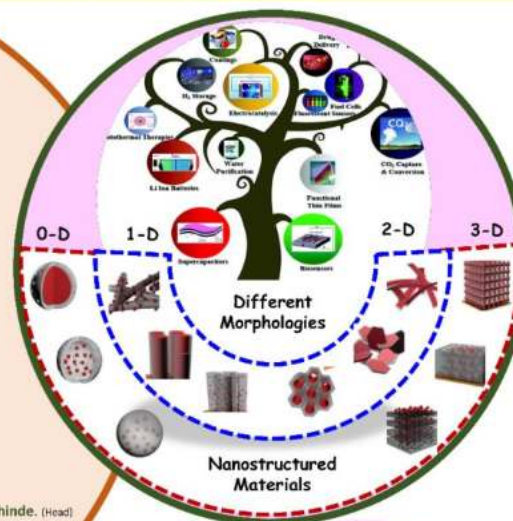
**Co-convenor**  
Dr. Sudhir S. Arbuj, Scientist, C-MET, Pune

**Co-ordinator**  
Prof. Satish A. Ahire, MGs LVH College, Nashik

**Co-coordinator**  
Dr. Govind Umarji, Scientist, C-MET, Pune

**Organizing Committee from C-MET, Pune**  
Dr. Manish Shinde (Scientist, C-MET Pune)  
Dr. Ranjit Hawaldar (Scientist, C-MET Pune)  
Mr. Amol Tambe.  
Ms. Priyanka Birla.  
Ms. Sayali Shenkar.  
Mr. Rushikesh Kale.

**Organizing Committee from LVH College, Nashik**  
Prof.(Dr.)T.B.Pawar, Dr. S.J.Patil (Head & COE) Dr. U.P.Shinde, (Head)  
Mrs.N.V.Sadgir, Dr.K.B.Bhamre Dr.A.B.Patil.  
Dr.S.S.Chobe, Dr.J.M.Shewale  
Dr.V.A.Adole.  
Dr.Sunil Dhonnar.



19<sup>th</sup> August 2022

Time:  
10.00 am to 4.00 pm

Duration:  
1Day

Mode: Offline

Venue:

New Conference Hall, MGVs Loknete  
Vyankatrao Hiray Arts, Science and  
Commerce College, Panchavati College,  
Nashik-422003

Sr. No.	Program	Time
1.	Overview about C-MET by Dr. Bharat B. Kale, Director General, C-MET	10.00 to 11.00
2.	Semiconductor Nano Structures and its various applications, Dr. Sudhir S. Arbuj, C-MET, Pune	11.00 to 11.45
3.	High tea	11.45 to 12.00
4.	Making of Silver Nps and Its applications Dr. Govind G. Umarji, C-MET, Pune	12.00 to 12.45
5.	3D Printing Technology in Its Applications Dr. Manish Shinde, C-MET, Pune	12.45 to 1.30
	<b>Lunch Break</b>	<b>1.30 to 2.30</b>
6	Importance of 2D materials In Quantum Computing by Dr. Ranjit Hawaldar	2.30 to 3.30
7	Panel Discussion and vote of thanks	3.30 to 4.30



## Team C-MET



Dr. Bharat B. Kale,  
Director General (C-MET)



Dr. Sudhir S. Arbuj,  
(Scientist)



Dr. Govind Umarji,  
(Scientist)



Dr. Manish Shinde  
(Scientist)



Dr. Ranjit Hawaldar  
(Scientist)



Mr. R. Marimuthu  
(Scientist)



Mr. Amol Tambe



Ms. Priyanka Birla.



Ms. Sayali Shenkar.



Mr. Rushikesh Kale



**Dr. Bharat B. Kale presenting an overview of the C-MET, Pune**









**Dr. Ranjit Hawaldar Delivering talk on Quantum Computing and 2D Material**





**Interaction of the Team C-MET, Pune with students**



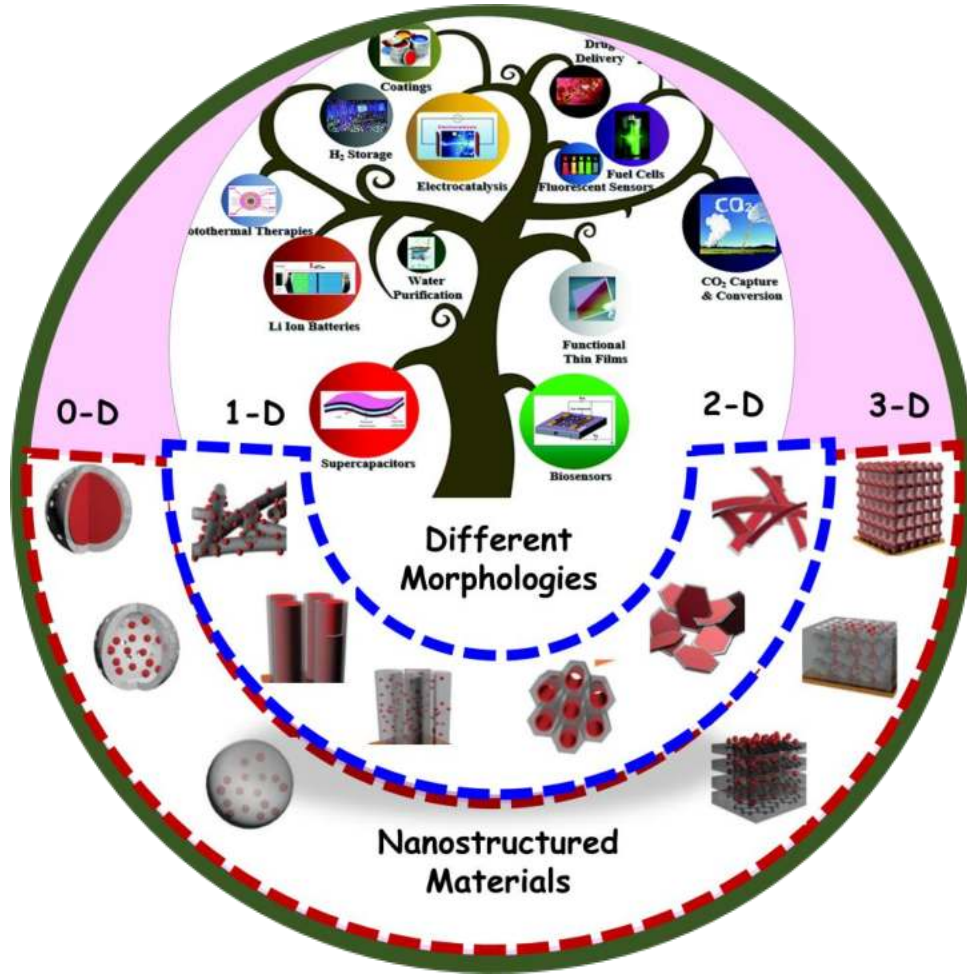




**Certificate distribution to participants**







Thank  
You



Founder



Karmaveer Bhausaheb Hiray

Mahatma Gandhi Vidyamandir's

# **Loknete Vyankatrao Hiray** **Arts, Science & Commerce College**

Affiliated to S.P.P. Uni., Pune Id. No. PU/NS/ASC/018 [1971]

Website : [www.lvhcollege.com](http://www.lvhcollege.com) e-mail : [lvhcollege@gmail.com](mailto:lvhcollege@gmail.com)

Re-Accredited by NAAC with 'A' Grade  
Best College Award 2017 (S.P. Pune University)

## **LVH INNOFEST 2022**

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**Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray, Arts, Science &  
Commerce College, Panchavati, Nashik-3**

**LVH INNOFEST 2022**

Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray, Arts Science & Commerce College was established in the year 1971 and celebrating Golden Jubilee year. Therefore, on the occasion of golden jubilee year of the college, the college has organized various national and state level competitions to promote the scientific and artistic talent of the students. Loknete Vyankatrao Hiray Innofest – 2022, competition was conducted in 2 categories – University level posters, projects and models on 24th April 2022. This competition was organized for the students of all Senior colleges for all faculties and was in the form of project and poster competition for science and technology, commerce and management, Humanities, Inter-disciplinary Faculties.

The program was inaugurated by the auspicious hands of the Vice-Chancellor of Savitribai Phule Pune University Dr. Nitin Karamalkar. Former Vice-Chancellors of Nanded and Lucknow University, Dr. S. B. Nimse, Hon. Vice-Chancellor of Balaji University, Pune, Dr. Gangadhar Shirude, Registrar, SPPU, Dr. Prafulla Pawar, Dean Science and Technology, SPPU, Dr. Manohar Chaskar, Dean Commerce and Management, SPPU, Dr. Parag Kalkar, Vice President, D. Y. Patil Vidyapeeth, Pune, Dr. Anil Khedkar, Dr. Ashok Joshi consented to be the honorable guests for the inauguration of LVH INNOFEST 2022.

Honorable Dr. Prashant Hiray-Secretary Mahatma Gandhi Vidyamandir presided over the inaugural programme. On this occasion, Hon. Dr. Apoorva Hiray-Coordinator MGV, Dr. V. S. More- Joint Secretary, MGV and Principal, Dr. B. S. Jagdale were also present.

The college took the initiative to start “LVH INNOFEST 2022” in the name of Late Loknete Vyankatrao Hiray. This innofest provided a platform to students to present their innovative ideas in science and technology, commerce and management as well as humanities and other disciplines to achieve the Sustainable Development Goals. A variety of nations today are working within the bounds of sustainable

development for a more justice, peaceful, resilient and prosperous society. Therefore, It is the responsibility of higher education institutions to contribute to the development of society and to meet new challenges. Actions are required to develop the highly educated sector to be able to develop self-empowerment. Those who are independent and self-reliant and contribute to society not only through civic duties but also through their ideas that can make life livable for the common man.

For this purpose, Loknete Vyankatrao Hiray Mahavidyalaya organized Innofest-2022. There was a great turnout for the competition. 460 students came up with new ideas. Projects that can prove to be useful to the upcoming future generations addressed issues such as alternate sources of energy, water management, transportation, sewage management, solid waste management, aviation, power and quality of human life where innovations can be used in future generations. Total Cash Prizes of Rs. 51,000/- was given to the winners. Shubham Ashok Bhosle and team won the first prize of Rs. 11000 and trophy in project category in the senior college. Garima D. Salunke and team won award of Rs. 7000/- and Deore Shreya Vinod and team won award of Rs. 5000/- for the second and third position respectively. In campaign with poster presentation, Khan Rehana and team won the first prize of Rs. 7100/- while Sawant Prachi Rajesh and team won prize of Rs. 5100/- and Masam Narshihlal Vasami and team won prize of Rs. 2100/- for second and third position respectively.

In all Faculty Projects', Ahire Shubham Vijay and team won first prize of Rs. 3100/- While Pritam Patkar and team won Rs. 2100/-, Pawar Devyani Vilas and team won Rs. 1100/- and Mrunal Mote and team won Rs. 500/- for second, third and fourth position respectively. In the 'Science and Technology Poster Presentation' category, Khan Rehana and team won the first prize of Rs.1500/- while Khan Rukhsana Rs. 1100/-, Rutika Mahavir Rs. 700/-, Janahvi Chavan Rs. 500/- and their teams won second, third and fourth place respectively. For Commerce and Management, Humanities and Interdisciplinary poster presentation category, Masam Narshihlal Vasani won the first prize of Rs. 1500/- while Kumkum Pandey Rs. 1100/-, Siddhi Vinod Wankhede Rs. 700/- and their teams won second and third place respectively. Also, the students of Junior from organizing Unit take the part in the competitions.



In the Project and poster presentation category, Devendra Hiranman Wagh and his team won the first prize of Rs.1000/-. While Aatish Santosh Sasane Rs 700/-, Manoj Vijay Sonde Rs. 500/- and their teams won second and third place respectively. Pallavi Bhise received the first prize of Rs. 700/- While Vaibhav Gadhe Rs. 500/-, Vaishnavi Kale Rs. 400/- and their teams won second and third place respectively.

The prize distribution ceremony concluded under the chairmanship of Joint Secretary, Mahatma Gandhi Vidyamandir, Dr. V S More and former vice-chancellor of Nanded and Lucknow University Dr. S. B. Nimse and prizes were distributed by their auspicious hands.

On this occasion, Dr. Nimse expressed his opinion that in the current education system, it is the need of the hour for teachers to impart the required knowledge to the students and create a competent youth for tomorrow. On the occasion of prize distribution ceremony principal of the college Dr. B S Jagdale welcome the dignitaries on the dais and presented the brief report of Institution. While the coordinator Dr. V. R. Nikam presented the Report of the program LVH INNOFEST 2022. Dr. Rakesh Patil gave the brief introduction of the honorable guests and also anchored the session and Dr. Resham Bhalla proposed vote of thanks. Coordinator Dr. V. R. Nikam, IQAC Coordinator Dr. Mrunal Bharadwaj, Dr. Vinit Rakibe, Dr. Santosh Chobe, Dr. S. D. Patil, all teaching and non-teaching staff worked hard for the program a success. The program was attended by a large number of journalists, teachers, non-teaching staff, students and participant students.

## Brochure LVH INNOFEST 2022



**Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray Arts, Science and Commerce College,  
Panchavati, Nashik-3**

[ Accredited with "A" grade by NAAC & Recipient of "Best College Award" by SPPU ]  
Certified by ISO 9001:2015

**Celebrating Golden Jubilee Year 2021-2022**



**GOLDEN JUBILEE YEAR  
1971-2021**

# Loknete Vyankatrao Hiray INNOFEST 2022 24th April

## INAUGURAL GUEST

**Hon'ble Prof. (Dr.) Nitin R. Karmalkar**  
Vice-Chancellor, Savitribai Phule Pune University, Pune.

### About the College

Loknete Vyankatrao Hiray Arts, Science and Commerce College, Panchavati, Nashik, is a leading College in Nashik establishment in 1971. The present strength of more than 4500 students reflects the academic excellence of the college, which is reaccredited with 'A' Grade by NAAC and has been recognized as the "Best College" in 2016-17 by Savitribai Phule Pune University, Pune. The college possesses excellent infrastructure, highly qualified faculty who are performing creditable work in the field of research and extension are also appreciated by all the stakeholders. Through this conference, we all, therefore take an opportunity to invite the eminent academicians, delegates, researchers, industrial personnel, and students to share and exchange their knowledge and views in the field of "Innovations in Teaching, Learning, and Evaluation in Higher Education". We are very optimistic that the outcome of this conference will be very productive and shall certainly help one and all taking active participation in conference towards nation-building activities.

### About the Institution

Mahatma Gandhi Vidyamandir, Nashik was established in 1952 under the dynamic leadership of Late Hon'ble Karmaveer Bhausaheb Hiray, a committed freedom fighter, an ardent educationalist, and Former Minister for Revenue of Bombay Province. His son late Hon'ble Vyankatrao Hiray, a great visionary took over the responsibility of the institution in 1961. Under his visionary approach, M.G. Vidyamandir started a number of schools and colleges imparting education from primary level to higher education, also technical and professional education. Since 1980 Hon'ble Smt. Pushpatai Hiray, Former Minister of Health, Govt. of Maharashtra, and Hon'ble Samajshree Prashantdada Hiray, Former State Minister of Transport and Protocol, Govt. of Maharashtra has been efficiently managing the institution. Hon'ble Dr. Aspoorva Hiray, Former MLC, Maharashtra State has been taking extraneous efforts to enhance the quality of education in the era of competitive globalization. At present, 110 educational institutions ranging from primary level to postgraduate and technical to professional level are operational under his able leadership. The devotional motto of the Institute is "Bahujan Hitay, Bahujan Sukhay" is to provide educational facilities to the students coming from all spheres of urban, rural & tribal areas and to empower them to become successful, sensitive, and responsible citizens of the Indian Nation.

### About the INNOFEST-2022

M. G. Vidyamandir's, LVH ASC college, Nashik is always being on the path towards Innovation, Incubation & Linkages which will be a great input for industries in Nashik as well as outside the Nashik for a start-up. This INNOFEST-2022 is a competition that finds out the new norms towards innovative ideas. This is also the time for innovators to think about real-world problems that give immediate solutions. Center for Innovation, Incubation and enterprise (CIE) cell of our college going to organize INNOFEST -2022 which will be a platform to present Innovations in various fields.

The Innovation festival has essentially become our idea generation engine, but it is so much more than that, it is great for networking because we bring together so many people from so many organizations. The Innovation festival engages scholars, inventors, and innovators in a dialogue about the critical role invention and innovation play in our society. The focus is on the most eye-catching new technologies, even non-techies are welcome. The innovation festivals provide the opportunity to share ideas. Sharing a room with like-minded people is the surest way to spark new ideas. In the rapidly changing world of technology, it's even more important to have connections to the people making the latest breakthroughs. Innovation festivals are transformative events. Attending, exhibiting and sponsoring are all ways to participate in an innovation festival and they all have their own benefits. We are super excited to announce that we are organizing our INNOFEST-2022 this year. Our Innovation festival is big, loud, exciting and very unique where we gather some of the greatest and most innovative minds from the streams of Engineering, Pharmacy, Management, Arts and Humanities, Commerce, Science and Technology, Vocational units and get them to tackle real world problems together in a series of sprints.

### Our Chief Patrons

**Hon'ble Smt. Pushpatai V. Hiray**  
Chairperson  
Mahatma Gandhi Vidyamandir  
Nashik

**Hon'ble Dr. Prashant V. Hiray**  
General Secretary  
Mahatma Gandhi Vidyamandir  
Nashik

**Hon'ble Dr. Smitaa Prashant Hiray**  
Treasurer  
Mahatma Gandhi Vidyamandir,  
Nashik

### Chief Organizers

**Hon'ble Dr. Yogita Aapoorva Hiray**  
Trustee MGV & CDC Chairperson, LVH College, Nashik  
**Dr. B. S. Jagdale**

Trustee, MGV & Principal, LVH College, Nashik

**Prof. (Dr.) N. B. Pawar**

Vice - Principal and Senate Member, SPPU, Pune

**Dr. V. H. Rakibe** **Dr. S. S. Chobe**

Supervisor- HR & Finance Supervisor Academic and Exam

**Dr. S. D. Patil** **Prof. (Dr.) M. A. Bhardwaj**

Supervisor-Estate IQAC, Coordinator &

Dean, Humanities, MG V Nashik

**Dr. Vasant R. Nikam**

Coordinator-INNOFEST-2022

Contact No.: 9921831151

**Prof. (Dr.) Resham Bhalla**

Convener- INNOFEST-2022

Contact No.: 7588133244

**Dr. Vishnu Adole**

Co-Convener- INNOFEST-2022

Contact No.: 8007228144

**Dr. Rakesh Patil**

Co-Convener- INNOFEST-2022

Contact No.: 8275519056



### IMPORTANT DATES

1. Last date of registration: 20th April 2022
2. Last date for any clarification: 21st April 2022
3. Date of Confirmation of participation: 21st April 2022
3. Date of Competition: 24th April 2022
4. Declaration of Result: 24th April 2022

### BANK DETAILS

BANK NAME - BANK OF BARODA  
ACCOUNT NO. - 97580100007605  
IFSC CODE - BARB0DBADGA (5th character is zero)  
ADDRESS - ADGAON NAKA, PANCHAWATI  
MICR CODE - 422012021

### Guidelines to the Participants

- Organization of University Level **Exhibition of Projects / Poster Competition** by Mahatma Gandhi Vidyamandir's L. V. H. Arts, Science and Commerce College, Panchavati Nashik.
- Only **Regular students** of S.P.P.U., Pune, and affiliated colleges are eligible to participate in the same.
- The Competition is open for the **bonafide Graduate, Post Graduate & Research students** of all University departments and senior colleges affiliated to SPPU, Pune.
- **Selection** of ideas/innovations will be based on novelty, social applicability, environment friendliness, user-friendliness, and comparative advantage over the existing similar technologies.

The Competition will be conducted for four Faculties:

Faculty of Science & Technology  
Faculty of Commerce & Management  
Faculty of Humanities  
Faculty of Inter-Disciplinary

First Three Prizes will be from all faculties

Project/ Model :

1) 11,000/- 2) 7,000/- 3) 5,000/-

Poster Presentation :

1) 5100/- 2) 3100/- 3) 2100/-

Prizes will be given for first three selected Projects / Poster from each Faculty

Total 30 prizes  
(4 Faculties X 3 Prize X 2 types) + 6

### Themes for Poster/Project/ Model

- 1) Solutions to End Hunger, Achieve Food Security, Improved Nutrition and Promote Agriculture.
  - 2) Good Health and Well-Being.
  - 3) Inclusive and Equitable Quality Education.
  - 4) Gender Equality and Women Empowerment.
  - 5) Management of Clean Water and Sanitation
  - 6) Affordable and Reliable Modern Energy.
  - 7) Sustainable Economic Growth, Productive Employment and Decent Work.
  - 8) Climate Changes, its Impacts and Actions.
  - 9) Uses of Marine Resources for Sustainable Development.
  - 10) Sustainable Industry, Innovation and Infrastructure
- Besides above any theme based on Artificial Intelligence and New Technologies would be accepted

### Important Instructions:

- The decision of Judges will be final
- Each team should have maximum 02 participants for Poster Competition
- Each Team should have maximum 05 participants for the Project competition
- Language of Presentation: Marathi / Hindi / English
- Every student will get maximum ten minutes only for presentation

Shortlisting of 100 best ideas/innovations from the Exhibition and Project Competitions will be Published in INNOFEST- Magazine

### General Rules

- All the participants should prepare their Project/ Poster based on their own work.
- Each team presenting Project / Poster should submit the copyright form along with the registration form.
- The 2m x 2m space will be provided for assembling the project with water and electric connections if necessary.
- Each Participant must be participating in either Project or Poster competition only.
- A certificate of participation will be awarded to each participant.
- Name(s) and college identity should not be displayed on the project/poster competition.
- The last date of registration and submission of the Project or model is 20th April 2022.
- The name of short-listed project/poster will be communicated individually by email / telephonically to the respective team on or before 21st April 2022.
- The expenses of food and accommodation were not included in the registration fees and should be availed by the participant on their own.
- The entry fees for each team Rs. 300/- (Rupees Three Hundred only) for a poster presentation.
- The entry fees for each team Rs. 500/- (Rupees Five Hundred only) for project presentation.
- Participants could also do the **spot registration**.

### Important Instructions for Registration

- The participants are required to complete "Registration" through this **Google form link** on or before 21st April 2022, 5.00 PM IST.
- The participant should upload the screenshot of the payment filling the registration form.
- Please ensure the form is filled with your **full name** and **Institute Name** as should be reflected in the participation or merit certificates.
- Proper **email-ids** must be provided in the event of any correspondence to be made.
- A copy of your **college ID** (for graduates & postgraduates) must also be uploaded in the Google form for verification purposes.

### For Registration

Google FORMS **Click Here**

To Join our WhatsApp

Group-1 **Click Here**





**Dr. Nitin Karmalkar, Vice Chancellor, SPPU and other Dignitaries seen during the Inauguration of LVH INNOFEST 2022.**



**Participant Student explaining the content of their Project.**





**Participant Student explaining the content of her poster.**



**Principal Dr. B S Jagdale and Team appreciating the efforts of teachers who motivated students to participate in LVH INNOFEST 2022**



**Dr. V R Nikam, Coordinator, LVH INNOFEST 2022, giving the Introduction**



**Feedback by Student Participant**





**Large Gathering seen during prize distribution of LVH INNOFEST 2022**



**Speech of Former Vice-Chancellor of Nanded University, Dr. S. B. Nimse, during the Prize Distribution Ceremony, LVH INNOFEST 2022**



**Joyous Moments of Winners of LVH INNOFEST 2022 on the dais with the dignitaries.**





Mahatma Gandhi Vidyamandir  
**LOKNETE VYANKATRAO HIRAY**  
**ARTS, SCIENCE & COMMERCE COLLEGE**  
Panchavati, Nashik 422003.

Affiliated to Pune University ID No. PU/NS/ASC/018(1971)  
(NAAC Reaccredited 'A' Grade)

Office : 2512924, 2628233

Web : [www.lvhcollege.com](http://www.lvhcollege.com)

Email : [lvhcollege@gmail.com](mailto:lvhcollege@gmail.com)

Prin. Dr. B. S. Jagdale



Ref.No.: LVH/2021-22/ 816

Date : 16/02/2022

To,  
Dr. V. R. Nikam,  
Dept. of Mathematics,  
Loknete Vyankatrao Hiray College,  
Panchavati,  
Nashik 3.

**Subject : Appointment as a Coordinator of INNOFEST - 2022.**

As per the decision by the MGV Management, from this academic year Loknete Vyankatrao Hiray Arts, Science & Commerce College is organizing INNOFEST - 2022, innovation based state level project competition. You have been appointed as a Coordinator for the same you are supposed to conduct this activity and submit the report of the same.

Sr. No.	Name	Designation
1	Dr. V. R. Nikam	Co-ordinator
2	Prof. Dr. Resham Bhalla	Convenor
3	Dr. R. V. Patil	Co-convenor
4	Dr. V. A. Adole	Co-convenor
5	Prof. Dr. S. B. Shisode	Member
6	Dr. Kaveri B. Bhamare	Member
7	Mr. A. B. Patil	Member
8	Mr. Ravi Wagchaure	Member
9	Mrs. Nutan Sadgir	Member
10	Dr. A. V. More	Member
11	Mr. D. K. Kannor	Member

  
(Dr. B. S. Jagdale)  
**Principal**  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College  
Panchavati, Nashik -3.

**Appointment of Coordinator and other Team members, LVH INNOFEST 2022**

लोकनेते व्यंकटराव हिरे कला, विज्ञान व वाणिज्य महाविद्यालय, पंचवटी, नाशिक-३

लोकनेते व्यंकटराव हिरे इन्तोफेस्ट - २४ एप्रिल २०२२

कर्मवीर भाऊसाहेब हिरे आंतरमहाविद्यालयीन राष्ट्रीय वाद-विवाद स्पर्धा दि. २५ व २६ एप्रिल २०२२

साहित्यविषयक वाद-विवाद, वक्तृत्व, निबंध, प्रश्नमंजुषा, काव्यवाचन स्पर्धा दि. २७ एप्रिल २०२२

करिता गठीत करण्यात आलेल्या विविध समित्या

कामाचे स्वरूपाप्रमाणे प्राचार्य/समन्वयक यांचेशी चर्चा करणे व खर्चाचे अंदाजपत्रक त्वरित सदर करणे

अक्र	समिती	समिती सदस्य	कामाचे स्वरूप
१	संयोजन समिती	१. डॉ. योगिता अपूर्व हिरे, अध्यक्ष, महा. विकास समिती २. डॉ. बी. एस. जगदाळे, प्राचार्य व अध्यक्ष ३. डॉ. एन.बी. पवार, उपप्राचार्य ४. डॉ. सुचेता सोनवणे, उपप्राचार्या (कनिष्ठ विभाग) ५. डॉ. एम. ए. भारद्वाज (IQAC Coordinator) ६. डॉ. विनीत रकिबे, पर्यवेक्षक, (वरिष्ठ विभाग) ७. डॉ. संतोष चोबे, पर्यवेक्षक, (वरिष्ठ विभाग) ८. डॉ. एस.डी. पाटील, पर्यवेक्षक, (वरिष्ठ विभाग) ९. प्रा. एस.एन. भदाणे पर्यवेक्षक, (कनिष्ठ विभाग) १०. डॉ. टी.बी. पवार सदस्य, महा. विकास समिती ११. डॉ. आशा पाटील, सदस्य, महा. विकास समिती १२. प्रा. एस. जे. पाटील, सदस्य, महा. विकास समिती १३. डॉ. विष्णू अडोळे (NAAC Coordinator) १४. डॉ. पी. वाय. व्याळीज, समन्वयक, वादविवाद समिती १५. डॉ. प्रकाश शेवाळे, सहसमन्वयक, वादविवाद समिती १६. डॉ. व्ही. आर. निकम, समन्वयक इन्तोफेस्ट १७. डॉ. आर. व्ही. पाटील, समन्वयक, साहित्य स्पर्धा	संयोजन
२	स्वागत व सूत्रसंचालन समिती	प्रा. विद्या सुर्वे - अध्यक्ष डॉ. प्रकाश शेवाळे डॉ. आर. व्ही. पाटील डॉ. सरला सानप डॉ. योगेश वानखेडे प्रा. साहेबराव पवार श्री. विजय खैरनार	उद्घाटन व समारोप समारंभाचे सूत्रसंचालन, पाहुण्यांचे व परीक्षकांचे स्वागत-सत्कार, त्यांची निवासव्यवस्था, प्रतिमापूजन, दीपप्रज्वलन, हार, गुच्छ, श्रीफळ शाल, नेमप्लेट, पाणी बाटली, फोल्डर, बेजेस, कार्यक्रम पत्रिका इत्यादी व्यवस्था
३	निमंत्रण व प्रवेशिका समिती	डॉ. जे. एम. शेवाळे - अध्यक्ष डॉ. एस. ए. बाघ डॉ. रेखा भदाणे डॉ. रुपाली देवरे डॉ. एम. पी. पगार डॉ. अरुण बनारसे प्रा. डी. के. कन्नोर प्रा. सुरेश साबळे प्रा. सुजाता आहेर प्रा. भास्कर एस. आव्हाड प्रा. गोरख शेवाळे प्रा. शितल जाधव	स्पर्धेचा ऑन लाईन प्रवेश अर्ज तयार करणे, निमंत्रण पत्रिका तयार करणे, महाराष्ट्र व महाराष्ट्राबाहेरील महाविद्यालये/विद्यापीठे यांचेशी संपर्क साधणे व त्यांना निमंत्रण पाठविणे, त्यांच्या प्रवेशिका मिळविणे, त्यांची नोंद करणे व पुढील नियोजन करणे, नोंदणी समितीस सहकार्य करणे

To  
Dr. V. R. Nikam  
Maths  
12/4/22

12/4



		प्रा. सायली जोशा प्रा. सिताराम मुरकुटे प्रा. शीतल शिंदे मदतनीस श्री. सुभाष निकम श्री. योगेश सोन्नर श्री. राम कुमावत श्री. नंदू शेवाळे	
४	स्पर्धक प्रमाणपत्र समिती	डॉ. एस. बी. शिसोदे - अध्यक्ष प्रा. सतीश अहिरे प्रा. सुरेश साबळे प्रा. बाळासाहेब काळे श्री. व्ही. एन. दशपुते प्रा. हेमलता भदाणे प्रा. कोमल जगझाप प्रा. सुजाता आहेर श्री. मधुकर शेवाळे	प्रमाणपत्र तयार करणे, लिहिणे, वाटपाच्या वेळी उपस्थित राहणे feedback फॉर्म तयार करणे, त्याची लिंक स्पर्धकांना पाठवणे.
५	स्पर्धक घोषणा समिती	डॉ. प्रगती मारकवार - अध्यक्ष डॉ. योगेश वानखेडे श्री. स्वप्नील आल्हाट प्रा. सादिक पीरजादा प्रा. वृषाली वडगे प्रा. दिप्ती देवरे	स्पर्धकांना लॉटसनुसार मंचावर आमंत्रित करणे
६	परीक्षक सहाय्यक समिती	डॉ. टी. बी. पवार - अध्यक्ष डॉ. कावेरी भामरे डॉ. रुपाली देवरे डॉ. आरती लोखंडे प्रा. रविंद्र वाघचौरे श्री. हेमंत पवार श्री. संदीप मारके	संयोजन समितीशी चर्चा करून परीक्षकांची नावे निश्चित करणे, पत्रव्यवहार करणे, संपर्क करून स्वीकृती घेणे, परीक्षकांना आवश्यक ते साहित्य पुरविणे, त्यांची व्यवस्था पाहणे (भोजन, चहा, कागद, पेन, पेन्सिल, रबर, नेमप्लेट, इ.) मानधन देणे, पावत्या तयार करणे, परीक्षक सत्कार/सन्मान, पत्रव्यवहार, निवास, शेवटी परीक्षक निकालाची पूर्तता करणे
७	भोजन समिती	प्रा. डॉ. के. एच. कापडणीस - अध्यक्ष डॉ. ए. पी. भदाणे डॉ. आशुतोष मोरे प्रा. टी. एल. निकम श्री. भास्कर आव्हाड श्री. बाळासाहेब काळे श्री. वाल्मिक ठाकरे श्री. विष्णू खैरनार श्री. सुनील काळे	चहा, नास्ताव भोजनाची सर्व व्यवस्था करणे, निवासी स्पर्धकांची भोजन व्यवस्था करणे
८	निवासव्यवस्था समिती	डॉ. एम. पी. पगार - अध्यक्ष श्री. स्वप्नील धात्रक श्री. योगेश सोनवणे श्री. किरण गुंजाळ श्री. किरण खैरनार श्री. राजू साळुंके श्री. सभाष मांडवडे	परीक्षक, स्पर्धक व संघ व्यवस्थापक यांच्या निवासाची व्यवस्था करणे

12/4

९	नोंदणी समिती	श्री. शशिकांत म्हसदे श्री. भानू गायकवाड प्रा. एस. डी मांजरेकर - अध्यक्ष डॉ. अनिता पाटील प्रा. वाय. एस. मोरे प्रा. डी. एच. पवार प्रा. प्रवीण सूर्यवंशी श्री. गोरख शेवाळे श्री. अंकुश पाटील प्रा. सायली मगर प्रा. रुचिरा दंडगव्हाळ प्रा. कोमल शिंदे प्रा. ललित टंक प्रा. सायली जोशी प्रा. जागृती नेरकर प्रा. मृणाली धीवर प्रा. चेतन सानप प्रा. मोनाली निफाडे	वादविवाद स्पर्धेचा ऑनलाईन प्रवेश अर्ज तयार करणे, ऑन लाईन प्रवेश स्वीकारणे व नाव नोंदणी करणे, निमंत्रण व प्रवेशिका समिती यांची मदत घेणे.
१०	सभामंडप, व्यासपीठ मांडणी व सजावट समिती	डॉ. पी. वाय व्याळीज - अध्यक्ष डॉ. जे. एम. शेवाळे प्रा. के. एन. पाटील प्रा. गोरख पवार प्रा. अनिल शिरसाठ प्रा. सुनील ढोन्नर श्री. सुभाष निकम श्री. वाल्मिक ठाकरे श्री. विजय खैरनार	मंडप ऑर्डर देणेतसे नियोजन करणे, मंडप सजावट करणे, व्यासपीठ, फलक, बोर्ड, खुर्च्या, टेबल, टेबलक्लाथ, वॅनर तयार करणे, नेमप्लेट तयार करणे, प्रतिमा मांडणे, ध्वनिक्षेपक व्यवस्था, अंतर बाह्य सजावट, पोर्च व्हरांड्यात पोस्टर्स लावणे, परीक्षकांची बैठक व्यवस्था, पत्रकार बैठक व्यवस्था इ.
११	शिस्त समिती	श्री. किशोर राजगुरू - अध्यक्ष प्रा. टी. एल. निकम प्रा. सचिन सोनवणे प्रा. अर्जिंक्य उगले प्रा. आर. ए. सदाराव प्रा. एस. डी. वाघ प्रा. पी. वाय. देवरे प्रा. आर. एन. पाटील प्रा. पी. बी. भामरे प्रा. डी. एस. पवार प्रा. ए. पी. थोरात श्री एन. एल. शेवाळे श्री. गणेश पवार श्री. राम कुमावत श्री. हेमंत बापू पवार	स्पर्धा काळात महाविद्यालयाच्या परिसरात शिस्त प्रस्थापित करून नियंत्रण ठेवणे
१२	प्रसिद्धी समिती	प्रा. एस. पी. व्याळीज - अध्यक्ष डॉ. विद्या सुर्वे डॉ. संदीप वाघ प्रा. स्वप्नील आल्हाट प्रा. वसुंधरा जाधव प्रा. ललित राऊत डॉ. वृषाली वडगे श्री के. के. गवळी	वृत्तपत्रांसाठी बातम्या तयार करून सर्व वृत्तपत्रांमध्ये प्रसिद्धी देणे, फोटोग्राफर नेमणे, कार्यक्रमाचे फोटो घेणे, व्हिडीओ शुटींग घेणे, स्पर्धा पूर्व आणि स्पर्धेनंतरची प्रसिद्धी करणे

 12/11/20



१३	बक्षीस वितरण समिती	प्रा. रविंद्र बाघचौरे- अध्यक्ष डॉ. प्रगती मारकवार प्रा. सतीश अहिरे प्रा. सुनील धोन्नर श्री विजय खैरनार श्री सुभाष निकम श्री. रवि गुंजाळ श्री. संदीप मारके	स्पर्धकांचे लॉटस तयार करणे व स्पर्धेचा अंतिम निकाल जाहीर करणे
१४	वृत्तसंकलन समिती	डॉ. के. आर. निकम - अध्यक्ष प्रा. वसुंधरा जाधव प्रा. ललित राऊत प्रा. सिताराम मुरकुटे प्रा. वृषाली वडगे प्रा. प्रवीण सूर्यवंशी प्रा. अनिल देवरे प्रा. अनिल शिरसाठ	स्पर्धकांच्या भाषणाचा गोपवारा (भाषावार) तयार करणे.
१५	रांगोळी समिती	डॉ. आशा पाटील - अध्यक्ष प्रा. कविता घाटे प्रा. जे. ए. हिरे प्रा. ज्योतीका घोलप प्रा. वृषाली पवार सौ. वर्षा भोये	पोर्च/व्हरांड्यात तसेच प्रमुख अतिथींच्या मार्गात रांगोळी सजावट करणे

  
 डॉ. बी. एस. जगदाळे  
 प्राचार्य

दिनांक : १२/०४/२०२२

**Working Committees, LVH INNOFEST 2022**



महात्मा गांधी विद्यामंदिर संचलित

# लोकनेते व्यंकटराव हिरे कला, विज्ञान व वाणिज्य महाविद्यालय, पंचवटी, नाशिक-३

सावित्रीबाई फुले पुणे विद्यापीठ संलग्नित  
(नॅक पुनर्मूल्यांकन अ श्रेणी व सा.फु.पुणे विद्यापीठ आदर्श महाविद्यालय पुरस्कारप्राप्त)



## सुवर्ण महोत्सवी वर्ष २०२१-२२

### स्नेह निर्मल

लोकनेते व्यंकटराव हिरे इनोफेस्ट २०२२  
कर्मवीर भाऊसाहेब हिरे आंतरमहाविद्यालयीन राष्ट्रीय वादविवाद स्पर्धा २०२१-२२ (वर्ष ४९)  
राज्यस्तरीय आंतरमहाविद्यालयीन साहित्य लेखन कार्यशाळा व प्रस्तुती

**उद्घाटन सोहळा**  
रविवार, दिनांक २४ एप्रिल २०२२ रोजी सकाळी ११.०० वाजता

कार्यक्रमाचे अध्यक्ष

शुभहस्ते

मा. डॉ. प्रशांत व्य. हिरे

माजी परिवहन व राजशिष्टाचार राज्यमंत्री, महाराष्ट्र राज्य,  
जनरल सेक्रेटरी, महात्मा गांधी विद्यामंदिर, नाशिक

मा. डॉ. नितीन करमळकर

कुलगुरु,  
सावित्रीबाई फुले पुणे विद्यापीठ

प्रमुख अतिथी

मा. डॉ. अभय वाघ

संचालक, तंत्रशिक्षण विभाग,  
महाराष्ट्र राज्य

मा. प्रा. डॉ. दिलीप उके

कुलगुरु,  
मा. राष्ट्रीय विधी विद्यापीठ, मुंबई

मा. डॉ. गंगाधर शिरुडे

कुलगुरु,  
श्री बालाजी विद्यापीठ पुणे

मा. प्रा. डॉ. एकनाथ खेडकर

उपाध्यक्ष,  
अजिंक्य डी. वाय. पाटील विद्यापीठ

मा. डॉ. एस. बी. निमसे

माजी कुलगुरु,  
नांदेड व लखनौ विद्यापीठ

मा. डॉ. प्रफुल्ल पवार

कुलसचिव,  
सावित्रीबाई फुले पुणे विद्यापीठ

मा. डॉ. पराग काळकर

अधिष्ठाता वाणिज्य व व्यवस्थापन विद्याशाखा,  
सावित्रीबाई फुले पुणे विद्यापीठ, पुणे

मा. मनोहर चासकर

अधिष्ठाता, विज्ञान व तंत्रज्ञान विद्याशाखा  
सावित्रीबाई फुले पुणे विद्यापीठ, पुणे

निमंत्रक

डॉ. योगिता अपूर्व हिरे

अध्यक्षा, महाविद्यालय विकास समिती, लो. व्य. हिरे महाविद्यालय, नाशिक  
व विश्वस्त म. गांधी विद्यामंदिर नाशिक

डॉ. बी.एस. जगदाळे

प्राचार्य

मा. विश्वस्त, संचालक, अधिष्ठाता महात्मा गांधी विद्यामंदिर नाशिक

उपप्राचार्य, पर्यवेक्षक, सदस्य, महा. विकास समिती, प्राध्यापक, शिक्षकेत्तर कर्मचारी व विद्यार्थी, लो. व्यं हिरे महाविद्यालय  
कार्यक्रम स्थळ :- लोकनेते व्यंकटराव हिरे कला, विज्ञान वाणिज्य महाविद्यालय, पंचवटी, नाशिक-३





कर्मवीर भाऊसाहेब हिरे

## संस्थापक समारोप व पारितोषिक वितरण समारंभ



लोकनेते व्यंकटराव हिरे इनोफेस्ट २०२२

रविवार, दिनांक २४ एप्रिल २०२२ रोजी दुपारी ४.३० वाजता

### प्रमुख पाहुणे

**मा. डॉ. सर्जेराव निमसे**

माजी कुलगुरु,  
नांदेड व लखनौ विद्यापीठ

**डॉ. मनोहर चासकर**

अधिष्ठाता, विज्ञान व तंत्रज्ञान विद्याशाखा,  
सावित्रीबाई फुले पुणे विद्यापीठ, पुणे

### अध्यक्ष

**मा. डॉ. व्ही. एस. मोरे**

सहसचिव, महात्मा गांधी विद्यामंदिर, नाशिक

कर्मवीर भाऊसाहेब हिरे आंतरमहाविद्यालयीन राष्ट्रीय वादविवाद स्पर्धा २०२१-२२ (वर्ष ४९)

मंगळवार, दिनांक २६ एप्रिल २०२२ रोजी दुपारी ४.३० वाजता

### प्रमुख पाहुणे

**मा. आ. नरहरी झिरवाळ**

उपसभापती,  
महाराष्ट्र राज्य विधानसभा

**मा. अच्युत गोडबोले**

ज्येष्ठ अर्थतज्ज्ञ

**मा. डॉ. राहुल रनाळकर**

संपादक, दैनिक सकाळ, नाशिक

### अध्यक्ष

**मा. डॉ. अपूर्व हिरे**

समन्वयक, महात्मा गांधी विद्यामंदिर, नाशिक

राज्यस्तरीय आंतरमहाविद्यालयीन साहित्य लेखन कार्यशाळा व प्रस्तुती

बुधवार, दिनांक २७ एप्रिल २०२२ रोजी दुपारी ४.३० वाजता

### प्रमुख पाहुणे

**मा. विजय सोनवणे**

सदस्य, व्यवस्थापन परिषद,  
सा. फु. पुणे विद्यापीठ, पुणे

**मा. मिलिंद कुलकर्णी**

संपादक, दैनिक लोकमत, नाशिक

**मा. डॉ. संतोष परचुरे**

संचालक, विद्यार्थी विकास मंडळ,  
सा. फु. पुणे विद्यापीठ, पुणे

### अध्यक्ष

**मा. संपदा (दिदी) हिरे**

विश्वस्त, महात्मा गांधी विद्यामंदिर, नाशिक

**Invitation card -LVH INNOFEST 2022**




# LIST OF PARTICIPANT STUDENTS, LVH INNOFEST 2022

INNOFEST - 2022 Faculty: Science and Technology (Project)






Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
1 ✓ 2ST1	Mr. Shubham Ashok Bhosale	MGV's Samajshri Prashantdada Hiray College of Pharmacy, Malegaon, Nashik			
	Mr. Gaurav Shailesh Deore			2095139 30179	SA Bhosale
	Mr. Shahid Latif Ab. Rahim Quraishi			500/-	
	Mr. Vinod Rajaram Patil			online Gr Pay	
	---				
✓ 2ST2	Suryawanshi Kunal Anil	MGV's Samajshri Prashantdada Hiray College of Pharmacy, Malegaon, Nashik		T2204 881639	
	Wani Pranita Chandrakant		ID Card	4405803 60621	
	Soundane Bhagyashri Vijay			500/-	
	Shaikh Saquib Nisar			online	
	Shah Mudassar Mukhtar			Phonepe	
✓ 2ST3	Suryawanshi Rutuja Dilip	Loknete Vyankatrao Hiray Arts Science and Commerce College, Panchavati, Nashik			
	Garima Dhananjay Salunkhe				
	Neha Rajesh Chandaliya		ID Card		Neha C
	Garima D. Salunke				
	Neha Chandaliya				
2	---				



# INNOFEST – 2022 Faculty: Science and Technology (Project)

✓ 2ST4	Hire Dhanashri kishor	Loknete Vyankatrao Hiray Arts Science and Commerce College . Panchavati, Nashik			
	Satpute Kanchan Dilip				
	Asher Ashwini Shivaji				
	Kulkarni Prajakta Dilip				
	---				
✓ 2ST5	Jessica Yogendra Bendkule	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	Aniket Santosh Lahange		T220420121		
	Prerna Sanjay Thakare		4031912481121		
	Ekta Nanasahab Thakare		online phone pay		
	---				
✓ 2ST6	Kalmegh Puja Pramov	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	Raktate Anuja Sudhakar				
	Kadam Sunetra Bruhaspati				
	Girase Kalpana Darbarsing				
	Yadav Ekta Shubhnarayan				

# INNOFEST – 2022 Faculty: Science and Technology (Project)




Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
✓ 2ST7	Bachhav Aishwarya Rajendra	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	Kate Ashwini Sharad				
	Zoman Monika Vinayak				
	Potkule Sachin Sampat				
	---				
✓ 2ST8	Gunjal Aishwarya Bahu	M. S. G. Arts, Commerce and Science College Malegaon Camp, Malegaon		T2204201 25301065	
	Deore Nikita RamaRao		Principal letter	4597544	
	---			Phonograph	
	---				
	---				
✓ 2ST9	Anjali Anil Wagh	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	Avinash Ramesh Gavit				
	Shubham Shewale				
	Shailesh Shewale				
	Devika Vijay Lad				



# INNOFEST - 2022 Faculty: Science and Technology (Project)

✓ 2ST10	Shaikh Asra Nasiruddin	Loknete Vyankatrao Hiray Arts Science and Commerce College . Panchavati. Nashik			See
	Sayed Rumana Akbarali				
	Ansari Naila Ali Akbar Ali				
	Shaikh Azra Mushtaque				
	Thapekar Dhanashree Ramdas				
2ST11	Ahire Shubham Vijay	M. S. G. Arts, Commerce and Science College Malegaon Camp, Malegaon			Pr.
	Pathade Prashant Bhalchandra		Principal	72204201 253010654	
	--- Maheswari R. Jibhau Kadam		Letter	597544	
	---			phone	
	---			pay	
✓ 2ST12	Pawar Priyanka Jawahrlal	M. S. G. Arts, Commerce and Science College Malegaon Camp, Malegaon			
	Pawar Harshali Barku		Principal	72204201 253010654	HB4d12
	Pawar Vaishali Mahan		Letter	597544	
	---			Online	
	---			phone pay	

# INNOFEST – 2022 Faculty: Science and Technology (Project)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
2ST13	Pratik Devidas Waghere	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	Identity		
	Mukesh Murlidhar Kamble		Proof.		
	Yesuram Madhav Valavi				
	Shifa Salim Shaikh				
	Shagufta S. Shaikh				
2ST14	Momin Sara Juned Ahmed	M. S. G. Arts, Commerce and Science College Malegaon Camp, Malegaon			
	Dhumal Anurag Jagdish		Principal	72204201 253010654	
	---		Letter	597544	
	---			online	
	---			phone pay	
2ST15	Daitkar Omkar Umesh	M. S. G. Arts, Commerce and Science College Malegaon Camp, Malegaon			
	Khairnar Rohit Sunil		Principal	72204201 253010654	
	---		Letter	597544	
	Sujay Sanjay Ahirrao			phone pay	
	Mandwade Pradosh Deviprasad				














# INNOFEST – 2022 Faculty: Science and Technology (Project)

2ST16	Ingle Sakshi Balkrushna	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	Pawar Apurva Ramchandra				
	---				
	---				
	---				
2ST17	Kanchan Shrotriya	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	211016278		
	Risa Mansuri		647		
	Dhanashree Morade		500/-		
	Priya Jadhav		20/4/22		
	---				
2ST18	Nikita Raju Pagare	K.B.H.S.S. TRUSTS INSTITUTE OF PHARMACY MALEGAON			
	Tooba Nikhat Sayyed			Cash	
	---			500/-	
	---				
	---				

# INNOFEST - 2022











Faculty: Science and Technology (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
IST1	Khan Rehana Abdurrahman	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	T2204181	
	Dhage Poonam Shaligram		I-card	16384656 05700874	
IST2	Shaikh Aaliya Ashpak	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	T2204181	
	Chavan Pandit Manohar		I-card	63230301 2590350	
IST3	Khan Rukhsana Abdurrahman	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	21080797	
	Sumrao Kiran Bhagwan		I-card	7325	
IST4	Mohini Dnyaneshwar Chaudhari	Mahatma Gandhi Vidyamandir ACS College Vinchur, Nashik	Admiss. Receipt	T2204191	
	---			45619580 1287679	
IST5	Rutika mahavir mutha	SNJB's SSDJ College of Pharmacy Chandwad, Nashik	I-card	T2204191	
	Yash yogesh pokarna		I-card	70343981 2490381	
IST6	Khushi pankaj meher	SNJB's SSDJ College of Pharmacy Chandwad, Nashik	I-card	T2204191	
	Vipul vijay kumat		I-card	71815183 8878210	







# INNOFEST - 2022

Faculty: Science and Technology (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
1ST7	Janhavi Chavan	MET's Institute of Pharmacy Bhujbal knowledge City , Adgaon, Nashik	I- card	T2204191	
	Sanket More		I- card	83036677 0786161	
1ST8	Deepika Vishwanath Jangam	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	-	-	-
	---		-	-	-
1ST9	Kaveri Vilas Vidhate	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I- card	-	
	Janvi Jagdish Shirsale		I- card	-	
1ST10	Aher Ashwini Shivaji	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I- card	-	
	Kulkarni prajakta dilip		I- card	-	
1ST11	Kanchan Dilip Satpute	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I- card	-	
	Hire Dhanashri kishor		I- card	-	
1ST12	Sayali Prakash Jadhav	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I- card	-	
	Swejal Pawar		I- card	-	

# INNOFEST - 2022

Faculty: Science and Technology (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
IST13	Janvi jagdish shirsale	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	Kaveri Vilas Vidhate				
IST14	Yadav Ekta Shubhnarayan	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I- card	-	
	Thail Snehal Sahebrao		I- card	-	
IST15	Kulkarni Prajka Dilip	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	Aher Ashwini Shivaji				
IST16	Nikam Priyanka Balu	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I- card	-	
	Pawar Uma Sardarsing		I- card	-	
IST17	Kalpana Darbarsing Girase	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	Sunetra Bruhaspati Kadam				
IST18	Uma Sardarsing Pawar	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	Priyanka Balu Nikam				













# INNOFEST - 2022

Faculty: Science and Technology (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
1ST19	Apeksha Jagtap	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	----				
1ST20	Vairal Priyanka rajendra	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	-	<i>[Signature]</i>
	Jagtap apeksha vasudev		I-card	-	<i>[Signature]</i>
1ST21	Monika Vinayak Zoman	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	-	<i>[Signature]</i>
	Ashwini Suresh Bhoj		I-card	-	<i>[Signature]</i>
1ST22	Kate Ashwini Sharad	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	-	<i>[Signature]</i>
	Bachhav Aishwarya Rajendra		I-card	-	<i>[Signature]</i>
1ST23	Sachin Sampat Potkule	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	-	<i>[Signature]</i>
	Ashutosh Madhukar Garud		I-card	-	<i>[Signature]</i>
1ST24	Pratiksha Kashinath Mulzir	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	-	<i>[Signature]</i>
	Preeti Anil Aswar		I-card	-	<i>[Signature]</i>

# INNOFEST - 2022

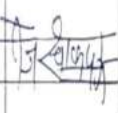

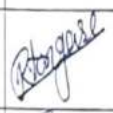



Faculty: Science and Technology (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
1ST31	Akash R Chaudhari	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	---				
1ST32	Sawant Prachi Rajesh	M. S. G. Arts, Science and Commerce College Malegaon Camp, Malegaon	contact with Dr. N. B. Shirsoth (7796414756)	T2204201 2530106	
	Borse Swapna Madhukar			545975 44	
1ST33	Ahire Ganesh Nandulal	M. S. G. Arts, Science and Commerce College Malegaon Camp, Malegaon	—	T2204201 2530106	
	Mandavde Pradosh Deviprasad		contact with Dr. N. B. Shirsoth.	545975 44	
1ST34	Jadhav Rupali Dilip	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I- card	-	
	Ingle Ankita Shivaji		I- card	-	
1ST35	Bhamare Rohini Arun	M. S. G. Arts, Science and Commerce College Malegaon Camp, Malegaon	contact with Dr. N. B. Shirsoth	T2204201 2530106	
	Bacchav Dipti Bhausaheb		Sir.	545975 44	
1ST36	Magar Devendra Sanjay	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I- card	-	
	Deore Jaywant Nandkumar		I- card	-	



# INNOFEST - 2022

Faculty: Science and Technology (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
1ST37	Kadam Tejaswi Valu	AJMVP's, New Arts, Commerce & Science College, Ahmednagar	Aadhar card	2110137	
	---			39833	
1ST38	Thete Kajal Sanjay	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik			
	---				
1ST39	Nikita Laxman Borade	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	-	
	Jyoti Kabhu Tongare.		I-card.	-	
1ST40	Patil Ganesh Dashrath	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	-	
	Pange Vaibhav Nandkishor		-	-	
1ST41	Nikhil Potdar	AISSMS College of Pharmacy, Pune	BonaFied	21106240	
	Aparna Lakare		BonaFied.	9034	
1ST42	Khairnar Vivek Ramdas	Loknete Vyankatrao Hiray Arts Science and Commerce College , Panchavati, Nashik	I-card	-	
	Patil Madhuri Hiralal		I-card	-	

# INNOFEST - 2022

Faculty: Humanities (Project)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
2HT1	Swapnali deore	L. V. H. Arts, Science and Commerce College, Panchavati, Nashik			
	Harshali khairnar				
	Akshay Jadhav				
	---				
	---				
2HT2	Patil Vaishnavi Jayant	L. V. H. Arts, Science and Commerce College, Panchavati, Nashik			
	---				
	---				
	---				
	---				
2HT3	Bhamare Sujata Nilip	L.V.H. College			



# INNOFEST - 2022

Faculty: Humanities (Project)

✓ 2HT4	1) Prashant Bhagwan Borgul	L.V.H. College	ID Card		Prashant.
	2) Sameer Shantaram Shijwal				
	3) Kajal Jagannath Shijwal				
	4) Sayli Satish Shijwal				
✓ 2HT5	1) Pravin Adare	L.V.H. College	ID Card.		Pravin.
	2) Dastagir Maniger				
	3) Pankaj Jagtap				
2HT6					

# INNOFEST - 2022

Faculty: Humanities (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
✓ 1HT1	Tanmay Laxmikant Joshi	H.P.T. Arts and R.Y.K. Science College, Nashik	I card Research Student	T220416000 355805308 368	T. Joshi
✗ 1HT2	Wankhede Siddhi Vinod	M. S. G. Arts, Commerce and Science College Malegaon Camp, Malegaon			
	Raundal Dhanraj kamalkar				
✓ 1HT3	Ansari Banobher Ateeque Ah.	M. S. G. Arts, Commerce and Science College Malegaon Camp, Malegaon	AJhar.	T2204201253 010654597544	
	Momin Naveera Firdaus Muzammar Husan		-		
✗ 1HT4	Prasenjit Gautam Waghmare	L. V. H. Arts, Science and Commerce College, Panchavati, Nashik			
	Sagar Palinje				
✓ 1HT5	Siddhi Vinod Wankhede	M. S. G. Arts, Commerce and Science College Malegaon Camp, Malegaon	Participant list	T2204201253 010654597544	
	Dhananjay Kamalakar Raundal		-	-	
✓ 1HT6	Wankhede Riddhi Vinod	M. S. G. Arts, Commerce and Science College Malegaon Camp, Malegaon	Participant list	T2204211235 57375396087	
	---		-		



# INNOFEST - 2022

Faculty: Humanities (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
IHT7	Hemant Manohar Chaudhari	MGV's Arts, Science and Commerce College, Surgana 422211			
	Bhagvat Hiranman Chaudhari				
IHT8	Deasensit Gautam Waghmare	L.V.H. College	I Card	-	<u>Deasensit</u>
	Vivek Vinod Jadhav	-	I Card	-	<u>Vivek</u>
IHT9	Aher Prajakta Ravindra	L.V.H. College	I Card	-	<u>Aher</u>
	-				
IHT10	Chavan Amar Shankar	L.V.H. College	I-Card	-	<u>Chavan</u>
IHT11	Aher Roshni Santosh	L.V.H. College	I-Card	-	<u>Roshni</u>
	Rajguru Rushikesh M.		Receipt	-	<u>Rushikesh</u>
IHT12	Hirve Sakshi Sharad	L.V.H. College	I-Card	-	<u>S. Hirve</u>
	Pradhan Maya Dipak		-	-	<u>MP Pradhan</u>

# INNOFEST - 2022

Faculty: Humanities (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
✓ IHT13	Khute Sakshi Sudhir	KSKW ASC College, Solapur	I-Card	Cash 3000/-	Khute S.M. Chavhan
	Chauhan Bhagyashri M.	—	I-Card		
✓ <del>IHT14</del> IHM2	Dhaktode Varita Somnath	L.V.H. College	I-Card	—	V.S.P. Bhagyal
	Bagul Ganesh Somnath	—	—		
IHT15					
IHT16					
IHT17					
IHT18					

Total Cash  
300  
Received  
MANJAREKAR  
Manjarekar

















# INNOFEST - 2022

Faculty: Commerce and Management (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
✓ 1CM1	Dhiraj Pankaj Joshi	K. K. Wagh Arts Commerce Science and Computer Science College Nashik	I card	210115242 472	
	Mandar Vinod Patil		-	-	
✓ 1CM2	Shravani Kishor Tormad	K. K. Wagh Arts Commerce Science and Computer Science College Nashik	I card	T22042010300 40572943843	
	---		-	-	-
✓ 1CM3	Mosam Narshilal Vasani	K. K. Wagh Arts Commerce Science and Computer Science College Nashik	I card	T2204182140 582806504649	
	---		-	-	-
✓ 1CM4	Tejas Talreja	M.S.G. Arts, Commerce and Science College Malegaon Camp, Malegaon	Ahar 834829066070	T2204201253 610654592544	
	Nikita Agrawal		982196345731	-	
✓ 1CM5	Atharva Vivek Patil	K. K. Wagh Arts Commerce Science and Computer Science College Nashik	I card	T22042016101 9344348190	
	Harsha Bharat Patil		-	-	
✓ 1CM6	Mayuri Anil Bagul	K. K. Wagh Agriculture, Saraswati Nagar, Nashik	I card	T2204201611 60205396786	
	Bhaves Anil Patil		-	-	

# INNOFEST - 2022

Faculty: Commerce and Management (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
✓ ICM7	Pratik Vilas Patil	K. K. Wagh Agriculture, Saraswati Nagar, Nashik	I card	T22402016 2823100718164	
	Sahita Ghanshyam Mishra		-	-	
✓ ICM8	Aishwarya Chandrakant Yeole	K. K. Wagh Arts Commerce Science and Computer Science College Nashik	I card	2111003157 99	
	Dakshata Dattatray Wagh		-	-	
✓ ICM9	Dakshata Dattatray Wagh	K. K. Wagh Arts Commerce Science and Computer Science College Nashik	I card	2111003157 883	
	Uday Manojbhai Waghela		-	-	
✓ ICM10	Aishwarya Chandrakant Yeole	K.A.A.N.M. Sonawane ASC college, Satana	Cash	300/-	
	Omkar Rahul Dube		-	-	
✓ ICM11	Joshi Pragati Vijay	L.V.H. College	I card	-	
	Kulkarni Mansi Dilip		-	-	
✓ ICM12	Kale Prati Pralhad	L.V.H. College	I card	-	
	Vabale Punam Ramesh		-	-	
✓ ICM12	Kumkum Kuberprasad Pandye	L.V.H. College	I card	-	
	Jadhav Shilpa Santosh		-	-	



# INNOFEST - 2022

Faculty: Commerce and Management (Poster)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details	Signature
* ICM13	Lasure Sakshi S.	B. V. M. P. C. M. S., Nashik	I. card	Cash 300	Sakshi
	Yasmin Ashmohammad Ansari	—	—	100 55. mag	Yasmin
ICM14					
ICM15					
ICM16					
ICM17					
ICM18					

Total 300 + 300 = 600  
By Cash

Received

MANJAREKAR

24/4/22

**INNOFEST – 2022**  
Faculty: Commerce and Management (Project)

Team No.	Name of Participants	Name of College	Details of Identity Proof	Registration Fees Details
2CM1	Vipul Ajay Sharma	Panchvati College of Management and Computer Science, Nashik		
	Manish Sharma		ID proof.	7220420
	---			15535793
	---			05159242
	---			online phone proof
2CM2				

*Phone*



## LIST OF WINNER PARTICIPANTS, LVH INNOFEST 2022

### INNOFEST -2022.RESULT SHEET

WINNERR RANKING	NAME OF THE WINNER& COLLEGE ADDRESS	CASH PRIZE
OVERALL PROJECTS		
WINNER.1.	SHUBHAM ASHOK BHOSLE & GAURAO DEORE,SHAHID LATIF & VINOD PATIL (M G Vs. Pharmacy College Malegaon)	Rs.11,000/-
WINNER.2.	GARIMA D. SALUNKE & NEHA CHANDAILIYA ( L VH COLLEGE NASIK.)	Rs.7,000/-
WINNER.3.	DEORE SHREYA VINOD & TEAM (L V H COLLEGE NASIK.3. )	Rs.5,000/-
POSTER OVERALL PRESENTATION		
WINNER.1.	KHAN REHANA ABDURREHMAN ( L V H COLLEGE NASIK)	Rs.5,100/-
WINNER.2.	SAWANT PRACHI RAJESH & BORSE SWAPNA MADHUKAR (M.S.G. COLLEGE MALEGAON CAMP)	Rs.3,100/-
WINNER.3.	MASAM NARSHILAL VASAMI (K K WAGH COLLEGE SARASWATI NAGAR NASIK,)	Rs.2,100/-
ALL FACULTYS PROJECTS		
WINNER.1.	AHIRE SHUBHAM VIJAY. ( M SG College Malegaon Camp.)	Rs.3,100/-
WINNER.2.	PRITAM PATKAR ,ONKAR DINDORE, NIKHIL POTDAR & APARNA LOKARE. ( AISSM COLLEGE OF PHARMACY PUNE.)	Rs.2,100/-
WINNER.3	PAWAR DEOYANI VILAS (L V H COLLEGE NASIK)	Rs.1,100/-
WINNER.4	MRUNAL MOTE, LOHKARE PALLAVI (NEW ARTS COLLEGE AHMEDNAGAR)	Rs.500/-
SCIENCE & TECHNOLOGY POSTER PRESENTATION		
WINNER.1.	KHAN REHANA ABDURREHMAN & DHAGE POONAM SHALIGRAM (LVH COLLEGE NASIK.)	Rs.1500/-
WINNER.2.	KHAN RUKHSANA ABDURREHMAN & SUMARAO KIRAN BHAGWAN (LVH COLLEGE NASIK)	Rs.1,100/-
WINNER.3	RUTIKA MAHAVIR MUTHA & YASH YOGESH POKARNA( (SNJB. COLLEGE OF PHARMACY CHANDWAD)	Rs.700
WINNER.4	JANHAVI CHAVHAN & SANKET MORE. (MET, PHARMACY COLLEGE NASIK.)	Rs.500/-
COMMERCE & MANAGEMENT,HUMANITIES,INTERDISCIPLINARY PROJECTS		
WINNER.1.	MASAM NARSHILAL VASANI (K K WAGH COLLEGE SARASWATI NAGAR NASIK,	Rs.1500/-
WINNER.2.	KUMKUM PANDE & SHILPA JADHAV (L V H COLLEGE NASIK)	Rs.1,100/-
WINNER.3.	SIDDHI VINOD WANKHEDE & DHANANJAY RAUNDAL	Rs.700

# INNOFEST -2022.RESULT SHEET.( LVH.JUNIOR COLLEGE)

WINNERR RANKING	Name of the winner& College Address	Cash Prize
POSTER PRESENTATION		
WINNER.1.	DEVENDRA HIRAMAN WAGH	Rs.1,000/
WINNER.2.	ATISH SANTOSH SASANE & NAYAN SAKA; SARSAMKAR	Rs.700/
WINNER.3.	MANOJ VIJAY SONDE & INDEER SANJAY PAWAR.	Rs.500/
PROJECTS PRESENTATION		
WINNER.1.	PALLAVI BHISE & GROUP	Rs.700/
WINNER.2.	VAIBHAV MANGESH GADHE & GROUP	Rs.500/
WINNER.3.	VAISHNAVI SANDEEP KALE & GROUP.	Rs.400/



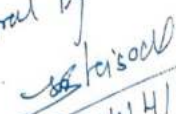
# **INNOFEST -2022.RESULT SHEET**

WINNERR RANKING	NAME OF THE WINNER& COLLEGE ADDRESS	CASH PRIZE
<b>OVERALL PROJECTS.</b>		
WINNER.1. (2.ST.1)	SHUBHAM ASHOK BHOSLE & GAURAO DEORE, SHAHID LAJIF & VINOD PATIL (M G Vs. Pharmacy College Malegaon)	Rs.11,000/-
WINNER.2. (2.ST.3)	GARIMA D. SALUNKE & NEHA CHANDALIYA (L V H COLLEGE NASIK.)	Rs.7,000/-
WINNER.3. (2.ST.20)	DEORE SHREYA VINOD & SHINDE RADHIKA ,HIRE KAJAL,KAPADNIS SONAL.PAWAR JAYASHRI (L V H COLLEGE NASIK.3.)	Rs.5,000/-
<b>POSTER OVERALL PRESENTATION.</b>		
WINNER.1. (1.ST.1)	KHAN REHANA ABDURREHMAN (L V H COLLEGE NASIK)	Rs.5,100/-
WINNER.2. (1.ST.32)	SAWANT PRACHI RAJESH & BORSE SWAPNA MADHUKAR (M.S.G. COLLEGE MALEGAON CAMP)	Rs.3,100/-
WINNER.3. ( )	MASAM NARSHILAL VASAMI (K K WAGH COLLEGE SARASWATI NAGAR NASIK.)	Rs.2,100/-
<b>ALL FACULTYS PROJECTS.</b>		
WINNER.1. (2.ST.11)	AHIRE SHUBHAM VIJAY. ( M SG College Malegaon Camp.)	Rs.3,100/-
WINNER.2. (2.ST.19)	PRITAM PATKAR ,ONKAR DINDORE, NIKHIL POTDAR & APARNA LOKARE. ( AISSM COLLEGE OF PHARMACY PUNE.)	Rs.2,100/-
WINNER.3 (2.ST.23)	PAWAR DEOYANI VILAS & GAVIT RUPESH SHANKAR. (L V H COLLEGE NASIK)	Rs.1,100/-
WINNER.4 (2.ST.26)	MRUNAL MOTE, LOHKARE PALLAVI ,TEJASWI DESHMUKH (NEW ARTS COLLEGE AHMEDNAGAR)	Rs.500/-
<b>SCIENCE &amp; TECHNOLOGY POSTER PRESENTATION.</b>		
WINNER.1. (1.ST.1)	KHAN REHANA ABDURREHMAN & DHAGE POONAM SHALIGRAM (LVH COLLEGE NASIK.)	Rs.1500/-
WINNER.2. (1.ST.3.)	KHAN RUKHSANA ABDURREHMAN & SUMARAO KIRAN BHAGWAN (LVH COLLEGE NASIK)	Rs.1,100/-
WINNER.3 (1.ST.5)	RUTIKA MAHAVIR MUTHA & YASH YOGESH POKARNA ( (SNJB. COLLEGE OF PHARMACY CHANDWAD)	Rs.700

WINNER.4 (1.ST.7)	JANHAVI CHAVHAN & SANKET MORE. (MET, PHARMACY COLLEGE NASIK.)	Rs.500/
COMMERCE & MANAGEMENT, HUMANITIES, INTERDISCIPLINARY POSTERS.		
WINNER.1. (1.CM.3)	MASAM NARSHILAL VASANI (K K WAGH COLLEGE SARASWATI NAGAR NASIK.)	Rs.1500/
WINNER.2. (1.CM.12)	KUMKUM KUBERPRASAD PANDE & SHILPA SANTOSH JADHAV (L V H COLLEGE NASIK)	Rs.1,100/
WINNER.3. (1.HT.5)	SIDDHI VINOD WANKHEDE & DHANAJAY RAUNDAL (M SG COLLEGE MALEGAON CAMP.)	Rs.700

### INNOFEST -2022.RESULT SHEET.(LVH.JUNIOR COLLEGE)

WINNERR RANKING	Name of the winner& College Address	Cash Prize
POSTER PRESENTATION		
WINNER.1.	DEVENDRA HIRAMAN WAGH	Rs.1,000/
WINNER.2.	ATISH SANTOSH SASANE & NAYAN SAKA; SARSAMKAR	Rs.700/
WINNER.3.	MANOJ VIJAY SONDE & INDEER SANJAY PAWAR.	Rs.500/
PROJECTS PRESENTATION		
WINNER.1.	PALLAVI BHISE & GROUP	Rs.700/
WINNER.2.	VAIBHAV MANGESH GADHE & GROUP	Rs.500/
WINNER.3.	VAISHNAVI SANDEEP KALE & GROUP.	Rs.400/

Prepared by  
  
 24/4/22



**CERTIFICATE FOR ALL PARTICIPANTS, LVH INNOFEST 2022**

**FEEDBACK FORM FROM PARTICIPANT STUDENTS, LVH  
INNOFEST 2022**

Mahatma Gandhi Vidyamandir's  
**Loknete Vyankatrao Hiray Arts, Sci. & Comm. College,**  
Panchavati, Nashik  
**Feedback Form for Participant Student सहभागी विद्यार्थी अभिप्राय**

Name of Participant Student (सहभागी विद्यार्थ्याचे नाव): Pranita Chandrakant Wani Class(वर्ग) T.Y.B-Pharm  
Name and Address of College (महाविद्यालयाचे नाव व पत्ता): MGV'S SPH college of pharmacy,  
Malegaon camp, Malegaon, Nashik.  
Contact No.(संपर्क क्र.): 9067474062 E-Mail (इमेल): wanipranita2@gmail.com  
Name of Competition in which you participated (सहभाग घेतलेल्या स्पर्धेचे नाव): Loknete Vyankatrao  
Hiray INNOFEST-2022 (Project competition)

\*\*\*\*\* Your Opinion - आपले मत \*\*\*\*\*

1] How do you rate the contribution of the competition in your overall development? आपल्या सर्वांगीण विकासात स्पर्धेचे योगदान याबद्दलचे आपले मत

[A] Excellent (उत्कृष्ट) [B] Very Good (अतिशय चांगले) ☒ [C] Good (चांगले) [D] Average (साधारण) [E] Poor (ठीक)

2] Infrastructure and other facilities in the college during your competition. स्पर्धेदरम्यान महाविद्यालयात मिळालेल्या पायाभूत आणि इतर सोयीसुविधा याबाबतचे आपले मत.

[A] Excellent (उत्कृष्ट) [B] Very Good (अतिशय चांगले) ☒ [C] Good (चांगले) [D] Average (साधारण) [E] Poor (ठीक)

3] Opinion about the Faculties/Staff of the college. महाविद्यालयातील शिक्षक/कर्मचारी याबाबतचे आपले मत

[A] Excellent (उत्कृष्ट) [B] Very Good (अतिशय चांगले) ☒ [C] Good (चांगले) [D] Average (साधारण) [E] Poor (ठीक)

4] Rate the preparedness of the college for the competition: स्पर्धेसाठी महाविद्यालयाने केलेली तयारी याबाबतचे आपले मत

[A] Excellent (उत्कृष्ट) [B] Very Good (अतिशय चांगले) ☒ [C] Good (चांगले) [D] Average (साधारण) [E] Poor (ठीक)

5] Rate registration process for the competition: स्पर्धेची नोंदणी प्रक्रिया याबाबतचे आपले मत

[A] Excellent (उत्कृष्ट) [B] Very Good (अतिशय चांगले) ☒ [C] Good (चांगले) [D] Average (साधारण) [E] Poor (ठीक)

7] Rate the evaluation process of the Competition स्पर्धेच्या परीक्षण प्रक्रियेविषयी आपले मत:

[A] Excellent (उत्कृष्ट) [B] Very Good (अतिशय चांगले) ☒ [C] Good (चांगले) [D] Average (साधारण) [E] Poor (ठीक)

8] Overall rating of the Competition स्पर्धेबाबतचे आपले सर्वसाधारण मत:

[A] Excellent (उत्कृष्ट) ☒ [B] Very Good (अतिशय चांगले) [C] Good (चांगले) [D] Average (साधारण) [E] Poor (ठीक)

9] Mention at least three strong points and three weak points about the competition. (स्पर्धेच्या किमान तीन सकारात्मक आणि तीन नकारात्मक मुद्द्यांचा उल्लेख करा.)

Three strong points:- Good facilities, Good registration process, Best staff.  
Three weak points:- Short or small / presentive place.

10] Any valuable suggestions / comments for the quality enhancement of the college:

(महाविद्यालयाच्या सर्वांगीण विकासासाठी आपल्या मौल्यवान सूचना किंवा मत) :

There is no valuable suggestions.

Date दिनांक : 24/04/2022

Place स्थळ : L.V.H college, Nashik

(Pranita)  
(Pranita Chandrakant Wani)  
Name and Signature of the student (नाव आणि सही)



## DEPARTMENT OF CHEMISTRY

### STUDENT PROJECT DETAILS

(Participated in LVH Innofest-2022)

Sr. No.	Name of the student (Class)	Project details
1.	Rehana Khan and Poonam Dhage (M.Sc. II Organic chemistry)	Fresnel Lens Prompted And Lemon Juice Catalyzed Expeditious Synthesis of Quinazolines and Dihydropyrimidones
2.	Rukshana Khan and Sumrao Kiran (M.Sc. II Organic chemistry)	Synthesis of Schiff bases of 2-(2- hydrazinyl)thiazole derivatives as an antimicrobial and antioxidant candidates
3.	Aaliya Shaikh and Pandit Chavan (M.Sc. II Physical chemistry)	Silver doped ZnO nanomaterial as potential photocatalyst and antimicrobial agent

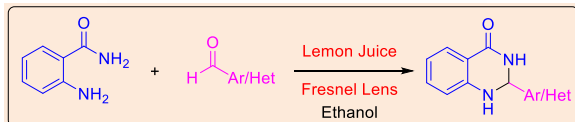
**Supervisor Name: Dr. Vishnu Adole**

**PROJECT DETAILS ARE GIVEN BELOW**

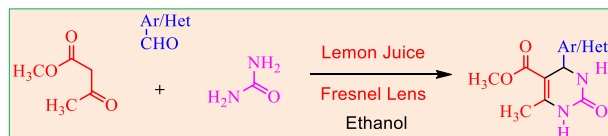
# Rehana Khan and Poonam Dhage (M.Sc. II Organic chemistry)

## FRESNEL LENS PROMPTED AND LEMON JUICE CATALYZED EXPEDITIOUS SYNTHESIS OF QUINAZOLINES AND DIHYDROPYRIMIDONES

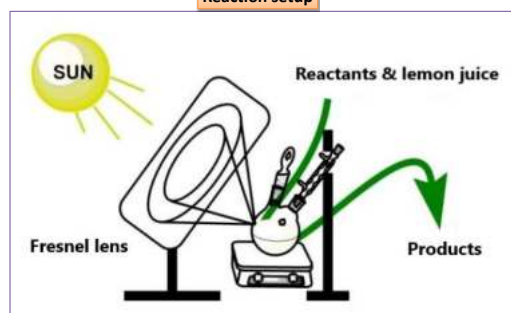
Reaction scheme 1: Synthesis of QUINAZOLINES



Reaction scheme 2: Synthesis of DIHYDROPYRIMIDONES



Reaction setup



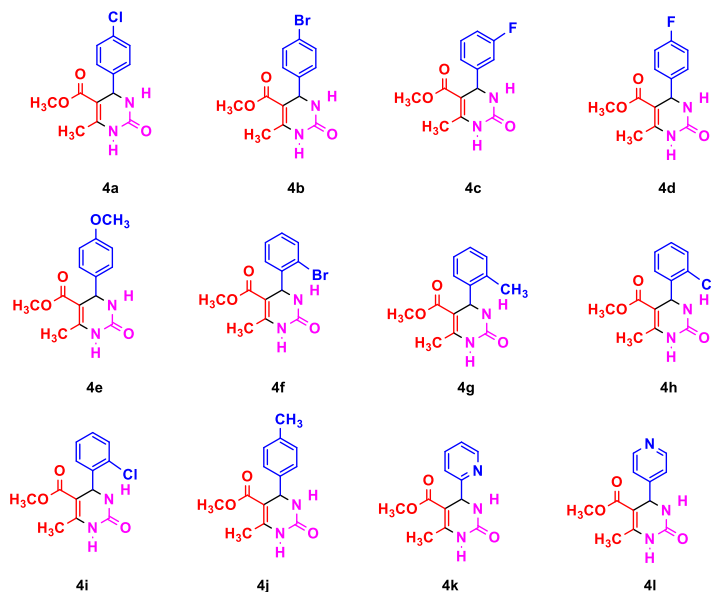
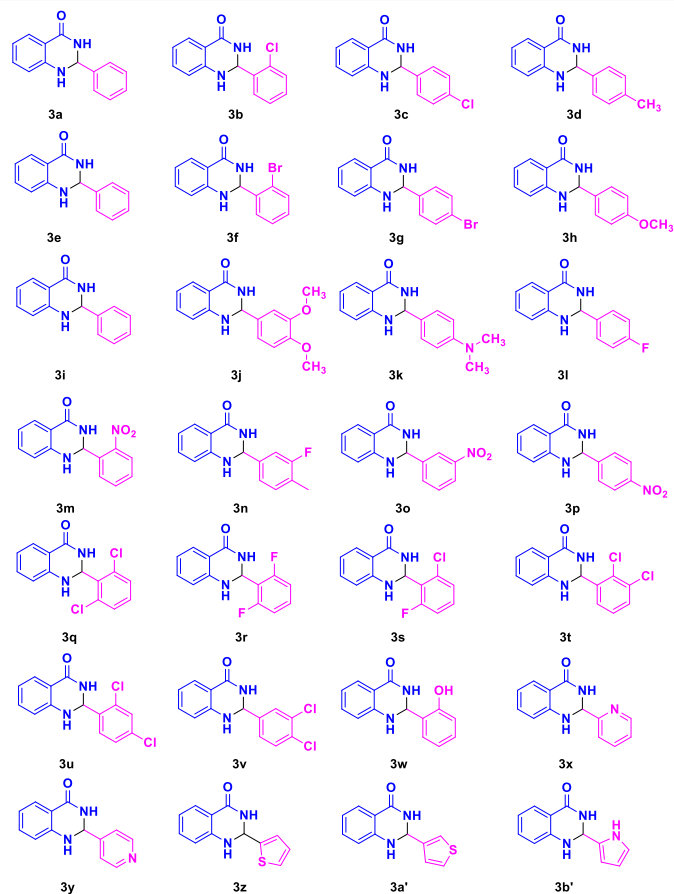
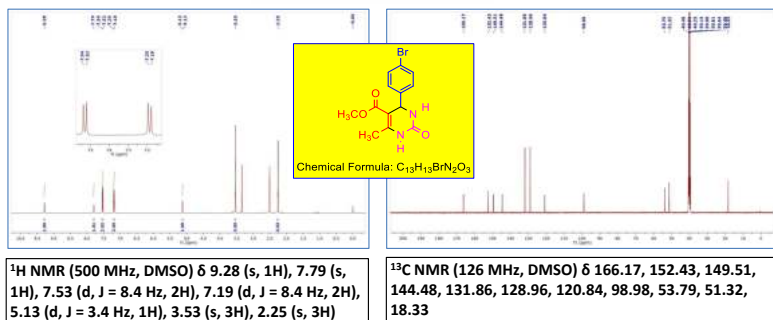
Typical procedure for the synthesis of quinazolines and dihydropyrimidinones

In a typical experiment, a mixture of reactants (1 mmol) was taken in a test tube containing 2 mL ethanol. Then 0.1 mL lemon juice was added in the reaction mixture. The reaction mixture was stirred on a magnetic stirrer and irradiated in concentrated solar radiation (CSR) for the appropriate time using Fresnel lens as the concentrator. The progress of the reaction was monitored by TLC. After completion of the reaction, pure products were obtained by filtration. The maximum yield was 97%.

### OUTCOMES

- Well known Biginelli reaction for the synthesis of 3,4- dihydropyrimidin-2(1H)-ones and quinazolines is performed in an environmentally responsible manner.
- This is the first report on combine use of Fresnel lens and lemon juice to perform any reaction.
- Use of renewable energy resource to carry out the reaction
- Free from costly catalysts as it use naturally available lemon as catalyst
- Very fast synthesis. Product formation within 30 minutes.
- Variety of reactants reacted proves the validity of the present protocol
- Very simple to perform.
- The products quinazolines and dihydropyrimidinones are biologically active.
- High yield of products.

Representative NMR discussion

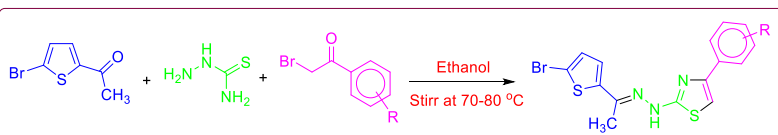




Rukshana Khan and Sumrao Kiran  
(M.Sc. II Organic chemistry)

## Synthesis of Schiff bases of 2-(2-hydrazinyl)thiazole derivatives as an antimicrobial and antioxidant candidates

**Reaction scheme 1: Synthesis of Schiff bases of 2-(2-hydrazinyl)thiazoles**



#### General procedure for the synthesis of Schiff bases of 2-(2-hydrazinyl)thiazoles

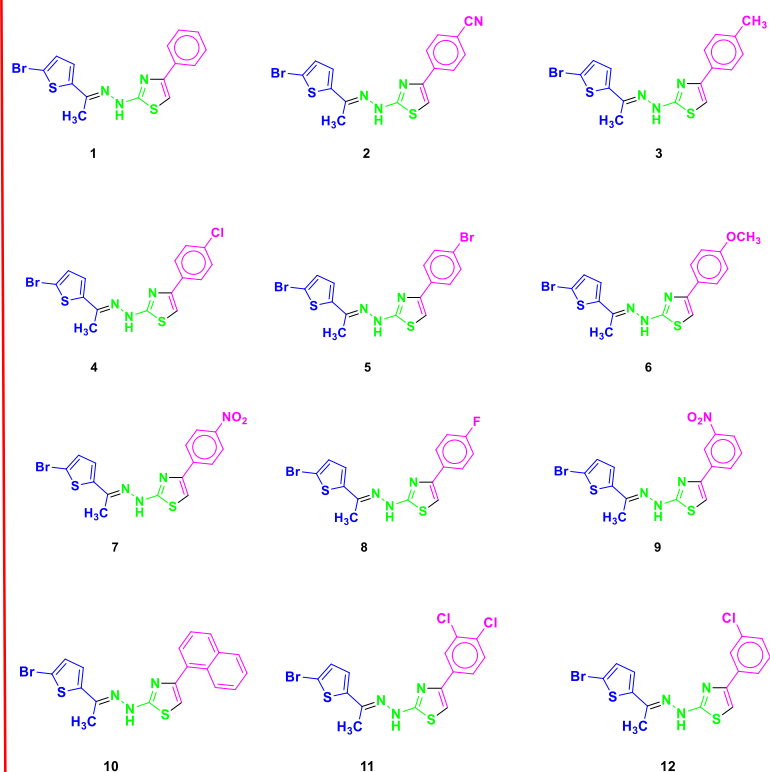
A equimolar mixture of substituted acetophenone (1 mmol), thiosemicarbazide (1 mmol), and glacial acetic acid 2–3 drops in ethanol (5 mL) was heated at 70–80°C for 1.0–1.5 h. Then the substituted  $\alpha$ -haloketones (1 mmol) were added slowly, and the product was precipitated within 5–10 min. The reaction mass was heated for 10 min more. The progress of reaction is monitored by TLC. The reaction mass was then cooled and the pure were obtained simply by filtration.

### Physicochemical data of Schiff bases of 2-(2-hydrazinyl)thiazoles

Entry	Time (min)	Yield (%)	M.P.	Entry	Time (min)	Yield (%)	M.P.
1	65	90	166	7	60	97	201
2	70	85	183	8	60	80	176
3	65	82	175	9	60	85	199
4	60	92	220	10	80	88	178
5	75	93	233	11	60	91	225
6	90	87	190	12	60	84	210

### Antibacterial and antifungal activities

	Zone of inhibition (mm)							
	Gram Positive		Gram Negative		Fungi			
Compound	B. Subtilis	B. megaterim	E. coli	S. boydii	R. oryzae	M. mucido	A. niger	C. albicans
1.	01	08	02	02	02	02	04	01
2.	01	01	01	00	01	02	02	02
3.	02	01	02	01	00	00	01	02
4.	06	06	10	10	10	11	12	12
5.	04	04	08	10	12	10	10	12
6.	02	02	06	08	02	00	00	04
7.	02	00	12	04	02	00	02	08
8.	08	07	13	12	12	13	13	15
9.	01	00	06	07	03	00	01	03
10.	02	00	12	04	02	00	02	08
11.	11	10	14	16	15	15	16	17
12.	8	09	05	08	02	05	07	04
Ampicillin	14	16	16	16	NA	NA	NA	NA
Fluconazole	NA	NA	NA	NA	16	18	18	16



### % Radical Scavenging Activities

Compounds	DPPH	Compounds	DPPH
1	57.73± 0.1155	7	77.70± 0.2255
2	75.6 ±0.4359	8	60.77 ±0.4450
3	64.46 ±0.4509	9	54.65 ±0.3501
4	63.36± 0.1528	10	72.35± 0.3320
5	60.25± 0.2013	11	70.25± 0.1025
6	48.26 ±0.2082	12	48.26 ±0.2082
Ascorbic Acid	80.66± 0.5033		

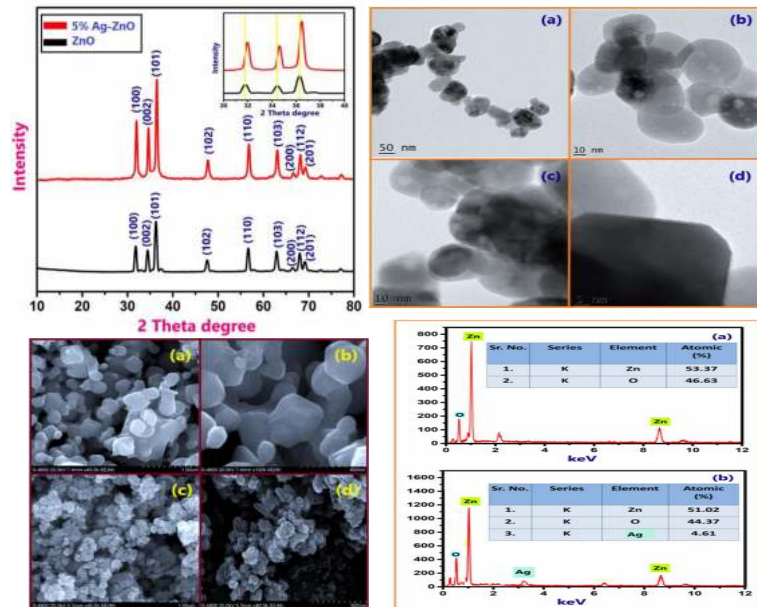
## CONCLUSION

- ❑ We have employed one pot synthetic protocol for accessing novel 2-(2-hydrazineyl)thiazole derivatives from readily available acetophenones.
- ❑ Rapid synthesis, ample substrate scope and very simple operation are noteworthy features of this protocol.
- ❑ All the synthesized 2-(2-hydrazineyl) thiazole derivatives were investigated for in vitro antibacterial activity against Gram-positive (*B. Subtilis* and *B. megaterium*) and Gram-negative (*E.coli* and *S. boydii*) bacterial strains. On other hand, in vitro antifungal activity was tested against *R. oryzae*, *M. mucido*, *A. niger*, and *C. albicans*.
- ❑ Moderate to good antimicrobial activity was observed for all the synthesized derivatives.
- ❑ In vitro antioxidants potential was also explored against DPPH radical. The synthesized compounds are found to exert good to excellent antioxidant activities.

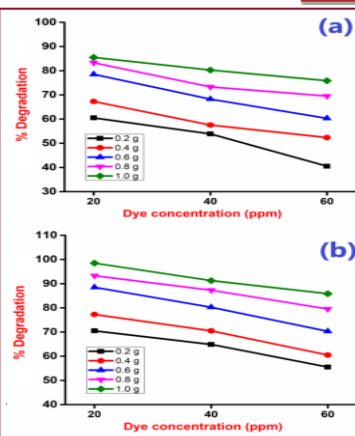
# Aaliya Shaikh and Pandit Chavan (M.Sc. II Physical chemistry)

## Silver doped ZnO nanomaterial as potential photocatalyst and antimicrobial agent

ZnO prepared from  $\text{Zn}(\text{NO}_3)_2 \cdot \text{H}_2\text{O}$  by co-precipitation method and 5% Ag ZnO by same method by adding 5%  $\text{AgNO}_3$  into  $\text{Zn}(\text{NO}_3)_2 \cdot \text{H}_2\text{O}$

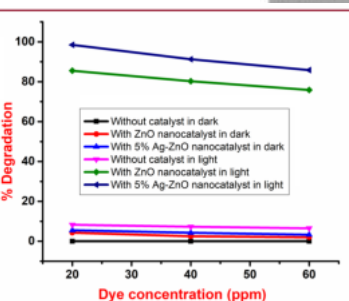


### Effect of catalyst dose



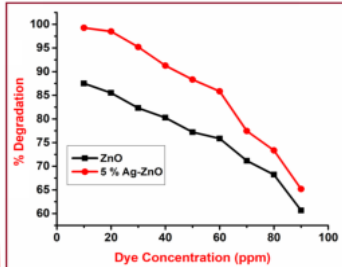
To get better understanding of optimized catalyst dose, the catalyst dose was varied from 0.2 to 1.0 g/L for both bare ZnO and Ag modified ZnO. For this study, the dye concentration was changed from 20 ppm to 60 ppm. It was revealed that both ZnO and Ag modified ZnO displaying good photocatalytic activity when catalyst dose was increased. The catalyst dose of 0.8 g/L and 1.0 g/L were found to be better in terms of photocatalytic efficiency. For 0.8 g/L catalyst dose, 98.5 % and 99 % photocatalytic degradation was achieved for ZnO and Ag modified ZnO, respectively. However, for 1.0 g/L catalyst dose, the increment in photocatalytic degradation was only 0.5 %. It clearly suggested us that 0.8 g/L catalyst dose was optimum for the photocatalytic degradation of EBT dye. Going from 20 ppm to 60 ppm, the photodegradation efficiency of both bare ZnO and Ag modified ZnO was found to be decrease. The results also revealed that Ni modified ZnO photocatalyst is better as compared to bare ZnO as far as EBT dye degradation is concerned.

### Photocatalysis in dark and light

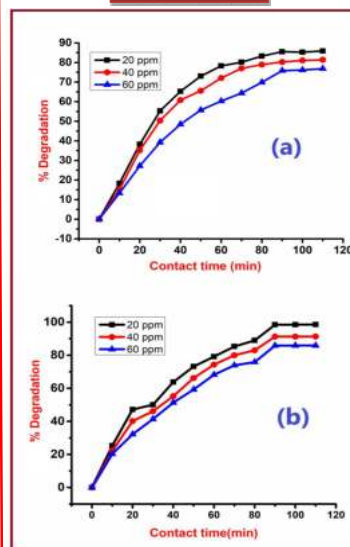


Photocatalysis study in dark and in presence of light clearly emphasizes the role of light. Photocatalytic property of ZnO and Ag modified ZnO was investigated by the photodegradation of EBT dye. The photodegradation of dye was studied by measuring the absorbance after every 10 min using spectrophotometer. There is a very minute decrease in absorbance when the dye solution was irradiated under visible light in the absence of photocatalyst. There is no effect on absorbance due to the presence of catalyst in dark and the absence of catalyst, respectively, on dye degradation. Further, it shows the rapid degradation of dye in the presence of catalyst in light. This increase in degradation may be due to an increase in ejection of number of photons and electrons in the conduction band and in the valence band, respectively.

### Effect of initial dye concentration



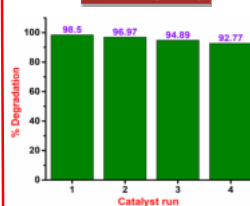
### Effect of contact time



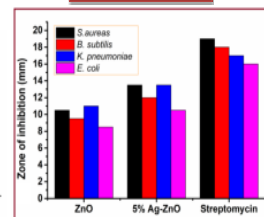
To set optimum degradation parameter the dye concentration examination is important aspect in photocatalysis study. This parameter is useful to determine overall contact time and rate of the reaction under study. In the present investigation EBT dye concentration was altered from 10 mg L<sup>-1</sup> to 90 mg L<sup>-1</sup> (10 ppm to 90 ppm) with optimum catalyst dose of 0.8 g/L fixed for all EBT dye concentration. From the overall study of dye concentration it was found that with enhanced concentration of EBT dye from 10 ppm to 90 ppm, the rate of degradation by the tested catalyst for EBT was declined. With rise in concentration of EBT dye the accumulation of EBT dye over the catalysts surface observed to increase which is in turn quenching between the upper energy state EBT molecules also increases and due to this the photocatalytic degradation of EBT dye decreases with increase in concentration.

The effect of contact time for various concentration of EBT dye from 20 mg L<sup>-1</sup> to 60 mg L<sup>-1</sup>. The dye degradation initially occurs very faster and almost 80 % of MB dye is degraded in 60 minutes. In the initial stage the degradation of EBT dye occur at the faster rate, because availability of more surface active site of the undoped and doped ZnO catalyst, these surface active sites promotes the catalyst for degradation at the faster rate. As the photocatalysis proceeds there is accumulation of dye particle or molecules over the catalyst surface, which restrict the effective photon striking with catalyst surface. In case of higher concentration of EBT dye the available active sites and effective photon interaction even more decreases and hence with increase in concentration of EBT dye and time the photocatalytic degradation of EBT dye decreases. The parameters set required for effective degradation of overall concentration of MB dye are catalyst dose 0.8 g L<sup>-1</sup>, EBT dye concentration of 20 mg L<sup>-1</sup>. By keeping all these parameters constant the overall contact time for the reaction is observed to be 90 minutes.

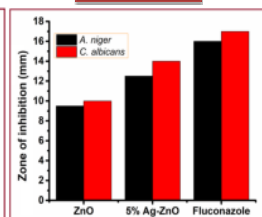
### Reusability study



### Antibacterial Study



### Antifungal Study



### Outcomes of the project study

Rising water pollution due to effluents thrown into water streams is the major problem which affects human as well as aquatic life. The present study focuses on photocatalytic degradation of EBT dye. So we believe that industrial effluents coming out of chemical and dye industries could be treated by our present method.

The rising antimicrobial resistance to many medicinal drugs is threat to whole world and this causes death in many cases. Therefore many scientist are focusing on development of new medicinal drugs with more efficient action against variety of microbes. Our prepared nanomaterial is found to be active not only against bacterial species but also against fungal species. So this nanomaterial could be effectively employed in the biomedical field.



**Mahatma Gandhi Vidyamandir's**  
**L. V. H. Arts, Science and Commerce College, Panchavati, Nashik**  
**DEPARTMENT OF ELECTRONIC SCIENCE**  
**Academic Year: 2021-22**

**Report on “Participation of Student in INNOFEST-2022 Competition”**

<b>Activity Details</b>	
<b>Aim:</b>	<b>Our Students participated in INNOFEST 2022 held in L.V. H. Arts, Science and Commerce College, Panchavati, Nashik.</b>
<b>Date of the event:</b>	<b>24/04/2022</b>
<b>Report:</b>	<p>Mahatma Gandhi Vidyamandirs Loknete Vyankatrao Hiray ASC College organized University Level Exhibition of Projects / Poster Competition named as “INNOFEST -2022” on 24th April 2022. The Competition is open for the bonafide Graduate, Post Graduate &amp; Research students of all University departments and senior colleges affiliated to SPPU, Pune. Selection of ideas/innovations will be based on novelty, social applicability, environment friendliness, user-friendliness, and comparative advantage over the existing similar technologies.</p> <p>M. G. Vidyamandir's, LVH ASC college, Nashik is always being on the path towards Innovation, Incubation&amp; Linkages which will be a great input for industries in Nashik as well as outside the Nashik for a start-up. This INNOFEST-2022 is a competition that finds out the new norms towards innovative ideas. This is also the time for innovators to think about real-world problems that give immediate solutions. Center for Innovation, Incubation and enterprise (CIIE) cell of our college going to organize INNOFEST -2022 which will be a platform to present Innovations in various fields.</p> <p>The Innovation festival has essentially become our idea generation engine, but it is so much more than that, it is great for networking because we bring together so many people from so many organizations. The Innovation festival engages scholars, inventors, and innovators in a dialogue about the critical role invention and innovation play in our society. The focus is on the most eye-catching new technologies, even non-techies are welcome. The innovation festivals provide the opportunity to share ideas. Sharing a room with like-minded people is the surest way to spark new ideas. In the rapidly changing world of technology, it 'seven more important to have connections to the people making the latest breakthroughs. Innovation festivals are transformative events. Our Innovation festival is big, loud, exciting and very unique where we gather some of the greatest and most innovative minds from the streams of Engineering, Pharmacy, Management, Arts and Humanities, Commerce, Science and Technology, Vocational units and get them to tackle real world problems together in a series of sprints.</p> <p><b>Themes for Poster/Project/ Model</b></p> <ol style="list-style-type: none"> <li>1) Solutions to End Hunger, Achieve Food Security, Improved Nutrition and Promote Agriculture.</li> <li>2) Good Health and Well-Being.</li> <li>3) Inclusive and Equitable Quality Education.</li> <li>4) Gender Equality and Women Empowerment.</li> <li>5) Management of Clean Water and Sanitation</li> <li>6) Affordable and Reliable Modern Energy.</li> <li>7) Sustainable Economic Growth, Productive Employment and Decent Work.</li> <li>8) Climate Changes, its Impacts and Actions.</li> <li>9) Uses of Marine Resources for Sustainable Development.</li> <li>10) Sustainable Industry, Innovation and Infrastructure</li> </ol> <p>Students from Department of Electronic Science of T. Y. B. Sc., M. Sc. I and M. Sc. II participated in the INNOFEST 2022 Competition. Most of the Students presented the poster and</p>

model in this competition. Our Department students Mrs. Devyani Pawar and Mr. Rupesh Gavit have got the 3<sup>rd</sup> prize in Model presentation. They present model on topic IoT based Greenhouse Monitoring System

List of Student participated in Model presentation in INNOFEST -2022 under Science and Technology:

1. Devyani V. Pawar (M. Sc. II) and Rupesh Gavit (M.Sc. I)  
**Topic:** IoT Based Green House Monetoring
2. Apurva Pawar (M.Sc. I) and Shakshi Ingle (M. Sc. I)  
**Topic:** IoT Based Whether Monitoring System.
3. Jyoti Gunjal (M.Sc. II) and Ratan Jadhav (T. Y. B. Sc.)  
**Topic:** IoT Based Revier Water Cleaining.
4. Rohit Ahir, Nivruti Kadale and Kunal Chavan (T. Y. B. Sc.)  
**Topic:** Smart Home Security System.

List of Two group of Student participated in Poster participated in INNOFEST-2022 under Science and technology:

1. Kajal Thete(M.Sc. II) and Pradyna Ahire (T. Y. B. Sc.)  
**Topic:** PLC (Programmable Logic Controller)
2. Sarika Sonawane(M.Sc. II) and Kavita More (M.Sc. II)  
**Topic:** Health Monitoring



Photo Proof





Certificates of student

Link of the certificate of student:

[https://drive.google.com/file/d/1EZkVB-f\\_-26F5LFy\\_OfwZEVjiAxPEXBh/view?usp=sharing](https://drive.google.com/file/d/1EZkVB-f_-26F5LFy_OfwZEVjiAxPEXBh/view?usp=sharing)

**Mahatma Gandhi Vidyamandir's**  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati, Nashik**  
**PG Department of Psychology & Research Centre**

**Description of Model Presented by our students in Innofest Competition 2022**

<b>Name of the Participants</b>	<b>Class</b>	<b>Topic of the Project</b>	<b>Remarks</b>
<b>1. Garima Dhananjay Salunkhe</b> <b>2. Neha Rajesh Chandaliya</b>	<b>TYBSC</b>	<b>Cyberpsychology</b>	<b>Received 2<sup>nd</sup> Prize</b>

**Topic : Cyberpsychology**

**Model:** Criminal and victim's online conversation to show how criminal was threatening the victim.

**Crime shown:** Indecent morphing of pictures.

**Aim :**

- 1) To understand why a person becomes a criminal - focusing on psychological background.
- 2) To understand the psychological stress that victim goes through.
- 3) How we can improve and prevent a person from becoming a criminal minded
- 4) How a victim should react in such a situation.

**Description:**

As a high proportion of our everyday activities takes place online, no wonder we are becoming increasingly preoccupied with how technology influences our thoughts & behavior and ultimately how it shapes us as individuals and as a society.

Technology has dramatically changed the way we work, interact with each other and spend our free time. Technologies has its own pros and cons like technology itself gives rise to criminal & technology only helps us find that criminal.

This Model intends to throw light on crime (indecent morphing of pictures) to create awareness about cyber-crimes & how an individual can be prevented from getting victimized.





*Mrunal A Bhardwaj*  
**Head**  
 Department of Psychology  
 Loknete Vyankatrao Hiray  
 Arts, Science & Commerce College,  
 Panchavati, Nashik - 3.

Prof. Dr. Mrunal A Bhardwaj  
 Head  
 PG Department of Psychology & Research Centre

**Mahatma Gandhi Vidyamandir's**  
**Loknete Vyankatrao Hiray Arts, Science and Commerce College,**  
**Panchavati, Nashik-3**

[Accredited with "A" Grade by NAAC, Recipient of Best College Award By SPPU]

***Golden Jubilee Year 2021-22***  
**Department of Commerce and Research Center**  
**Innofest Competition- 2022**  
**Poster Presentation University Level Competition**

On the occasion of Golden Jubilee Year of Mahatma Gandhi Vidyamandir's, Loknete Vyankatrao Hiray College of Arts, Science and Commerce, Panchavati, Nashik organized Innofest Competition- 2022 for Under Graduate and Post Graduate students on 24<sup>th</sup> April 2022. From Department of Commerce and Research Centre two teams- Under Graduate students are participated in Poster Presentation University Level Competition with theme based on Sustainable Goals and 1<sup>st</sup> Team secured 2<sup>nd</sup> position for this Competition. The following are details of Two Teams which are from S.Y.B.Com. Class-

**1<sup>st</sup> Team Members are-**

- 1- Kumkum Pande
- 2- Shilpa Jadhav

**2<sup>nd</sup> Team Members are-**

- 1- Priti Kale
- 2- Punam Vabale

The Principal and Trustee of MGV's Dr. B. S. Jagdale, Prof. Dr. Mrunal Bhardwaj, Dean of faculty of Humanities MGV, IQAC Coordinator and HoD of Psychology, Prof. Dr. N. B. Pawar, Vice-Principal and Senate member, SPPU, Pune, Dr. S. S. Chobe, Academic and Exam supervisor, Dr. S. D. Patil, Supervisor estate, Dr. V. R. Nikam, Coordinator of Innofest Competition- 2022 gave their best wishes for the Poster Presentation University Level Competition.

The Commerce Department Coordinator of the Innofest Competition- 2022 Dr. Arti Lokhande gave efforts and to motivate the team members. Dr. V. H. Rakibe, Supervisor-Finance and HR of LVH College & Faculty of Department of Commerce & Research Center, Dr. Ashutosh More, Mr. Bhushan Thete, Mr. S. K. Vasave and Mrs. Khemnagar encourage and guide all the participants for their success.





Department of Commerce S.Y.B.Com. Class students were participated in Poster Presentation University Level Competition with theme based on Sustainable Goals as on 24<sup>th</sup> April 2022.



**Winner – 1st Team:-** 1- Kumkum Pande  
2- Shilpa Jadhav

**Participated- 2nd Team:-** 1- Priti Kale  
2-Punam Vabale





**Mahatma Gandhi Vidyamandirs**  
**Loknete Vyankatrao Hiray Arts, Science, Commerce College Panchavati, Nashik 03**  
**Department Of Microbiology**  
**College Level Innofest 2022**

The students from Department of Microbiology Participated in the INNOFEST Project and Poster Competition 2021-22 organized by Loknete Vyankatrao Hiray Arts, Science, Commerce College Panchavati, Nashik, on 24<sup>th</sup> April 2022. This activity is unique in its nature and has generated a lot of enthusiasm among students.

The projects can be in the form of live demonstration/models/posters and should be based on the novel ideas, in

1. Chemical fertilizer V/S Microbial fertilizer
2. Global Warming

**List of participants**

Sr.No	Name of Participant	Class	Topic of the Poster/ Project Presentation	Remark
1.	Aniket lahamge	S.Y.Bsc	Chemical fertilizer V/S Microbial fertilizer	Participation certificate
	Ekta thakare			Participation certificate
2.	Aqsa Khan	S.Y.BSc	Global Warming	Participation certificate

**Project 1: Name of Students: 1. Aniket lahamge**

**2. Ekta thakare**

**Title: Chemical Fertilizer v/s Microbial Fertilizer**

**Introduction:**

The continuous used of chemical fertilizer in Agriculture field Causes the degradation of Soil and provokes environmental pollution. Furthermore, it is damage in the human health. To overcome this problem Microbial fertilizer and compost have been seen as better alternative for chemical fertilizer, the objective of the paper was to prove that application of microbial fertilizer can reduce the use of chemical fertilizer. Microbial fertilizer are used to increase the crop yield in an ecofriendly way. Now days, poor quality of product is the biggest problem in order to increase production and hence commercialization of Microbial fertilizer desired quality and should be achieved.





Certificates of Participated students:





**Poster 1: Name of Student: Aqsa Khan**

**Topic: Global Warming**

### Introduction:

Fossil fuels are being continuously used to produce electricity. The burning of these fuels produces gases like carbon dioxide, methane and nitrous oxides which lead to global warming. Deforestation is also leading to warmer temperatures. The hazard of global warming is continuously causing major damage to the Earth's environment. Most people are still unaware of global warming and do not consider it to be a big problem in years to come. What most people do not understand is that global warming is currently happening, and we are already experiencing some of its withering effects. It is and will severely affect ecosystems and disturb ecological balance. Because of the treacherous effects of global warming, some solutions must be devised. The paper introduces global warming, elaborates its causes and hazards and presents some solutions to solve this hot issue. Above all, alternative energy sources (solar, wind, hydro, geothermal, bio mass) need to be seriously pursued. Finding and using renewable sources of energy is one of the methods to combat the ever increasing global warming effectively.

**Keywords:** Climate, fossil fuels, deforestation, global warming, alternative energy sources.



### Certificates of Participated Students:



**Mahatma Gandhi Vidyamandir's**  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati, Nashik-3**  
**P.G. Department of Botany & Research Centre**  
**LVH INNOFEST – 2022**  
**List of Participants**

<b>Sr. No.</b>	<b>Name of the Participant</b>	<b>Class</b>	<b>Topic of the Poster/ Project Presentation</b>	<b>Remarks</b>
1.	<b>Mr. Sawant Onkar Pandurang &amp; Chaudhari Prathamesh Hiralal</b>	M.Sc-I	<b>Preparation of Aloewine</b>	Participation Certificate
2.	<b>Miss. Patil Priyanka Suresh &amp; Mr. Koli Nilesh Ramesh.</b>	M.Sc-I	<b>Cloning &amp; Its Applications</b>	Participation Certificate
3.	<b>Miss.Usha Parsharam Kumavat.</b>	T.Y.B.Sc	<b>Structure of cell</b>	Participation Certificate
4.	<b>Miss. Shitole Yamuna Gopal</b>	T.Y.B.Sc	<b>Internal structure of a flower</b>	Participation Certificate
5.	<b>Miss. Valvi Pallavi Madhukar</b>	T.Y.B.Sc	<b>Environment protection strategies</b>	Participation Certificate

**POSTER 1:**

**Name of the Students: Mr. Sawant Onkar Pandurang & Mr. Chaudhari Prathamesh Hiralal**

**Title: Preparation of Aloewine**

**Introduction:**

The aloe vera plant has been used for centuries for medicinal purposes to treat burns, infections, parasites, skincare, etc. It is still used today. If ingested, it is said to cleanse the body and act as a digestive agent. This medicinal wine is a unique source of vitamin B12 and other vitamins from the B-complex. It also contains minerals and healthy fatty acids.

**Preparation: Ingredients:**

- 5 aloe vera leaves
- 2 kg of sugar
- ½ cup of raisins
- 1 teaspoon of yeast
- The juice from an orange or lemon 8 cups of water

**Procedure:**

Clean and wash the aloe vera leaves and cut them in small pieces. Put them in a large glass jar and mix them with the raisins, sugar and citrus juice. Furthermore, let the water boil and after



that put it over the aloe mixture. Separately, dissolve the yeast in some warm water and pour it over the aloe mixture that has already cooled. Cover the jar and let the solution soak for 21 days. Shake the container regularly.

Once the 21 days have passed, you can strain the wine and put it in a sterilized bottle.

### Benefits:

1. Coordinating stomach
2. Relaxing bowel
3. Reducing blood sugar
4. Protecting liver
5. Enhancing human body immunization
6. Restoring tissue damage
7. Preventing tumour
8. Protecting skin



## **POSTER 2:**

**Name of the Students: Miss. Patil Priyanka Suresh & Mr. Koli Nilesh Ramesh.**

### **Title: Cloning & Its Applications**

#### **Introduction:**

Cloning describes the processes used to create an exact genetic replica of another cell, tissue or organism. The copied material, which has the same genetic makeup as the original, is referred to as a clone. The most famous clone was a Scottish sheep named Dolly.

There are three different types of cloning:

- Gene cloning, which creates copies of genes or segments of DNA
- Reproductive cloning, which creates copies of whole animals
- Therapeutic cloning, which creates embryonic stem cells. Researchers hope to use these cells to grow healthy tissue to replace injured or diseased tissues in the human body.

#### **Research Cloning:**

Different methods are summarized under the term “research cloning” or “therapeutic cloning” such as cell nuclear transfer, the reprogramming of differentiated cells and embryo splitting.

Using Somatic Cell Nuclear Transfer (SCNT), the nucleus of any somatic cell is transferred into an egg cell whose nucleus has been removed. The nucleus can be isolated from practically any adult somatic cell of a donor. The egg cell gained by means of puncture from the ovaries of a donor after a special hormonal treatment is then enucleated. The enucleation takes place using a micro pipette which sucks off the nucleus of the egg cell and substitutes it with the nucleus extracted from the somatic cell. The transfer of the new nucleus takes place through injecting the nucleus into the cytoplasm of the egg cell. The egg cell sends out impulses whose mode of action is so far unknown. These impulses bring about a reprogramming of the cell nucleus which causes the nucleus to lose its specialization. This way the nucleus will be restored from its already differentiated state back to the state which enables the development of the embryo.

Considering the genetic material contained in the nucleus, the cloned embryo is genetically identical with the donated nucleus. The Mitochondria, i.e. the cell components which serve the production of energy inside the cell, are derived from the egg cell. The clone developed as a result of the cell nuclear transfer is genetically almost completely identical with the donor of the transferred nucleus. A complete identity is only accomplished, when the donor of the nucleus and the donor of egg cell are genetically identical.

In addition, one procedure has been known for many years now by means of which human somatic cells can be successfully reprogrammed so that they exhibit significant characteristics of embryonic stem cells. Such cells are called induced pluripotent stem cells (also known as iPS cells). Since the iPS cells are also genetically identical with the donor's cells, this technique offers a less problematic alternative to therapeutic clones in ethical and legal terms. It is debatable whether iPS cells can evolve into totipotent cells under the condition of cell culture. However, the successful establishment of pluripotency from iPS cells of mice with the aid of the procedure of tetraploid complementation assay triggers discussion here. Considering these



results, it is doubtful whether the procedure, with respect to its ethical permissibility, is brought more closely to research cloning as well as research on donated and artificially generated embryos.

**Reproductive cloning** is defined as the deliberate production of genetically identical individuals. Each newly produced individual is a clone of the original. Monozygotic (identical) twins are natural clones. Clones contain identical sets of genetic material in the nucleus—the compartment that contains the chromosomes—of every cell in their bodies. Thus, cells from two clones have the same DNA and the same genes in their nuclei.

All cells, including eggs, also contain some DNA in the energy-generating “factories” called mitochondria. These structures are in the cytoplasm, the region of a cell outside the nucleus. Mitochondria contain their own DNA and reproduce independently. True clones have identical DNA in both the nuclei and mitochondria, although the term *clones* is also used to refer to individuals that have identical nuclear DNA but different mitochondrial DNA.

In contrast to research cloning, cloning for reproductive purposes does not include the interruption of the development of an embryo after a short time. Instead, the embryo is transferred into the uterus of a hormonally prepared surrogate mother that will then carry the pregnancy to term similar to a normal pregnancy.

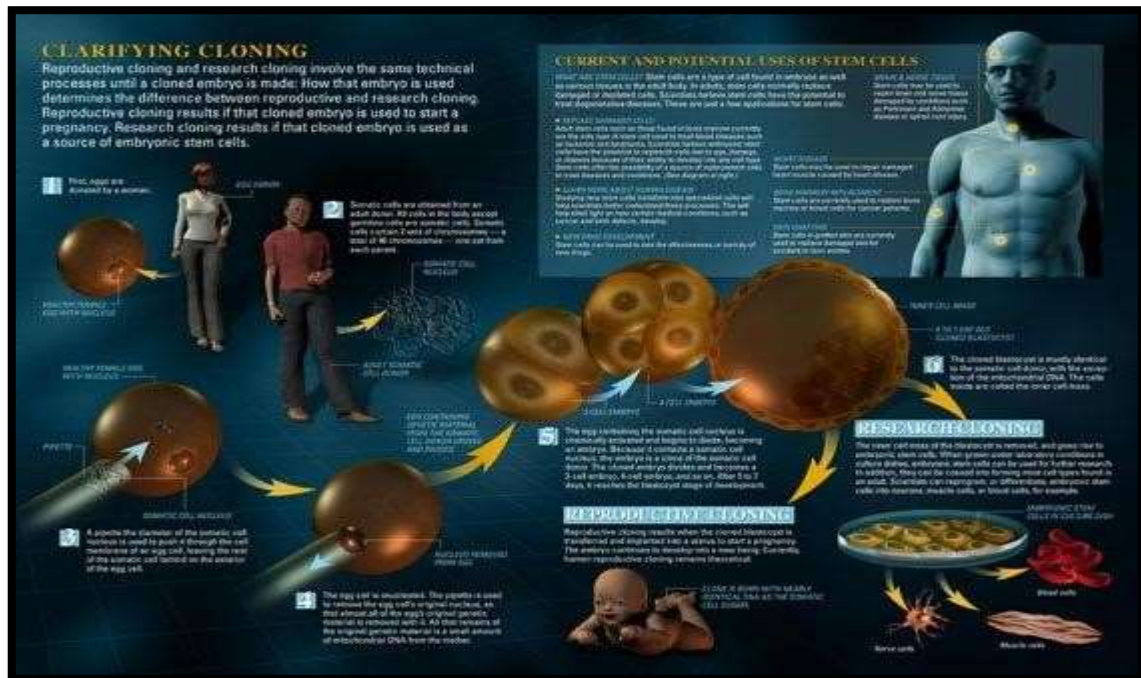
In most countries, attempts to clone humans are prohibited and – according to present knowledge – have not been realised yet.

With regard to the technical aspect, research cloning and cloning for reproductive purposes are not fundamentally different. However, it is decisive that the embryo in the case of research cloning is not implanted into the uterus in order to be born. Rather it gets destroyed in an early stage of the embryonic development (the blastocyst stage) so that embryonic stem cells can be extracted and differentiated in vitro into specific cell types. It is not inappropriate to describe the approach as “therapeutic cloning”, since there is the hope that the cells which have become available can at the end be transferred again to the donor organism for therapeutic purposes. Currently, cloning is, however, mostly conducted for research purposes, if it’s legally permitted at all.

#### **Applications of cloning:**

- Proteins, vaccines, and antibiotics are all produced by the process of cloning.
- This can include DNA copies, cells, organs, or even the complete animal aid using cloning.
- In agriculture, cloning is employed to create pest-resistant plants.
- Cloning is also utilized to create transgenic animals and for gene therapy.
- Cloning livestock is a way to duplicate a desirable combination of features, like as rapid development and abundant milk production, without the genetic "lottery" and mixing that takes place during sexual reproduction.
- It enables faster reproduction of an animal with a particular genetic change than does normal mating, such as the capacity to generate a medicine in milk.
- Additionally, it is simpler to alter a gene in cultured cells than it is in an entire animal, and the changed cell nucleus may be added to an enucleated egg to create a clone of the desired genotype.

- Cloning is used in scientific study to better understand the basic biological processes of animals used in tests, such as mice.
- Medical Applications: In medicine, cloned bacteria plays important role for the synthesis of vitamins, hormones and antibiotics.
- Agricultural Applications: cloning in Bacteria facilitates nitrogen fixation in plants.



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Golden Jubilee Year 2021-22

**LOKNETE VYANKATRAO HIRAY INNOFEST COMPETITION - 2022**  
Project / Poster Presentation University Level Competition  
with Theme Based on Sustainable Development Goals

01<sup>st</sup> Year  
75 Azadi Ka Amrit Mahotsav

**CERTIFICATE**

This is to certify that  
Mr./Mess<sup>rs</sup> Nilesh Ravindra Koli  
of L.V.H. College (Dept. of Botany)  
has successfully participated in Poster/Project Competition in the faculty Science & Technology  
and secured \_\_\_\_\_ Position in the INNOFEST competition organized on 24<sup>th</sup> April, 2022.

Dr. V. R. Nikam  
Co-ordinator

Dr. B. S. Jagdale  
Principal

Dr. Yogita Aapoorva Hiray  
Chairperson, C. D. C.



## **PROJECT 3:**

**Name of the Student: Miss. Kumavat Usha Parashram**

### **Title: Structure of cell**

#### **Introduction:**

Cells are the structural, functional, and biological units of all living beings. A cell can replicate itself independently. Hence, they are known as the building blocks of life. The study of cells from its basic structure to the functions of every cell organelle is called Cell Biology. Robert Hooke was the first Biologist who discovered cells.

All organisms are made up of cells. They may be made up of a single cell (unicellular), or many cells (multicellular). Mycoplasmas are the smallest known cells. Cells are the building blocks of all living beings. They provide structure to the body and convert the nutrients taken from the food into energy.

Cells comprise several cell organelles that perform specialised functions to carry out life processes. Every organelle has a specific structure. The hereditary material of the organisms is also present in the cells.

#### **Structure:**

The cell structure comprises individual components with specific functions essential to carry out life's processes. These components include- cell wall, cell membrane, cytoplasm, nucleus, and cell organelles..

**Cell Membrane:** The cell membrane supports and protects the cell. It controls the movement of substances in and out of the cells. It separates the cell from the external environment. The cell membrane is present in all the cells.

**Cell Wall:** The cell wall is the most prominent part of the plant's cell structure. It is made up of cellulose, hemicellulose and pectin. It provides shape and support to the cells and protects them from mechanical shocks and injuries.

**Cytoplasm:** The cytoplasm is a thick, clear, jelly-like substance present inside the cell membrane. Most of the chemical reactions within a cell take place in this cytoplasm. The cell organelles such as endoplasmic reticulum, vacuoles, mitochondria, ribosomes, are suspended in this cytoplasm.

**Nucleus:** The nucleus contains the hereditary material of the cell, the DNA. It sends signals to the cells to grow, mature, divide and die.

#### **Cell Organelles:**

Cells are composed of various cell organelles that perform certain specific functions to carry out life's processes. The different cell organelles, along with its principal functions, are as follows:

**Nucleolus:** The nucleolus is the site of ribosome synthesis. Also, it is involved in controlling cellular activities and cellular reproduction

**Nuclear membrane:** The nuclear membrane protects the nucleus by forming a boundary between the nucleus and other cell organelles.

**Chromosomes:** Chromosomes play a crucial role in determining the sex of an individual. Each human cells contain 23 pairs of chromosomes.

**Endoplasmic reticulum:** The endoplasmic reticulum is involved in the transportation of substances throughout the cell. It plays a primary role in the metabolism of carbohydrates, synthesis of lipids, steroids and proteins.

**Golgi Bodies:** Golgi bodies are called the cell's post office as it is involved in the transportation of materials within the cell.

**Ribosome:** Ribosomes are the protein synthesisers of the cell.

**Mitochondria:** The mitochondrion is called “the powerhouse of the cell.” It is called so because it produces ATP – the cell's energy currency.

**Lysosomes:** Lysosomes protect the cell by engulfing the foreign bodies entering the cell and help in cell renewal. Therefore, they are known as the cell's suicide bags.

**Chloroplast:** Chloroplasts are the primary organelles for photosynthesis. It contains the pigment called chlorophyll.

**Vacuoles:** Vacuoles store food, water, and other waste materials in the cell.

## **Functions of Cell**

A cell performs major functions essential for the growth and development of an organism. Important functions of cell are as follows:

- Provides Support and Structure
- Facilitate Growth Mitosis
- Allows Transport of Substances
- Energy Production
- Aids in Reproduction





## PROJECT 4:

**Name of the Student: Miss. Shitole Yamuna Gopal**

**Title: Internal structure of a flower**

### **Introduction:**

Flowers are introduced as the reproductive part of a plant. They are not only involved in reproduction but are also a source of food for other living organisms. They are a rich source of nectar. Flowers can either be

- Complete                      Incomplete.

A complete flower is one that consists of sepals, petals, stamens and pistils. On the contrary, an incomplete flower is one that lacks one or more of these structures.

A complete flower consists of two different parts:

- Vegetative Part
- Reproductive Part

### **Parts of a Flower:**

The calyx, corolla, androecium, and gynoecium are four whorls of modified leaves that constitute the flower. The sepals, petals, stamens, and pistils, respectively, constitute one of the flower parts in each of these whorls.

The different parts of a flower are mentioned below:

#### Vegetative Parts of a Flower:

The vegetative part of a flower consists of the following:

- **Petals:** This is a bright-coloured part that attracts bees, insects, and birds. The colour of petals varies from plant to plant; some are bright while some are pale coloured. Thus, petals help us to differentiate one flower from another.
- **Sepals:** Sepal is the green-coloured part beneath the petals to protect rising buds. Some flowers have fused petals-sepals while a few have separated petals-sepals.

#### Reproductive Parts of a Flower:

Flowers contain the plant's reproductive structures.

In different plants, the number of petals, sepals, stamens and pistils can vary. The presence of these parts differentiates the flower into complete or incomplete. Apart from these parts, a flower includes reproductive parts – the stamen and pistil. A flower may have only female parts, only male parts, or both.

The reproductive parts of a flower consist of the following:

- **Stamen:** This is the male reproductive organ and is also known as Androecium. It consists of two parts namely: anther and filaments.



1. The anther is a yellowish, sac-like structure, involved in producing and storing the pollens.
  2. The filament is a slender, threadlike object, which functions by supporting the anther.
- **Pistil:** This is the innermost part and the female reproductive organ of a flower which comprises three parts -stigma, style and ovary. This is collectively known as the pistil.
    1. Stigma: It is the topmost part or receptive tip of carpels in the gynoecium of a flower.
    2. Style: It is the long tube-like slender stalk that connects the stigma and the ovary.
    3. Ovary: It is the ductless reproductive gland that holds a lot of ovules. It is the part of the plant where the seed formation takes place.

### Functions of a Flower:

The important functions of flowers are mentioned below:

1. Gametophytes develop in the flowers.
2. The flowers can produce diaspores without fertilization.
3. After fertilization, the ovary of the flower develops into a fruit containing a seed.
4. The most important function of flowers is reproduction. They help in the union of male and female gametes.
5. Flowers provide nectar to certain birds and insects, which in turn help in the transfer of pollen from one flower to the other.
6. Flowers may promote selfing, i.e., the union of sperms and eggs from the same flower, or cross-fertilization, i.e., the union of sperms and eggs from different flowers.





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**Golden Jubilee Year 2021-22**



**LOKNETE VYANKATRAO HIRAY INNOFEST COMPETITION - 2022**

Project / Poster Presentation University Level Competition  
with Theme Based on Sustainable Development Goals



## CERTIFICATE

Mr./Miss/ Mrs. Shitale Yamuna Vittal This is to certify that  
of Loknete Vyankatrao Hiray Arts, Science and Commerce College Panchavati Nashik.  
has successfully participated in Poster/ Project Competition in the faculty Science and Technology  
and secured \_\_\_\_\_ Position in the INNOFEST competition organized on 24<sup>th</sup> April, 2022.

Dr. V. R. Nikam  
Co-ordinator

Dr. B. S. Jagdale  
Principal

Dr. Yogita Aapoorva Hiray  
Chairperson, C. D. C.



## PROJECT 5:

**Name of the Student: Miss. Valvi Pallavi Madhukar**

**Title: Environment protection strategies**

### **Introduction:**

Human existence is quite impossible without the presence of a healthy ecosystem.

Our environment comprises all living and non-living components and their interactions within a natural habitat. Environmental conservation has become one of the core issues that need to be addressed to battle climate change and global warming. Sustainable development is the need of the hour that can save mother earth from the repercussions of industrialization. Environmental conservation is a practice that paves the way for protecting the environment and natural resources on the individual, organisational as well as governmental levels.

Various core environmental issues are taking a heavy toll on human lives. Ranging from overpopulation, hydrological issues, ozone depletion, and global warming to deforestation, desertification and pollution, all these issues pose a severe threat to the existence of humankind.

The following pointers elucidate this crucial need to save the environment from further degradation:

- To reduce air, water and land pollution
- To facilitate the conservation of natural resources for our future generations
- To ensure the protection of biodiversity
- To implement sustainable development
- To restore the ecological balance
- To save our planet from harmful repercussions of global warming

### **Strategies:**

- **Reduce, reuse, and recycle.** Cut down on what you throw away. Follow the three "R's" to conserve natural resources and landfill space.
- **Volunteer:** Volunteer for cleanups in your community. You can get involved in protecting your watershed, too.
- **Educate.** When you further your own education, you can help others understand the importance and value of our natural resources.
- **Conserve water.** The less water you use, the less runoff and wastewater that eventually end up in the ocean.
- **Choose sustainable.** Learn how to make smart seafood choices.
- **Shop wisely.** Buy less plastic and bring a reusable shopping bag.
- **Use long-lasting light bulbs.** Energy efficient light bulbs reduce greenhouse gas emissions. Also flip the light switch off when you leave the room.
- **Plant a tree.** Trees provide food and oxygen. They help save energy, clean the air, and help combat climate change.
- **Don't send chemicals into our waterways.** Choose non-toxic chemicals in the home and office.
- **Bike more.** Drive less



S.B. Shisole  
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 Coordinator Research Centre  
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**Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati,  
Nashik-3**

**Department of Geography  
LVH INNOFEST 2022 & AVISHKAR-2022-23**

**List of Participants**

Sr. No.	Name of the Participant	Class	Topic of the Poster/ Project Presentation	Remarks
<b>LVH INNOFEST 2022</b>				
1.	Vaishnavi Jayant Patil	S.Y.B.A.	PUC Intimation System	3 <sup>rd</sup> Prize
<b>AVISHKAR 2022</b>				
2.	Megha Dilip Bhamare	MA – II	To Study of Socio-economic background of the krushnagaon village (Dindori Tahsil)  South West Monsoon rainfall fluctuation and drought prone tahsil in Nashik District	Participation Certificate
3.	Komal Devidas Matsagar	MA – II		Participation Certificate
4.	Mahale Pavan Laxman	MA – II		Participation Certificate
5.	Vaidya Jay Madhukar	MA – II		Participation Certificate
6.	Patil Vaishnavi Jayant	TYBA	PUC Intimation System	Participation Certificate

**INNOFEST -2022**

**PROJECT 1: Name of The Student: Miss. Vaishnavi Jayant Patil  
Title: PUC Intimation System.**

**Introduction:**

“PUC Intimation System” is a simple system which is used to determine the harmful composition given out by vehicle so as to keep environment pollution free and it will also be helpful for time to time maintenance of our vehicles.

**Working of the Model:**

1. Take main power supply from main switch board and apply to the transformer
2. The output of transformer is given to the power supply system which will power entire system with 5 volt DC and 12 volt DC.
3. Micro-controller is a chip (IC) like device which act as a brain. It's a sensitive device this response from smoke sensor given to the controller. Firstly it will turn off the DC and secondly if will turn on buzzer.
4. This PUC level is always displayed on the LCD Screen.



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**Golden Jubilee Year 2021-22**



## LOKNETE VYANKATRAO HIRAY INNOFEST COMPETITION - 2022

Project / Poster Presentation University Level Competition  
with Theme Based on Sustainable Development Goals



### CERTIFICATE

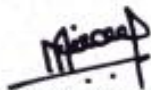
Mr./Miss/ Mrs. Valshnavi Jayant Patil This is to certify that  
of M.G.V's Loknete Vyankatrao Hiray College, Panchavati, Nashik, 03.  
has successfully participated in Poster/ Project Competition in the faculty Humanities  
and secured 3rd Position in the INNOFEST competition organized on 24<sup>th</sup> April, 2022.



Dr. V. R. Nikam  
Co-ordinator



Dr. B. S. Jagdale  
Principal

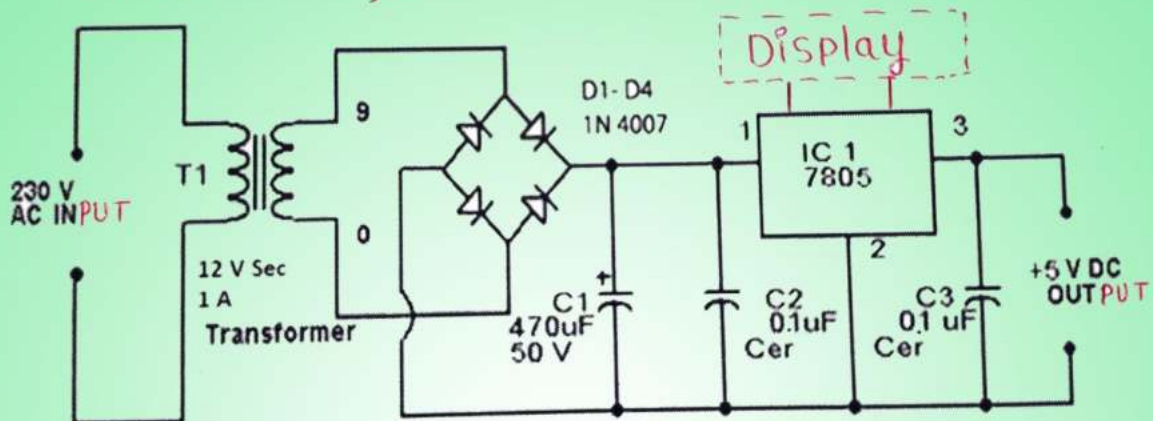


Dr. Yogita Aapoorva Hiray  
Chairperson, C. D. C.



# PUC Intimation System

## Circuit Diagram -



AIM- "PUC Intimation System" is a simple system which is used to determine the harmful composition given out by vehicle so as to keep environment Pollution free and it will also be helpful for time to time maintenance of our vehicle.

WORKING - 1. Take main power supply from main switch board & apply to the transformer.

2. The output of transformer is given to the power supply system which will power entire system with 5 volt DC & 12 volt DC.

3. Micro- controller is a chip (IC) like device which act as a brain. it's a sensitive device this responds from smoke sensor given to the controller. firstly it will turn off the DC and secondly it will turn on buzzer. This PUC level is always display or showed on the LCD screen.

4. It is prototype model.



**AVISHKAR -2022-23**

**POSTER 1: Name of The Student: Miss. Megha Dilip Bhamare and Miss. Komal Devidas Matsagar**

**Title: To Study of Socio-economic background of the Krushnagaon village (Dindori Tahsil)**

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**Introduction:**

The aim of the study is to focus upon the socio-economic and occupational structure as well as to analyse the problems of the villagers and suggest the plan for their development. The selected village is Krishnagaon Village of Dindori Tehsil in Nashik District. Primary data has been collected using questionnaires.

**Explanation:** Age-sex Ratio, Marital Status, Literacy and Average Monthly Income is calculated collecting the primary data. 120 sample families were selected out of 452.

**Conclusion:** Sex ratio is 1032. 51.93% people are married, 3.22% people are widows. Total Literate population of village is 415 (66.72%)- 235 males (76.79%), Female 180 (65.51%). 55.48% families found under very low monthly income group, 1.29% families observed high monthly income and 5.16% families have very high monthly income.

**References:**

1. Agrawal, S. N. (1972), "India's Population Problems", Tata McGraw-Hill Publishing Co. Ltd.
2. Bose, A., Ed. (1967), "Patterns of Population Change in India, 1951-61", Allied Publishers
3. Chourudule, P.B., (1975), "Rural Landuse: A Study in Methods", The Deccan Geographers, Secunderabad,
4. District Statistical Handbook Nashik, 1970-71 to 1980-81., 1990-91 and 2000-2001.
5. Socio-economic abstract – Nashik District (2010-11)



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SUBJECT



## AVISHKAR COMPETITION – 2022-23

Project / Poster Presentation College Level Competition

## CERTIFICATE

Miss/Mrs./Mr. **Megha Dilip Bhamare / Komal Devidas Matsagar**  
of MA-II has successfully participated in Avishkar Poster/ Project Competition  
To study of socio- economic background of the Krushnagaon village (Dindori Tahsil)  
under the faculty of Humanities, Languages, Fine Arts, etc. in the Avishkar competition organized on 15<sup>th</sup>  
September, 2022.

DR. V. R. Nikam

Academic Research Co-ordinator

Dr. B. S. Jagdale

Principal

Dr. Yogita Aapoorna Hiray

Chairperson, C. D. C.

## Socio-Economic Background of Krushnagaon Village (In Dindori Tahsil)

### Introduction

An attempt has been made here to focus upon the socio-economic and developmental structure as well as to analyze the problems of the villages and suggest the plan for their development. We have selected Krushnagaon village of Dindori tahsil in Nashik district. The village has 4351 population. The socio-economic survey includes the sex ratio, age sex composition, marital status, literacy, family structure, house type, area of the house, total income in the house, agricultural land belonging to each family, types of agriculture, monthly income of the families, education and health care of each family in Krushnagaon village.

### Study Area

Krushnagaon is located between 20°31'59" N to 20°31'53" N latitude and 73°08'24" E to 73°08'35" E longitude. It is situated on the left bank of River Godavari (Bendur) in the upper Dindori tahsil. It is surrounded by Vaid Village to the North, Pandur Village to the East, Chaudhari village to the South, and Krushnagaon village to the West. Krushnagaon village has an area of 817.83 hectares. The main stream River Godavari (Bendur) flows from north to the east proportion of the village.

### Database & Methodology

The primary data was collected by door to door interviews of villagers using questionnaires. The secondary data was collected by published and unpublished materials from various offices/departments in Revenue and others. To calculate age sex ratio, marital status, literacy and average monthly income use SPSS software and various statistical techniques.

Participants Name:  
Megha Dilip Bhamare (P.A. in Geography)  
Komal Devidas Matsagar (M.A. in Geography)  
Guide:  
Dr. M. R. Nagar (Geography)  
L.N.H. College Panchavati Nashik.

### Aims and Objectives

- To study the Socio-Economic Background of Village.
- To study the Age Sex Structure of the village.
- To study the Marital Status of the village.
- To study the Literacy Structure of the village.
- To study the Economic Structure of the village.

### Socio-Economic Background

#### Map of Krushnagaon Village



#### Age Sex Ratio

Sr. No.	Age Group	Male	Female	Total
1	Up to 10 yr.	55	65	120
2	10 to 20	50	70	120
3	20 to 30	65	54	119
4	30 to 40	43	43	86
5	40 to 50	48	39	87
6	50 to 60	18	19	37
7	60 to 70	14	17	31
8	Above 70	9	13	22
	Total	306	326	632

#### Marital Status

Sr. No.	Status	Male	Female	Total	%
1	Married	162	161	323	51.10
2	Unmarried	137	143	280	44.88
3	Widowed	87	13	100	15.02
	Total	386	316	702	100

#### Literacy

Literate		Illiterate	
Male	235 76.79 %	Male	71 22.21 %
Female	180 55.86 %	Female	138 43.04 %
Total	425 66.72 %	Total	209 49.38 %

#### Average Monthly Income

Sr. No.	Income Level	Range in Rs.	No. Of Families	Percentage
1	Very low	Below 5000	79	65.83 %
2	Low	5001 to 10000	29	24.84 %
3	Medium	10000 to 15000	12	10.00 %
4	High	15000 to 20000	04	3.33 %
5	Very high	Above 20000	04	3.33 %
	Total		126	100 %

### Need of the Study

After the study of Socio-Economic Background we can know the exact information about population growth, social structure, marital status, age sex structure, literacy and economic structure. With reference to this, we can predict the upcoming problems and threats faced by the society. We can find solutions on the problem and decrease the intensity of it. We can apply population controlling and many other schemes to it.

### Conclusion

There were total 432 families out of 437 families we covered 128 families (29.64 percentage families we cover for survey). Out of these 128 families there are 34 joint families and 36 independent families. Total surveyed population of Krushnagaon village is 632, consisting 306 male and 326 female, the percentage being 48.26 and 51.74 respectively, which indicates greater percentage of female over male. As such the sex ratio is 932 females per 1000 males (2012-2018). The marital status of this village is that 51.99 percent people are married, while 44.88 percent people are unmarried and 3.22 percent people are widowed. Total literate population of the village is 425 (66.71 percentage), out of this 235 (55.29 percentage) in male population while 180 (42.50 percentage) in female population. As compared to the district literacy, the literacy rate of this village is high. Male literacy rate is high (78.75 percentage) as compared to female literacy rate (55.86 percentage). According to the monthly income classification, 65.83 percent (83) families found under very low monthly income group and only 3.33 percent (4) families found under high monthly income, and 5.18 percent (6) families having very high monthly income.

### Reference

- Agarwal, S. K., India's Population Problems, Tata Mc Graw-Hill Publishing Co. Ltd., Bombay, 1971.
- Dev, A. B., Patterns of Population Change in India, 1951-1961, Allied Publishers, 1967.
- Chandrasekhar, P. B., 1975, Rural Landuse: A Study in Madhya Pradesh, The Devraj Geographical Society, 131 and 2.
- District Statistical Handbook, Nashik, 1976-77 to 1980-81, 1990-91 and 2000-2001.
- Socio-economic abstract-Nashik District (2000-11)

1P524

**POSTER 2: Name of The Student: Mr. Mahale Pavan Laxman & Mr. Jay Madhukar Vaidya**

**Title: South West Monsoon rainfall fluctuation and drought prone tahsil in Nashik District**

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**Introduction:**

Climate is a main role player in economic development of the country especially rainfall matters must in the Agricultural development and the rural & urban areas basic water needs. Now a days Earth is facing unevenness of the overall rainfall pattern due to some physical and human made interruptions and wrong agricultural and industrial practices. In Maharashtra most of the area having rainfall scarcity, most of the tehsils are affecting badly in the vicious circle of the drought and its dangerously connected with the Crime, Unemployment, Low living of Standard, Slums, Migration, Unhealthy environments, etc.

**Key Words:** Drought, Susceptible, Rainfall, Fluctuations, Well-being, Monsoon, Variability

**Results & Discussion:** Drought is the result of variability of climate. Climatology is the scientific study of Spatio-temporal characteristics and variation of climatic elements like rainfall, temperature, evapotranspiration, humidity, pressure, winds and air masses. The climate is the average study of weather. The standard average periods for climatic analysis are 30 years defined by the World Meteorological Organization (WMO). Here we are concern with the rainfall as a one major component of the climate and directly connected with the droughts.

**References:**

1. Ali Mohammad, 1979, "Dynamics of Agricultural Development in India" (Ed.), Concept Publication, New Delhi.
2. A.S.Gadgil (1982), Ph.D. Thesis submitted to the University of Pune on "Geographical Climatology of Maharashtra"
3. Barry, R.G. and R.J.Chorley (1982), Atmosphere, Weather and Climate, Methuen
4. Critchfield, H.J., (1975), General Climatology, Prentice Hall
5. Symons, I. (1967), "Agricultural Geography",





Mahatma Gandhi Vidyamandir's  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College**  
 Panchavati, Nashik - 422003  
 Affiliated to Savitribai Phule Pune University, Pune  
 Re-accredited by NAAC with 'A' Grade & Recipient of 'Best College Award' by SPPU, Pune

SUBJECT



**AVISHKAR COMPETITION – 2022-23**  
 Project / Poster Presentation College Level Competition

## CERTIFICATE

Miss/Mrs./Mr. **Mahale Pavan Laxman**  
 of MA-II geography has successfully participated in Avishkar Poster/ Project Competition  
**South West Monsoon rainfall fluctuation and drought prone tashil in Nashik district**  
 under the faculty of **Pure Sciences** in the Avishkar competition organized on 15<sup>th</sup> September, 2022.

**DR. V. R. Nikam**  
 Academic Research Co-ordinator

**Dr. B. S. Jagdale**  
 Principal

**Dr. Yogita Aapoorva Hiray**  
 Chairperson, C. D. C.

### SOUTH WEST MONSOON RAINFALL FLUCTUATION AND DROUGHT PRONE AREA IN NASHIK DISTRICT

**Abstract**  
 Climate is a main role player in economic development of the country especially rainfall matters more in the Agricultural development and the rural and Urban areas basic water needs. Now a days Earth is facing succumbance of the overall rainfall pattern due to some physical and human made interruptions and wrong agricultural and industrial practices. In Maharashtra most of the area having rainfall scarcity, most of the Tahsil are afflicting badly in the vicious circle of the drought and its desperately connected with the Crisis, Unemployment, Low living of Standard Status Migration, unhealthy environment etc.  
**Key Words:** Drought, Susceptible, Rainfall Fluctuation, Well-Being, Monsoon, Variability.

**Methodology**  
 This study is depending upon last 37 years data of rainfall which is obtained from India Meteorological Department, Pune and Hydrological Department, Nashik. We are using following Statistical methods for analysis of Drought areas of the District.

1. Mean is calculated by using the following formula.

$$\bar{X} = \frac{\sum X}{n}$$

Where,  $\bar{X}$  = mean  $\sum X$  = is the sum of the rainfall values = total number of values.

2. Trend Analysis by Statistical Technique
3. Geoinformatics (Arc-GIS) for Mapping Drought Susceptible Areas

**Study Region**  
 Nashik district lying between 19°15'15" North latitude to 20°51'00" North latitude and 73°16'00" East longitude to 74°56'27" East longitude, with an area 15530 sq.km. and population of 6,399,052, as per the 2011 census. There are 15 Tahsil and 66 revenue circles are in the Nashik district.

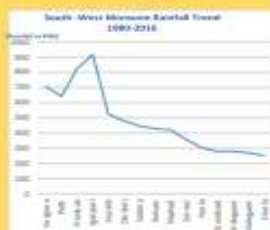
Nashik district is situated in the Deccan trap of Maharashtra, which is partly in the Tapi Basin and partly in the upper Godavari Basin. The main source of hills in the Sahyadri which is runs North-South in the western proportion of the district. Ajanta range which runs right across the district. It acts as a watershed between the Ghats and its vibration which runs towards the Tapi to the north and the Godavari and its vibration to the south.



Drought Susceptible Tahsil in Nashik District

- 1) To find out South-West Monsoon Trend of the Nashik District from 1980 to 2016
- 2) To evaluate spatial and temporal change in Rainfall
- 3) To Identify Drought susceptible Tahsil in Nashik District

**Results & Discussion**  
 Drought is the result of Variability of Climate. Climatology is the scientific study of Space-temporal characteristics and variation of climatic elements like rainfall, temperature, evapotranspiration, humidity, pressure, winds and air masses. The climate is the average study of weather. The standard average periods for climatic analysis are 30 years defined by the World Meteorological organization (WMO). Here we are Connects with the Rainfall as a one major component of the Climate and directly connected with the droughts.



#### References

1. Ali Mohammad, 1979, "Dynamics of Agricultural Development in India" (Ed.), Concept Publication, New Delhi.
2. A.S. Gadgil (1982) Ph.D. Thesis submitted to the University of Pune on "Geographical Climatology of Maharashtra".
3. Barry, R.G and R.J. Chorley, Atmosphere, Weather and Climate, Methuen, 1982.
4. Crichtfield, H.J. General Climatology, Prentice Hall, 1975.
5. Synnau, L. 1967 "Agricultural Geography" G. Ball and Sons, London.
6. [www.ircsp.gov.in](http://www.ircsp.gov.in)
7. [www.india.gov.in](http://www.india.gov.in)

Sl. No.	Tahsil	Months											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	Bargosa	5.14	5.14	15.34	15.34	17.36	17.36	17.36	17.36	17.36	17.36	17.36	17.36
2	Fuli	6.25	6.25	20.34	20.34	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36
3	Trimbak	6.25	6.25	20.34	20.34	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36
4	Indur	9.32	9.32	21.34	21.34	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36
5	Nashik	3.06	3.14	14.34	14.34	16.36	16.36	16.36	16.36	16.36	16.36	16.36	16.36
6	Indur	3.06	3.14	14.34	14.34	16.36	16.36	16.36	16.36	16.36	16.36	16.36	16.36
7	Indur	3.06	3.14	14.34	14.34	16.36	16.36	16.36	16.36	16.36	16.36	16.36	16.36
8	Kalam	2.16	2.16	17.34	17.34	19.36	19.36	19.36	19.36	19.36	19.36	19.36	19.36
9	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
10	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
11	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
12	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
13	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
14	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
15	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
16	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
17	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
18	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
19	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36
20	Nashik	2.09	2.14	16.34	16.34	18.36	18.36	18.36	18.36	18.36	18.36	18.36	18.36

Monthly Average Rainfall (MM) Nashik District Year: 1980-2016

Participants  
 1. Mr. Pavan Laxman Mahale (MA-Geography)  
 2. Mr. Jay Madhukar Vaidya (MA-Geography)  
 Guidance  
 Dr. R.A. Jadhav, Assistant Professor, Department of Geography, L.V.P. College, Panchavati, Nashik

**PROJECT 1: Name of The Student: Miss. Vaishnavi Jayant Patil**  
**Title: PUC Intimation System.**


**Introduction:**

“PUC Intimation System” is a simple system which is used to determine the harmful composition given out by vehicle so as to keep environment pollution free and it will also be helpful for time to time maintenance of our vehicles.

**Working of the Model:**

1. Take main power supply from main switch board and apply to the transformer
2. The output of transformer is given to the power supply system which will power entire system with 5 volt DC and 12 volt DC.
3. Micro-controller is a chip (IC) like device which act as a brain. It's a sensitive device this response from smoke sensor given to the controller. Firstly it will turn off the DC and secondly if will turn on buzzer.
4. This PUC level is always displayed on the LCD Screen.



  
**Dr. R.V. Patil**  
**Head**  
**Department of Geography**  
**Loknete Vyankatrao Hiray**  
**Arts, Science & Commerce College,**  
**Panchavati, Nashik - 3.**

Mahatma Gandhi Vidyamandir's,  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College,**  
 Panchavati, Nashik – 422003  
**DEPARTMENT OF MARATHI**  
**INNOFEST 2021-22**

Sr. No.	Name of the Participant	Class	Topic of the Poster/Project Presentation	Remarks
1.	Sujata Dilip Bhamare	M.A. - I	Automatic Car Parking System	Participation Certificate

#### CONCLUSION :

The main reason for parking systems is there is a lack of parking spaces in metropolitan cities. This due to the cities was developed a long time back when cars were considered a luxury. But due to various factors, cars have moved from a luxury owned by 1% to a necessity that the medium class owns, which is around 40% to 60%. Hence traditional parking solutions would not hold today. In this paper, the various types of parking systems are discussed, in which some are automated whereas others are manual. The advantages and limitations of the different types of parking systems were also discussed. The selection of the parking system depends on the cost of the system, the maintenance cost, and the area available for implementing the system. In this paper, the concept of smart parking was also discussed, which uses sensors and IoT to detect whether there is a free parking space available or not.

#### FUTURE SCOPE

This project will prevent rush for parking slots in the future. Thus it can be widely used in malls and business buildings or crowded areas where a large number of people can share a parking area. This Smart Car Parking system will reduce time-wastage, long queues, tension, and increase the efficiency of the parking system.

#### REFERENCE

- Jog, Yatin, et al. "Understanding Smart and Automated Parking Technology." International Journal of U- and e-Service, Science and Technology, no. 2, NADIA, Feb. 2015, pp. 251-62. Crossref, doi:10.14257/ijunesst.2015.8.2.25.
- Viral Science - Youtuber
- Muhammad Ansar - Youtuber (we get the code from github)
- Albagul, Abdulgani & Alsharef, K & Saad, Mustafa & Abujecla, Y. (2013). Design and Fabrication of an Automated Multilevel Car Parking System. Manufacturing Engineering, Automatic Control, and Robotics.

parking area when that vehicle occupies a slot then the LED display shows that the slot is full. In this way, this system automatically allows 4 vehicles.

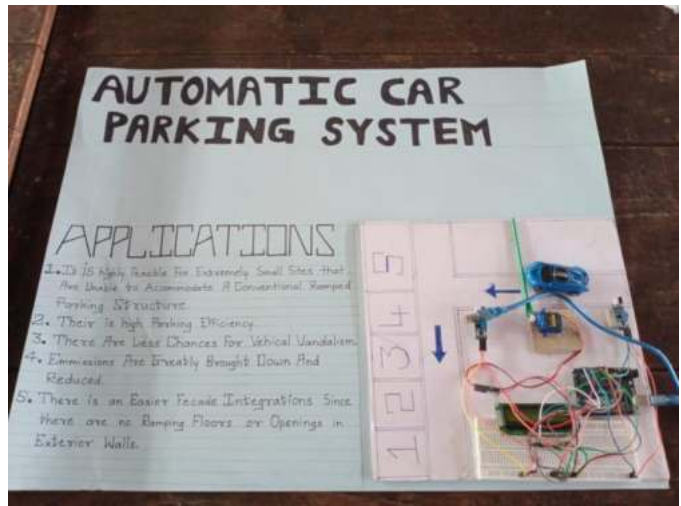
In case the parking is full, the system blocked the entrance gate by closing the servo barrier. And the LED display shows that slot-1, 2, 3, and 4 all are full. When a vehicle leaves a slot and arrives at the gate of the parking area then the IR sensor-2 detects that vehicle and the system open the servo barrier. Then the LED display shows that the slot is empty. Again the system will allow entering a new vehicle

#### Advantage and Application :-

There is a greater sense of security due to the fact that patrons do not actually walk to and from their own space.

- \* It is highly feasible for extremely small sites that are unable to accommodate a conventional ramped parking structure.
- \* There is high parking efficiency (i.e. st/space and ct/space).
- \* There is no need for driving while looking for an available space.
- \* Emissions are greatly brought down and reduced.
- \* The patrons wait for their car in a highly controlled environment.
- \* There are less chances for vehicle vandalism.
- \* There is a minimal staff requirement if it is used by known parkers.
- \* It is possible that the retrieval time is lower than the combined driving/parking/walking time in conventional ramped parking structures.
- \* There is an easier facade integration since there are no ramping floors or openings in exterior walls.





#### BLOCK DIAGRAM :-



#### COMPONENT SPECIFICATION :-



#### 1. ARDUINO UNO R3

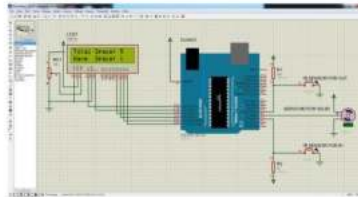
Arduino Uno is an ATmega 328p Microcontroller based prototyping board. It is an open source electronic prototyping platform that can be used with various sensors and actuators. Arduino Uno has 14 digital I/O pins and 5 Analog pins. It has 32kb Flash Memory, 2kb Static RAM, 1kb of EEPROM (Electrical erasable programmable read only memory), 16MHz clock speed.

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16x2 LCD is a 32 digits display screen for all kinds of CMOS/TTL devices. This word comes from the liquid crystal and 16X2 represents its screen size. In Liquid crystal display 16x2, there are 2 rows and 16 columns. Besides, 5x8 pixel makes a single digit. Any digit from ASCII code is viewable on the module. It supports the custom signs and designs but those require some specific methods and have some limitations. This display module has too much use in most of the commercial projects and there is almost a library in every programming language about it. The premade libraries made it easy to interface with other devices.

#### HARDWARE DESIGNING:-

##### Circuit Diagram :-



##### Working :

After assembling all components according to the circuit diagram and uploading the code to the Arduino board. Now place the sensors and servo motor at accurate positions. There are four parking slots in this project. IR sensor-1 and 2 are placed at the entry and exit gate respectively and a servo motor is used to operate the common single entry and exit gate. The LCD display is placed near the entry gate. In the beginning, when all parking slots are empty, then the LCD display shows all slots are empty.

When a vehicle arrives at the gate of the parking area then the IR sensor-1 detects the vehicle and the system allowed to enter that vehicle by opening the servo barrier. After entering into the

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#### 2. IR SENSOR



An Infrared light-emitting diode (IR LED) is a special purpose LED emitting infrared rays ranging from 700 nm to 1 mm wavelength. Different IR LEDs may produce infrared light of differing wavelengths, just like different LEDs produce light of different colors. IR LEDs are usually made of gallium arsenide or aluminium gallium arsenide. In complement with IR receivers, these are commonly used as sensors. The appearance of IR LED is same as a common LED. Since the human eye cannot see the infrared radiations, it is not possible for a person to identify if an IR LED is working.

#### 3. DC SERVO MOTOR (HC-SR04)



The Tower Pro SG90 is a simple Servo Motor which can rotate 90 degrees in each direction . (approximately 180 degrees in total )

#### 4. 16\*2 LCD DISPLAY



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**M.G. Vidyamandir's**  
**L.V.H. Arts, Science & Commerce College, Nashik-422003**

**DEPARTMENT OF MATHEMATICS**

**STUDENT PROJECT DETAILS**

**(Participated in LVH INNOFEST-2022)**

Sr. No.	Name of the Students	Class	Name of Project
1	Mahajan Bhagyashri	M.Sc. - II	Footstep Voltage Generator
	Hiray Bhavana		
	Jadhav Sapana		
	Kokatara Ashwini		
2	Sayyed Karishma Papa	M.Sc. - II	GPS Navigator with Narration system and security alert
	Sayyed Muskan Nijam		
	Mansuri Rida		
	Hashmuddin		
	Salunke Gaurav		
	Bhoknal Kedu		
3	Dhanashri K. Hire	M.Sc.-II	Seed sewing machine & organic fertilizers
	Kanchan D. Satpute		
	Prajakta D. Kulkarni		
	Ashwini S. Aher		



## **M.G. Vidyamandir's**

**L.V.H. Arts, Science & Commerce College, Nashik-422003**

### **DEPARTMENT OF MATHEMATICS**

Name of Project - Footstep Voltage Generator

Name of Students - 1. Mahajan Bhagyashri  
2. Hiray Bhavana  
3. Jadhav Sapana  
4. Kokatare Ashwini

Class – M.Sc. –II

Information -

In this project our student can generate a voltage by footsteps. As we know in the railway station and the bus stop there are many footsteps, the places like this they can placed a coin sensor from which generate a voltage by tapping that coin sensor. After generating this voltage they can store in the battery and use in many more thinks.

Photos –



Outcomes –

1. Our students developed their knowledge in the field of electronic science.

**M.G. Vidyamandir's**

**L.V.H. Arts, Science & Commerce College, Nashik-422003**

**DEPARTMENT OF MATHEMATICS**

Name of Project - GPS Navigator with Narration system and security alert

Name of Students - 1. Sayyed Karishma Papa  
2. Sayyed Muskan Nijam  
3. Mansuri Rida Hashmuddin  
4. Salunke Gaurav  
5. Bhoknal Kedu

Class – M.Sc. –II

Information -

In this project our student present the global positioning system (GPS) is a spaced based radio navigation system consisting of a constellation of satellites broad casting navigation, network and signals of ground stations.

Photos –



Outcomes –

1. One of the best facts of GPS tracking in Innovation of automatic vehicles.

## **M.G. Vidyamandir's**

**L.V.H. Arts, Science & Commerce College, Nashik-422003**

### **DEPARTMENT OF MATHEMATICS**

Name of Project - Seed sewing machine & organic fertilizers

Name of Students - 1. Dhanashri K. Hire  
2. Kanchan D. Satpute  
3. Prajkta D. Kulkarni  
4. Ashwini S. Aher

Class – M.Sc. –II

Information –

Our students collect the mulch and decomposed it for 10 days and added cow urine to make compost. Instead of buying expensive fertilizer from outside, our students helped the farmer by making homemade fertilizer from tree mulch.

Photos –



Outcomes –

1. Students made sustainable products from waste and managed organic fertilizers from mulch.





**Mahatma Gandhi Vidyamandir's**  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati,**  
**Nashik-3**  
**Department of Zoology**  
**LVH INNOFEST 2022**

**List of Participants**

Sr. No.	Name of the Participant	Class	Topic of the Poster/ Project Presentation	Remarks
1.	Ranade Pallavi	M.Sc II	Peculiarities of Migratory and Local Birds at Nandurmadhmeshwar Bird Sanctuary.	Participation Certificate
2.	Gangurde Sagarika & Ahire Akshata	M.Sc II	Importance of Mangrove Trees. Biological Name: Rhizophora mangle	Participation Certificate
3.	Patil Ganesh	M.Sc II	Diseases of Grape Plants	Participation Certificate
4.	Magar Devendra & Jaywant Deore	M.Sc II	Vermicomposting and biochemical properties of vermicompost	Participation Certificate
5.	Roopali Jadhav	M.Sc II	Most Common Zooplankton of Potable Water Resource, Kashyapi Dam from Nashik	Participation Certificate

**POSTER 1: Name of The Student: Ms. Ranade Pallavi**

**Title: Peculiarities of Migratory and Local Birds at Nandurmadhmeshwar Bird Sanctuary.**

**Introduction:**

Birds are easy to define. They are the only feathered creature in the world. At first sight it might seem that all birds have most characteristics in common. A closer look will show that in fact bird life includes many forms which are very different from each other.

It includes birds which make two long distance migratory journeys every year and other who spend their lifetime in the vicinity of one locality. Many specialized adaptations may be seen in the feet and beaks. All modern birds have evolved beaks which are lightweight, multipurpose tools. Here we take opportunity to present the variation in beaks modification as per feeding habit of migratory and local birds of Nandur-madhyameshwar bird Sanctuary.

**Migratory Birds at Nandurmadhmeshwar**

**Demoiselle Crane (*Grus virg*)**

**Description:** The beak of the demoiselle crane is quite fine the beak is olive at the base, yellowish at the middle and orange at the tip.





**Diet:** It feeds mainly on plants, but also on small animals such as insects captured especially during the reproductive season. In autumn and winter, it prefers grains found on cultivated fields and in springtime it even feeds on the green tips of the growing crops.

According to the epic Mahabharata, during the battle of Kurukhetra, the Pandavas used the formation of the (“V” shape arrangement) “Krauncharuma Vyuha” against the Kauravas. The Sanskrit word “Kraunch” means crane while “Vyuha” means plan or strategy.

**Greater flamingo ( *Phoenicopterus roseus* )**



**Description of beak:** A flamingo's beak has a **filter like structure to remove food from the water before the liquid is expelled.**

**Diet:** Flamingos also feed up on molluscs, plankton, crab tiny fish and insect larvae. Plant material is also eaten, including grass seeds and shoots, decaying leaves and algae. The flamingo’s pink coloration comes from its diet of Shrimp and other pink crustacean

**White Stork ( *Ciconia ciconia* )**



**Description of beak:** Adult white storks have long pointed red beak.

**Diet:** Prey includes amphibians, reptiles such as lizards, snakes and frogs, insects, fish, small birds and mammals.



**Cultural association:** Greek and Roman mythology portray storks as models of parental devotion. The bird is featured in at least three of Aesop's Fables - The Fox and the Stork, The Farmer and The Stork and The Frogs Who Desired a King

**White wagtail (*Motacilla alba*)**



**Description of beak:**

White Wagtail beak is Large sized with Bluish white colour.

**Diet:** The white wagtail is an insectivorous bird.

Cultural association:

The white wagtail is the national bird of Latvia and has been often mentioned in Latvian folk songs.

**Osprey (*Pandion haliaetus*):**

**Description of beak:** Sharply hooked for piercing and ripping open tough and scaly fish.

**Diet:** The osprey is piscivorous, with fish making up 99% of its diet.



**Cultural association:** In Buddhism, the osprey is sometimes represented as the "King of Birds", especially in *'The JAKATA or Stories of the Buddha's Former Births'*. Asian open bill ( *Anastomus oscitans*) **Description of beak:** The name is derived from the distinctive gap formed between the recurved lower and arched upper mandible of the beak in adult birds. **Diet:** It feeds mainly on large molluscs, especially Pila species, and they separate the shell from the body of the snail using the tip of the beak.



**Common tailorbird (Orthotomus):** **Description of beak:** It has sharp, pointed, long, slender beak which is shaped like a needle. **Diet:** They forage for insects and have been known to feed on a range of beetles and bugs they are attracted to insects at flowers and are known to favour the inflorescences of mango.



**Purple sunbird (*Cinnyris asiaticus*)**

**Description of beak:** They have longer and slenderer bills specially adapted for eating nectar from flowers aided by tubular suctorial tongues.

**Diet:** Nectar from flowers.



**Common Hoopoe (*Upupa epops*)**

**Description of beak:** It has grey, long, Slender slightly curved bill.

**Diet:** It mainly eats insects and earthworms off the ground, however, before it actually eats the insect, the Hoopoe will bang the insect on the ground to remove legs and wings and then toss it up into the air before catching it in its open beak. They also eat insect pupae or larvae which they consume by probing the ground with their beak.



**Cultural association:**

**The hoopoe was chosen as the National bird of Israel in May 2008.**

They were considered sacred in Ancient Egypt and were "depicted on the walls of tombs and temples".

**Eurasian spoonbill (*Platalea leucorodia*)**

**Description of beak:** Spoon- shaped black coloured beak moved to and fro beneath the surface of shallow water, sifting out small swimming creatures.

**Diet:** Fishes, frogs, crabs, shells.





### References:

1. Common Birds – Dr. Salim Ali and Laeeq Futehally.
2. Birds and there world – John Andrews
3. The book and the Indian Birds by – Dr. Salim Ali.
4. Vishnu's mount: birds in Indian mythology and folklore – Shodhganga



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**Poster 2: Name of The Student: Ms. Gangurde Sagarika & Ms. Ahire Akshata**

**Title: Importance of Mangrove Trees.**

**Biological Name: Rhizophora mangle.**

**Description:** - Mangrove shelter belts are protector of coastline during tsunami, cyclone and storms. They are salt-tolerant trees. They contain a complex salt filtration system and a complex root system to cope with saltwater immersion and wave action. They store carbon and also provide habitats to various species.

**Purpose: Need to protect these unique ecosystems from future natural disaster.**







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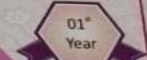


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## Poster 3: Name of The Student: Mr. Patil Ganesh

### Title: Diseases of Grapes Plant

#### Abstract:







Grapes are the world's third most valuable horticultural crop. These grapes can be used for: (i) wine production (57%), (ii) table grapes (36%) and (i) dried grapes (raisins) (7%). ... Globally, 7.4 million hectares of arable land is planted with grapevine with a farm gate value of \$68.3 billion. Anthracnose, brown spot, mites, black rot, downy mildew, and leaf blight are six common grape leaf pests and diseases, which cause severe economic losses to the grape industry.....Disease infects leaves, shoots and berries. The symptoms appear as minute water-soaked spots on the lower surface of the leaves along the main and lateral veins. Later on, these spots coalesce and form larger patches. Brownish black lesions are formed on the berries, which later become small and shrivelled.

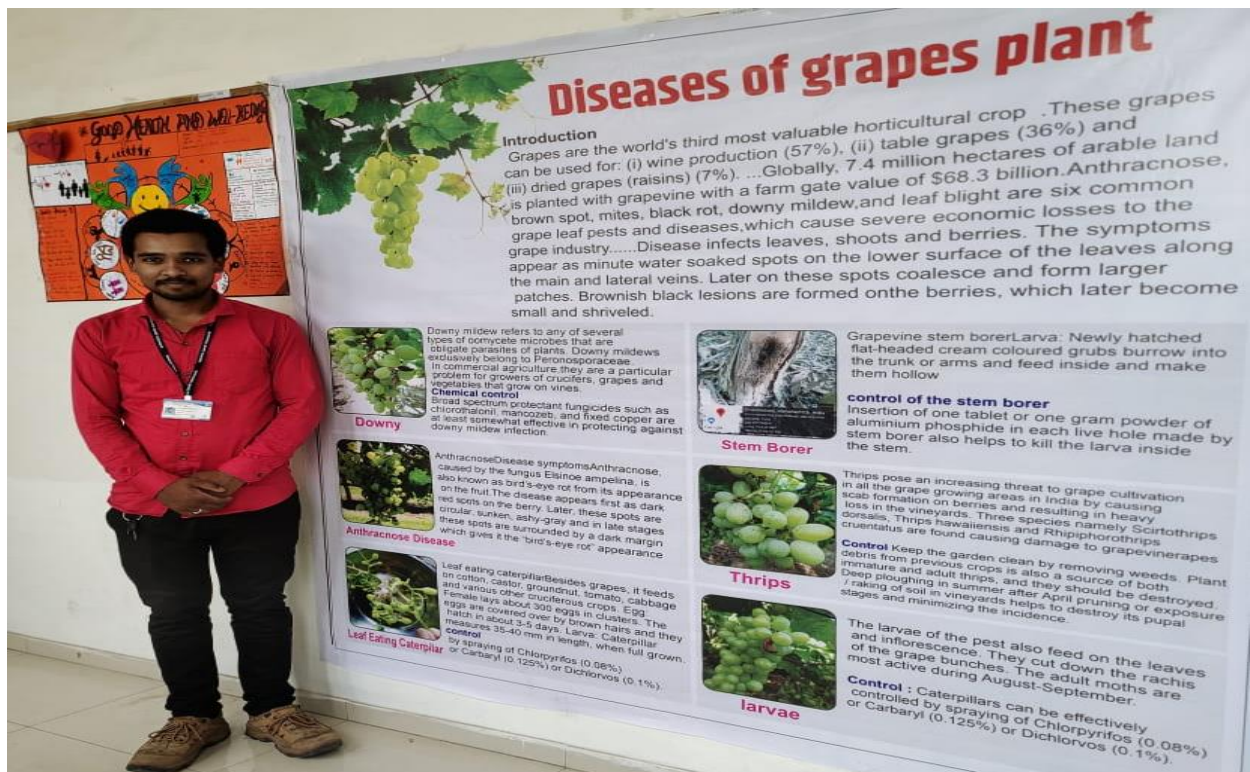


## Diseases of grapes plant

### Introduction

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 <p><b>Downy</b></p>	<p>Downy mildew refers to any of several types of oomycete microbes that are obligate parasites of plants. Downy mildews exclusively belong to Peronosporaceae. In commercial agriculture, they are a particular problem for growers of crucifers, grapes and vegetables that grow on vines.</p> <p><b>Chemical control</b></p> <p>Broad spectrum protectant fungicides such as chlorothalonil, mancozeb, and fixed copper are at least somewhat effective in protecting against downy mildew infection.</p>	 <p><b>Stem Borer</b></p>	<p>Grapevine stem borer Larva: Newly hatched flat-headed cream coloured grubs burrow into the trunk or arms and feed inside and make them hollow</p> <p><b>control of the stem borer</b></p> <p>Insertion of one tablet or one gram powder of aluminium phosphide in each live hole made by stem borer also helps to kill the larva inside the stem.</p>
 <p><b>Anthracnose Disease</b></p>	<p>Anthracnose Disease symptoms Anthracnose, caused by the fungus Elsinoe ampelina, is also known as bird's-eye rot from its appearance on the fruit. The disease appears first as dark red spots on the berry. Later, these spots are circular, sunken, ashy-gray and in late stages these spots are surrounded by a dark margin which gives it the 'bird's-eye rot' appearance</p>	 <p><b>Thrips</b></p>	<p>Thrips pose an increasing threat to grape cultivation in all the grape growing areas in India by causing scab formation on berries and resulting in heavy loss in the vineyards. Three species namely Scirtothrips dorsalis, Thrips hawaiiensis and Rhipiphorothrips cruentatus are found causing damage to grapevine rapes</p> <p><b>Control</b> Keep the garden clean by removing weeds. Plant debris from previous crops is also a source of both immature and adult thrips, and they should be destroyed. Deep ploughing in summer after April pruning or exposure / raking of soil in vineyards helps to destroy its pupal stages and minimizing the incidence</p>
 <p><b>Leaf Eating Caterpillar</b></p>	<p>Leaf eating caterpillar Besides grapes, it feeds on cotton, castor, groundnut, tomato, cabbage and various other cruciferous crops. Egg: Female lays about 300 eggs in clusters. The eggs are covered over by brown hairs and they hatch in about 3-5 days. Larva: Caterpillar measures 35-40 mm in length, when full grown</p> <p><b>control</b></p> <p>by spraying of Chlorpyrifos (0.08%) or Carbaryl (0.125%) or Dichlorvos (0.1%).</p>	 <p><b>larvae</b></p>	<p>The larvae of the pest also feed on the leaves and inflorescence. They cut down the rachis of the grape bunches. The adult moths are most active during August-September.</p> <p><b>Control</b> : Caterpillars can be effectively controlled by spraying of Chlorpyrifos (0.08%) or Carbaryl (0.125%) or Dichlorvos (0.1%).</p>





**POSTER 4: Name of The Student: Mr. Magar Devendra and Deore Jaywant**  
**Title: Vermicomposting and biochemical properties of vermicompost**

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**Abstract:**

Vermicomposting is a technique which can be used to reduce the amount of organic waste through recycling and the production of soil fertilizers and conditioners. Vermicompost is a decomposed organic material that can be used to help grow plants and keep soil healthy. The main objectives of this research are to prepare vermicompost from agricultural wastes and study the biochemical properties of prepared vermicompost.

**Introduction:**

Vermicomposting is the process in which worms are used to convert the organic solid waste (usually agricultural waste) into a humus-like material known as vermicompost. Vermicompost is the product of the decomposition process using various species of earthworm (*Eudrilus eugeniae*), to create a mixture of decomposing vegetables or food waste, bedding and vermicast. Vermicast (also called worm castings, worm humus, worm manure) is the end-product of the breakdown of organic matter by earthworms. These excreta have been shown to contain reduced levels of contaminants and a higher saturation of nutrients than the organic materials before vermicomposting.

Vermicompost increases the fertility of soil and help in maintaining the low level of heavy metals in soil. It also nourishes the good microbes which are helpful in plant growth. In vermicomposting technique, the solid waste material (organic) is converted into compost (biofertilizer). If we work on commercial basis vermicompost can help in sustainable economic growth and can generate productive employment.

**Material and Method:**

The agricultural waste such as cow dung, fallen leaves of trees, residues of various crops were collected for preparation of compost from Mhasrul village. We have also taken all the wastes of fruits and vegetables from the kitchen except onion and garlic peels. Layers were formed according to following sequence:

1. Fallen leaves of tree and residues of crops from agriculture fields collected and layer is made out of it.
2. Now cow dung which was stocked is taken for second layer, these layers were provided with water and rest for 24 hours
3. On the layer of cow dung the layer of food waste is added along with the layer of fallen leaves.
4. The earthworms (*Eudrilus eugeniae*) were introduced to the layers of waste materials.
5. Then layer of fallen leaves and residues of crops is added.
6. Plenty of water is provided to the layers for giving the moisture to the earthworms.

In every 2 days water should be provided. I take about 2 to 3 months to form vermicompost out of the waste material. Then vermicompost is taken for performing the test of various biochemical properties.







### **Biochemical properties of vermicompost of *Eudrilus eugeniae*:**

- 1. pH:** The pH of the compost sample was determined as per the procedure described by Chandrabose et al., (1988). The pH is defined as the negative log to the base 10 of the H<sup>+</sup> ion concentration.
- 2. Organic Carbon:** The determination of organic carbon was carried out as per the procedure of Empirical Method.
- 3. Total Nitrogen (N):** The total nitrogen of the sample was estimated by Kjeldahl method. This method involved two steps (i) digestion of the sample to convert the N compound in the sample to the NH<sub>4</sub><sup>+</sup> form and (ii) distillation and determination of NH<sub>4</sub><sup>+</sup> in the digest.
- 4. Phosphorous(P):** Total phosphorus content of the sample was estimated by colorimetric method.
- 5. Potassium(K):** Total potassium content of the manure sample was determined as per Tandon (1993) by flame photometric method.

Table: Biochemical properties of vermicompost

Parameters	Results
pH	7.17
Organic Carbon (%)	22.18
Total Nitrogen (%)	1.61
Phosphorus (%)	1.13
Potassium (%)	0.96

### **Conclusion:**

According to the biochemical properties of vermicompost it should be used as biofertilizer because it provides many essential nutrient (like Organic Carbon, Nitrogen, Phosphorus, Potassium, etc.) for suitable plant growth. The vermicompost sample content more organic carbon than the nitrogen, phosphorus and potassium. Organic carbon promotes soil structure, improves soil aeration (oxygen in soil) and water drainage and retention. It also reduces the risk of erosion and nutrient leaching.

The vermicompost should be used widely in agriculture because of their low cost, good fertility of soil. It enhances the yielding capability of soil. Therefore, prepared vermicompost has great potential for applications and as a source of plants nutrients.

### **References:**

1. El-Sayed G. Khater (2012) Chemical and physical properties of compost.
2. El-Sayed G. Khater (2015) Some physical and chemical properties of compost.
3. K. Sundararasu (2019) Physio chemical characterization of vermicompost and its impacts on chilli plant (*Capsicum annum* l.).
4. Thidar khaing, Suu suu win, Nyo nyo win (2019) Physical and Chemical Properties of Compost Made from Agricultural Wastes.

**shyapi**

**Vermicomposting And Biochemical Properties Of Vermicompost**

**Abstract:** Vermicomposting is a technique which can be used to reduce the amount of organic waste (litter) and the production of soil fertility and conditions. Vermicompost is a decomposed organic material that can be used to help grow plants and trees healthily. The main objectives of this research are to prepare vermicompost from agricultural wastes and study the biochemical properties of prepared vermicompost.

**Introduction:** Vermicomposting is the process in which worms are used to convert the organic solid waste (usually agricultural waste) into a humus-like material known as vermicompost. Vermicompost is the product of the decomposition process using various species of earthworms (Eudrilus eugeniae). To create a mixture of decomposing vegetable or food waste, bedding and vermicompost. Vermicast (also called worm castings, worm humus, worm manure) is the end-product of the breakdown of organic matter by earthworms. These insects have been shown to contain reduced levels of contaminants and a higher saturation of nutrients than the organic materials before vermicomposting. Vermicomposting reduces the fertility of soil and help in maintaining the low level of heavy metals in soil. It also nourishes the good microbes which are helpful in plant growth. In vermicomposting technique that solid waste material (organic) is converted into compost (biofertilizer). If we work on commercial basis, vermicompost can help in sustainable economic growth and can generate productive employment.

**Biochemical properties of vermicompost of Eudrilus eugeniae:**

1. pH: The pH of the compost sample was determined as per the procedure described by Chaudhary et al., (1988). The pH is defined as the negative log to the base 10 of the H<sup>+</sup> ion concentration.
2. Organic Carbon: The determination of organic carbon was carried out as per the procedure of Empirical Method.
3. Total Nitrogen (TN): The total nitrogen of the sample was estimated by Kjeldahl method. This method involved three steps: (i) digestion of the sample to convert the N compound in the sample to the form of ammonium and (ii) distillation and determination of NH<sub>4</sub><sup>+</sup> in the digest.
4. Phosphorus (P): Total phosphorus content of the sample was estimated by colorimetric method.
5. Potassium (K): Total potassium content of the sample was determined as per Sunder (1991) by flame photometric method.

Parameters	Results
Organic Carbon (%)	23.19
Total Nitrogen (%)	1.22
Total Phosphorus (%)	0.36
Potassium (%)	0.36

**Result and Discussion:** Biochemical properties of vermicompost of Eudrilus eugeniae. The biochemical properties of the prepared vermicompost were checked in the laboratory and the results are given in the table below. The vermicompost sample contain about 23.19% of organic carbon, total nitrogen content is 1.22%, phosphorus is 0.36% and only 0.36% of potassium is present in the sample.

**Conclusion:** According to the biochemical properties of vermicompost it should be used as better than Organic Fertilizer, Nitrogen, Phosphorus, Potassium, etc. for suitable plant growth. The vermicompost sample contain more organic matter than the nitrogen, phosphorus and potassium. Organic carbon present soil structure, improve soil aeration (benefit to soil) and water drainage and retention. It also reduce the pH of soil. The vermicompost should be used widely in agriculture. The use of worm cast, good fertility of soil, enhances the growing capability of soil. Therefore, vermicompost should be used as a source of plant nutrients and as a source of plant nutrients.

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**POSTER 5: Name of The Student: Ms. Jadhav Roopali**  
**Most Common Zooplankton of Potable Water Resource, Kashyapi Dam from Nashik District, Maharashtra, India**

**Introduction:**

This work is related to the theme of Management of clean water and sanitation. Zooplankton is the important component of aquatic fauna which serves as a major component of aquatic food chain. They maintain proper equilibrium between abiotic and biotic components of aquatic ecosystem. Zooplankton diversity reflects the water quality, and they are the good indicators of changes taking place in the water resources. Some zooplankton are present in the water provided for drinking purpose. The zooplanktons present in water are causing different types of diseases to the human being after being ingested in body. Zooplankton causes diarrhea, dysentery, etc diseases in human being. After drinking the water contaminated with zooplankton, may be the human and its domestic animals got infected and suffers from many health hazards.

**Most Common Zooplankton of Potable Water Resource, Kashyapi Dam from Nashik District, Maharashtra, India**

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**Material and Methods:**  
The water sample is collected from the Kashyapi dam located at Gimare village Dist. Nashik. The sample is collected in November 2021 to April 2022 in two corresponding seasons winter and summer. The water was collected directly from each selected sampling station of Kashyapi dam. The sample were transformed to the bottle by standard method. The sample were collected during morning hours with the help of net of mesh size 25 micron. Plankton net acts as a filter. It is the most common method of collection of zooplankton's.  
The sample were carefully transformed to another container. 5 ml of 4% formalin then 2 to 3 drops of glycerin added and the drop of sample is taken on a glass slide and observed under compound microscope. (Pawan Panpatil and Deshmukh S.V. 2021).

**Observation and Discussion :** We have observed the sample collected from Kashyapi dam, found the zooplanktons. They are as follows:

- 1. **Cladocera**  
Cladocera is a group of small crustaceans, commonly found in a variety of aquatic habitats. They are the most common zooplankton in the water body. They are the most common zooplankton in the water body.
- 2. **Daphnia**  
Daphnia is a genus of small crustaceans, commonly found in a variety of aquatic habitats. They are the most common zooplankton in the water body. They are the most common zooplankton in the water body.
- 3. **Rotifera**  
Rotifera is a group of small, wheel-shaped animals, commonly found in a variety of aquatic habitats. They are the most common zooplankton in the water body. They are the most common zooplankton in the water body.
- 4. **Amphipoda**  
Amphipoda is a group of small crustaceans, commonly found in a variety of aquatic habitats. They are the most common zooplankton in the water body. They are the most common zooplankton in the water body.
- 5. **Isopoda**  
Isopoda is a group of small crustaceans, commonly found in a variety of aquatic habitats. They are the most common zooplankton in the water body. They are the most common zooplankton in the water body.
- 6. **Crustacea**  
Crustacea is a group of small crustaceans, commonly found in a variety of aquatic habitats. They are the most common zooplankton in the water body. They are the most common zooplankton in the water body.

**Conclusion**  
The present investigation reveals that the diversity of zooplankton plays very significant role in the functioning of freshwater ecosystem. We recorded 06 species of zooplankton among which 03 species belonging to Branchiopoda, 02 species belonging to Copepoda, and 01 species belonging to Chordata. Most species are harmless to health of man and its domestic animals. So proper care to control the zooplankton population as well as standard Water Purification methods must apply to use it as potable and drinking water.





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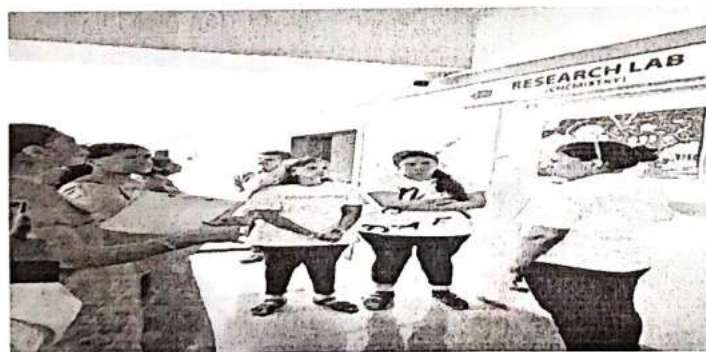
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Student Participation in Loknete Vyankatrao Hiray INNOFEST 2022 –State Level  
Poster/Project/Model presentation competition (24/4/2022)

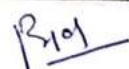
Title	Number of the participant	Name	Class
Solar Charkha	04	Sayali Shejwal	M.A. I year
		Kajal Dhurjad	M.A. I year
		Sameer Shejwal	TYBA
		Prashant Bagul	TYBA
Climate Change its impact and action	03	Sapana Chauhan	M.A. I year
		Gauri Sonawne	M.A. I year
		Vanita Dhaktode	TYBA



Solar Charkha



Climate Change its impact and action

  
 Dr. Pragati B. Marakwar  
**Head** Head  
 Department of History  
 Loknete Vyankatrao Hiray  
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**Panchavati Nashik- 422003.**

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**NATURE CLUB, DEPARTMENT OF BOTANY &  
RESEARCH CENTER**

**Inauguration of Nature Club: 28/02/2014**

The Nature Club activities for the academic year 2014-15 was inaugurated on 28<sup>th</sup> 2014 2021 by Dr. V.B.Gaikwad (Dean Science Faculty SPPU, Pune) in presence of Dr.Vishwas Deokar, Chief Editor Daily Sakaal, Nashik edition at the College Auditorium.

**Nature Club Office Bearers**

- 1) Dr.B.S.Jagdale – Principal
- 2) Dr. N. B Pawar – Nature Club Secretary
- 3) Dr.S.B Shisode – Joint Secretary
- 4) Mis.U.V.Vidhate – Treasurer.
- 5) Members- All ug & pg Students.

**Objectives of the Nature Club**

- 1) To encourage students to carry out a forestation through a plantation drive
- 2) To sensitize the students towards the need for keeping the environment clean and conserve our natural resources.
- 3) To develop an aptitude towards science and nature.
- 4) To equip the students with the basic skills in identifying and labeling different plants.
- 5) A holistic development and academic excellence to contribute effectively to the understanding of the subject.
- 6) To conduct personality development programme “Light for a Life”
- 7) To follow land paddy cultivation programme.
- 8) To organize the field visit and trekking programmes to understand the nature and biodiversity.
- 9) To arrange guest talk on “Mother Nature-Our Environment”
- 10) To organize Research Institutes & Industrys and to sign the MOUs with industry partners
- 11) To organize National/State/Regional level Seminars/Webinars/Hands on training programme.

# Tree plantation drive

**Date: 07/03/2021**

IQAC and P.G. Department of Botany & Research Center organized Tree plantation drive on 07/03/2021. On this occasion, Prin. Dr. C. G. Dighavkar, Vice Prin. Dr. V. H. Rakibe, IQAC Coordinator Prof. Dr. Mrunal Bhardwaj, Prof. Dr. N. B. Pawar, Head, Department of Botany, Dr. S. D. Patil, Dr. S. S. Chobe, Prof. Dr. S. B. Shisode and other staff and students actively participated in tree plantation. Participants got certificate duly signed by Head, Department of Botany and Principal, L.V. H. College, Panchavati, Nashik. 40 people were present for the event.

## Objectives:

- To direct students mind in constructive activities with the positive outcome through the facilitation of contributing to the society.
- To promote the importance of tree plantation and conservation in society by nature club of botany and activity contribution by students.
- The saplings including Kadamba, Neem, Spathodia, Putranjiva, Silver oak etc to be planted.
- Improvement in the quality of air and reduction in pollution.
- Encouraging students to plant trees

## Outcomes:

- Purifying Air
- Cooling Down the Streets.
- Natural Air Conditioning.
- Saving Water.
- Preventing Water Pollution.
- Providing Shelters for Wildlife.
- Renewable Energy Source.
- Reinforcing Soil.





# College campus- Plants Geo-mapping

**Date: 26/08/2021 - 27/08/2021**

IQAC and P.G. Department of Botany & Research Center organized Geo mapping of Plants from college campus on 26/08/2021 & 27/08/2021. On this occasion, Prin. Dr. C. G. Dighavkar, Vice Prin. Dr. V. H. Rakibe, IQAC Coordinator Prof. Dr. Mrunal Bhardwaj, Prof. Dr. N. B. Pawar, Head, Department of Botany, Dr. S. D. Patil, Dr. S. S. Chobe, Prof. Dr. S. B. Shisode and other staff and students were present. Sir explained the concept of geo mapping and how it is carried out. Then, the staff of Botany department carried out Geo mapping of the campus, along with the students who were interested in learning the technique. About 25-30 people were involved in the process.

## **Objectives:**

- Provide visual data
- Present information in a simple way
- Elimination of redundant database-minimize duplication
- Turn raw data into map
- Saves time and energy
- Provides central location for data and analysis

## **Outcomes:**

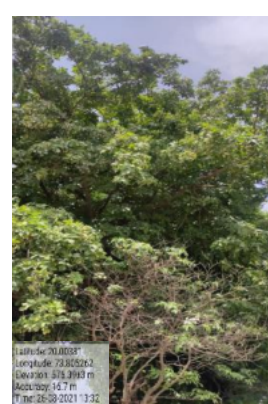
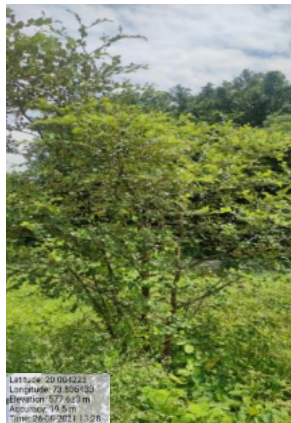
- Data for surveying
- Data for planning
- Data for critical construction
- Provide professional and accurate surveys















Latitude: 20.023709  
Longitude: 73.803281  
Elevation: 576.6643 m  
Accuracy: 10.7 m  
Time: 26-08-2021 13:10  
Note: bakau



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Longitude: 73.803281  
Elevation: 576.6643 m  
Accuracy: 10.7 m  
Time: 26-08-2021 13:10  
Note: bakau



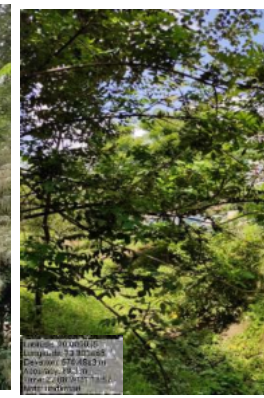
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Longitude: 73.803154  
Elevation: 576.2613 m  
Accuracy: 126.9 m  
Time: 26-08-2021 13:42  
Note: bakau



Latitude: 20.003773  
Longitude: 73.803154  
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Latitude: 20.023709  
Longitude: 73.803281  
Elevation: 576.6643 m  
Accuracy: 10.7 m  
Time: 26-08-2021 13:10  
Note: bakau



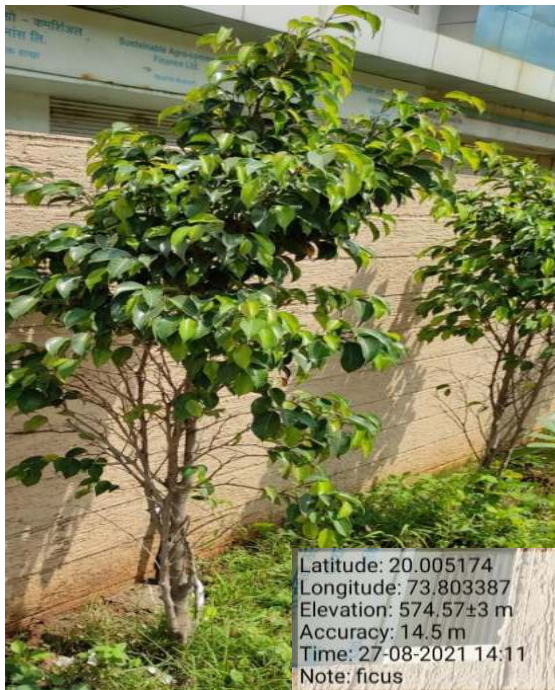
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Longitude: 73.803281  
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Latitude: 20.003773  
Longitude: 73.803154  
Elevation: 576.2613 m  
Accuracy: 126.9 m  
Time: 26-08-2021 13:42  
Note: bakau



Latitude: 20.005174  
Longitude: 73.803387  
Elevation: 574.57±3 m  
Accuracy: 14.5 m  
Time: 27-08-2021 14:11  
Note: ficus



Latitude: 20.005449  
Longitude: 73.803855  
Elevation: 577.66±3 m  
Accuracy: 48.4 m  
Time: 27-08-2021 14:03

# Poster presentation Competition

**Date: 28/02/2021**

On the occasion of Science day (28<sup>th</sup> Feb. 2021) Department of Botany in association I.Q.A.C of the college - organized Poster Presentation competition for U.G. & P.G. Students. The theme was “**Future of STI (Science, Technology and Innovations): Impacts on education, Skills and work**”. 97 Students of U.G. & P.G. was participated and presented their poster. The Science day was inaugurated by Prin. Dr. C. G. Dighavkar, Vice Prin. Dr. V. H. Rakibe, Dr. S. D. Patil, Dr. S. S. Chobe & I.Q.A.C Co-coordinator Dr. M. A. Bharadwaj expressed the views about the I.Q.A.C conducting the activities time to time. Dr. N. B. Pawar welcomed all the dignitaries and expressed the motto of Science day celebration. Dr. S. B. Shisode proposed the vote of thanks. The national science day is celebrated every year and recalls the notable invention “Raman Effect” by India’s greatest scientist C.V. Raman. He was awarded the Noble Prize for this discovery.

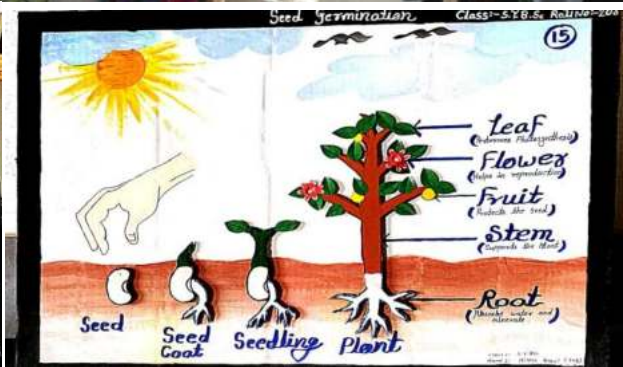
## **Objectives:**

- Spread the message of importance of science among people
- Know about the applications of science and technology
- Spread awareness about need of education for children to create more innovations in the field
- Raise public appreciation of scientific issues
- Gain information about impacts of science on education, skills and work

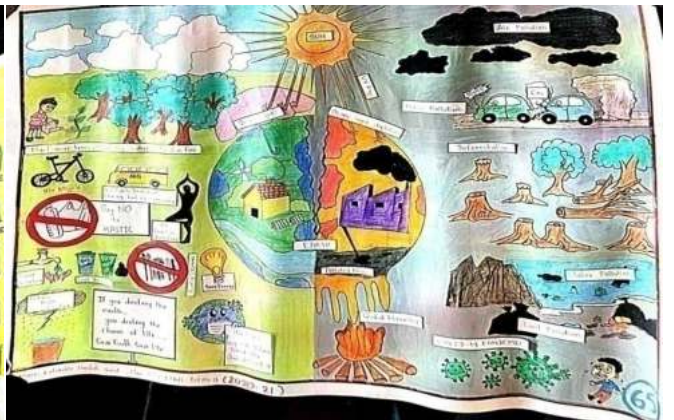
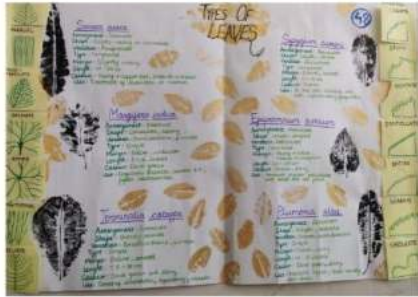
## **Outcomes:**

- Celebration of science day in Educational institutions
- Active participation of students and staff
- Importance of science in daily life
- Knowledge about major advancements in science and technology and need for more research and innovations
- Guidance about future career opportunities in the field

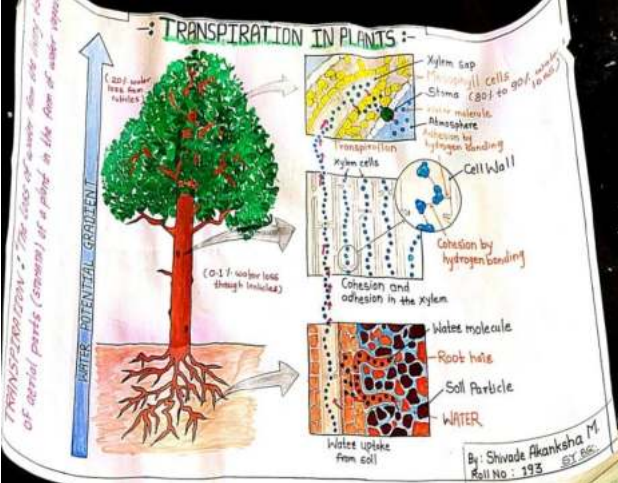
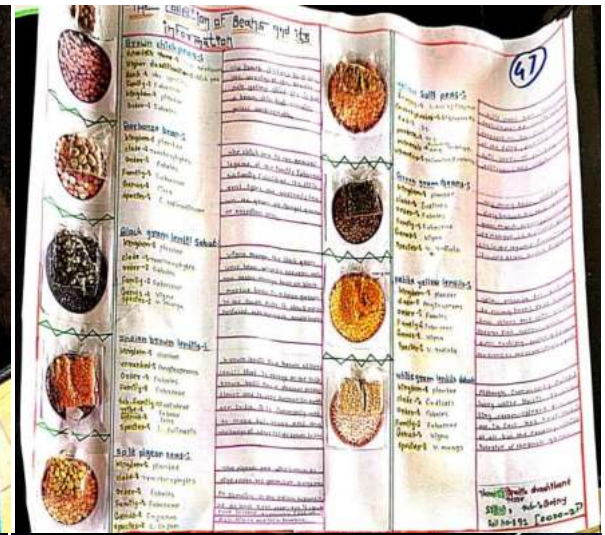
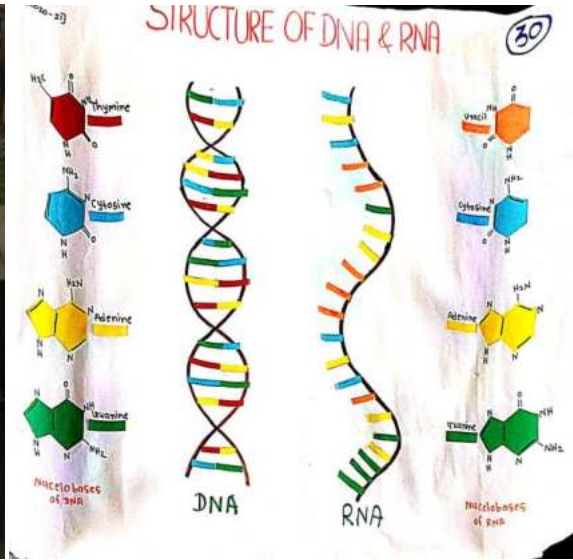














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The collage consists of several hand-drawn diagrams illustrating plant water transport:

- Top Left:** A diagram of a potted plant being watered with a blue watering can. Labels include: "Water taken up by roots", "Water transport in the xylem", "Water loss from the leaves", "Transpiration", and "Water uptake by roots".
- Top Middle:** A diagram of a plant with its root system and leaves. Labels include: "Water uptake by roots", "Water transport in the xylem", "Water loss from the leaves", "Transpiration", and "Water uptake by roots".
- Top Right:** A detailed cross-section of a leaf. Labels include: "Stoma", "Guard cells", "Palisade mesophyll", "Spongy mesophyll", "Vascular bundle", "Xylem", "Phloem", "Epidermis", and "Cuticle".
- Bottom Left:** A diagram of a plant cell labeled "Plasmolysed cell". It shows a cell with a thick, wavy cell wall and a large, dark central vacuole. Labels include: "Cell wall", "Central vacuole", "Cytoplasm", and "Nucleus".
- Bottom Right:** A diagram of a plant cell labeled "Turgid cell". It shows a cell with a thin, smooth cell wall and a large, clear central vacuole. Labels include: "Cell wall", "Central vacuole", "Cytoplasm", and "Nucleus".

**Vegetables**

**1. Corn**  
 Zea mays L.  
 Family: Poaceae  
 Origin: Central America  
 Uses: Grain, Stalks for silage, Cobs for animal feed  
 Varieties: Sweet corn, Dent corn, Popcorn, etc.

**2. Beans**  
 Phaseolus vulgaris L.  
 Family: Fabaceae  
 Origin: Central America  
 Uses: Food, Green beans, Dried beans  
 Varieties: Kidney beans, Black beans, Pinto beans, etc.

**3. Tomatoes**  
 Solanum esculentum L.  
 Family: Solanaceae  
 Origin: South America  
 Uses: Food, Juices, Sauces  
 Varieties: Cherry tomatoes, Beefsteak tomatoes, etc.

**4. Leafy Greens**  
 Various species of Brassicaceae and Chenopodiaceae  
 Uses: Salads, Soups, Stews  
 Varieties: Spinach, Kale, Chard, etc.

**Fruits**

**5. Apples**  
 Malus domestica B.S.P.  
 Family: Rosaceae  
 Origin: Central Asia  
 Uses: Food, Juices, Cider  
 Varieties: Red Delicious, Golden Delicious, etc.

**6. Bananas**  
 Musa sapientum L.  
 Family: Musaceae  
 Origin: Southeast Asia  
 Uses: Food, Juices, Smoothies  
 Varieties: Cavendish, Plantain, etc.

**7. Citrus Fruits**  
 Citrus spp.  
 Family: Rutaceae  
 Origin: South Asia, Africa  
 Uses: Food, Juices, Preserves  
 Varieties: Oranges, Lemons, Limes, etc.

**8. Grapes**  
 Vitis vinifera L.  
 Family: Vitaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Wine  
 Varieties: Concord, Thompson Seedless, etc.

**9. Strawberries**  
 Fragaria vesca L.  
 Family: Rosaceae  
 Origin: Europe  
 Uses: Food, Juices, Preserves  
 Varieties: Chandler, Albion, etc.

**10. Raspberries**  
 Rubus idaeus L.  
 Family: Rosaceae  
 Origin: Europe  
 Uses: Food, Juices, Preserves  
 Varieties: Marionberry, Rubus, etc.

**11. Blackberries**  
 Rubus spp.  
 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Loganberry, Rubus, etc.

**12. Blueberries**  
 Vaccinium spp.  
 Family: Ericaceae  
 Origin: North America  
 Uses: Food, Juices, Preserves  
 Varieties: Highbush, Lowbush, etc.

**13. Raspberries**  
 Rubus spp.  
 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Marionberry, Rubus, etc.

**14. Blackberries**  
 Rubus spp.  
 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Loganberry, Rubus, etc.

**15. Raspberries**  
 Rubus spp.  
 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Marionberry, Rubus, etc.

**16. Blackberries**  
 Rubus spp.  
 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Loganberry, Rubus, etc.

**17. Raspberries**  
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 Family: Rosaceae  
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 Uses: Food, Juices, Preserves  
 Varieties: Marionberry, Rubus, etc.

**18. Blackberries**  
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 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Loganberry, Rubus, etc.

**19. Raspberries**  
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 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Marionberry, Rubus, etc.

**20. Blackberries**  
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 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Loganberry, Rubus, etc.

**21. Raspberries**  
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 Origin: Europe, Asia  
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 Varieties: Marionberry, Rubus, etc.

**22. Blackberries**  
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 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Loganberry, Rubus, etc.

**23. Raspberries**  
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 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Marionberry, Rubus, etc.

**24. Blackberries**  
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 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Loganberry, Rubus, etc.

**25. Raspberries**  
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 Origin: Europe, Asia  
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 Varieties: Loganberry, Rubus, etc.

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 Varieties: Marionberry, Rubus, etc.

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**31. Raspberries**  
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**33. Raspberries**  
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 Varieties: Loganberry, Rubus, etc.

**37. Raspberries**  
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 Varieties: Marionberry, Rubus, etc.

**38. Blackberries**  
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 Varieties: Loganberry, Rubus, etc.

**39. Raspberries**  
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**41. Raspberries**  
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 Varieties: Marionberry, Rubus, etc.

**42. Blackberries**  
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**49. Raspberries**  
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 Varieties: Marionberry, Rubus, etc.

**50. Blackberries**  
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 Varieties: Loganberry, Rubus, etc.

**51. Raspberries**  
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 Varieties: Loganberry, Rubus, etc.

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**55. Raspberries**  
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 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Marionberry, Rubus, etc.

**56. Blackberries**  
 Rubus spp.  
 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Loganberry, Rubus, etc.

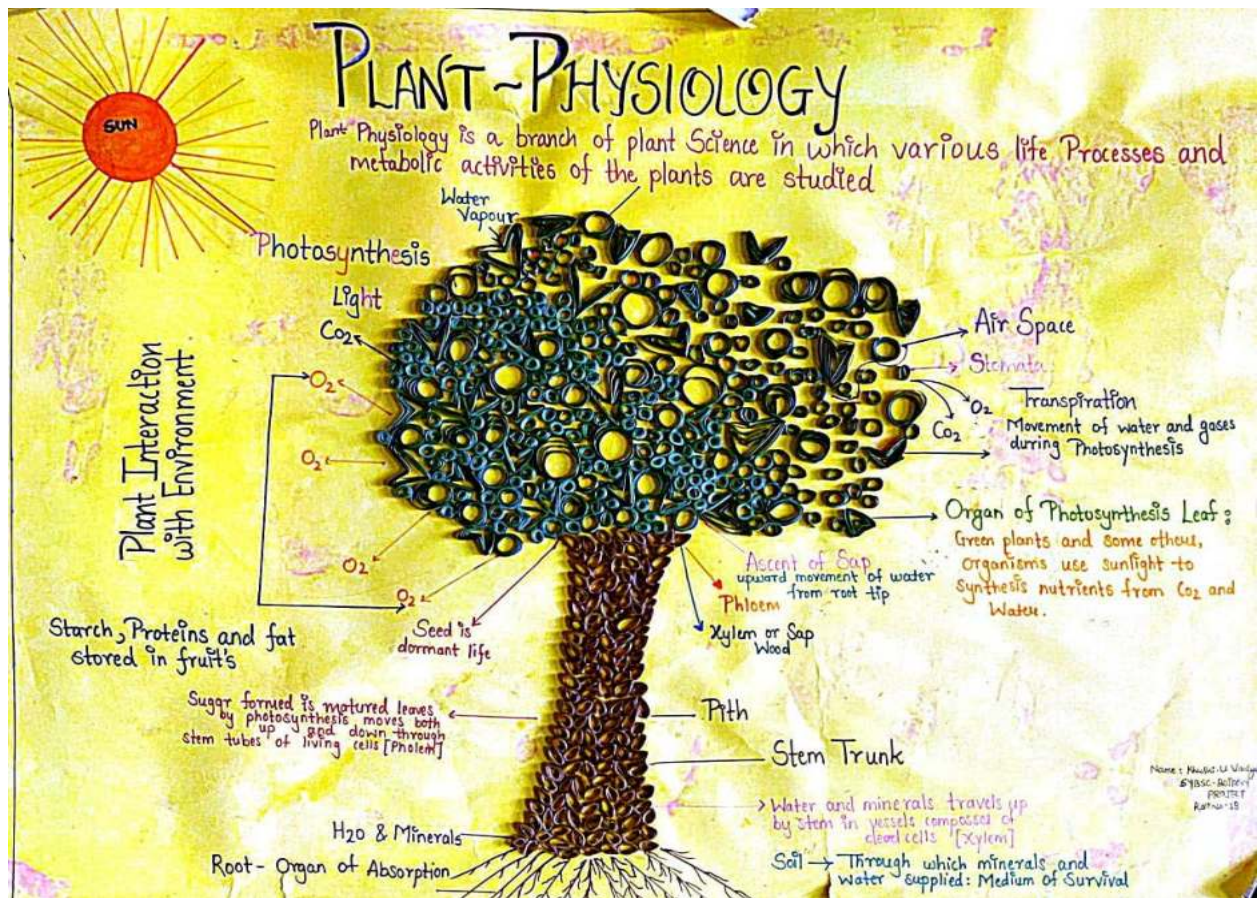
**57. Raspberries**  
 Rubus spp.  
 Family: Rosaceae  
 Origin: Europe, Asia  
 Uses: Food, Juices, Preserves  
 Varieties: Marionberry, Rubus, etc.

**58. Blackberries**  
 Rubus spp.  
 Family: Rosace

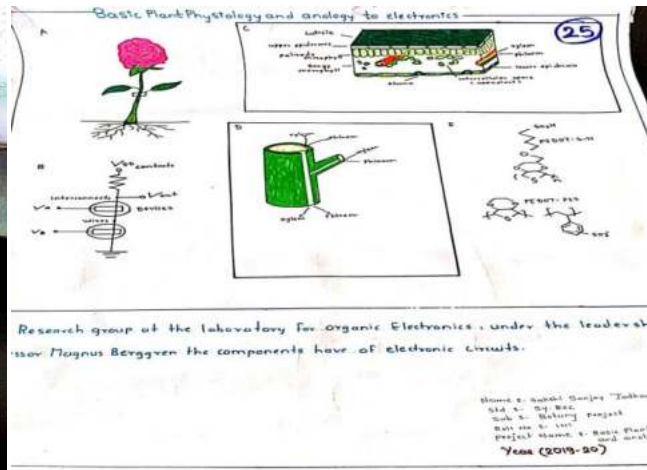
The collage consists of several environmental posters:

- Top Left:** A circular poster divided into two halves. The left half shows a polluted landscape with a factory, a dead tree, and a hand holding a globe. The right half shows a clean, green landscape with a healthy tree and a hand holding a globe.
- Top Right:** A poster with a "STOP" sign and a "NO PLASTIC" symbol. Text reads: "PLASTIC is a major hazard but we are polluting our world."
- Bottom Left:** A poster with a large green tree and the text "CHOOSE YOUR FUTURE".
- Bottom Right:** A poster showing a snake coiled around a globe, with text: "It's time you open your eyes and see the air pollution around you." Below this is a "SAVE WATER" poster showing a water tap with a globe as the handle.









## MGV'S LOKNETE VYANKATRAO HIRE COLLEGE

### Poster Presentation in Botany

Students List (Year 2020-21)

Sr. no.	Name	Class	Topic	Signature
1.	Sandip Rukari	M.sc-II	Types of leaves	
2.	Kahandole Gopal	M.sc-I	Pollution	
3.	Rajal Bhusare	S.Y.B.sc	Seed certification	
4.	Pratik More	S.Y.B.sc	Collection of Beans	
5.	Akanksha Shivade	S.Y.B.sc	Transpiration	
6.	Kavita Kadwa	M.sc-I	Save the Earth	
7.	Moh Sanket	S.Y.B.sc	Collection of seeds	
8.	Neha Pandhare	S.Y.B.sc	Seeds collection	
9.	Arpita Jadhav	S.Y.B.sc	Plant Physiology	
10.	Shaiikh Javeriya	S.Y.B.sc	Photosynthesis	
11.	Yashashree Chetan Shewale	S.Y.B.sc	Beans	
12.	Vishal Patil	S.Y.B.sc	Flowers classification	
13.	Bhondve Khissraj	S.Y.B.sc	Herbs	
14.	Gaikwad Bhavana	S.Y.B.sc	Family Solanaceae	
15.	Snehal Gavali	S.Y.B.sc	Plant Anatomy	
16.	Nikita Padol	M.sc-I	Structure of DNA	
17.	Patel Helal	S.Y.B.sc	Pollination	
18.	Usha Kumavat	S.Y.B.sc	Disease of maize crops	
19.	Usha Kumavat	S.Y.B.sc	Save earth	
20.	Dipsali Rokade	S.Y.B.sc	Air pollution	
21.	Nilesh Bagul	S.Y.B.sc	Seed germination	
22.	Yashashree Bhaye	S.Y.B.sc	Plant cell	
23.	Dhanshree More	S.Y.B.sc	Modern farming.	



Mahatma Gandhi Vastusamiti's Lokaraj Vastusamiti Hary Arts, Science and Commerce College, Pancharat, Noida-43

"KARMAYAT BHAI SAHIB HIRY BIRTH ANNIVERSARY SCIENCE EXHIBITION-2021"

Organized by  
P.G. Department of Botany and Research Center

Date: 01/03/2021

NATURE CLUB OF BOTANY: 2020-2021

Sr. No.	Name of the Participants / Students	Roll No.	Class and Subject	Mode of Presentation (Number) (Poster / PPT/Model)	Topic	Contact No.	Sign.
1	Siddhi Sakshi Bhatnagar	137	12th	Poster	Plant information	82356528	10-03-21
2	Sargam's s/o	104	12th	Poster	Plant collection	91688010	10-03-21
3	Savitri Bhatnagar	105	12th	Poster	Plant medicinal	74984885	10-03-21
4	Gabale Pankaj	124	12th	Poster	Plant information	92672125	10-03-21
5	Bhoye Koolita	121	12th	Poster	Plant information	91441531	10-03-21
6	Shivani Jaagann	149	12th	Poster	Plant collection	88233318	10-03-21
7	Kamal Shinde	117	12th	Poster	Medicinal Plants	90582033	10-03-21
8	Kamlesh Shinde	118	12th	Poster	Know about Medicinal plants	90582033	10-03-21
9	Kamal Asant	112	12th	Poster	Biotechnology & Medicinal Plant	90582033	10-03-21
10	Kamlesh Kumhar	120	12th	Poster	Plant info plant cell biology	91688010	10-03-21

Dr. N.B. Pooja  
Head, P.G. & Research Center, Department of Botany  
L.V.H. Arts, Science & Commerce College, Pancharat, Noida-43

Dr. S.B. Shrivastava  
Organizer  
13/3

Mahatma Gandhi Vastusamiti's Lokaraj Vastusamiti Hary Arts, Science and Commerce College, Pancharat, Noida-43

"KARMAYAT BHAI SAHIB HIRY BIRTH ANNIVERSARY SCIENCE EXHIBITION-2021"

Organized by  
P.G. Department of Botany and Research Center

Date: 01/03/2021

NATURE CLUB OF BOTANY: 2020-2021

Sr. No.	Name of the Participants / Students	Roll No.	Class and Subject	Mode of Presentation (Number) (Poster / PPT/Model)	Topic	Contact No.	Sign.
1	Chaitanya Singh	126	12th	Poster	Biotechnology	78112520	10-03-21
2	Chaitanya Singh	127	12th	Poster	Biotechnology	90582033	10-03-21
3	Chaitanya Singh	128	12th	Poster	Cell Biology	90582033	10-03-21
4	Chaitanya Singh	129	12th	Poster	Cell Biology	90582033	10-03-21
5	Chaitanya Singh	130	12th	Poster	Cell Biology	90582033	10-03-21

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NATURE CLUB OF BOTANY: 2020-2021

Sr. No.	Name of the Participants / Students	Roll No.	Class and Subject	Mode of Presentation (Number) (Poster / PPT/Model)	Topic	Contact No.	Sign.
1	Sona Chavhan	131	12th	PPT	Science day	90582033	10-03-21
2	Suganya Khatke	132	12th	Poster presentation + ppt	Pollution + Science day	714143001	10-03-21
3	Mehdi Bhat	133	12th	Poster presentation + speech	Pollution	714143001	10-03-21
4	Chaitanya Singh	134	12th	Poster presentation + speech	Types of flower	91688010	10-03-21
5	Jyoti Pooja	135	12th	Poster presentation + speech	Cell Biology	90582033	10-03-21
6	Chaitanya Singh	136	12th	Poster presentation + speech	Life cycle	90582033	10-03-21
7	Chaitanya Singh	137	12th	Poster presentation + speech	Food chain	90582033	10-03-21
8	Chaitanya Singh	138	12th	Poster presentation + speech	Silk worm life cycle	90582033	10-03-21
9	Chaitanya Singh	139	12th	PPT presentation of flower	Plant breeding	90582033	10-03-21
10	Chaitanya Singh	140	12th	Poster + model	Cell cycle	90582033	10-03-21

Dr. N.B. Pooja  
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13/3

Mahatma Gandhi Vastusamiti's Lokaraj Vastusamiti Hary Arts, Science and Commerce College, Pancharat, Noida-43

"KARMAYAT BHAI SAHIB HIRY BIRTH ANNIVERSARY SCIENCE EXHIBITION-2021"

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P.G. Department of Botany and Research Center

Date: 01/03/2021

NATURE CLUB OF BOTANY: 2020-2021

Sr. No.	Name of the Participants / Students	Roll No.	Class and Subject	Mode of Presentation (Number) (Poster / PPT/Model)	Topic	Contact No.	Sign.
1	Chaitanya Singh	141	12th	Poster	Medicinal Plants	90582033	10-03-21
2	Chaitanya Singh	142	12th	Poster	Medicinal Plants	90582033	10-03-21
3	Chaitanya Singh	143	12th	Poster	Medicinal Plants	90582033	10-03-21
4	Chaitanya Singh	144	12th	Poster	Medicinal Plants	90582033	10-03-21
5	Chaitanya Singh	145	12th	Poster	Medicinal Plants	90582033	10-03-21
6	Chaitanya Singh	146	12th	Poster	Medicinal Plants	90582033	10-03-21
7	Chaitanya Singh	147	12th	Poster	Medicinal Plants	90582033	10-03-21
8	Chaitanya Singh	148	12th	Poster	Medicinal Plants	90582033	10-03-21
9	Chaitanya Singh	149	12th	Poster	Medicinal Plants	90582033	10-03-21
10	Chaitanya Singh	150	12th	Poster	Medicinal Plants	90582033	10-03-21

Dr. N.B. Pooja  
Head, P.G. & Research Center, Department of Botany  
L.V.H. Arts, Science & Commerce College, Pancharat, Noida-43

Dr. S.B. Shrivastava  
Organizer  
13/3

Page 101

**A One Day State level Webinar**  
**On**  
**“WILD LIFE PROTECTION ACT”**  
**Date: 12/10/2021, Time: 03:00 P.M- India**  
**Awareness Should be Spread Regarding Importance of Wild**  
**Life**  
**Ganeshrao Zole – ACF-Nasik.**

The Online webinar on “WILD LIFE PROTECTION ACT” WAS Jointly Organized by IQAC, Nature Club P G Department of Botany-research center & Forest department Nasik at Loknete Vyankatrao Hiray Arts, Science and Commerce College Nasik. Mr.Ganeshrao Ambadas Zole, Assistant Conservator of Forest, Nasik was the resource Person for the online programme. Due to hunting in old times, many animals became endangered and for the same awareness should be spread said Mr. Zole. Regarding conservation resources we have to conserve critically endangered species like *Ceropegia anjanerica*. There are five schedules are created for protection of animals in wild life protection act. While schedule 1 & 2 provide maximum protection and punishment and penalties are high. Further are critically endangered due to use of Diclofenac sodium. Snakes and turtles are smuggled causing threat to them. Due to Increasing population, humans invaded the wild Life habitat hence the animals like leopards enter the newly formed habitats. Also here water and food is readily available, also shelter is available in sugarcane fields, so they began living there and making their own habitat. Leopards are categorized in schedule one animal; hence poaching of leopards is a punishable offence. Even humans are easy prey, leopard so not attack humans. Still people with sugarcane farms should be more careful. Hence it is important to create awareness among people so as to conserve wildlife. Awareness should be created by organizing competitions like poster presentation, skit, elocution etc said Prin Dr.B S Jagdale in his presidential address. IQAC Co-ordinator Dr. Mrunal Bharadwaj, Vice Prin. Dr. Nandu Pawar, Convener of the webinar Introduce Resource Person, Prin.Dr. Arun Patil & Co coordinator of the Webinar Prof Dr. Shashikant Shisode and Staff, 90 students, participants were present for this online webinar in large numbers.

**Objectives:**

- Conservation of biodiversity
- Conservation of Endangered species
- Acquire Information about wildlife and its protection
- Take practical measures for wildlife protection
- Know about laws and acts regarding wildlife protection

**Outcomes:**

- Gain information about Wildlife protection act
- Know about charges and punishments for poaching and hunting of animals
- Acquire information about the consequences of loss of biodiversity
- Importance of biodiversity and need for its conservation
- Know about endangered flora and fauna
- Steps and measures for conservation on personal and social levels.



Zoom Webinar

Recording...

View

MGV's LVH Arts...

Ganeshrao zole

Sabale S. G.

B

S

Dr. S.B. Shisode

Dr. B. S. Jagdale

Dr. Chobe Santosh

Balasaheb Kale

Prof Dr Shashikant Shisode

Arun Patil

Sabale S. G.

Ruchika Batham

R

Participants (90)

Panelists (11)

Attendees (79)

Find a participant

Sabale S. G. (Co-host, me)

MGV's LVH Arts Scienc... (Host)

Ganeshrao zole (Co-host)

Balasaheb Kale (Co-host)

Dr. B. S. Jagdale (Co-host)

Dr. S.B. Shisode (Co-host)

Arun Patil

Dr. Chobe Santosh

Prof Dr Shashikant Shisode

Ruchika Batham

Sabale S. G.

Unmute

Start Video

Participants

Q&A

Chat

Share Screen

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32°C Partly sunny

15:35

12-10-2021

Zoom Webinar

Recording...

View

Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati, Nashik

Dr. B. S. Jagdale

Golden Jubilee Year: 2021-22

One Day State level Webinar On "Wild Life Protection Act"

Resource Person: Mr. Ganeshrao Zole, Assistant Conservator of Forest, Nashik

President: P.D. Dr. B. S. Jagdale, Trustee (MGV)

Webinar ID: 997 4724 6364

Passcode: 12345

Dr. S.B. Shisode

MGV's LVH Arts Science & Commerce College Panchavati

Arun Patil

S

Dr. Chobe Santosh

Balasaheb Kale

Prof Dr Shashikant Shisode

Participants (79)

Panelists (9)

Attendees (70)

Search

NS nilesh sabale

OS Omkar suryawanshi

PA Pagar Ashish

PJ Poonam Jadhav

PB Prajakta Borade

PR Prof Resham Bhalla

PD Prof. Dr. K. H. Kapadnis Sir

PS Prof. S. J. Patil

RG Raghunath Gaikwad

RJ Rajashree Jogdand

RB Ruchika Batham

RS Rutuja Shirsath

SW Sachin Waghmare

SP Sadhavi Paigude

SH Sahare harry

ST Salve Tanvi

Unmute

Start Video

Participants

Q&A

Chat

Share Screen

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31°C Partly sunny

15:13

12-10-2021

# One Day State level Webinar On “Clean Energy Resources, Energy Conservation and Solid Waste Management”

**Date: Sep. 23, 2021 (Thursday), Time: 11:00 A.M- India**

On 23<sup>th</sup> Sept. 2021, MGVS Loknete Vyankatrao Hiray Arts, Sci. & Comm. College, Nashik is celebrating “**Golden Jubilee Year**” of its establishment. On this occasion the IQAC, Nature Club, PG Department of Botany & Research Center Jointly organized A One Day State level Webinar On “Clean Energy Resources, Energy Conservation and Solid Waste Management”. We organized this webinar in one sessions. The resource person **Dr. N. S. Lingayat**, Head, Electrical Engineering Department , Dr. Babasaheb Ambedkar Technological University’s Institute of Petrochemical Engineering, Lonere-Raigad (M.H) talk on the topic “Clean Energy Resources”. Principal Dr. B. S. Jagdale Convener, Principal & Trustee (MGV) was chair person, while Prof. Dr. Mrunal Bhardwaj, IQAC Coordinator also attended this webinar. Prof. Dr. N. B. Pawar, Head, Department of Botany , L.V.H College Panchavati, Nashik. Introduced about the webinar. Prof. Dr. S. B. Shisode, was anchoring the function while Mr. B. S. Kale delivered vote of thanks. **80 participants** attended the webinar. Participants got online certificate duly signed by Head, Department of Botany and Principal, L.V. H. College, Panchavati, Nashik.

## **Objectives:**

- Affordable and clean energy
- To conserve natural resources including energy
- Reduce the amount of material disposed in sanitary land field.
- Reducing and alimenter adverse impacts of waste material on human health and the environment to support economic development
- To encourage the preferential use of renewable energy
- Improve energy efficiency from source to use
- Ensure that energy production, conversion and use is cost competitive
- Reduce energy and carbon intensities

## **Outcomes:**

- Reduce, reuse, and recycle energy
- Generating energy that produces no greenhouse gas emissions from fossil fuels and reduces some types of air pollution
- Diversifying energy supply and reducing dependence on imported fuels
- Creating economic development and jobs in manufacturing, installation, and more.
- Renewable energy technologies could reduce CO<sub>2</sub> emissions by replacing fossil fuels in the power generation industry and the transportation sector.



Zoom Webinar | You are viewing NITIN LINGAYAT's screen | View Options

Recording

Participants (81)

Panelists (18) | Attendees (73)

Search

GM Ganesh Mahale  
GH Gautam Harkar  
HK Harshada Kahandole  
JK Jadhav kadambari  
KN Kaipana Nikam  
KG Kavita Ghate  
KK Kavita Kadwa  
KO KTR7517 Official  
MS Manali Subhash Shirke  
MK Manisha kadam  
MB Manohar Bhoje  
M Maviya  
MK Minal Kulkarni  
MJ Mohan Jopale  
MN Monali Niphade  
MA Motkar Ashwini  
MS Mr.Nilesh Sabale

India's first Geothermal Energy Power Plant Project in Ladakh

On February 7, 2021, an agreement for establishing the first geothermal Power Project was announced.

It would help it tap the potential of natural geysers touching the Puga area which happens to be 170 km east of Leh.

The project would be undertaken by ONGC.

MoUs signed between Union Territory of Ladakh, Ladakh Autonomous Hill Development Council-Leh and ONGC Energy Centre

First Phase: ONGC would drill up to 500m to tap the steam and hot sulphur water that spouts out of the geysers. It would help in running the power plant with a capacity of one megawatt.

Second Phase: Drilling would be a bit deeper to explore the potential of the thermal reservoir.

Third Phase: A commercial plant would be set up in this phase. The estimated power supply would be of 250 MW.

PCRA - An Integrated Energy Solution Provider

NITIN LINGAYAT  
Department of Botany  
MGV's LVH Arts...  
MGV's LVH Arts Science & Co...  
Dr. B. S. Jagdale  
Chetan Sanap  
Sabale S. G.  
SWATI KUMARI  
SWATI KUMARI  
Prof Dr.Shashikant Shisode  
Dr Mrunal Bhardwaj, Dean, H...  
Balasaheb Kale

Unmute | Start Video | Participants | Q&A | Chat | Share Screen | Raise Hand | Record | Leave

11:55 AM 23/09/2021

Zoom Webinar | Recording

Participants (80)

Panelists (13) | Attendees (67)

Find a participant

Department of Botany (Me)  
MGV's LVH Arts Scien... (Host)  
NITIN LINGAYAT (Co-host)  
Dr. B. S. Jagdale (Co-host)  
Prof Dr.Shashikant ... (Co-host)  
SWATI KUMARI (Co-host)  
Arun Patil  
Balasaheb Kale  
Chetan Sanap  
Dr Mrunal Bhardwaj, Dean Hum...  
Nandu Pawar  
Sabale S. G.  
Santosh C

NITIN LINGAYAT  
Department of Botany  
Dr Mrunal Bhardwaj, Dean Humanities MG V...  
SWATI KUMARI  
MGV's LVH Arts Science & Commerce College Pa...  
Dr. B. S. Jagdale  
Prof Dr.Shashikant Shisode  
Chetan Sanap  
Balasaheb Kale  
Santosh C  
Arun Patil  
Sabale S. G.  
Nandu Pawar

Unmute | Start Video | Participants | Q&A | Chat | Share Screen | Raise Hand | Record | Leave

11:12 AM 23/09/2021

# One Day Online National Webinar On **ECOSYSTEM RESTORATION**

**Date: 5 June 2021**

On 05<sup>th</sup> June 2021, Department of Botany, Nature club and IQAC, L. V. H College, Nasik jointly organized One Day National Level Webinar on **Ecosystem Restoration**. We organized this webinar in two sessions. First resource person Dr. Pratibha Tripathi (Asst. Prof. D A V College Kanpur.) talk on the topic “Ecosystem damage & how it can be restored” and second resource person Dr. Vinod Shimpale. (Asst. Prof. The New College Kolhapur.) talk on the topic “Glimpses of Biodiversity of India”. Principal Dr. C. G. Dighawkar was chair person, while Prof. Dr. Mrunal Bhardwaj, IQAC Coordinator also attended this webinar. Prof. Dr. N. B. Pawar, Head, Department of Botany, L.V.H College Panchavati, introduced about the webinar. Prof. Dr. S. B. Shisode, was anchoring the function while Mr. S. G. Sabale delivered vote of thanks. [122 participants](#) attended the webinar. Participants got online certificate duly signed by Head, Department of Botany and Principal, L.V. H. College, Panchavati, Nashik.

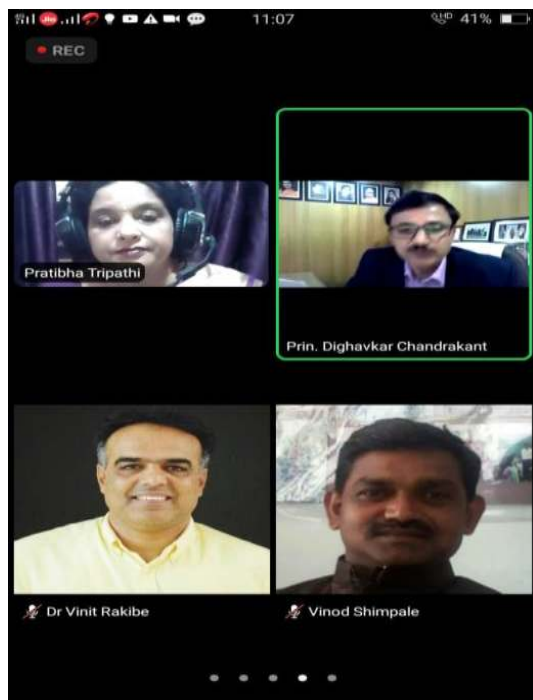
## **Objectives:**

- To protect all critically endangered, endangered, and rare species.
- To reduce pollution.
- To maintain ecological balance.
- To utilize the natural resources in a sustainable way.

## **Outcomes:**

- Reduce, reuse, and recycle. Cut down on what you throw away. ...
- Volunteer. Volunteer for cleanups in your community. ...
- Educate. ...
- Conserve water. ...
- Choose sustainable. ...
- Shop wisely. ...
- Use long-lasting light bulbs. ...
- Plant a tree.
- Don't send chemicals into our waterways






Recording

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# BIODIVERSITY HOTSPOTS



Myers (2000) : A region must meet two strict criteria:

1. It must contain at least 0.5% or 1,500 species of vascular plants as endemics,

Activate Windows  
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ENG 12:18 PM 6/5/2021

Recording

## Ecosystem damage and how it can be restored

Dr.Pratibha Tripathi



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ENG 11:31 AM 6/5/2021



# Attendance

4:25 PM | 29.1KB/s | 47

← About this call

People Information

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ADD OTHERS

















































































































































Share joining information

IN CALL

Sabale S. G. (You)		
#Nikita Sujgure		
#Sonu Chavan		
Aastha Gaikwad		
Aditi Gangurde		
Aishwarya Pawar		
Akshada Kapse		
Akshay Dube		
Aniket Dhondge		
Apurva		
AQSA KHAN		
Arati Salave		
Ashish Dhale		
Ashwini Pawar		
Ayesha Monde		

Bhagyashri Sonawane		
Bhakti Patil		
Bhavana Gaikwad		
Devendra More		
Dipali Gotarne		
Dipali Rokade		
Dipika Wagh		
Gaikwad Ajay		
Ganesh Chavan		
Ganesh khade		
Gauri Kale		
Gayatri Bhagwat		
GEETA MAHAJAN		

hemangini gavit		
Hetal Patel		
jay gujar		
jayashri borse		
jayesh patil		
Jivan s Deore		
Kahandole Harshada		
Kalyani Gadakh		
Kanchan Chauhan		
Kaveri Jadhav		
Kavita Kadwa		
Khisraj Bhondve		
Komal Asrani		
komal shinde		
Krushna Pawar		
Kshitija Nagesh		
Linesh Patil		
Mansi Warungase		
Minakshi Bhabad		
MOHAN JOPALE		
mohini barse		
Nandu Pawar		
Naresh Ghute		
Neha Chandaliya		

	Neha Desai				sandip rukari		
	Neha Kurve				Sanket More		
	Nikita Kuwar				SAURAV NARODE		
	Nikita Phadol				Seena kotakolum		
	Nilesh koli.				Sf Shaikh		
	Nutan Thakare				SHASHIKANT AHER		
	Onkar Sawant				Shital Gaikwad		
	Pooja Dhale				Shivani Sharma		
	Pooja Pagar				Shraddha Jadhav		
	Poonam Jadhav				Shruti Kawade		
	Prajakta Borade				Shruti Zend		
	Pramod Sonawane				Shubham Shevkar		
	Pranjal Patil				Siddhant Sapkal		
	Pravin Bhoje				Sonali Pasare		
	Priti Kapadnis				Sumit Chavan		
	Priyanka Patil				usha kumavat		
	Purva Mahulikar				vaishnavi barve		
	raghunath gaikwad				Yash Chaudhari		
	Rahul Borse				Yashashree Bhoje		
	Rani Bhawar						
	Rinku Pawar						
	Rohit Khandve						
	Rupali Patole						
	Rushikesh Nikam						
	Rutu Shirsath						
	Sachin Waghmare						
	Sagar Ahire						
	Sagar Thakare						
	Sakshi Nagrale						



# **One Day State Level Webinar**

## **On**

### **“Biodiversity & Its Application”**

On 22<sup>nd</sup> May 2021, Department of Botany and IQAC, L. V. H College, Nasik jointly organized One Day State Level Webinar on Biodiversity & Its Application. We organized this webinar in one sessions. The resource person was Prin Dr. V. P. Mali (J. Watumull Sadhubella Girls College, Ulhasnagar, Thane). He delivered a lecture on “Biodiversity & Its Application”. Principal Dr. C. G. Dighawkar was chair person, while Prof. Dr. Mrunal Bhardwaj, IQAC Coordinator also attended this webinar. Prof. Dr. N. B. Pawar, Head, Department of Botany, L.V.H College Panchavati, introduced about the webinar. Prof. Dr. S. B. Shisode, was anchoring the function while Mr. S. G. Sabale delivered vote of thanks. **Total 89 participants** attended the webinar. Participants got online certificate duly signed by Head, Department of Botany and Principal, L.V. H. College, Panchavati, Nashik.

#### **Objectives:**

- To increase public awareness through media, government agencies, NGOs, etc.
- To implement strict restrictions on export of rare plants.
- To preserve all varieties of old and new flora, fauna and microbes.
- To protect natural habitats

#### **Outcomes:**

- Resource Person Prin. Dr. V. P. Mali rightly explains about the Biodiversity and its scenarios.
- Human actions are fundamentally, and to a significant extent irreversibly, changing the diversity of life on Earth, and most of these changes represent a loss of biodiversity.
- Although many individuals benefit from the actions and activities that lead to biodiversity loss and ecosystem change, the full costs borne by society is often higher. This is revealed by improved valuation techniques and information on ecosystem services.

## State Level Webinar on “Biodiversity & It's Application” on 22/05/2021



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

Panchavati, Nashik – 422 003

(Reaccredited by NAAC with Grade 'A')

*The IQAC & PG Department of Botany & Research Centre  
jointly organized*

*A One Day State Level Webinar On*



## “Biodiversity & It's Application”

22<sup>nd</sup> May, 2021 [Saturday]



□ Resource

Person

**Principal Dr. Vasant P. Mali**  
(J. Watumull Sadhubella Girls  
College, Ulhasnagar, Thane)

Biodiversity



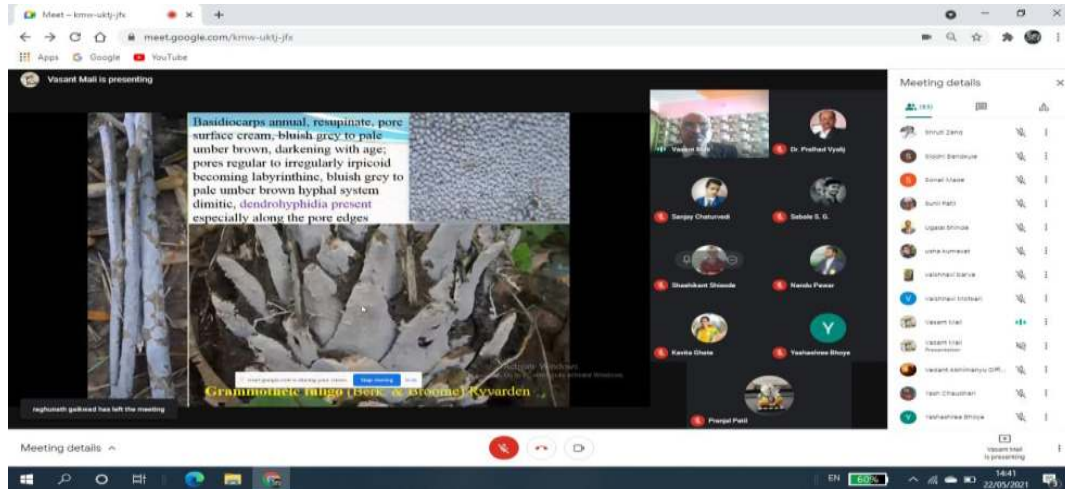
**Prof. Dr. S. B. Shisode**  
**Mr. S. G. Sabale**  
(Co-ordinator)

**Prof. Dr. N. B. Pawar**  
(Organizing Secretary)

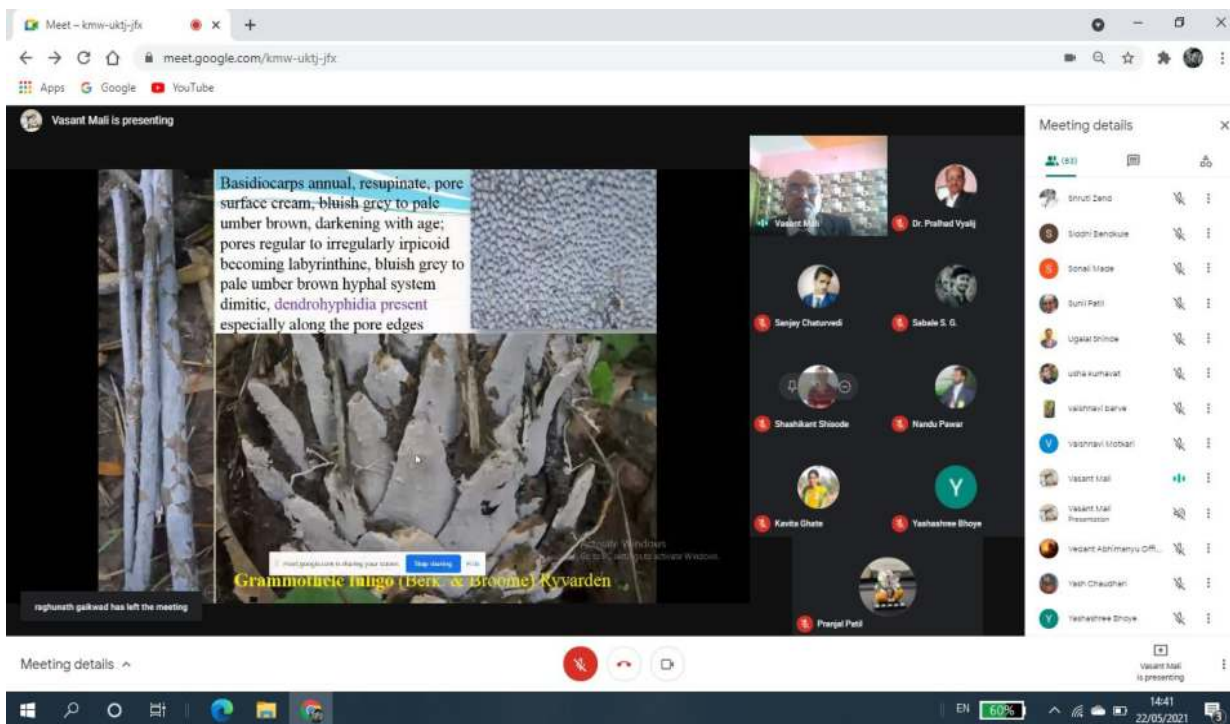
**Prof. Dr. Mrunal Bhardwaj**  
(IQAC Co-Ordinator)

**Principal**  
**Dr. C. G. Dighavkar**  
(Convener)

**Dr. Mali deliver the lecture on the topic Biodiversity and its Application. And 89 Participants attended the webinar.**



### State Level Webinar on “Biodiversity & It’s Application” on 22/05/2021





# Attendance

# Attendance

<div>2:28 PM   171KB/s</div> <div>About this call</div> <div><div>People</div><div>Information</div><div><div>S</div><div>Shubham Shevkar</div><div></div><div></div></div><div><div>S</div><div>Siddhant Sapkal</div><div></div><div></div></div><div><div>S</div><div>Siddhi Bendkule</div><div></div><div></div></div><div><div>S</div><div>Sonali Made</div><div></div><div></div></div><div><div>S</div><div>Sunil Patil</div><div></div><div></div></div><div><div>S</div><div>Ugalal Shinde</div><div></div><div></div></div><div><div>S</div><div>usha kumavat</div><div></div><div></div></div><div><div>S</div><div>vaishnavi barve</div><div></div><div></div></div><div><div>V</div><div>Vaishnavi Motkari</div><div></div><div></div></div><div><div>V</div><div>Vasant Mali</div><div></div><div></div></div><div><div>V</div><div>Vasant Mali</div><div></div><div></div></div><div><div>V</div><div>Vedant Abhimanyu Official</div><div></div><div></div></div><div><div>V</div><div>Yash Chaudhari</div><div></div><div></div></div><div><div>V</div><div>Yashashree Bhoye</div><div></div><div></div></div></div>
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 2:28 PM | 179KB/s  About this call  People  Information  P  Priti Jakhere  P  Priyanka Patil  P  Purva Mahulikar  T  raghunath gaikwad  R  Raman Kharpade  R  Resham Bhalla  R  Rohit Khandve  R  ruchika batham  R  Rupali Patole  R  Rutu Shirsath  R  RUTUJA JADHAV  S  Sabale S. G.  S  sachin Dambale  S  Sachin Waghmare | 2:28 PM | 164KB/s  About this call  People  Information  S  Sagar Thakare  S  sandip rukari  S  Sanjay Chaturvedi  S  Saurabh Deore  S  Shashikant Shisode  S  Shashikant Shisode  S  Shital Suryawanshi  S  Shivade Akanksha  S  Shruti Zend  S  Shubham Shevkar  S  Siddhant Sapkal  S  Siddhi Bendkule  S  Sonali Made  S  Sunil Patil | 2:28 PM | 173KB/s  About this call  People  Information  N  Neha Desai  N  Neha Kurve  N  Nikita Kuwar  N  Nikita Pagar  N  Nikita Phadol  N  Nilesh koli.  N  Nitin Kolhe  N  Pallavi Valhe  P  pawar rutuja  P  Poonam Jadhav  P  pradeep waghmare  P  Prakash Pawar  P  Pramod Sonawane  P  Pranjal Patil || 2:28 PM | 166KB/s  About this call  People  Information  K  Kahandole Harshada  K  Kanchan Chauhan  K  Kashinath Hole  K  Kaveri Jadhav  K  Kavita Ghate  K  khushilal gavit  K  KOMAL PALVE  K  Kshitija Nagesh  K  Kumkum Kamble  L  Linima Thakare  M  Minakshi Bhabad  M  MOHAN JOPALE  m  mohini barse  N  Nandu Pawar | 2:28 PM | 184KB/s  About this call  People  Information  D  Deepak dip  D  Devendra More  D  Dipali Gotarne  D  Dipika Wagh  D  Dr. Kishore R. Nikam  D  Dr. Rekha Bhadane  G  Ganesh Chavan  G  Ganesh Mahale  G  Gauri Gadakh  G  Gayatri Tayade  G  GEETA MAHAJAN  H  Haridas Sahare  H  Harshal Gaikwad  J  jayashri borse | 2:28 PM | 164KB/s  About this call  People  Information  S  Sabale S. G. (You)  S  #Sonu Chavan  S  #Sujgure Nikita  A  Akshay Dube  A  Aniket Dhondge  A  anita patil  A  Aparna Giri  A  Ashish Dhale  A  Ashish Pagar  A  ashok bhadane  C  Chandrakant Dighavkar  C  chetan deore  C  chetan sanap |

# Poster presentation Competition

**Date: 28/02/2020**

The P.G. Department of Botany organized a **Science Day Celebration** on events of 28<sup>th</sup> Feb. 2020. The day was celebrated by **Poster Presentation Competition**. The said competition was inaugurated by Prin. Dr. C. G. Dighavkar in Presence of Dr. T. B. Pawar (Chairman Science Association), Dr. S. D. Patil (Sci. Fac. Incharge), Vice Prin. Dr. V. H. Rakibe, Dr. S. S. Chobe, Dr. Kishor Nikam, Prof. Sunil. J. Patil, Dr. S. B. Shisode, Miss Uma. V. Vidhate, Miss V. B. Suryawanshi, Miss. R. K. Batham, Mr. S. G. Sabale had taken the efforts for organizing the programme. Dr. N. B. Pawar welcomed the dignitaries and introduced the theme of the seminar and why this day is celebrated.

40 students of U.G & P.G class participated and presented their poster and explained in detail the topic selected. The students focused on various topics related to the theme like global warming, E-waste management, thermal pollution, water, air, sound, ozone depletion, save tree save environment, air monitoring techniques, deforestation. etc. Prin. Dr. C. G. Dighavkar and Dr. T. B. Pawar congratulated all the participants for their nice active participation and interaction for the same.

Dr. S. B. Shisode declared First, Second & Third winner of the competition.

First prize - Miss. Priyanka Uchale (M.Sc.II)

Second Prize- Miss. Neha Desai. (M.Sc.I)

Third Prize - Miss. Pawar Aishwarya. (F.Y.B.Sc.)

Runner up- Mr. Sandip Rukari (M.Sc.I)

## Objectives:

- Spread the message of importance of science among people
- Know about the applications of science and technology
- Spread awareness about need of education for children to create more innovations in the field
- Raise public appreciation of scientific issues
- Gain information about impacts of science on education, skills and work

## Outcomes:

- Celebration of science day in Educational institutions
- Active participation of students and staff
- Importance of science in daily life
- Knowledge about major advancements in science and technology and need for more research and innovations
- Guidance about future career opportunities in the field





# Poster presentation Competition

**Date: 28/02/2019**

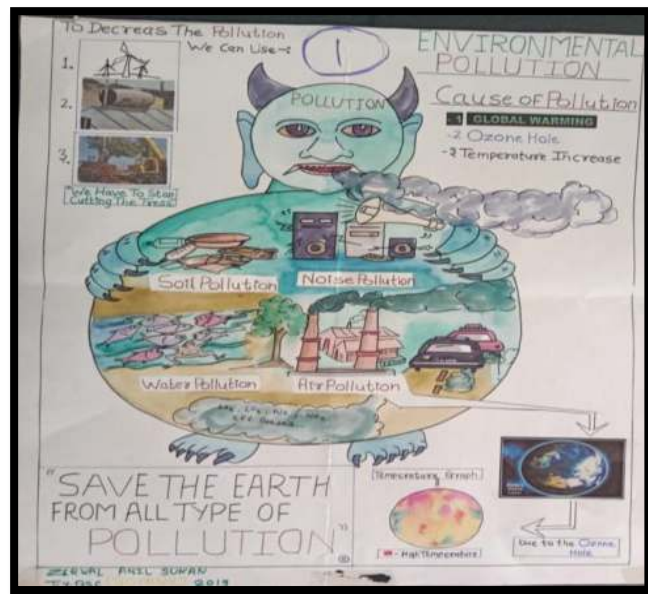
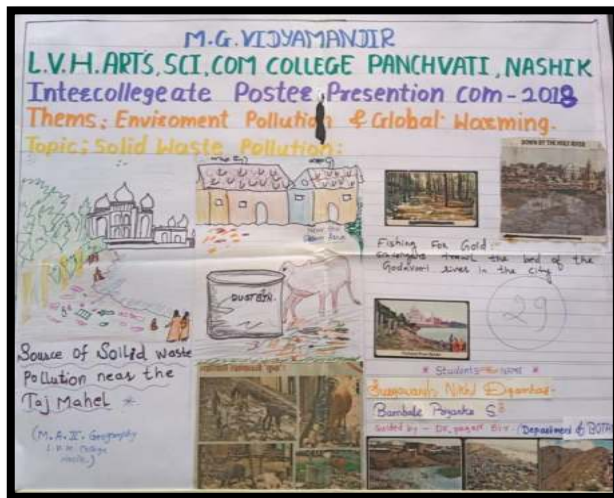
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## Objectives:

- Spread the message of importance of science among people
- Know about the applications of science and technology
- Spread awareness about need of education for children to create more innovations in the field
- Raise public appreciation of scientific issues
- Gain information about impacts of science on education, skills and work

## Outcomes:

- Celebration of science day in Educational institutions
- Active participation of students and staff
- Importance of science in daily life
- Knowledge about major advancements in science and technology and need for more research and innovations
- Guidance about future career opportunities in the field



**M.G.V.S.**  
**L.V.H. Arts, Science & Commerce College Panchavati Nashik-3**  
**Poster Presentation in Botany**  
**(2018-19)**

Sr. No.	Roll No.	Class	Name of Students	Topic	Sign.
1.		M.Sc.	Kadim Pallavi Shrivast	Hydroponics	Shrivast
2.		M.Sc.	Nekar Nita		Nekar
3.		M.Sc.	Chavan Urvashi	Plant Biodiversity	Chavan
4.		TYBSc	Pallavi Kulkarni	5 Kingdom	Pallavi
5.		SYBSc	Sedani Tathya	Vertical Gardening	Sedani
6.		M.Sc.	Chavan Ujjwal B.	Global Warming	Chavan
7.		M.Sc.	Lokhande Harshada	Environmental Pollution	Lokhande
8.		M.Sc.	Kehrisagar Pooja S.		Kehrisagar
9.		M.Sc.	Khelukar Pallavi A.	Botany	Khelukar
10.		TYBSc	Khande Ajay Appa	in Landscape	Khande
11.		TYBSc	ZIRVAL ANIL SUDAN	Designing	Zirval
12.		TYBSc	Chaudhari Anirudh Ramdas	Plant	Chaudhari
13.		TYBSc	Diwa Rakesh Chandav	Plants	Diwa
14.		TYBSc	Apurv Vinayak Khatav	Autism	Apurv
15.		TYBSc	Gavali Anil Rama	Autism	Gavali
16.		FRSc	Salunke Gayatri Santosh	Autism	Salunke
17.		TYBSc	Khairnat Shubham Prabhakar	Autism	Khairnat
18.		TYBSc	KHADE GANESH POPAT	Autism	Khade

# Tree plantation drive

Date: 06/08/2018

IQAC and P.G. Department of Botany & Research Center organized Tree plantation drive on 06/08/2018. On this occasion, Prin. Dr. C. G. Dighavkar, Dr. T. B. Pawar (Chairman Science Association) Vice Prin. Dr. V. H. Rakibe, IQAC Coordinator Prof. Dr. Mrunal Bhardwaj, Dr. N. B. Pawar, Head, Department of Botany, Dr. S. D. Patil, Dr. S. S. Chobe, Dr. S. B. Shisode, Miss Uma. V. Vidhate, Miss V. B. Suryawanshi, Miss. R. K. Batham, and other staff and students actively participated in tree plantation. More than 30 people were present for the plantation.

## Objectives:

- To direct students mind in constructive activities with the positive outcome through the facilitation of contributing to the society.
- To promote the importance of tree plantation and conservation in society by nature club of botany and activity contribution by students.
- The saplings including Kadamba, Neem, Spathodia, Putranjiva, Silver oak etc to be planted.
- Improvement in the quality of air and reduction in pollution.
- Encouraging students to plant trees

## Outcomes:

- Purifying Air
- Cooling Down the Streets.
- Natural Air Conditioning.
- Saving Water.
- Reinforcing Soil.
- Preventing Water Pollution.
- Providing Shelters for Wildlife.
- Renewable Energy Source.





# Tree plantation drive

**Date: 18/08/2017**

IQAC and P.G. Department of Botany & Research Center organized Tree plantation drive on 18/08/2017. On this occasion, Prin. Dr. B.S. Jagdale, Dr. T. B. Pawar (Chairman Science Association) Vice Prin. Dr. N. B. Pawar, IQAC Coordinator Prof. Dr. Mrunal Bhardwaj, Dr. N. B. Pawar, Head, Department of Botany, Dr. S. D. Patil, Dr. S. S. Chobe, Dr. S. B. Shisode, and other staff and students actively participated in tree plantation. The tree plantation drive was organized at Tavli Phata. 50 people were present for the event.

## Objectives:

- To direct students mind in constructive activities with the positive outcome through the facilitation of contributing to the society.
- Encouraging students to plant trees
- To promote the importance of tree plantation and conservation in society by nature club of botany and activity contribution by students.
- Improvement in the quality of air and reduction in pollution.

## Outcomes:

- Natural Air Conditioning.
- Purifying Air
- Cooling Down the Streets.
- Reinforcing Soil.
- Saving Water.
- Preventing Water Pollution.
- Renewable Energy Source.
- Providing Shelters for Wildlife.







S.B. Shisode  
 C Pmb. Dr. S. B. Shisode,  
 Coordinator Research Centre  
 PG Department of Botany,  
 Loknete Vyankatrao Hiray Arts, Science and Commerce College,  
 Panchavati, Nashik - 422 003.





Founder



Karmaveer Bhausaheb Hiray

Mahatma Gandhi Vidyamandir's

## **Loknete Vyankatrao Hiray Arts, Science & Commerce College**

Affiliated to S.P.P. Uni., Pune Id. No. PU/NS/ASC/018 [1971]

Website : [www.lvhcollege.com](http://www.lvhcollege.com) e-mail : [lvhcollege@gmail.com](mailto:lvhcollege@gmail.com)

Re-Accredited by NAAC with 'A' Grade  
Best College Award 2017 (S.P. Pune University)

# **E-Waste Management**

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Mahatma Gandhi Vidyamandir's  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College**  
Panchavati, Nashik-422003  
**DEPARTMENT OF ELECTRONIC SCIENCE**

**E-Waste Management by the Reuse of Electronic Components  
For Experimental Kits**

**Objectives of the Practice:**

1. To create awareness about E-waste.
2. To sensitize students about hazards of the E-waste.
3. To introduce the concept of Reduce, Recycle and Reuse.
4. To enhance the subject knowledge of the student.
5. To encourage practical application of the subject knowledge.

**The Context:**

The concept of waste management is fairly new in the Indian context. We have a poor waste management system and the waste is always discarded openly either by the roadside or thrown into the river water. This practice of discarding waste openly has led to many health and environmental issues. As far as health is concerned, we have been facing many epidemics since ancient times which are related to air and water-borne diseases. The rotten waste produces harmful gases that mix with the air causing breathing problems. The waste has a toxic effect due to the biodegradable gases in it. Environmental pollution is a serious issue as it has caused the clogging of the earth creating threats to the living organism on the earth. Most of the land has become infertile due to the clogging of the earth. E-Waste is particularly dangerous as it has contaminants that can lead to cancers, miscarriages and neurological damage.

**The Practice:**

The appropriate management of E-waste and its reuse for making practical kits has proved to be highly beneficial for the department of Electronic Science. Earlier the practical was performed manually on the Breadboard. It was a costly matter and a few students can work on it at a time. Consequently, it used to take a long time to conduct the practical sessions for all students which in turn also used to affect the teaching-learning process.

The students of the department under the guidance of the faculty re-used some of the electronic components which were supposed to be e-waste. With the help of other devices, they turned these electronic components into practical kits. They designed, developed and tested the practical kits so that they should be perfect without any drawbacks. Thus, they developed practical kits like Logic-gates, and



op-amp (an operational amplifier). These practical kits made the actual practical very easy. Students can perform multiple practical on a single kit. So it became easy to conduct practical sessions for many students at a time. Similarly, there were many practical related instruments and equipment like power supplies, CRO and computers that were out of use and lying as scrap in the laboratory. The students of the department under the guidance of the faculty worked on them and turned this equipment into working conditions. Thus, with the cooperation of the faculty and the students, the department could avail a maximum number of instruments to the students for purpose of performing practical. The students get exposure to many instruments and an opportunity to tackle them and get practical knowledge.

Through this practice, the department could avail job opportunities to the students under the Earn and Learn scheme. The Board of Student Development in association with SPPU runs the Earn and Learn Scheme for economically backward students. The aim of the scheme is to avail job opportunities to the students on the campus itself so that they earn to support themselves while learning. The Board always encourages to avail job opportunities for the students where they can learn something in a true sense. The students could earn while learning and could do substantial work which is the real objective of the scheme.

At the same time, the instruments designed by the students are very costly. Through this practice, the students could save the money spent on the purchase of these instruments. All these instruments were repaired and brought into use with minimum repairing cost.

#### **Evidence of Success:**

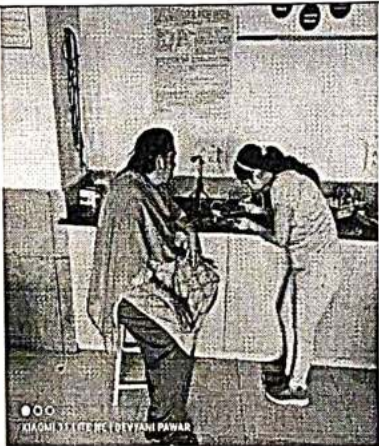





The immediate evidence of the success is the number of practical kits available for the students. As many practical kits are available, many students can perform practical at a time that can obviously save the time which can be spared for the teaching-learning process. By designing the kits, the students can apply the subject knowledge in day-to-day life. It was a good experience of on-field learning for the students. It was a real lesson in experiential learning also. Designing the new practical kits proved to be motivation for the creative spirit of the students and they can experience the pleasure of creativity. It also led to building up the team spirit as the students work in group. Under the guidance of one another, they experimented with the e- components. It was also an ideal scenario of mentorship as senior students guided the junior ones. It could also create a good rapport between the students and teachers. As the making of the new practical kits from the discarded components is very economical it saved the cost of purchasing new practical kits. The department could avail job opportunities to the students in the department itself which is also vocational training for the students.

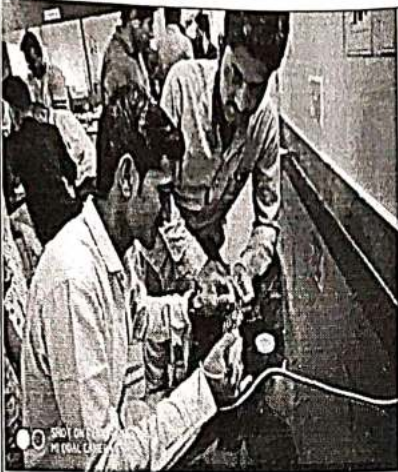
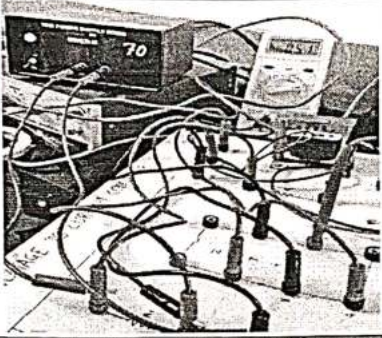


## Problems Encountered and Resources Required

Preservation of e-waste is the main problem that was faced by the department. Usually, we discard the waste material with the conception sooner the better. It is also hazardous to preserve the e-waste. There has been the issue of the room also as the scrap material occupies a larger place. Giving training to the students is also a challenge as it involves a risk factor. The work needs to be supervised continuously. Giving training is an additional work and the faculty and the students have to spend extra time for the training. So, the time constraint has been a continuous problem.

### E-Waste management and Reuse for practical Kit Making

Year	Name of Activity	Date of Activity	Photograph of Activity conducted	
2021-22	Reuse of E-waste for Development of Experimental kits	23/12/2021		
2020-21	Reuse of E-waste for Development of Experimental kits	24/02/2021		
2019-20	E-waste Management and Reuse for kit making	6/11/2019 to 8/11/2019		

2018-19	Workshop on "Component and instrument testing, repairing and Maintenance".	3-5/08/2018		---
2017-18	E-Waste management and Reuse for practical Kit Making	21/09/2017		---

*[Handwritten Signature]*

**Head**  
Department of Electronic Science  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.





Founder



Karmaveer Bhausaheb Hiray

Mahatma Gandhi Vidyamandir's

# **Loknete Vyankatrao Hiray** **Arts, Science & Commerce College**

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Best College Award 2017 (S.P. Pune University)

## **START UPS**

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**Mahatma Gandhi Vidyamandir's**


**Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati, Nashik**


**PG Department of Psychology & Research Centre**

**Report of Start Up**

The Following students of PG Department of Psychology & Research centre are started their own counselling services in the field of psychology after completion of their PG from this centre. The various lectures and practical sessions which were conducted by the department have helped them for establishing their own centres.

Sr. No	Name of the Student	Year of Passing	Year of Start up	Services	
1	Anagha Chaudhari	2016-17	2019	Provide Counseling Facilities	
2	Dr. Mayuri Ande-Bamble	2014-15	2019	Provide Counseling Facilities	
3	Rajendra Dalakari	2017-18	2019	Provide Counseling Facilities	

4	Priya Kadam (Prayaga)	2019-2020	2022	Provide Counseling Facilities	
5	Priyanka Naik	2020-2021	2023	Provide Counseling Facilities	

  
**Head**  
**Department of Psychology**  
 Loknete Vyankatrao Hiray  
 Arts, Science & Commerce College.  
 Panchavati, Nashik - 3.

Prof. Dr. Mrunal A Bhardwaj  
 Head

PG Department of Psychology & Research Centre

**M.G.V.'s LOKNETE VYANKATRAO HIRAY ARTS,  
SCIENCE AND COMMERCE COLLEGE, NASHIK.**

**DEPARTMENT OF CHEMISTRY**

**STUDENT STARTUP DETAILS**

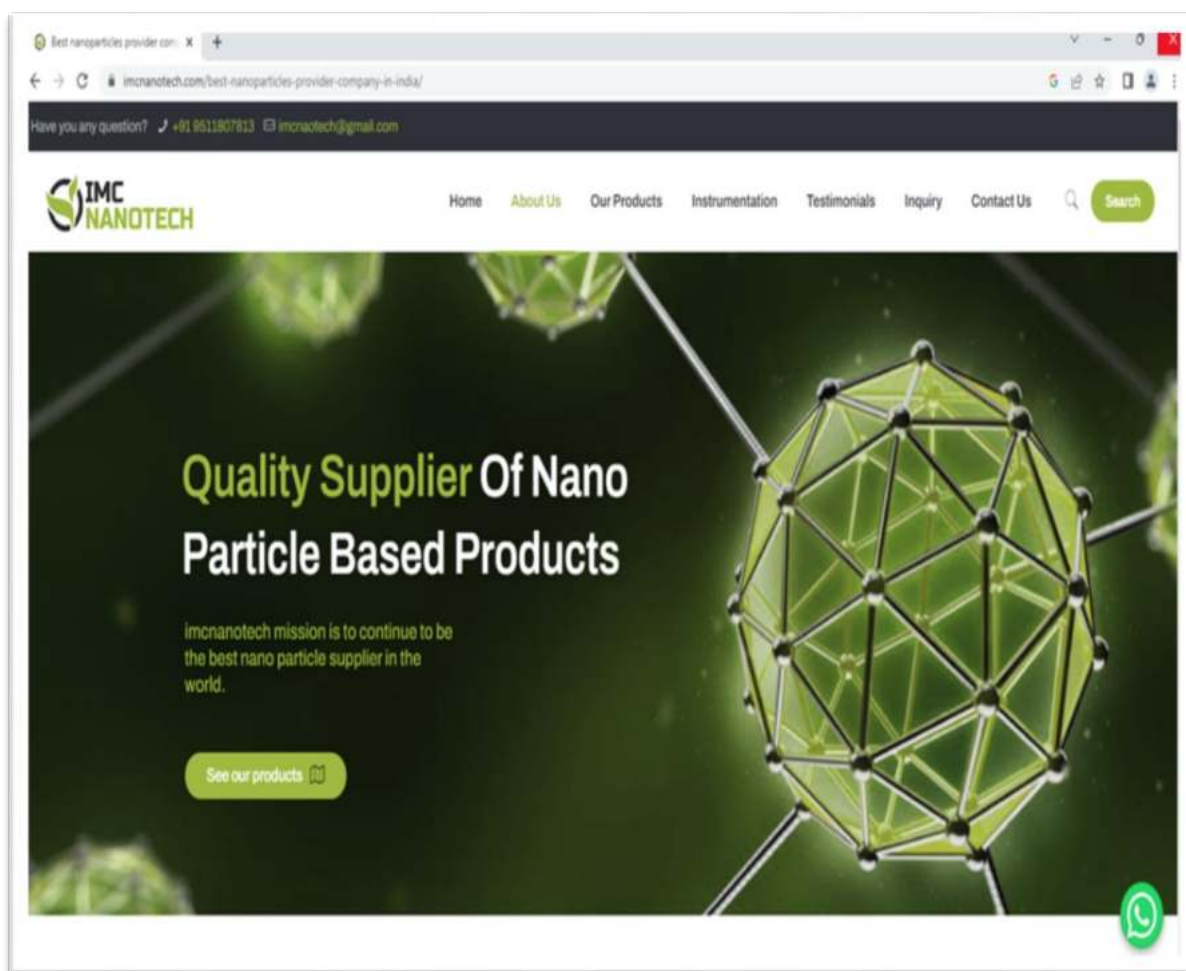
<b>NAME OF THE ALUMINI</b>	<b>PASSING OUT YEAR</b>	<b>YEAR OF STARTUP</b>	<b>NAME OF THE INDUSTRY/STARTUP</b>
ROSHAN M. KOLHE	2017	2018	IMPLANT CROP CARE
PRASHANT MORE	2018	2019	AGRITEK AGROSPECIALITY PRODUCTS
AJAY M. SHELAR	2018	2020	AJAY AND RAHUL LABDOOR DIAGNOSTICS





## Mr. Roshan Madhukar Kolhe


Roshan Kolhe is the founder of the industry named Implant Crop Care. He did his post-graduation from our college in physical chemistry in the year 2017. In his last year he did project on “Synthesis and characterisation of  $\text{Co}_3\text{O}_4$  nanoparticle and study their applications antimicrobial activity and photocatalytic degradation” After that he implemented his research work for his startup of production of PGR and Nanoparticle Manufacture and Marketing at Ugaon, Niphad in the year 2018.



# महाराष्ट्र दुकाने व आस्थापना (नोकरीचे व सेवाशर्तीचे विनियमन) नियम, २०१८ Form - 'F'

[See Rule 8]

## APPLICATION FOR INTIMATION

Application ID	104430681803			
Registration Certificate / Intimation Receipt No. नोंदणी क्रमांक / पावती क्रमांक	1820600312321765			
Division / विभाग	Nashik			
District / जिल्हा:	Nashik			
Office Name	Shop Inspector Office, Niphad, Address - Municipal Council, Tahsil Niphad, District- Nashik			
Name of the establishment / आस्थापनेचे नाव	IMPLANT CROP CARE IMPLANT CROP CARE			
Previous details of establishment / आस्थापनेची पूर्वीची सविस्तर माहिती				
Postal address and situation of the Establishment / ( आस्थापनेचा पत्ता )	AT KHEDE, POST UGAON, NIPHAD, , NIPHAD, NASHIK, 422304		AT KHEDE,POST UGAON,NIPHAD,,निफाड,नाशिक,422304	
Mobile / भ्रमणधनी क्र.	7387382838			
Email-id / ई - मेल आय डी				
Date of commencement of business / व्यवसाय सुरु केल्याचा दिनांक	16/01/2018			
Nature of Business / व्यवसायाचे स्वरूप	PGR AND NANOPARTICAL, MANUFACTURE AND MARKETING		PGR AND NANOPARTICAL, MANUFACTURE AND MARKETING	
Whether establishment falls under public or private sector / आस्थापना सार्वजनिक क्षेत्रात येते की खाजगी क्षेत्रात येते	Private			
Total No. of Employee	Men	Women	Transgender	Total
	5	4	0	9
Name of the Employer / मालकाचे नाव	ROSHAN MADHUKAR KOLHE		रोशन मधुकर कोल्हे	
Residential Address of the employer / मालकाच्या निवासस्थानाचा पत्ता	AT KHEDE,POST UGAON,NIPHAD,,NIPHAD,NASHIK,422304		AT KHEDE, POST UGAON, NIPHAD, ,निफाड, नाशिक, 422304	
Resident Since / वास्तव्य	2000			
Status / Designation	PROPRIETOR			
Mobile No	7387382838			
E-mail ID	roshankolhe77@gmail.com			
Aadhar No	404190225958			
Name of Manager / व्यवस्थापकाचे नाव				
Residential address of Manager / व्यवस्थापकाच्या निवासस्थानाचा पत्ता				
Contact No				
Fax No				
Email-ID / ई - मेल आय डी				
Aadhar No				



**Mr. More Prashant Suresh**

Prashant More is student of our college who has done his post-graduation in organic chemistry in the year 2018. Later he did a startup of industry named Agritek Agrospeciality Products.







उद्योग आधार



Udyog Aadhaar



**A**

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAM No.	<b>MH23A0043240</b>		

### Udyog Aadhaar Memorandum

1. Aadhaar Number									
2. PAN Number	FQNPM5602L								
3. Name of Entrepreneur	PRASHANT SURESH MORE								
4. Social Category of Entrepreneur	OBC								
5. Gender	Male								
6. Physically Handicapped	No								
7. Name of Enterprise	PRASHANT SURESH MORE								
8. Type of Organization	Proprietary								
9. Location of Plant Details									
	SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District
	1	107/4/1	Near Shejwal Polytechnique	Manmad Yeola highway	Anakwade	Manmad	423104	MAHARASHTRA	NASHIK
10. Official Address of Enterprise	107/4/1, ANAKWADE, MANMAD								
	District		NASHIK		State		MAHARASHTRA		PIN 423104
	Mobile No:		9175182502		Email:		prashantmorey92@mail.com		
11. Date of commencement	02/09/2019								
12. Previous Registration details-if any	::								
13. Bank Details	IFS Code MAHB0000276								
	Bank Account: 20123839957								
14. Major Activity	MANUFACTURING								
	SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type				
16.	1	20 - Manufacture of chemicals and chemical products	2012 - Manufacture of fertilizers and nitrogen compounds	20121 - Manufacture of urea and other organic fertilizers	Manufacturing				
17. Persons employed	2								
18. Investment (Plant & Machinery / Equipment's)	5(Rs. In Lakhs)								
19. District Industry Centre	NASHIK								

#### Declaration

I hereby declare that information given above is true to the best of my knowledge. Any information, that may be required to be verified, shall be provided immediately before the concerned authority.

MyMsme Mobile App (Beta Version) is available now for download. <https://play.google.com/store/apps/details?id=msme.mysmsme>



Click here for Udyog Aadhaar Registration Certificate



### **Mr. Ajay Macchindra Shelar**

Ajay Shelar is a student of our college who completed his post-graduation in the year in Inorganic Chemistry in the year 2018. After that he worked at Darshan Chemicals, Navi Mumbai in the quality control department. Later he did DMLT in the year 2020 and worked as a lab technician at Nashik Speciality laboratory. After that he did startup of his own with his friend Mr. Rahul Nikam and named their startup as Ajay and Rahul Labdoor Diagnostics.





**GOVERNMENT OF INDIA**  
**MINISTRY OF CORPORATE AFFAIRS**  
**Central Registration Centre**

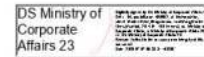
**Form 16**

**[Refer Rule 11(3) of the Limited Liability Partnership Rules, 2009]**  
**CERTIFICATION OF INCORPORATION**

LLP Identification Number: **AAS-7979**

It is hereby certified that AJAY AND RAHUL LABDOOR LLP is incorporated pursuant to section 12(1) of the Limited Liability Partnership Act, 2008.

Given under my hand at Manesar this Seventh day of July Two thousand twenty.



**SHIV PAL SINGH**  
**ASST. REGISTRAR OF COMPANIES**  
For and on behalf of the Jurisdictional Registrar of Companies  
Registrar of Companies  
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the LLP on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the LLP can be verified on [www.mca.gov.in](http://www.mca.gov.in)

Mailing Address as per record available in Registrar Office:

**AJAY AND RAHUL LABDOOR LLP**

**FL 2,,GEET NARAYAN ENCLAVE TRIMBAK ROAD,,NASHIK,Nashik,Maharashtra,422001,India**







Mahatma Gandhi Vidyamandir's  
**Loknete Vyankatrao Hiray Arts, Science and Commerce College**  
Panchvati, Nashik

Department of Geography

**Startup Information**

Sr. No.	Name of the Students	Name of the Startup	Year of Startup
1	Mr. Sagar Kadam	Kadam Classes, Datta Nagar Ambad, Nashik	Jan. 2018
2	Mr. Ganesh Mungase	Kamathwade, 4th Scheme, CIDCO, Nashik	Jan. 2019
3	Mr. Kushal Dalavi	Krusha Seva Kendra, At post-Sarad, Taluka-Surgana, District-Nashik	Dec. 2019
4	Mr. Ghuge Ravindra	Poultry Farm, Amravati, Dist.: Amravati (MS)	Feb. 2021
5	Mr. Umesh Pagar	Ring Chemicals Industries, Khambale, Wadholi, Tal. Trimbakeshwar, Dist. Nashik	July 2022

Dr. R.V. Patil

**Head**  
**Department of Geography**  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.

॥ श्री ॥

# कदम क्लासेस

इ. ११ वी, १२ वी

(FY, SY, TY B.COM) ACCOUNTS, S.P, O.C / SCIENCE

**प्रवेश सुरु**

**कदम सर**

8380843871  
8625810701

- ✧ वस्तातेसाठी वैशिष्ट्ये
- ✧ मोजके विद्यार्थ्यांच्या बॅचेस
- ✧ सकाळ, संध्याकाळ बॅचेस
- ✧ सामाहिक चाचणी परिक्षेचे आयोजन.
- ✧ अत्यंत माफक फी दर.
- ✧ अनुभवी व तज्ञ अध्यापक वर्ग
- ✧ सर्वच विषयांचे सखोल मार्गदर्शन.
- ✧ प्रत्येक विद्यार्थ्याकडे वैयक्तिक लक्ष.
- ✧ उत्कृष्ट निकाल हेच आमचे ध्येय.

पत्ता : गाळा नं.७, कुसुम मंगल, आर्पाटमेंट, कारगिल चौक, दत्त नगर, अंबड, नाशिक-१०

Mr. Sagar Kadam started Kadam Classes, in Jan., 2018

महाराष्ट्र दुकाने व आस्थापना (नोकरीचे व सेवाशर्तीचे विनियमन) नियम, २०१८

नमुना "ग"

(नियम ९ पहा)

सूचना दिल्याबाबत पावती



अर्जदाराने नमुना फ द्वारा व्यवसाय सुरु केल्याबाबतची सूचना खाली नमूद केलेल्या तपशीलासह या कार्यालयास दिलेली आहे. त्याचा तपशील पुढीलप्रमाणे:

१.	पावती क्रमांक	:	१९२०६००३१२७८८६०१								
२.	अर्जाचा (सूचनापत्राचा) आयडी क्रमांक	:	१००५८३०४१९०३								
३.	आस्थापनेचे नाव	:	साई गुरुकुल क्लासेस SAI GURUKUL CLASES								
४.	कामगारांची एकूण संख्या	:	०								
			<table><tr><td>पुरुष</td><td>स्त्री</td><td>इतर</td><td>एकूण</td></tr><tr><td>०</td><td>०</td><td>०</td><td>०</td></tr></table>	पुरुष	स्त्री	इतर	एकूण	०	०	०	०
पुरुष	स्त्री	इतर	एकूण								
०	०	०	०								
५.	अ) मालकाचे नाव	:	योगिता गणेश मुंगसे YOGITA GANESH MUNGASE								
	ब) आस्थापनेचा पत्ता	:	एन-४९/अफ३/४/३, कामतवडे, ४ स्वीम, सिडको, सिडको, नाशिक, नाशिक, नाशिक, ४२२००९								
६.	सदरची पावती ही केवळ अर्जदाराने त्याचा व्यवसाय सुरु केल्याबद्दल कार्यालयास पाठविलेल्या सूचना पत्राची पोच पावती असून व्यवसाय अंर्थात व्यवसायाची जागा अस्तित्वात असल्याबद्दलचा पुरावा नाही. व्यवसायासाठी व व्यवसायाच्या जागेसाठी आवश्यक असणाऱ्या सर्वोपलब्ध सक्षम प्राधिकारी यांच्याकडील पूर्व / पश्चात परवानगी, अनुज्ञप्ती, परवाना धारण करण्याची सर्वस्वी जबाबदारी मालकांची राहिल. नस पोच पावती व्यवसायाच्या जागेचा मालकी हक्क किंवा मालमत्तेचा मालकी हक्क किंवा ताबा या प्रयोजनार्थ कोणत्याही न्यायिक किंवा न्यायिक नसत आदेश घेता येणार नाही.										
७.	उत्सर्ग कर संयंत्र	:	कोचिंग क्लासेस / COACHING CLASSES								
८.	सूचना मोदणी प्रमाणपत्राचा क्रमांक व दिनांक, लागू असल्यास	:									

टीप : सदरची पोच पावती संगणकीय प्रणालीद्वारे तयार करण्यात आलेली असल्याने त्यावर स्वाक्षरीची आवश्यकता नाही.

दिनांक : २०-०१-२०१९

स्थान : Nashik

कार्यालयाचा पत्ता : Office of the Deputy Commissioner of Labour, Nashik Address- Udyog Bhavan, 8th Floor, Near ITI Signal, Satpur, Nashik - 422009

अर्जाचा आय.डी. क्रमांक	प्रदान केलेले सेवा शुल्क (रुपये)
१००५८३०४१९०३	२३.६०





Mr. Ganesh Mungase started his coaching classes (Sai Gurukul Classes- English Medium) with his wife Mrs. Yogita Ganesh Mungase in Jan.2019.



Mr. Khushal Dalavi Started Agricultural Services Centre in Dec., 2019



Mr. Ravindra Ghuge started Poultry Farming (Rural Chicken Variety Farming)  
in Feb. 21



**महाराष्ट्र दुकाने व आस्थापना (नोकरीचे व सेवासर्तीचे विनियमन) नियम, २०१८**

**नमुना "ग"**  
**(नियम ९ पहा)**

**सूचना दिल्याबाबत पावती**



अर्जदाराने नमुना फ द्वारा व्यवसाय सुरु केल्याबाबतची सूचना खाली नमूद केलेल्या तपशीलासह या कार्यालयास दिलेली आहे. त्याचा तपशील पुढीलप्रमाणे:

१.	पावती क्रमांक	:	२२२०६००३१६६४८७४९								
२.	अर्जाचा (सूचनापत्राचा) आयडी क्रमांक	:	१०४१४७६६२२०३								
३.	आस्थापनेचे नाव	:	रिंग केमिकल्स इंडस्ट्रीज RING CHEMICALS INDUSTRIES								
४.	कामगारांची एकूण संख्या	:	४								
			<table><tr><td>पुरुष</td><td>स्त्री</td><td>इतर</td><td>एकूण</td></tr><tr><td>३</td><td>१</td><td>०</td><td>४</td></tr></table>	पुरुष	स्त्री	इतर	एकूण	३	१	०	४
पुरुष	स्त्री	इतर	एकूण								
३	१	०	४								
५.	अ) मालकाचे नाव	:	उमेश बाबुराव पगार UMESH BABURAO PAGAR								
	ब) आस्थापनेचा पत्ता	:	अर्जुन किसन महाले, ग्रामपंचायत ऑफिस जवळ, मु.वाडोली, पोस्ट. खंबाले, वाडोली, त्र्यंबकेश्वर, नाशिक, ४२२२१३								
६.	सदरची पावती ही केवळ अर्जदाराने त्याचा व्यवसाय सुरु केल्याबद्दल कार्यालयास पाठविलेल्या सूचना पत्राची पोष पावती असून व्यवसाय अथवा व्यवसायाची जागा अस्तित्वात असल्याबद्दलचा पुरावा नाही. व्यवसायासाठी व व्यवसायाच्या जागेसाठी आवश्यक असणारी संबंधित सक्षम प्राधिकारी यांच्याकडील पूर्व / पश्चात परवानगी, अनुज्ञप्ती, परवाना वारन वगण्याची सर्वसंख्ये जबाबदारी मालकाची राहिल. ही पोष पावती व्यवसायाच्या जागेचा मालकी हक्क किंवा मालमतेचा मालकी हक्क किंवा ताबा या प्रयोजनार्थे कोणत्याही कायदांतर्गत ग्राह्य वरता देणार नाही.										
७.	व्यवसायाचे स्वरूप	:	ALL HOUSEHOLD CHEMICALS								
८.	पुढीलचा नोंदणी प्रमाणपत्राचा क्रमांक व दिनांक, लागू असल्यास	:	२३/५१								

**टीप : सदरची पोष पावती संगणकीय प्रणालीद्वारे तयार करण्यात आलेली असल्याने त्यावर स्वाक्षरीची आवश्यकता नाही. सदरची पोष पावती ही अर्जदाराने सादर केलेल्या स्वयंघोषनामपत्र आणि स्वयंसाक्षात्कीत अधिलेखाद्वारे पडताळणी न करता देण्यात आलेले आहे. सादर पोषपावती ही १० पेक्षा कमी कामगार असलेल्या आस्थापनांना नोंदणी दाखल्या देवची देण्यात येते. त्यांना नमुना - ब मध्ये नोंदणी प्रमाणपत्र अनुज्ञेय होत नाही.**

दिनांक : २४-०८-२०२२

ठिकाण : Nashik

कार्यालयाचा पत्ता : Office of the Deputy Commissioner of Labour, Nashik Address- Udyog Bhavan, 28th Floor, Near ITI Signal, Satpur, Nashik - ४२२२००७

अर्जाचा आय.डी. क्रमांक	प्रदान केलेले पोषा पत्र (पोष)
१०४१४७६६२२०३	२३/५१

Page 1 of 2

क्रमांक	प्राप्तिकारीची नावे	प्राप्तिकारीचा पत्ता	आधार क्रमांक	प्रदानकर्त्याची क्रमांक	ई-मेल
१	लेडिज भास्कर महाले	वाडोली, खंबाले, अंबेरी, नाशिक-४२२२१३	८१२२१००३२२७४	४०३०६६६६६	ringchemical@gmail.com
२	अर्जुन किसन महाले	वाडोली, नाशिक-४२२२१३	९२७६६५२९७०८६	४०३०६६६६६	ringchemical@gmail.com

Mr. Umesh Pagar started Ring Chemicals Industries in July 2022.



**Mahatma Gandhi Vidyamandir's**  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati,**  
**Nashik-3**  
**Department of Botany & Research center**  
**Startup Activity**

Sr. no.	Name of the student	Year of passing	Year of establishment of startup	Name of business
1.	AKSHAY DILIP BAGAD	2020	06/12/2021	VITHU MAULI MEDICALS
2.	SWAPANIL BHAGWAN KATAD	2018	01/08/2022	DREAM EVENT AND ENTERTAINMENT

## 1. AKSHAY DILIP BAGAD

### ❖ VITHU MAULI MEDICALS

**Firm Id:** 209357

**Address:** SHOP NO.5, GRD FLR, GAJANAN ENCLAVE, INDEX NO 70403026,

GOLECOLONY CORNER, NR YASHWANT CLASS,

GANGAPUUR ROAD, ASHOK STAMBH, NASHIK -422002.

**Taluka:** MAHANAGAR PALIKA 1 TO 61

**District:** NASHIK Z-1 DISTRICT

**IC Person:** AKSHAY DILIP BAGAD

(Mobile: 8806856093)



Through eSign

(e-Letter)



### Intimation Letter

NO/NZ1/Outward/  
Office of the Assistant Commissioner,  
Food & Drugs Administration, Nashik-Zone 1 Circle  
Uduog Bhavan, Hall No.23  
Satpur Nashik  
Nashik-Zone 1  
Print Date: 06/12/2021

To,  
VITHU MAULI MEDICALS  
SHOP NO 5 GRD FLR GAJANAN ENCLAVE INDEX NO 70403026  
GOLECOLONY CORNER NR YASHWANT CLASS GANGAPUR  
ROAD  
ASHOK STAMBH NASHIK - 422002  
Taluka: MAHANAGAR PALIKA 1 TO 61 District: NASHIK Z-1  
DISTRICT  
I/C Person: AKSHAY DILIP BAGAD (Mobile: 8806856093)

Fresh License  
Firm Id : 209357



AKSHAY DILIP BAGAD

**Subject : - Drugs & Cosmetics Act - 1940 & Rules there under**

Grant of License arising due to: Fresh License

Sir,

Ref :- Your Inward Application vide Inw No:- BF:-1003195, Dated:- 24/11/2021, Inw ID:- 1003195

With reference to your Inward application, we have to inform you that your said application is approved & below mentioned licences are granted / retained, whose retention Dates are mentioned below :-

Lic	License No.	Issue From	Retained From	Retained Upto	Old LIC No
20	452864	06/12/2021		05/12/2026	-
21	452865	06/12/2021		05/12/2026	-

Open 24 Hrs: NO

Cold Storage: YES

This licence shall remain valid if licensee deposits a licence retention fee before the expiry of a period of every succeeding five years from the date of its issue unless it is suspended or cancelled by Licensing Authority.

The above mentioned licences are sent herewith.

**NOTE:** You are requested to provide new rent agreement after completion of its validity (Only applicable to those having rent agreement less than 5 years).

Kindly acknowledge the receipt of this letter.

**eSign**  
Digitally Sign

e-Signed on 06/12/2021 17:27:25

TPAV # RH3A219812



*Manikrao*

MUKUND MANIKRAO DONGLIKAR  
Assistant Commissioner  
Food & Drugs Administration  
Nashik-Zone 1 Circle

*This License/Certificate is eSIGNED. Physical Signature is NOT Required*

For online Third Party Approval Verification; Go to [fdamf.maharashtra.gov.in](http://fdamf.maharashtra.gov.in) & Click 06/12/21  
TPAV button.



## **2. SWAPANIL BHAGWAN KATAD**

### **❖ DREAM EVENT AND ENTERTAINMENT**

**Application ID:** 102161262303

**Registration Certificate / Intimation Receipt:** 2320600317397424

**Division:** Nashik

**District :** Nashik

**Office Name:** Office of the Deputy Commissioner of Labour, Nashik Address- Udyog Bhavan,4th Floor,Near ITI Signal, Satpur, Nashik -422007

**Name of the establishment:** DREAM EVENT AND ENTERTAINMENT

**Postal address and situation of the Establishment :** GHAR NO 435 GAT NO 232/1, DARI ROAD, MATORI, , NASHIK, NASHIK, 422003

**Mobile:** 9860428322

**Email-id:** swapnilkatad111@gmail.com

**Date of commencement of business:** 01/08/2022

**Nature of Business:** EVENT MANAGEMENT

**Mobile No:** 7875161505

**E-mail ID:** swapnilkatad111@gmail.com

**Aadhar No:** 975500956006


**Category Of Establishment:** SHOP



**महाराष्ट्र दुकाने व आस्थापना (नोकरीचे व सेवाशर्तीचे विनियमन) नियम, २०१८**  
**Form - 'F'**

[See Rule 8]

**APPLICATION FOR INTIMATION**

Application ID	102161262303			
Registration Certificate / Intimation Receipt No. नॉदणी क्रमांक / पावती क्रमांक	2320600317397424			
Division / विभाग	Nashik			
District / जिल्हा:	Nashik			
Office Name	Office of the Deputy Commissioner of Labour, Nashik Address- Udyog Bhavan, 4th Floor, Near ITI Signal, Satpur, Nashik -422007			
Name of the establishment / आस्थापनेचे नाव	DREAM EVENT AND ENTERTAINMENT ड्रीम ईवेंट अँड एंटरटेनमेंट			
Previous details of establishment / आस्थापनेची पूर्वीची सविस्तर माहिती	New Registration			
Postal address and situation of the Establishment / ( आस्थापनेचा पत्ता )	GHAR NO 435 GAT NO 232/1, DARI ROAD, MATORI, , NASHIK, NASHIK, 422003		घर नं 435 गाट नं 232/1, दरी रोड, मातोरी, , नाशिक, नाशिक, 422003	
Mobile / भ्रमणधनी क्र.	9860428322			
Email-id / ई - मेल आय डी	swapnilkatad111@gmail.com			
Date of commencement of business / व्यवसाय सुरु केल्याचा दिनांक	01/08/2022			
Nature of Business / व्यवसायाचे स्वरूप	EVENT MANAGMENT		ईवेंट मैनेजमेंट	
Whether establishment falls under public or private sector / आस्थापना सार्वजनिक क्षेत्रात येते की खाजगी क्षेत्रात येते	Private			
Total No. of Employee	Men	Women	Transgender	Total
	2	1	0	3
Name of the Employer / मालकाचे नाव	SWAPANIL BHAGWAN KATAD		स्वप्निल भगवान कातड	
Residential Address of the employer / मालकाच्या निवासस्थानाचा पत्ता	AT POST MATORI, MATORI, NASHIK, , NASHIK, NASHIK, 422003		एँट पोस्ट मातोरी, मातोरी, नाशिक, , नाशिक, नाशिक, 422003	
Resident Since / वास्तव्य	20			
Status / Designation	OWNER			
Mobile No	7875161505			
E-mail ID	swapnilkatad111@gmail.com			
Aadhar No	975500956006			
Name of Manager / व्यवस्थापकाचे नाव				
Residential address of Manager / व्यवस्थापकाच्या निवासस्थानाचा पत्ता				
Contact No				
Fax No				
Email-ID / ई - मेल आय डी				
Aadhar No				
Category Of Establishment / आस्थापनेचे वर्गवारी	SHOP ( दुकाने )			



S.B. Shisole  
 C. Prob. Dr. S. B. Shisole,  
 Coordinator Research Centre  
 PG Department of Botany,  
 Lokmele Vyankatrao Hiray Arts, Science and Commerce College,  
 Panchavati, Nashik - 422 003.

## **M. G. Vidyamandir's**

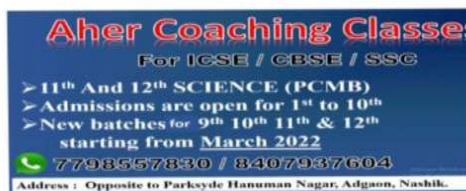
**Loknete Vyankatrao Hiray Arts, Science and Commerce College, Panchavati  
Nashik-422009**

**Department of Mathematics (2022 – 23)**

**Startups/ Business**

Sr. No.	Name of the students	Year of passing
1	Amit Arun Ahire	2016 – 17
	Sachin Jibhau More	2016 – 17
2	Raju Dnyaneshwar Pawar	2017 – 18
3	Dnyaneshwar Murlidhar Kshirsagar	2017 – 18
4	Vaibhav Bhausaheb Dhanage	2019 – 20
5	Dinesh Madhukar Bachhav	2020 – 21

### **1. Amit Arun Ahire and Sachin Jibhau More**



**Date of Establishing of a class: 1 March 2022**

**Number of Batches: 8**

**Standard: 5<sup>th</sup> to 12<sup>th</sup>**

**No. of student: 250**

**No. of staff: 13**



The classes are conducted for the standard 5<sup>th</sup> to 12<sup>th</sup> and the students are from rural and urban area and students from the class are appeared in examinations like as JEE mains, NEET and CET.

## 2. Raju Dnyaneshwar Pawar

आम्ही देतो आपल्या  
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आणि **इंजिनियर**  
होण्याच्या स्वप्नांना  
**पंख**

Prof. Pawar's  
**यु.नि.व्.ह.स.क.**  
सायन्स अॅकेडमी  
तान्यांच चमचमतं विश्व ....

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D.G.P Nagar 2 Bus Stop, Ambad, Nashik.  
**Our Branches**  
Main Branch : Ashok Stambh  
Branch 1 : Nashik Road  
Branch 2 : D.G.P Nagar 2

Date of Establishing of a class: 26 January 2012

Number of Batches: 12

Standard: 11<sup>th</sup> and 12<sup>th</sup>

No. of student: 500<sup>+</sup>

No. of staff: 13

The classes are conducted for the standard 11<sup>th</sup> and 12<sup>th</sup> and the students are from both rural and urban area and students from the class are eligible for examinations like as JEE, NEET and CET.

### 3. Dnyaneshwar Murlidhar Kshirsagar



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Date of Establishing of a class: 1st June 2012

Number of Batches: 03

Standard: Bachelor of Engineering (Sem-I, II, III) and Technical Subjects

No. of student: 750<sup>+</sup>

No. of staff: 3

The classes are conducted for the Bachelor of Engineering (Sem-I, II, III) for (Mathematics I, II and III), B.C.S. and M. C. S. and the students are from rural and urban area and students from the class are eligible for examinations like Masters in Engineering , GATE etc.

#### 4. Vaibhav Bhausaheb Dhanage



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वैशिष्टे

- १) अनुभवी प्राध्यापक वृंद
- २) प्रत्येक विद्यार्थ्याकडे वैयक्तिक लक्ष
- ३) सुपर १० बॅच
- ४) प्रत्येक बॅचला मर्यादित विद्यार्थी संख्या
- ५) दर रविवारी सराव परिक्षा

\* ५ वी ते १० वी  
\* ११ वी ते १२ वी Science (MATHS)  
\* ११ वी १२वी Commerce (MATHS)

\* ठिकाण \* आत्माराम हॉटेल शेजारी, शिवाजी चौक, अंदरसुल ता.येवला जि.नाशिक

संपर्क - प्रा. वैभव भाऊसाहेब धनगे  
M.Sc. (Maths), B.ed.

**7350288564 / 8459651991**



Date of Establishing of a class: 15 August 2021

Number of Batches: 10

Standard: 5<sup>th</sup> to 12<sup>th</sup>

No. of student: 300<sup>+</sup>

No. of staff: 7

The classes are conducted for the standard 5<sup>th</sup> to 12<sup>th</sup> and the students are from both rural and urban area and students from the class are eligible for examinations like as JEE, NEET and CET.

5. Dinesh Madhukar Bachhav

# श्री बच्छाव क्लासेस

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१ जुलै ला शुभारंभ

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प्रवेश सुरु, मर्यादित प्रवेश शिल्लक

इयत्ता ९ ते १० वी मराठी / सेमी	इयत्ता ५ ते ८ वी मराठी / सेमी / इंग्रजी	इयत्ता ५ ते १० वी मराठी / सेमी / इंग्रजी	शालेय स्पर्धा परिक्षा
गणित / विज्ञान / इंग्रजी २ जुलै २०१८ पासून फायनल परीक्षे पर्यंत	रेग्युलर बॅच २ जुलै २०१८ पासून फायनल परीक्षे पर्यंत	State Bord CBSC ,ICSE Board	नवोदय, NMMS इयत्ता ५ वी ते ८ वी स्कॉलरशिप NDA ची तयारी

वैशिष्ट्ये :

१. शालेय प्रवेशासह नवोदय स्कॉलर परिक्षेची तयारी
२. अनुभवी व तज्ञ शिक्षक वृंद
३. प्रत्येक विषयांचे घटक निहाय प्रत्येक परीक्षा निहाय प्रिंटेड मटेरियल टेस्ट सिरीज मिळेल.
४. प्रत्येक विषया साठी स्वतंत्र शिक्षक
५. प्रत्येक वर्गासाठी स्वतंत्र बैठक व्यवस्था.
६. स्वतंत्र लायबरी व्यवस्था उपलब्ध
७. शंका निरसणासाठी स्वतंत्र सेशन
८. प्रत्येक विद्यार्थ्याचा प्रोग्रेस रिपोर्ट
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**ठिकाण : श्री.तबाजी गिते सदन, मारुती मंदिराजवळ, शिंगवे, ता. निफाड**

**Date of Establishing of a class: 1 April 2014**

**Number of Batches: 10**

**Standard: 1<sup>st</sup> to 10<sup>th</sup>**

**No. of student: 650<sup>+</sup>**

**No. of staff: 8**

**The classes are conducted for the standard 1<sup>st</sup> to 10<sup>th</sup> and the students are from rural and urban area and students from the class are well prepared for the exam like scholarship and navodaya exams and eligible to take admission in well-known colleges.**

Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray Arts, Science and Commerce College, Panchavati,  
Nashik-3

Start-up information

Department of Economics

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Class</b>	<b>Year of Passing</b>	<b>Mobile No.</b>	<b>Name of Business</b>	<b>Established</b>
1	Mr. Sagar Ramesh Sarode	T.Y.B.A.	2018-19	8806093084	Food Service Restaurant	2022
2	Mr. Vikrant Bhaskar Jejurkar	M.A. II	2017-18	9422475800	Poly house Rose Farm	2018-19

- 1) Mr. Sagar Ramesh Sarode  
Mr. Sagar Sarode runs Hotel as a name of "Vill Dilicious" at Vise Chouk, Pumping Station, Gangapur Road, Nashik.





Government of Maharashtra  
Food And Drug Administration  
Food Safety and Standards Authority of India  
Food Safety Compliance System (FoSCoS)  
<https://foscoss.fssai.gov.in>



Receipt			
<b>Reference No:</b>	30221118112044730	<b>Date:</b>	18-11-2022
<b>Name of Company/ Organization:</b>	VILL DELICIOUS FAMILY RESTAURANT	<b>Category of License:</b>	Registration [Maharashtra] [Modification of Registration]
<b>Premises Address:</b>	VILL DELICIOUS FAMILY RESTAURANT, VISE CHOWK, PUMPING STATION, GANGAPUR ROAD, Nashik West, Nashik, , Maharashtra, 422013		
<b>Kind of Business:</b>	Food Services - Restaurants		
<b>Mode of Payment:</b>	Razorpay		
<b>Registration Modification Fee :</b>	Rs 100		
<b>Total Fee Paid:</b>	Rs 100.00		
<b>Transaction No.:</b>	416834576760908		
<b>RazorPay ID:</b>	pay_KhVyBmYein5Lc		



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2. In case you receive queries by authorities on your application, You are required to respond within 30 days to avoid rejection of your application by login into FSSAI's Food Safety Compliance System (<https://foscoss.fssai.gov.in>) with your user id and password or call us at 1800112100 for any clarification.
3. You must keep a copy of Form A (application) for any kind of communication with the authorities till obtaining Registration Certificate.
4. GST applicability on this transaction is on reverse charge basis





2) Mr. Vikrant Bhaskar Jejurkar

Mr. Vikrant Jejurkar established polly house (Rose farm), at Jejurkar Mala, Tapovan, Nashik. He exports roses to Mumbai.



Prof. Dr. N. N. Gadhe

Head of the Dept.



Mahatma Gandhi Vidyamandir's  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College**  
Panchavati, Nashik-422003  
**DEPARTMENT OF ELECTRONIC SCIENCE**

**REPORT**  
**On**  
**STUDENT STARTUP:**  
**AUTOMATIC HAND SANITIZER DISPENSER MACHINE**

[Project based as per the need of COVID-19 Pandemic Situation]



Designed and Manufactured by  
1) **Mr. Sachin Pandurang Kadam (M. Sc. – II)**  
2) **Mr. Vivek Shamrao Kulkarni (M. Sc. – II)**

Under the Guidance of  
1) **Dr. U. P. Shinde (Head of the Department)**  
2) **Mr. Anil B. Patil**  
3) **Mr. Umesh J. Tupe**

Mr. Sachin Kadam and Mr. Vivek Kulkarni are students from M.Sc.-II class of Department of Electronic Science from L. V. H. ASC College, Panchavati, Nashik has developed automatic hand sanitizer dispenser machine for workplaces, under the guidance of the faculty of Electronics Department. After project completed successful the student started their own shop at Nashik.

During the Coronavirus Disease 19 (COVID-19) pandemic, keeping hands clean is especially important to help prevent the virus from spreading. Germs are everywhere. They can get onto hands and items we touch during daily activities and make us sick. Effective hand washing is widely acknowledged to be the single most important activity for reducing the spread of infections in the environment. One way of achieving this is to have a convenient automatic system, which will encourage people to sanitize their hands quickly. Keeping this in mind, Sachin and Vivek, under the guidance of Dr. U. P. Shinde, Mr. Anil B. Patil, Mr. Umesh J. Tupe (Electronics Department), has created Automatic Hand Sanitizer Dispenser Machine at college.

Talking about the inspiration behind this invention, students said, “We was interested in electronic instruments. Upon the recommendation of our teachers, we started working on this project to tackle the COVID situation. It was challenging to us but our teachers kept spirit high by encouraging us to complete it in the interest of the society at large.”

### **Start-up:**

Start-up is an entity that develops a business model based on either product innovation or service innovation and makes it scalable and replicable so as to be self-reliant.

### **Innovation:**

Conceptually, any innovation implies substantial improvement in the ways of doing things, producing goods or providing services.

### **Student Start-up:**

Student Start-up is any student-led innovation based start-up that has been founded by the efforts of one or more student from any university /educational institute in the state, with or without the help of faculty guides and external support agents.

### **Key Objectives of Automatic Hand Sanitizer Dispenser Machine**

To design an automatic hand sanitizer which dispense on its own whenever someone place its hand beneath it.

This should be easy to use, light weight and occupy less space.

## About Automatic Hand Sanitizer Dispenser Machine

Experts say SARS-CoV-2 originated in bats. That's also how the corona viruses behind Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS) got started. SARS-CoV-2 made the jump to humans at one of Wuhan's open-air "wet markets." They're where customers buy fresh meat and fish, including animals that are killed on the spot. Some wet markets sell wild or banned species like cobras, wild boars, and raccoon dogs. Crowded conditions can let viruses from different animals swap genes. Sometimes the virus changes so much it can start to infect and spread among people. Still, the Wuhan market didn't sell bats at the time of the outbreak. That's why early suspicion also fell on pangolins, also called scaly anteaters, which are sold illegally in some markets in China. Some corona viruses that infect pangolins are similar to SARS-CoV-2. As SARS-CoV-2 spread both inside and outside China, it infected people who have had no direct contact with animals. That meant the virus is transmitted from one human to another. It's now spreading in the U.S. and around the globe, meaning that people are unwittingly catching and passing on the corona virus. This growing worldwide transmission is creating the pandemic situation.

### Background:

Due to pandemic of COVID-19 the Indian Government is declared the lockdown in the month of March and still up to the end of July. During the period of lockdown students were searching and surfing on internet and YouTube we saw one of the video on sanitizer dispenser machine, then thought that they will prepared that machine and improve that in our way. After getting an idea, they discussed with departmental staff for guidance and suggestions. They suggested some modification as per the availability of mechanical and electronic parts in the pandemic situation and provide some electronic components required for development of electronics circuit of sanitizing machine. First student study the circuit components and start collecting needed components and then made a trail circuit, after verifying that circuit they got some functional errors in it, again they rectify those errors and the circuit is ready for proper operations.

After doing some trials, the circuit works properly, and then students thought that the sanitizer machine is to be prepared for market purpose. Then as per discussion with Dr. U. P. Shinde (Head of Department), Mr. A. B. Patil and Mr. U. J. Tupe, they motivated students and helps to modify this project towards atomization and commercialization. After necessary modification in this project and successful trials, demonstration of the same was done in front of college authorities for further necessary steps towards commercialization of this product.

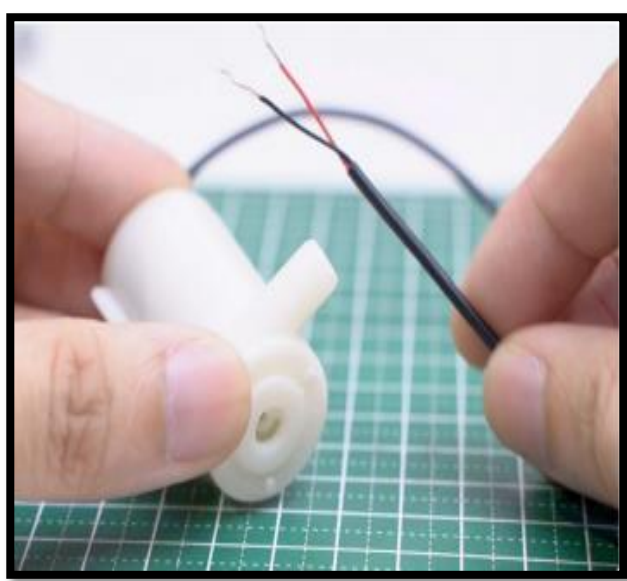
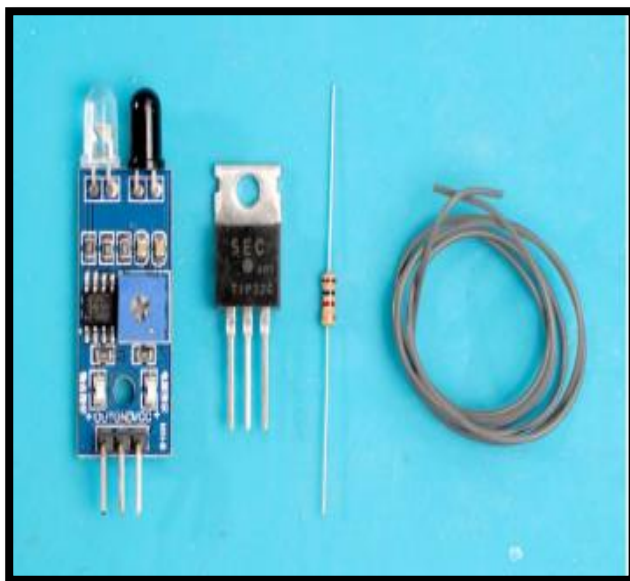
After project completed successful the student started their own shop at Nashik (Near R. T. O. office, Mhasrul, Nashik).



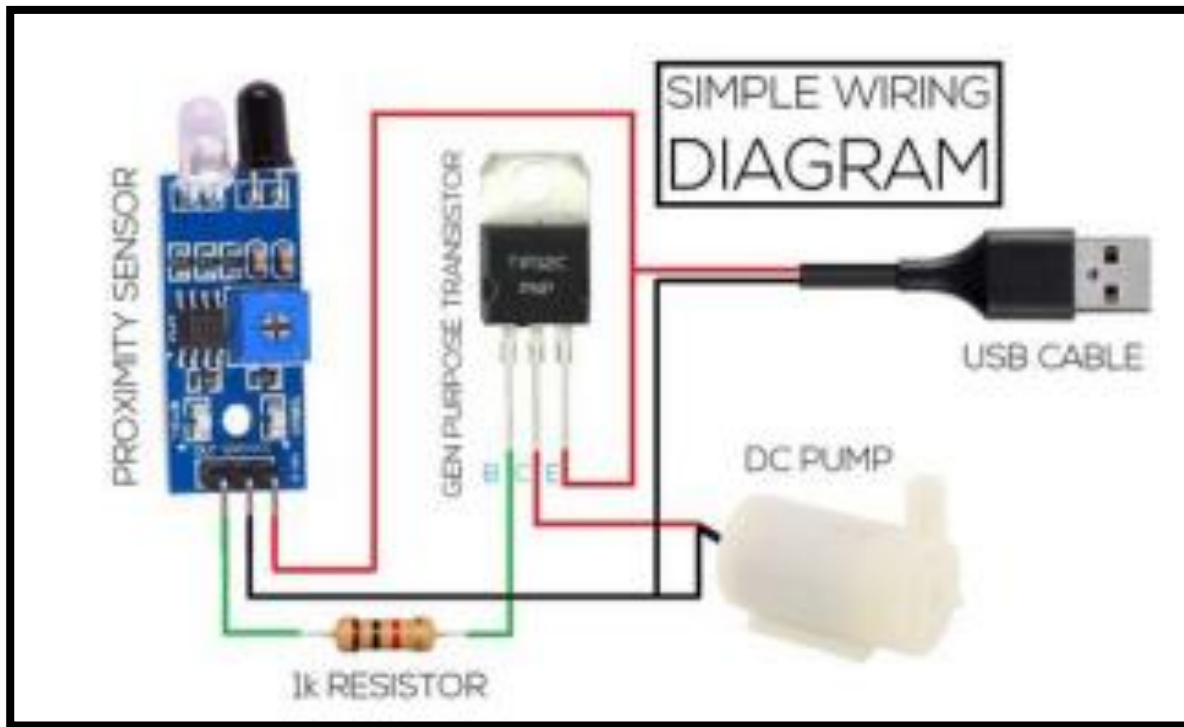
## PROJECT DETAILS:

### List of Electronic hardware Parts:

- Proximity Sensor
- DC Water Pump 5V
- TIP32C PNP Transistor
- 1N4007 Diode
- Aquarium Tubing
- 5L Plastic Can / Sanitizer Can
- Old Ballpen Top / stove small nipple (0.5mm)
- Sanitizer/ Rubbing Alcohol
- Metal Covering Box and 5V Power Supply



## CIRCUIT DIAGRAM:

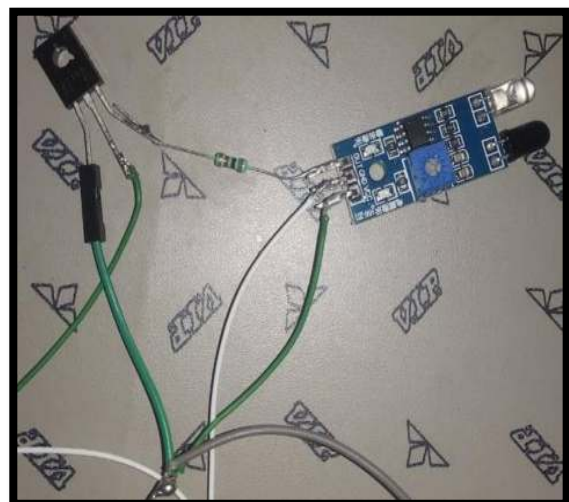


## WORKING:

This is simple and touchless and low cost invention. Most of the parts are cheap and environmental healthy components used in this machine. This machine working is very simple, just rest your palm for 2 second in front of IR sensor, the sensor senses your hand position and takes an action to switch on the dispenser pump and that dispense the sanitizer from the sanitizer liquid can on our hands. When the hands removed, then the dispenser gets off and stops the flow of sanitizer liquid from the dispenser pump.

We make various trails by using plastic cans and shampoo bottles in this project for testing purpose only as shown in photographs in below section.

**Photograph of some modification in to product as per availability of electronic parts due to lock down in pandemic situation.**



## Initial Stage of Homemade Hand Sanitiser



Automization stage of Hand Sanitiser using mechanical and electronic hardware parts



Final Product made available for commercialization

## PRECAUTION


- Use 70% to 80% alcohol based sanitizer only.
- Do not use the flammable alcohol or any flammable liquid in it.



MAHATMA GANDHI VIDYAMANDIR'S  
LOKNETE VYANKATRAO HIRAY ARTS, SCIENCE & COMMERCE COLLEGE,  
PANCHAVATI, NASHIK – 422 003.

**DEPARTMENT OF HISTORY**  
**List of Startups/ Business Alumni List**

Sr. No	Name of the Alumni	Year of Passing	Name of Startups / Business	Year of Establishment Startups / Business	Mob No
1.	Mrs. Archana Gaikwad	2013	Herbalife Distributor	15/04/2021	8668391281
2.	Mrs. Maya Pagar	2015-2016	Laksh Aqua Services	25/06/2020	9834182565
3.	Mr. Bhagwat Pagar	2018	Laksh Aqua Services	25/06/2020	9834182565
4.	Miss. Tejal Sonje	2021	Make-up Artist	20/08/2022	8698756063
5.	Miss. Kalpana Badgujar	2021	Parlor	04/02/2019	8999703865
6.	Mrs. Sanket Nikumbh	2022	Onion Supplier	29/12/2022	9075484352
7.	Mr. Shivprasad Bharaskar	2017	Rice Mill	17/09/2022	9422987437

  
**Dr. Pragati B. Marakwar**

**Head**  
**Department of History**  
Loknete Vyankatrao Hiray  
LVH College Panchavati, Nashik  
Arts, Science & Commerce  
Panchavati, Nashik - 422003.



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**नमुना "ग"**  
**(निवम ९ चड)**

**सूचना दिल्याबाबत पावती**



अर्जदाराने नमुना फ द्वारा व्यवसाय सुरु केल्याबाबतची सूचना खाली नमूद केलेल्या तपशीलासह या कार्यालयास दिलेली आहे. त्याचा तपशील पुढीलप्रमाणे:

१.	पावती क्रमांक	:	२०२०६००३१४१३०८४६								
२.	अर्जाचा (सूचनापत्राचा) आवडी क्रमांक	:	१०४६१३०८२००३								
३.	आस्थापनेचे नाव	:	लक्ष एक्वा सर्व्हिसेस LAKSH AQUA SERVICES								
४.	कामगारांची एकूण संख्या	:	१								
			<table border="1"> <tr> <td>पुरुष</td> <td>स्त्री</td> <td>इतर</td> <td>एकूण</td> </tr> <tr> <td>१</td> <td>०</td> <td>०</td> <td>१</td> </tr> </table>	पुरुष	स्त्री	इतर	एकूण	१	०	०	१
पुरुष	स्त्री	इतर	एकूण								
१	०	०	१								
५.	अ) मालकाचे नाव	:	भागवत रामदास पगार BHAGAVAT RAMDAS PAGAR								
	ब) आस्थापनेचा पत्ता	:	फ्लॅट नं. १०, मांडवी ३ सोसायटी, प्रभात नगर, दिंडोरी रोड, म्हसूरठ, नशीक (महानगरपालिका), नाशिक, नाशिक, ४२२००३								
६.	<p>सदरची पावती ही केवळ अर्जदाराने त्याचा व्यवसाय सुरु केल्याबद्दल कार्यालयास पाठविलेल्या सूचना पत्राची पोच पावती असून व्यवसाय अथवा व्यवसायाची जागा अस्तित्वात असल्याबद्दलचा पुरावा नाही. व्यवसायासाठी व व्यवसायाच्या जागेसाठी आवश्यक असणारी संबंधित सक्षम प्राधिकारी यांच्याकडील पूर्व / पश्चात परवानगी, अनुज्ञप्ती, परवाना धारण करण्याची सर्वस्वी जबाबदारी मालकाची राहिल.</p> <p>ही पोच पावती व्यवसायाच्या जागेचा मालकी हक्क किंवा मालमतेचा मालकी हक्क किंवा ताबा या प्रयोजनास कोणत्याही कार्यासाठी प्राप्त ग्राहक घरता येणार नाही.</p>										
७.	व्यवसायाचे स्वरूप	:	AQUA GUARD SERVICES								
८.	पूर्वीचा नोंदणी प्रमाणपत्राचा क्रमांक व दिनांक, लागू असल्यास	:									

टीप : सदरची पोच पावती संलग्नकीत प्रमातीद्वारे सवार करण्यात आलेली असल्याने त्यावर स्वाक्षरीची आवश्यकता नाही. सदरची पोच पावती ही अर्जदाराने सादर केलेल्या स्वयंचोपनापत्र आणि स्वयंचालकीय अभिलेखाद्वारे पडताळणी न करता देण्यात आलेले आहे. सादर पोचपावती ही १० पेक्षा कमी कामगार असलेल्या आस्थापनांना नोंदणी बाबतचा ऐवजी देण्यात येते. त्यांना नमुना - व मध्ये नोंदणी प्रमाणपत्र अनुक्रमे व्हात नाही.

दिनांक : २५-०६-२०२०

ठिकाण : Nashik

कार्यालयाचा पत्ता : Office of the Deputy Commissioner of Labour, Nashik Address- Udyog Bhavan, 11th Floor, Near IT Signal, Satpur, Nashik - 422009

अर्जाचा आव. क्र. क्रमांक	प्रमाण केलेले रकम मूल्य (रुपये)
१०४६१३०८२००३	७३.५०



**महाराष्ट्र दुकाने व आस्थापना (नोकरीचे व सेवासक्तीचे विनियमन) निवम, २०१८**

**नमुना "ग"**  
**(निवम १ वड)**

**सूचना दिल्याबाबत पावती**



अर्जदाराने नमुना फ द्वारा व्यवसाय सुरु केल्याबाबतची सूचना खाली नमूद केलेल्या तपशीलासह या कार्यालयास दिलेली आहे. त्याचा तपशील पुढीलप्रमाणे:

१.	पावती क्रमांक	:	२०२०६००३१४१३७८४६								
२.	अर्जाचा (सूचनापत्राचा) आयडी क्रमांक	:	१०४६१३०४२००३								
३.	आस्थापनेचे नाव	:	लक्ष एक्वा सर्व्हिसेस LAKSH AQUA SERVICES								
४.	कामगारांची एकूण संख्या	:	१								
			<table border="1"> <tr> <th>पुरुष</th> <th>स्त्री</th> <th>इतर</th> <th>एकूण</th> </tr> <tr> <td>१</td> <td>०</td> <td>०</td> <td>१</td> </tr> </table>	पुरुष	स्त्री	इतर	एकूण	१	०	०	१
पुरुष	स्त्री	इतर	एकूण								
१	०	०	१								
५.	अ) मालकाचे नाव	:	भागवत रामदास पगार BHAGAVAT RAMDAS PAGAR								
	ब) आस्थापनेचा पत्ता	:	फ्लॅट नं. १०, मांडवी ३ सोसायटी, प्रभात नगर, दिंडोरी रोड, म्हसळ, नजीक (महानगरपालिका), नाशिक, नाशिक. ४२२००३								
६.	<p>सदरची पावती ही केवळ अर्जदाराने त्याचा व्यवसाय सुरु केल्याबद्दल कार्यालयास पाठविलेल्या सूचना पत्राची पोच पावती असून व्यवसाय अथवा व्यवसायाची जागा अस्तित्वात असल्याबद्दलचा पुरावा नाही. व्यवसायासाठी व व्यवसायाच्या जागेसाठी आवश्यक असणारी संबंधित सक्षम प्राधिकारी यांच्याकडील पूर्व / पश्चात परवानगी, अनुज्ञप्ती, परवाना घरण करण्याची सर्वस्वी जबाबदारी मालकाची राहिल.</p> <p>ही पोच पावती व्यवसायाच्या जागेचा मालकी हक्क किंवा मालमतेचा मालकी हक्क किंवा ताबा या प्रयोजनांसाठी कोणत्याही कार्यासिर्गत ग्राह्य घरता येणार नाही.</p>										
७.	व्यवसायाचे स्वरूप	:	AQUA GUARD SERVICES								
८.	पूर्वीचा नोंदणी प्रमाणपत्राचा क्रमांक व दिनांक, लागू असल्यास	:									

**टीप :** सदरची पोच पावती संपन्नकीव प्रमाणीद्वारे तयार करण्यात आलेली असल्याने त्यावर स्वाक्षरीची आवश्यकता नाही. सदरची पोच पावती ही अर्जदाराने सादर केलेल्या स्वयंघोषपत्र आणि स्वयंसाक्षात्कीत अभिलेखाद्वारे पडसाळणी न करता देण्यात आलेले आहे. सादर पोचपावती ही १० पेक्षा कमी कामगार असलेल्या आस्थापनांना नोंदणी बाबतचा ऐवजी देण्यात येते. त्यांना नमुना - ब मध्ये नोंदणी प्रमाणपत्र अनुक्रमे देणे नाही.

दिनांक : २५-०६-२०२०

ठिकाण : Nashik

कार्यालयाचा पत्ता : Office of the Deputy Commissioner of Labour, Nashik Address- Ubayog Bhavan, 5th Floor, Near ITI Signal, Satpur, Nashik - 422008

अर्जाचा क्र. व. क्र. क्रमांक	प्रदान केलेले सेवा मूल्य (रुपये)
१०४६१३०४२००३	७३.५०



CERTIFICATE OF APPRECIATION



**Miss. Tejal Subhash Sonje**

For Successfully completed

**DIPLOMA COURSE IN  
MAKEUP & HAIRSTYLE**  
By Swati Birari.

*Swati*  
**Swati Rahul Birari**  
Makeup Artist



**SWATI BIRARI**  
Makeover  
Diploma Course in  
Makeup & Hairstyle 2022  
**Tejal Sonje**



प्रमाण-पत्र सं.

Photo  
Graph

Certificate No. SDIS/USPN/005926070



GOVERNMENT OF INDIA

भारत सरकार

MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP  
कोशल विकास एवं उद्यमशीलता मंत्रालयNATIONAL COUNCIL FOR VOCATIONAL TRAINING  
राष्ट्रीय व्यावसायिक प्रशिक्षण परिषदNATIONAL CERTIFICATE IN MODULAR EMPLOYABLE SKILLS  
राष्ट्रीय मॉड्यूलर रोजगारपरक कोशल प्रमाण पत्रSKILL DEVELOPMENT INITIATIVE SCHEME  
कोशल विकास पहल योजना

DIRECT CANDIDATE ASSESSMENT UNDER NULM/SUDA

Certified that / प्रमाणित किया जाता है

Shri / Smt / Kumari / श्री / श्रीमती / कुमारी

KALPANA KASHINATH BADGUJAR

Son / Daughter / Wife of Shri / सुपुत्र / सुपुत्री / पत्नी श्री

KASHINATH

Aadhar card no. / आधार कार्ड सं.

Date of birth / जन्मतिथि

13-Aug-2000

Sector / क्षेत्र

BEAUTY CULTURE AND HAIR DRESSING

Module / मॉड्यूल

Beauty Therapy and Hair Styling level-I

Name of Testing Center / मूल्यांकन केंद्र का नाम

MSSDS-Nashik-Mitra Skill Development Institute

Assessment conducted by / मूल्यांकन द्वारा आयोजित

NAV JEEWAN SHIKSHA PARISHAD

Assessment test date / मूल्यांकन आकतन दिनांक

01-Jan-2019

is hereby awarded this certificate / उत्तीर्ण होने पर यह प्रमाण पत्र प्रदान किया जाता है

Competencies Acquired / प्राप्त योग्यताएं

Perform manicure &amp; pedicure, test allergies, carryout hair styling and perform bridal make-up, facials, shampooing and Cut hair in different styles, using modern electrical gadgets.

Place / स्थान Jahagur Complex, 3rd Floor Kat

Date / दिनांक 04-Feb-2019

Batch No. / बैच सं. TC-2018-2019-185229

Profile No. / प्रोफाइल सं. USPN 005926070

DIRECTOR (S D I)  
निदेशक (एस डी आई)

cut from this line and use as pocket certificate

GOVERNMENT OF INDIA  
 MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP  
 कोशल विकास एवं उद्यमशीलता मंत्रालय  
 राष्ट्रीय व्यावसायिक प्रशिक्षण परिषद  
 NATIONAL CERTIFICATE IN MODULAR EMPLOYABLE SKILLS  
 राष्ट्रीय मॉड्यूलर रोजगारपरक कोशल प्रमाण पत्र  
 SKILL DEVELOPMENT INITIATIVE SCHEME  
 कोशल विकास पहल योजना  
 DIRECT CANDIDATE ASSESSMENT UNDER NULM/SUDA

Name of Candidate / उम्मीदवार का नाम  
 Kalpana Kashinath Badgujar  
 Son / Daughter / Wife of Shri / सुपुत्र / सुपुत्री / पत्नी श्री  
 Kashinath  
 Aadhar Card No. / आधार कार्ड सं.  
 Date of Birth / जन्म तिथि  
 13-Aug-2000  
 Sector / क्षेत्र  
 Beauty Culture and Hair Dressing  
 Module / मॉड्यूल  
 Beauty Therapy and Hair Styling level-I  
 Name of Testing Center / मूल्यांकन केंद्र का नाम  
 MSSDS-Nashik-Mitra Skill Development Institute  
 Assessment conducted by / मूल्यांकन द्वारा आयोजित  
 Nav Jeevan Shiksha Parishad  
 Assessment Test Date / मूल्यांकन आकतन दिनांक  
 01-Jan-2019

Competencies Acquired / प्राप्त योग्यताएं  
 Perform manicure & pedicure, test allergies, carryout hair styling and perform bridal make-up, facials, shampooing and Cut hair in different styles, using modern electrical gadgets.

Place / स्थान  
 Jahagur Complex, 3rd Floor Kat

Date / दिनांक  
 04-Feb-2019

Batch No. / बैच सं.  
 TC-2018-2019-185229

Profile No. / प्रोफाइल सं.  
 USPN 005926070

Director (S D I)  
 निदेशक (एस डी आई)

Name of Candidate / उम्मीदवार का नाम  
 Kalpana Kashinath Badgujar  
 Son / Daughter / Wife of Shri / सुपुत्र / सुपुत्री / पत्नी श्री  
 Kashinath  
 Aadhar Card No. / आधार कार्ड सं.  
 Date of Birth / जन्म तिथि  
 13-Aug-2000  
 Sector / क्षेत्र  
 Beauty Culture and Hair Dressing  
 Module / मॉड्यूल  
 Beauty Therapy and Hair Styling level-I  
 Name of Testing Center / मूल्यांकन केंद्र का नाम  
 MSSDS-Nashik-Mitra Skill Development Institute  
 Assessment conducted by / मूल्यांकन द्वारा आयोजित  
 Nav Jeevan Shiksha Parishad  
 Assessment Test Date / मूल्यांकन आकतन दिनांक  
 01-Jan-2019

Competencies Acquired / प्राप्त योग्यताएं  
 Perform manicure & pedicure, test allergies, carryout hair styling and perform bridal make-up, facials, shampooing and Cut hair in different styles, using modern electrical gadgets.

Place / स्थान  
 Jahagur Complex, 3rd Floor Kat

Date / दिनांक  
 04-Feb-2019

Batch No. / बैच सं.  
 TC-2018-2019-185229

Profile No. / प्रोफाइल सं.  
 USPN 005926070

Director (S D I)  
 निदेशक (एस डी आई)





# महाराष्ट्र दुकाने व आस्थापना (नोकरीचे व सेवाशर्तीचे विनियमन) नियम, २०१८

नमुना "ग"  
(नियम ९ पहा)

सूचना दिल्याबाबत पावती



अर्जदाराने नमुना फ द्वारा व्यवसाय सुरु केल्याबाबतची सूचना खाली नमूद केलेल्या तपशीलासह या कार्यालयास दिलेली आहे. त्याचा तपशील पुढीलप्रमाणे:

१.	पावती क्रमांक	:	२२२०६००३१७१९४६६६								
२.	अर्जाचा (सूचनापत्राचा) आयडी क्रमांक	:	११२९७६०७२२०३								
३.	आस्थापनेचे नाव	:	ओम साई ट्रेडिंग कंपनी OM SAI TRADING COMPANY								
४.	कामगारांची एकूण संख्या	:	९ <table><tr><td>पुरुष</td><td>स्त्री</td><td>इतर</td><td>एकूण</td></tr><tr><td>५</td><td>४</td><td>०</td><td>९</td></tr></table>	पुरुष	स्त्री	इतर	एकूण	५	४	०	९
पुरुष	स्त्री	इतर	एकूण								
५	४	०	९								
५.	अ) मालकाचे नाव	:	संकेत अभय निकुंभ SANKET ABHAY NIKUMBH								
	ब) आस्थापनेचा पत्ता	:	०५, मनमाड चांदवड रोड, मार्केट रोड, मनमाड, नंदगांव (एम क्ल), नांदगाव, नाशिक, ४२३१०४								
६.	सदरची पावती ही केवळ अर्जदाराने त्याचा व्यवसाय सुरु केल्याबद्दल कार्यालयास पाठविलेल्या सूचना पत्राची पोच पावती असून व्यवसाय अथवा व्यवसायाची जागा अस्तित्वात असल्याबद्दलचा पुरावा नाही. व्यवसायासाठी व व्यवसायाच्या जागेसाठी आवश्यक असणारी संबंधित सक्षम प्राधिकारी यांच्याकडील पूर्व / पश्चात परवानगी, अनुज्ञप्ती, परवाना धारण करण्याची सर्वस्वी जबाबदारी मालकाची राहिल. ही पोच पावती व्यवसायाच्या जागेचा मालकी हक्क किंवा मालमत्तेचा मालकी हक्क किंवा ताबा या प्रयोजनार्थ कोणत्याही कायद्यांतर्गत ग्राह्य धरता येणार नाही.										
७.	व्यवसायाचे स्वरूप	:	फ्रुट आणि व्हेजिटेबल / FOOD & VEGETABLES								
८.	पूर्वीचा नोंदणी प्रमाणपत्राचा क्रमांक व दिनांक, लागू असल्यास	:									

टीप : सदरची पोच पावती संगणकीय प्रणालीद्वारे तयार करण्यात आलेली असल्याने त्यावर स्वाक्षरीची आवश्यकता नाही. सदरची पोच पावती ही अर्जदाराने सादर केलेल्या स्वयंघोषणापत्र आणि स्वयंसाक्षात्कीत अभिलेखाद्वारे पडताळणी न करता देण्यात आलेले आहे.

सादर पोचपावती ही १० पेक्षा कमी कामगार असलेल्या आस्थापनांना नोंदणी दाखल्या ऐवजी देण्यात येते. त्यांना नमुना - ब मध्ये नोंदणी प्रमाणपत्र अनुज्ञेय होत नाही.

दिनांक : २९-१२-२०२२

ठिकाण : Nashik

कार्यालयाचा पत्ता : Shop Inspector Office, Manmad, Address- Omkar Tower, Near Malegaon Chaufuli Square, Manmad, District-Nashik.

अर्जाचा आय.डी. क्रमांक	प्रदान केलेले सेवा मूल्य (रुपये)
११२९७६०७२२०३	२३.६०



**Form C**  
**Government of Maharashtra**  
**Food And Drug Administration**  
**Food Safety and Standards Authority of India**  
**License under FSS Act, 2006**



License Number: **11520029000364**



- |  |  |
|--|--|
| 1. Name & Registered Office address of Licensee: | M/S,BHARASKAR RICE MILL (PROP SHIVPRASAD MADHUSUDAN BHARASKAR)<br>GAT NO 119/3,AT KONE,POST WAGHERA,TAL-TRIMBAKESHWAR,NASHIK, Nashik, Maharashtra-422203 |
| 2. Address of Authorized Premises:               | GAT NO 119/3,AT KONE,POST WAGHERA,TAL-TRIMBAKESHWAR,NASHIK, Trimbakeshwar, Nashik, Maharashtra-422203  |
| 3. Kind of Business:                             | Manufacturer - General Manufacturing   |
| 4. Dairy Business Details:                       | No   |
| 5. Category of License:                          | <b>State License</b>   |

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

Place: Nashik

**Designated Officer**

Issued On: 17-09-2022 (Modified License)

Valid Upto: 12-10-2023 (For details, refer Annexure)

**Annexures:**

1. [Product Annexure](#)
2. [Validity Annexure](#)
3. [Non-Form C Annexure](#)
4. [Conditions Of License](#)

**Note:**

1. Application for renewal of License can be filed as early as 180 days prior to expiry date of License. You can file application for renewal or modification of License by login into FSSAI's Food Safety Compliance System(<https://foscoss.fssai.gov.in>) with your user id and password or call us at 1800112100 for any clarification.
2. This License is only to commence or carry on food businesses and not for any other purpose.
3. This is computer generated license and doesn't require any signature or stamp by authority.

Mahatma Gandhi Vidyamandir's,  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College,**  
Panchavati, Nashik – 422003

**DEPARTMENT OF MARATHI**  
**Startup Details**

Name of the Student	Year of Passing	Name of the Business	Year of Establishment
Yuvraj Ashok Jadhav	2018-19	Senior Education Councilor	2019-20
Nikhil Dhondage	2020-21	You tube Channel Vlogger	2018-19
Harshada Sabale	2021-22	Advanced Makeup Artist	2022-23

**Description – Business Details**

1. Yuvraj Ashok Jadhav - Senior Education Councilor



**Yuvraj Ashok Jadhav**  
Senior Education Counsellor

Employee ID

:

TNL21890320

Manager

:

saras.satyam@byjus.com

Phone Number

:

8421431476

Email ID

:

yuvraj.jadhav@byjus.com

Office Address

:

6th floor, IBC Knowledge Park, Bengaluru, 560029







**Yuvraj Ashok Jadhav**  
Senior Education Counsellor

**Employee ID** : TNL21890320

**Manager** : mane.gajanan@byjus.com


**Phone** : 8421431476

**Email ID** : yuvraj.jadhav@byjus.com

**Office Address** : 6th floor, IBC Knowledge  
Park, Bengaluru, 560029

[www.byjus.com](http://www.byjus.com)

## 2. Nikhil Dhondage - You tube Channel Vlogger

		
Payments profile ID 7444-82		
Name NIKHIL DHONDGE		
Payments account nickname Google AdSense		
Summary created Mar 21, 2021		
<b>Mar 1 - 21, 2021</b>		
		Ending balance: \$0.00
Date	Description	Amount (USD)
Mar 21, 2021	Automatic payment: Wire transfer to bank account ****169. GG102PLTXT	-\$375.35
		Starting balance: \$375.35



### 3. Harshada Sabale - Advanced Makeup Artist





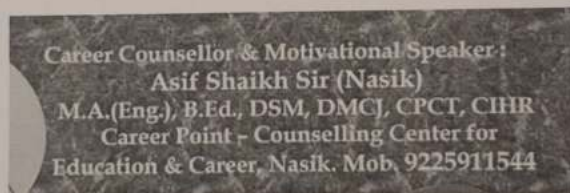
Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray Arts, Science and Commerce College,  
Panchavati, Nashik


Department of English

Start-up Details are as follows :

Sr. No	Name of the Student	Year of Passing	Year of Establishment of Business	Type of Business
1.	Shinde Shravan Baburao	2018-2019	2019-20	Vaishnavi Medical & General Store
2.	Bhoye Rahul Yuvraj	2018-19	2019-20	Photography Studio
3.	Mr.Shaikh Asif Shabbir	2021-22	2020-21	Career Counsellor & Motivational Speaker
4.	Pallavi Prakash Pawar	2015-16	2018-19	Entrepreneur (Samartha Cyramics, Nashik)
5.	Ms.Swapna More	2013-14	2017-18	A Successful Serial Entrepreneur/A Retalor/Start up Founder/A Restaurateur/Wannabe Changemaker <ul style="list-style-type: none"> <li>➤ Founder at Aghamarshaa Hospitality LLP</li> <li>➤ Joint Managing Director at Commander Estate Developers</li> <li>➤ Co-Founder at Kagaay Technosolv Private Limited</li> <li>➤ State Chairperson, Maharashtra at Confederation of Indian Micro, small and Medium Enterprises</li> <li>➤ Founder and Owner at Tapriwaala</li> </ul>





  
Smt. Sarala K. Sanap  
Head  
Department of English  
Loknete Vyankatrao Hiray  
Arts, Science & Commerce College,  
Panchavati, Nashik - 3.



Mahatma Gandhi Vidyamandir's  
Loknete Vyankatrao Hiray Arts, Science & Commerce College,  
Panchavati, Nashik-03



## Department of Physics Startup Activity

Name of the Student	Year of Passing	Year of Establishment of Startup	Nature of Business
Nikita Balchandra Desale	2015-16	2020-21	Iceberg Designs

Logo Designs



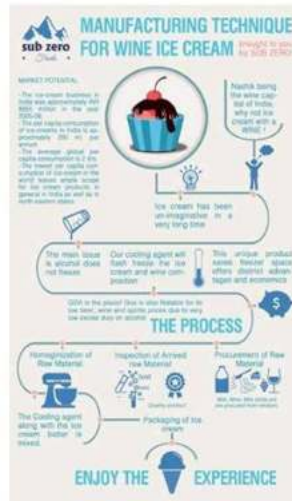
## Nikita Patil

+91 70302 55554

icebergdesigns2021@gmail.com



## Infographics & Illustrations



## Posters and Social Media



**Mahatma Gandhi Vidyamandir's**  
**LOKNETE VYANKTRAO HIRAY ART'S SCIENCE AND COMMERCE**  
**COLLEGE PANCHAVATI, NASHIK - 03**  
**DEPTMENT OF POLITICAL SCIENCE**

**List of Startups Business Alumni List**

<b>Sr. No</b>	<b>Name of the Alumni</b>	<b>Year of passing</b>	<b>Name of Startups Business</b>	<b>Year of Establishment Startups</b>	<b>Mobile No.</b>
01	Eknath Ranganath Chavan	2016-17	2018	Photo Studio	9765978801 9284448724
02	Bhadange Lahudas Savaliram	2022-23	2020	Poultry	7057963073



**Mahatma Gandhi Vidyamandir's**  
**Loknete Vyankatrao Hiray Arts, Science & Commerce College,**  
**Panchavati, Nashik-3**  
**Department of Zoology**  
**Startup Activity 2017-2022**

Name of the Student	Year of Passing	Year of Establishment of Startup	Nature of Business
Mahale Devidas Vishnu	2015	2020	PRINTING INDUSTRY
Pagar Sopan Tanaji	2005	2015	Shetkari Agromall
Pawar Vrushali Sanjay	2019	2023	Coaching Classes
Jadhav Kshitija	2021	2021	Ishan Pathology Laboratory
Tank Lalit Gordhanbhai	2010	2018	Scholars Academy

**Mahale Devidas Vishnu**

**PROJECT REPORT**





## ***LETS PRINT***

### **Details of Business**

**Name of the Firm** : LETS PRINT  
**Udyog Aadhaar Number** : MH23B0049046  
**Location of the Firm** : At - Ambad (Devalichapada), Post Palasvahir, Tal. Dindori, Dist. Nashik-422007  
**Type of Industry** : Manufacturing (Off-Set Printing & Packaging)  
**Constitution of Business** : Proprietary  
**Date of Commencement** : 2020  
**Title of Property** : Owned  
**Products and Services** : Printing & Packaging, Commercial Job, Brochures, Calendars, Catalogues, Booklets & Catch Cover, Posters, labels, Pamphlets, Textbooks, Stickers, Domestic Work, Punching, Cutting, Binding, Stitching, Lamination, Perforation, Creasing, Folding, Gluing, etc.  
**Area of Unit** : 44608 sq.ft.

### **Details of Proprietor**

**Name** : Mr. Devidas Vishnu Mahale  
**Date of birth** : 01-06-1983  
**Address** : At - Ambad (Devalichapada), Post Palasvahir, Tal. Dindori, Dist. Nashik-422007  
**PAN** : AOVPM8279G  
**Mobile no.** : 9921502742  
**Email ID** : [devidasmahale6@gmail.com](mailto:devidasmahale6@gmail.com)  
**Qualification** : BSC (Printing Techno)  
**Work Experience** : 4 years in this field  
**Special Training** : Major Apprenticeship at Government Press Nashik Road, Offset Machine Minder (3 Years Training)

### **Entrepreneurship**

**Development Program** : - TATA Housing  
25-10-2017 to 10-12-2017  
- Maharashtra Center Entrepreneurship Development Nashik (MCED) 09-02-2018 to 27-02-2018

**Capacity Building Program** : Export Promotion Program  
Maharashtra Center Entrepreneurship Development Nashik (MCED)  
01-12-2019 to 06-12-2019

### **INTRODUCTION: PRINTING INDUSTRY IN INDIA**

Printing and Print – Packaging industry in India is growing; people are taking keen interest in this key industry now. There are more than 36 printing institutes some of these giving even post-graduate education. Every year more than 3500 new printing engineering graduates joins the industry, while still much more get on the spot training in the print shops. Printing especially Packaging printing is now one of the industry. It is said that since 1989 the growth of the Printing coupled with Packaging Printing industry is over 14%.

The growth of this sector attributes to the two main reasons, First is the spread of education- according to the 2001 census report literacy growth in India touched nearly 66 per cent. This amazing growth in literacy together with rising educational levels and rapidly progressing trade and industry in India make the current

situation a happy note. Literacy rate is growing; increase in the literacy rate has direct positive effect on the rise of the circulation of the regional papers. The people are first educated in their mother tongue as per their state in which they live e.g. students in Maharashtra are compulsory taught Marathi language and hence they are educated in their state language and the first thing a literate person does is read papers and gain knowledge and hence higher the literacy rate in a state the sales of the dominating regional paper in the state rises. There's little doubt about India's market potential in print media. According to a national survey, 248 million literate adults still don't read any publication. But readership of newspapers and magazines is up by 15% since 1998 to 180 million. It's a reflection of a younger, more educated population, especially in small-town India, feel experts. India has 49,000 publications, but annual revenues total just \$1.1 billion. While they can be vibrant and gutsy, most are starved for technology, marketing, and capital to expand. So a handful of publications dominate. With the growth in literacy, the Indian print media industry is expected to grow at CAGR of 5.7% for the period 2009-13 to reach Rs. 213.6 billion from Rs. 161.8 billion in 2008.

Newspaper publishing, which constitutes around 87% for the segment in 2008, is expected to grow to Rs. 184.8 billion in 2013. Magazine publishing is expected to grow to Rs. 28.8 billion in 2013 from Rs. 21.0 billion in 2008 at a CAGR of 6.5%.

Print advertising is expected to have a CAGR of 8.0% and grow from Rs. 103.5 billion in 2008 to Rs. 152.0 billion in 2013. Print industry circulation CAGR is expected to grow at a minimal rate of 1.1% to reach Rs. 61.6 billion in 2013 from Rs. 58.3 billion in 2008.

The Indian Print Industry has undergone a revolutionary change in the last 15 years. In 1990, India initiated a process of reforms aimed at shedding protectionism and embracing liberalisation of the economy. Privatisation was initiated with the aim of integrating the [[Indian economy]] with the world economy. This change opened the doors for the Indian Print Industry to modernise, by investing in the latest of technology and machinery. The average compound annual growth rate has been higher than 12% over the last 15 years. Our packaging industry is currently growing at a rate of more than 16% a year. Prior to 1990, most printers found it easy to invest in East German and Czechoslovakian machines. Post 1990, the trend has been to acquire the latest and the best equipment & machines. The progressive printers of today are equipped with the latest computer controlled printing machines and flow lines for binding, while state of the art digital technologies are being used in pre-press. Leading print companies have optimised the use of information technology in each and every area of their business. These printers are today equipped at par with the best print production facilities in the world.

Today, India is fast becoming one of the major print producer & manufacture of printed paper products for the world markets. The quality standards have improved dramatically and immense production capacities have been created. Some printers have won recognition by winning prizes at international competition for excellence in printing. The current annual turnover of all the components in the Indian printing industry are more than Rs.50,000 crores. That is in the region of US\$11 Billion.

Indian books, journals and printing jobs, etc. are being exported to over 120 countries of the world both developed and developing. Indian exports of books, printed pamphlets, newspapers & periodicals, job printing and printed materials during 2004-05 was estimated to the tune of US\$550 million.

The Indian Printing Industry, growing at a rate of 12% per annum, comprises more than 250,000 printing companies. The current annual turnover of is more than INR 50,000 crores (US\$11 Billion). India is the

**LETS PRINT**

country with largest number of printing presses in the world (Europe: 1.18 lakh, China: 1.13 lakh, USA: 50,000, Japan: 45,000, Korea: 42,000 and Australia: 40,000). India with approx. 25 lakh employees is second only to China (30.25 lakh) so far as the number of employees in printing sector is concerned. Employees and number of printing companies are decreasing by 6 per cent world over, including China, whereas in India it is progressing at 5.2 per cent annually. The industry has undergone a revolutionary change in the last 15 years. In 1990, India initiated a process of reforms aimed at shedding protectionism and embracing liberalisation of the economy. Privatisation was initiated with the aim of integrating the Indian economy with the world economy. This change opened the doors for the Indian Print Industry to modernise, by investing in the latest of technology and machinery. In recent years, the printing industry in India has seen record levels of growth, owing to liberalised regimes, globalisation and progress in automation. The industry has grown leaps and bounds due to the latest technology and machinery, quality standards and production capacities.

### Printing processes

There are a wide variety of technologies that are used to print stuff. The main industrial printing processes are:

- [Offset lithography](#)
- [Flexography](#)
- [Digital printing](#)
- [Gravure](#)
- [Screen printing](#)



Offset is nowadays the most widely used printing technique for an extensive range of products such as books, newspapers, stationery, corrugated board, posters, etc.

Indian Printing Industry is constantly evolving and demanding, generating new opportunities. It is the biggest and fastest-growing sector within the country with its allied industries like Printing Machinery Manufacturers, Packaging industries, Paper manufacturing, Ink manufacturing, manufactures of raw material and consumables.

The value of the print industry across the country was estimated to be over 330 billion Indian rupees as of fiscal year 2019. This is expected to go up to almost 410 billion rupees by fiscal year 2024.



The industry has slowly been progressing from the heavy machinery using industry to a more softwarecentric business. The Indian printers are today equipped with the latest computer-controlled printing machines and flow lines for binding, while state-of-the-art digital technologies are used in pre-press. UV digital printing and inkjet technology are also on rise in India.



The digital printing industry is seeing significant transformations with new technologies & applications providing cost-effective and customized solutions. For the foreseeable future, offset and digital will not only co-exist, but will also complement each other- with offset taking the medium-to-longer jobs and digital performing on short-to-medium run lengths. The booming Indian economy, increasing consumerism, entry of global brands in the country and opening of the sector to foreign investors are bound to offer growth opportunities to the industry.

Currently printing sector is all set to become booming in India due to available technology, resource at a very economical cost. Also government is encouraging foreign direct investment into this sector. Lot of MNC's are expected to invest in this sector due to favourable working conditions. There are numerous jobs are expected in this industry due to overall growing percentage of 12% per annum. World-wide, the annual revenue of the printing industry is over \$600 Billion. The United States accounts the major share for over 25% of this business, at \$160-Billion a year.

## **PACKAGING INDUSTRY IN INDIA**

India Packaging Market is expected to reach over INR 63,000 Crore by FY'2023, with a projected CAGR of around 21.8%. The use of boxes for display/promotional packs, POPs and dispensers and the emergence of E-commerce industries are expected to have a positive impact on the overall revenue of the box market. The growth in use of the internet for shopping, stimulated by the growing use of smartphones as well as the increasing proportion of tech-savvy consumers, has a positive effect on box demand, since it has direct influence on the e-commerce market. Retail ready packaging is also increasing, driven by the influence of supermarkets over the retail landscape. The trend of coloured boxes has been on the rise.



**LABEL INDUSTRY IN INDIA** The Indian printing industry is increasingly being driven by growth in packaging and labels. The Indian Label Industry is growing at the rate of 30% CAGR. This includes the self-adhesive labels, shrink sleeves, wrap-around labels and other forms of labels. The label demand in India continues to grow and investments in label printing and converting equipment is on the rise. The Indian market for digital label presses has been growing at a pace of 20-25%, considering how digital is being widely accepted in the market.



## PRODUCTS: BOXES, CARTONS, CASES & CONTAINERS



## WRAPPERS

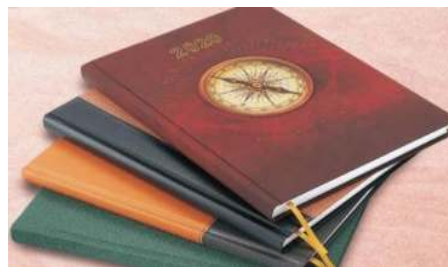


## TEXTBOOKS & NOVELS





## DIARIES



## MAGAZINES



## CHEQUE BOOKS



## PAMPHLETS, POSTERS, BROCHURES, CATALOGUES

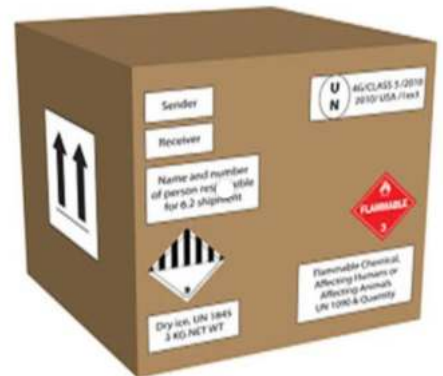




## LABELS



## STICKERS



## NEWSPAPERS

### SERVICES

- ❑ DESIGNING
- ❑ PRINTING
- ❑ COATING
- ❑ CUTTING
- ❑ LAMINATION
- ❑ BINDING / STITCHING / SEWING
- ❑ PUNCHING

- ❑ CREASING & PERFORATION
- ❑ FOLDING & GLUING
- ❑ PACKAGING

### **RAW MATERIALS**

- ❑ PAPER / STATIONARY
- ❑ SILVER / FILM LAMINATION
- ❑ ALUMINIUM PLATE
- ❑ INK / COLOR
- ❑ GUM
- ❑ PLASTIC
- ❑ CORRUGATED SHEET
- ❑ STITCHING THREAD/WIRE
- ❑ CHEMICALS

### **CUSTOMERS**

- ❑ GOVERNMENT SECTOR
- ❑ COLLEGES, INSTITUTES & UNIVERSITIES
- ❑ CORPORATES, COMPANIES & BRANDS
- ❑ WINERIES IN NASHIK
- ❑ BANKS
- ❑ OTHERS

Mr. Sopan Tanaji Pagar:



**Mr. Sopan Tanaji Pagar , Proprietor of Shetkari Agromall , Startup Business)**





**Government Of Maharashtra**  
DEPARTMENT OF AGRICULTURE  
FORM III  
LICENCE TO SELL, STOCK OR EXHIBIT FOR SALE OR DISTRIBUTE INSECTICIDES,  
[See sub-rules (4) of rule 10]

1. Old License Number LAID06060642      Date Of Issue 18/07/2015  
New License Number LCID1020222169NSH      Date Of Issue 31/10/2022

License to sell, stock or exhibit for sale or distribute insecticide(s) in the premises situated at MILKAT NO 656, TRYAMBAK ROAD, NEAR SANDEEP FOUNDATION COLLEGE, AT POST MAHARAVANI, MAHARAVANI, Nashik, Nashik, MAHARASHTRA, 422213.  
(Complete address alongwith PIN Code) is granted to IMs (Name, Complete Address, e-mail etc.,) SHETKARI AGRO MALL, MILKAT NO 656, TRYAMBAK ROAD, NEAR SANDEEP FOUNDATION COLLEGE, AT POST MAHARAVANI, MAHARAVANI, Nashik, Nashik, MAHARASHTRA, 422213.

Storage validity period upto dated -

as specified particulars of insecticide/ here with in Statement - I

1. The insecticide(s) shall be sell, stock or exhibit for sale or distribute insecticide(s) under the direction and supervision of the following responsible person/ expert staff -

Sr.No.	Name of The Responsible Person / expert staff	Designation of Responsible Person / expert staff	Office Address of The Responsible Person / expert staff	Address for Correspondence of The Responsible Person / expert staff
1	Mr. SOPAN TABAJI PAGAR	PROPRIETOR	MILKAT NO 656, TRYAMBAK ROAD, NEAR SANDEEP FOUNDATION COLLEGE, AT POST MAHARAVANI, MAHARAVANI, Nashik, Nashik, MAHARASHTRA, 422213.	TALEGAON ANJANERI, TRYAMBAK ROAD, TALEGAON ANJANERI, TALEGAON ANJANERI, anjaneri, Trimbakeshwar, Nashik, MAHARASHTRA, 422213.

2. The licence is subject to such conditions as may be specified in the rules for the time being in force under the Insecticides Act, 1968 as well as the conditions on the certificate of registration and others as stated below (overleaf).

Signature valid  
Digitally Signed by  
Vivek Shrinwas Sonawane  
Date:10/11/2022 11:55:09 AM

Notified Authority &  
District Superintending Agriculture Officer,  
Maharashtra State ,Nashik

31/10/2022





**3. Name : Vrushali Sanjay Pawar**

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### DIRECTOR


**Miss Vrushali Sanjay Pawar**


**Teacher/ councillor**

Educational Qualification  
MSc Zoology (Physiology)



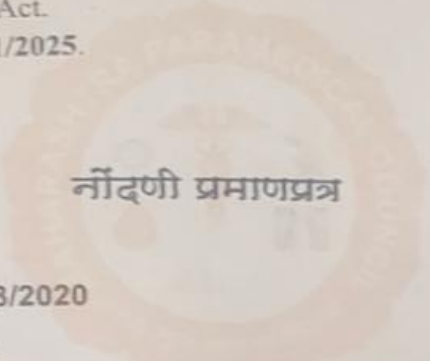
**Ms. Jadhav Kshitiza Pramod :**


**Maharashtra Paramedical Council**  
**Certificate of Registration**



Registration No. : PGD/MLT/0053/2020  
Registration Date : 23/11/2020



This is to certify that Ms. Jadhav Kshitiza Pramod  
Mother's Name JADHAV ROHINI PRAMOD, possessing the PG Diploma- Medical Laboratory  
Technology , MUHS NASHIK, 2015 has been duly registered under Part C and entered in the State  
Register under the Section 26 of the Maharashtra Paramedical Council Act, 2011 (Mah. VI of 2016)  
In witness where of are herewith affixed the Seal of the Maharashtra Paramedical Council and  
the Signature of the Registrar of the said council.  
This certificate is valid for FIVE years from the date of Registration, subject to the provisions of  
sub-section (2) of section 26 of the Act.  
This Certificate is valid up to 23/11/2025.

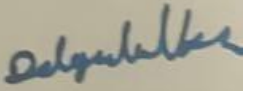
**नोंदणी प्रमाणपत्र**



नोंदणी क्रमांक : PGD/MLT/0053/2020  
नोंदणी दिनांक : २३/११/२०२०

असे प्रमाणित करण्यात येते की क. जाधव क्षितिजा प्रमोद  
आईचे नाव जाधव रोहिणी प्रमोद,  
यांची महाराष्ट्र परावैद्यक परिषद अधिनियम, २०११ (२०१६ चा महा.६) च्या कलम २६ अन्वये राज्य नोंदवहीम  
पदव्युत्तर पदविका-वैद्यकीय प्रयोगशाळा तंत्रज्ञान, महाराष्ट्र आरोग्य विज्ञान विद्यापीठ, नाशिक, २०१५  
म्हणून यथोचित नोंदणी भाग क नुसार नोंद करून घेण्यात आली आहे. याची साक्ष म्हणून महाराष्ट्र परावैद्यक  
परिषदेची मोहोर उमटविण्यात आली आहे आणि उक्त परिषदेच्या प्रबंधकाने स्वाक्षरी केली आहे.  
हे प्रमाणपत्र अधिनियमाच्या कलम २६ च्या पोट कलम (२) च्या तरतुदींना अधीन राहून नोंदणीच्या  
दिनांकापासून पाच वर्षासाठी वैध आहे.  
हे प्रमाणपत्र दिनांक २३/११/२०२५ पर्यंत वैध आहे.



  
Registrar / प्रबंधक

Govt. Dental Collage & Hospital Building, 4th Floor, St. Georges Hospital Campus,  
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LETS PRINT



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Phata, Nashik - 10**

**Contact no. 9403168093/7498414273**



# Mr. Tank Lalitkumar Gordhanbhai

## LEAVE AND LICENSE AGREEMENT

This agreement is made and executed on \_\_\_\_\_ at Nashik  
Between,

1) **Name:** Mr. Shukla Jayant Jagannath, Age : About 53 Years, PAN :

AERPS7536N Residing at: Flat No:9, Floor No:4th Floor, Building Name:Kamal Heights, Block Sector:Tidke Colony, Road:Behind Seble Furniture, Nashik, Nashik, Maharashtra, 422001 2) **Name:** Mr. Shukla Jagdish Jagannath, Age : About 52 Years, PAN :

ADXPS3024L Residing at: Flat No:C-202, Building Name:Sarvoday Anand, Block Sector:Kalyan, Road:Bhopar, Manpada Road, Dombivali East, Mumbai, Thane, Maharashtra, 421203 3)

**Name:** Mrs Joshi Janhavi Prashant, Age : About 50 Years, PAN :

**AETPJ9752R** Residing at: **Flat No:5, Floor No:-, Building Name:Jag Prabha, Block Sector:Tagor Nagar, Nashik, Road:Godavari Lane.Opp Ambedkar Nagar, Nashik, Nashik, Maharashtra, 422006**

HEREINAFTER called 'the Licensors (which expression shall mean and include the Licensors above named and also their respective heirs, successors, assigns, executors and administrators)  
AND

**Name:** Mr. Tank Lalitkumar Gordhanbhai , Age : About 36 Years Residing at: Flat No:5, Floor No:-, Building Name:Datta Chaya Apartment, Block Sector:Nashik, Road:Prabhat Nagar, Dindori Road, Mahsrul, Nashik, Nashik, Maharashtra, 422004

HEREINAFTER called 'the Licensee' (which expression shall mean and include only Licensee above named). WHEREAS the Licensors are absolutely seized and possessed of and or otherwise well and sufficiently entitled to all that constructed portion being unit described in Schedule I hereunder written and are hereafter for the sake of brevity called or referred to as Licensed Premises and is/are desirous of giving the said premises on Leave and License basis under Section 24 of the Maharashtra Rent Control Act, 1999.

AND WHEREAS the Licensee herein is in need of temporary premises for

Residential use has/have approached the Licensors with a request to allow the Licensee herein to use and occupy the said premises on Leave and License basis for a period of 36 Months commencing from 01/05/2022 and ending on 30/04/2025, on terms and subject to conditions hereafter appearing. AND WHEREAS the Licensors has agreed to allow the Licensee herein to use and occupy the said Licensed premises for his aforesaid Residential purposes only, on Leave and License basis for above mentioned period, on terms and subject to conditions hereafter appearing;

NOW THEREFORE IT IS HEREBY AGREED TO, DECLARED AND  
RECORDED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:-

- 1) **Period:** That the Licensors hereby grants to the Licensee herein a revocable leave and license, to occupy the Licensed Premises, described in Schedule I hereunder written without creating any tenancy rights or any other rights, title and interest in favour of the Licensee for a period of 36 Months commencing from 01/05/2022 and ending on 30/04/2025
- 2) **License Fee & Deposit:** That the Licensee shall pay to the Licensors the following amount per month towards the compensation for the use of the said Licensed premises.
  - a) Rs. 7000/- (Seven Thousand Only) per month for the first 12 months,

**b) Rs. 7700/-(Seven Thousand Seven Hundred Only) per month for the next 12**

months,

c) Rs. 8470/-(Eight Thousand Four Hundred and SeventyOnly) per month for the next 12 months.

The amount of monthly compensation License fee shall be payable within first five days of the concerned month of Leave and License. Licensees shall also pay to the Licensor Rs. 40000 interest free refundable deposit, for the use of the said Licensed premises.

- 3) Payment of Deposit:** That the Licensee have paid / shall pay the above mentioned deposit/premium as mentioned above by Cheque/NEFT/RTGS No. 000050, dated – 31/05/2022 , drawn on the Licensee's Banking Account with Hdfc bank Bank, Nashik Branch. Amount Rs. 40000/-(Forty Thousand Only)
- 4) Maintenance Charges:** That the Licensee herein shall bear and pay all the maintenance charges in respect of the said Licensed Premises, and other outgoings including all rates, taxes, levies, assessment, non occupancy charges, etc. in respect of the said premises shall be paid by the Licensors.
- 5) Electricity Charges:** The licensee herein shall pay the electricity bills directly for energy consumed on the licensed premises and should submit original receipts to Licensor indicating that the electricity bills are paid.
- 6) Use:** That the Licensed premises shall only be used by the Licensee for Residential purpose. The Licensee shall maintain the said premises in its existing condition and damage, if any, caused to the said premises, the same shall be repaired by the Licensee at its own cost subject to normal wear and tear. The Licensee shall not do anything in the said premises which is or is likely to cause a nuisance to the other occupants of the said building or to the prejudice in any manner to the rights of Licensors in respect of said premises or shall not do any unlawful activities prohibited by State or Central Government .
- 7) Alteration:** That the Licensee shall not make or permit to do any alteration or addition to the construction or arrangements (internal or external) to the Licensed premises without previous consent in writing from the Licensors.
- 8) No Tenancy:** That the Licensee shall not claim any tenancy right and shall not have any right to transfer, assign, and sublet or grant any license or sublicense in respect of the Licensed Premises or any part thereof and also shall not mortgage or raise any loan against the said premises.
- 9) Inspection:** That, the Licensors shall on reasonable notice given by the Licensors to the Licensee shall have a right of access either by themselves or through authorized representative to enter, view and inspect the Licensed premises at reasonable intervals.
- 10) Cancellation:** That, Subject to the condition of lock in period (if any), if the Licensee commits default in regular and punctual payments of monthly compensation as herein before mentioned or commit/s breach of any of the terms, covenants and conditions of this agreement or if any legislation prohibiting the Leave and License is imposed, the Licensors shall be entitled to revoke and / or cancel the License hereby granted, by giving notice in writing of one month and the Licensee too will have the right to vacate the said premises by giving a notice in writing of one month to the Licensors as mentioned earlier.
- 11) Possession:** That the immediately at on the expiration or termination or cancellation of this agreement the Licensee shall vacate the said premises without delay with all his goods and belongings. In the event of the Licensee failing and / or neglecting to remove himself and / or his articles from the said premises on expiry or sooner determination of this Agreement ,the Licensors shall be entitled to recover damages at the rate of double the daily amount of compensation per day and or alternatively the Licensors shall be entitled to remove the Licensee and his belongings from the Licensed premises, without recourse to the Court of Law.
- 12) Miscellaneous:** Ground floor only from total premises given for use to licensee.
- 13) Registration:** This Agreement is to be registered and the expenditure of Stamp duty and registration fees and incidental charges, if any, shall be borne by the Licensee and Licensor equally..

#### **SCHEDULE I**

(Being the correct description of premise Apartment/Flat which is the subject matter of these presents) All that constructed portion being Residential unit bearing Apartment/Flat No.



Bungalow No.2, Built-up :252.50 Square Meter, situated on the Ground Floor Floor of a Building known as 'Om Society' standing on the plot of land bearing Survey Number :295/A/1/1A/33 & Plot Number :33, Road: Takle Nagar, Panchavati, Location: Nashik, of Village: Nashik shahar, situated within the revenue limits of Tehsil Nashik and Dist Nashik and situated within the limits of Nashik Municipal Corporation.

IN WITNESS WHEREOF the parties hereto have set and subscribed their respective signatures by way of putting thumb impression electronic signature hereto in the presence of witness, who are identifying the executants, on the day, month and year first above written.

Back	Execute	Admission	Show PDF	Sign Document Electronically	Submit	Submit wit
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\* चाचणी परिक्षा, सत्र परिक्षा व सराव परिक्षांचे उत्तर पत्रिका सह आयोजन व मार्गदर्शन  
 \* प्रत्येक रविवारी योगा क्लासेस व सराव परिक्षा  
 \* विद्यार्थ्यांची गती व क्षमतेनुसार अध्यापन पद्धती  
 \* शैक्षणिक सहलीचा आयोजन  
 \* प्रवेश घेण्या आधी एकदा अवश्य भेट द्या, चर्चा करा नंतरच प्रवेश निश्चित करा.

**आमचे गुणवंत विद्यार्थी २०१८-२०१९**

 अनन्या वैश्य A1 ICSE - 4 <sup>th</sup>	 सार्धक पवार A1 Std. 5 <sup>th</sup>	 प्राची राजुरकर A1 Std. 7 <sup>th</sup>	 मानव कनाडिया A1 Std. 8 <sup>th</sup>
 सुरज सोनार A1 Std. 8 <sup>th</sup>	 यश गोहिल A1 Std. 8 <sup>th</sup>	 ओम जुरे A1 Std. 9 <sup>th</sup>	

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\* आमची वैशिष्ट्ये \*

- \* मर्यादित विद्यार्थी संख्या व माफक शुल्क
- \* प्रत्येक विषयासाठी स्वतंत्र व अनुभवी शिक्षक वृंद
- \* प्रत्येक वर्गाचे स्वतंत्र बॅचेस व शाळेच्या वेळेनुसार बॅचेस उपलब्ध.
- \* अद्ययावत शिक्षण प्रणाली (ई-लर्निंग)
- \* दररोज हजरी घेऊन गैरहजर असल्यास विद्यार्थ्यांच्या पालकांशी संपर्क

संपर्क : ललित टांक, (एम.एस्सी. नेट) **7720001454**  
 युवराज जाधव (एम.एस्सी.) **8421431476**

पत्ता : प्लॉट नं. ३३, बलवंत बंगलो, ओम हाऊसिंग सोसायटी, श्रीमती नर्गिस दत्त कन्या विद्यालय शेजारी, टाकले नगर, पंचवटी, नाशिक ०३

## M. G. Vidyamandir's

Loknete Vyankatrao Hiray Arts, Science and Commerce College, Panchavati  
Nashik-422009

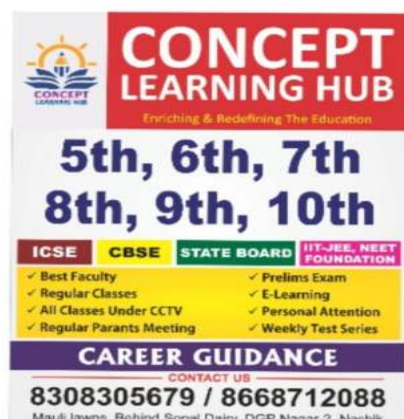
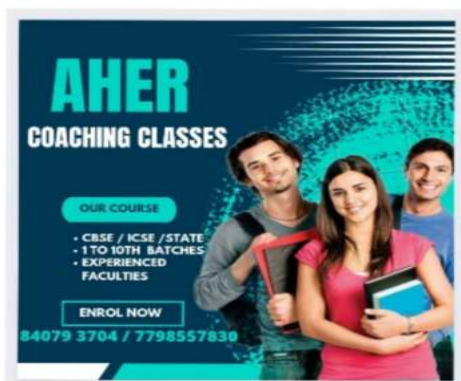
Department of Mathematics (2022 – 23)

### Information regarding Alumni (2017-22)

#### Startups/ Business

Sr. No.	Name of the students	Year of passing
1	Amit Arun Ahire	2016 – 17
	Sachin Jibhau More	2016 – 17
2	Raju Dnyaneshwar Pawar	2017 – 18
3	Dnyaneshwar Murlidhar Kshirsagar	2017 – 18
4	Vaibhav Bhausahab Dhanage	2019 – 20
5	Dinesh Madhukar Bachhav	2020 – 21
6	Sachin Annasaheb Dholi	2015 – 16

#### 1. Amit Arun Ahire and Sachin Jibhau More



**Date of Establishing of a class: 1 March 2022**

**Number of Batches: 8**

**Standard: 5<sup>th</sup> to 12<sup>th</sup>**

**No. of student: 250**

**No. of staff: 13**

## **The success story**

### **AHER COACHING CLASSES**

**Mr. Amit Arun Ahire and Mr. Sachin Jibhau More**

- ❖ **Director Aher Coaching Classes, Adgaon, Nashik**
- ❖ **Director Concept Learning Hub, DGP Nagar, Nashik**

Mr. Amit Arun Ahire and Mr. Sachin Jibhau More being entrepreneur and educationalist who are also the Director of Concept Learning Hub for the students of various schools in Nashik through which the human ability to learn categories for object and to recognize new instances.

Both Amit Ahire and Sachin More have completed there M.Sc. in Mathematics from Department of Mathematics, Loknete Vyankatrao Hiray Arts, Science and Commerce College during the academic year 2016 – 2017.

During the education of both of them in the department, through various activities including workshops, seminars, various mathematical ICT tools and Group Discussion. He has strengthened his skills of giving lectures, communication with other peoples which helps him to grow his classes from a very small scale to large scale within 5 years. Along with this, he is also the Associate President of Private Coaching Classes Directors Association (PCCDA), Nashik through which he solves various issues of tutors during covid – 19.

During last 5 years he has received various awards which includes “Maharashtra Shikshanratn Award”, “Ideal Teacher Award by Sane Guruji Girna Gaurav Pratisthan”, “Youth Ideal Teacher Award by Sandi Foundation and PCCDA, Nashik”.



Today under his mentor ship more than 250 students have taken education under various section which includes JEE, NEET, CET and also foundation course for the basics of 11<sup>th</sup> and 12<sup>th</sup> including 5<sup>th</sup> to 12<sup>th</sup> in which 11<sup>th</sup> and 12<sup>th</sup> science students with the help of 8 staff members in the Nashik District from both rural and urban area.

## 2. Raju Dnyaneshwar Pawar

आम्ही देतो आपल्या  
**डॉक्टर**  
आणि **इंजिनियर**  
होण्याच्या स्वप्नांना  
**पंख**

Prof. Pawar's  
**युनिव्हर्सल**  
सायन्स अॅकेडमी  
ताऱ्यांच चमचमतं विश्व .....

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साने गुरुजी आदर्श शिक्षक पुरस्कार  
युवा आदर्श शिक्षक पुरस्कार

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D.G.P Nagar 2 Bus Stop, Ambad, Nashik.  
**Our Branches**  
Main Branch : Ashok Stambh  
Branch 1 : Nashik Road  
Branch 2 : D.G.P Nagar 2

**Date of Establishing of a class: 26 January 2012**

**Number of Batches: 12**

**Standard: 11<sup>th</sup> and 12<sup>th</sup>**

**No. of student: 500<sup>+</sup>**

**No. of staff: 13**

## **The success story**

### **UNIVERSAL SCIENCE ACADEMY**



#### **Mr. Raju Dnyaneshwar Pawar**

- ❖ **Director Universal Science Academy, Ambad, Nashik**
- ❖ **Director Brainova Academy, Nashik**
- ❖ **President of Dnyanesh Foundation (Little Hands School)**

Mr. Raju D. Pawar being 3<sup>rd</sup> generation entrepreneur and educationalist who is also the Director of Concept Learning Hub for the students of various schools in Nashik through which the human ability to learn categories for object and to recognize new instances.

He has completed his M. Sc. in Mathematics from Department of Mathematics, Loknete Vyankatrao Hiray Arts, Science and Commerce College during the academic year 2017 – 2018.

During his education in the department, through various activities including seminars, various mathematical ICT tools and Group Discussion. He has strengthened his skills of giving lectures, communication with other peoples which helps him to grow his classes from a very small scale to large scale within 5 years. Along with this, he is also the Associate President of Private Coaching Classes Directors Association (PCCDA), Nashik through which he solves various issues of tutors during covid – 19.

During last 5 years he has received various awards which includes “Maharashtra Shikshanratn Award”, “Ideal Teacher Award by Sane Guruji Girna

Gaurav Pratisthan”, “Youth Ideal Teacher Award by Sandi Foundation and PCCDA, Nashik”.

Today under his mentorship more than 3000 students have taken education under various section which includes JEE, NEET, CET and NDA including 11<sup>th</sup> and 12<sup>th</sup> science students with the help of 13 staff members in the Nashik District from both rural and urban area.



### 3. Dnyaneshwar Murlidhar Kshirsagar

**KSHIRSAGAR CLASSES**

● Engineering

● Diploma

● 11th & 12th (Sci)

PCMB(CET+JEE+NEET)

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All Branch All Subjects / PCMB (CET+JEE+NEET)

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**Date of Establishing of a class: 1st June 2012**

**Number of Batches: 03**

**Standard: Bachelor of Engineering (Sem-I, II, III) and Technical Subjects**

**No. of student: 750<sup>+</sup>**

**No. of staff: 3**

## **The Success Story**

### **KSHIRSAGAR CLASSES**



**Mr. Dnyaneshwar Murlidhar Kshirsagar**

**❖ Director Kshirsagar Classes, Nashik**

Mr. Dnyaneshwar Murlidhar Kshirsagar being entrepreneur and educationalist who is also the Director of Kshirsagar Classes and made an app like Work'sTruly for different purposes. Work'sTruly is the comprehensive solution for everything we need to run a successful business.

He has completed his M. Sc. in Mathematics from Department of Mathematics, Loknete Vyankatrao Hiray Arts, Science and Commerce College during the academic year 2017 – 2018.

During his education in the department, through various activities including seminars, various mathematical ICT tools and Group Discussion, Symposiums etc.

He has strengthened his skills of giving lectures, communication with other peoples which helps him to grow his classes from a very small scale to large scale within 5 years.

Today under his mentor - ship more than 750+ students have taken education under various section which includes Diploma, Bachelor of engineering, B. Cs., M. Cs. And also 11<sup>th</sup> and 12<sup>th</sup> science students with the help of 3 staff members in the Nashik District from both rural and urban area. He also made an app like Work'sTruly which is basically sits on a secure cloud. In this app we can take our business with anyone, Work'sTruly is working on mobile phones also.

#### 4. Vaibhav Bhausaheb Dhanage



**धनगे क्लासेस**

हमी गुणवत्तेची, तुमच्या यशाची...

**१००% यशाची हमी देणारा क्लास**

वैशिष्टे

- १) अनुभवी प्राध्यापक वृंद
- २) प्रत्येक विद्यार्थ्याकडे वैयक्तिक लक्ष
- ३) सुपर १० बॅच
- ४) प्रत्येक बॅचला मर्यादित विद्यार्थी संख्या
- ५) दर रविवारी सराव परिक्षा

\* ५ वी ते १० वी  
\* ११ वी ते १२ वी Science (MATHS)  
\* ११ वी १२वी Commerce (MATHS)

\* ठिकाण \* आत्माराम हॉटेल शेजारी, शिवाजी चौक, अंदरसुल ता. येवला जि. नाशिक

संपर्क - प्रा. वैभव भाऊसाहेब धनगे  
M.Sc. (Maths), B.ed.

**7350288564 / 8459651991**



**Date of Establishing of a class: 15 August 2021**

**Number of Batches: 10**

**Standard: 5<sup>th</sup> to 12<sup>th</sup>**

**No. of student: 300<sup>+</sup>**

**No. of staff: 7**

## **The success story**

### **DHANAGE CLASSES**



**Mr. Vaibhav Bhausaheb Dhanage**

**❖ Director Dhanage Classes, Andarsul, Tal. Yeola, Dist. Nashik**

Mr. Vaibhav Bhausaheb Dhanage being entrepreneur and educationalist who is also the Director of Dhanage Classes for the students of various schools in Nashik through which the human ability to learn categories for object and to recognize new instances.

He has completed his M. Sc. in Mathematics from Department of Mathematics, Loknete Vyankatrao Hiray Arts, Science and Commerce College during the academic year 2019 – 20.

During his education in the department, through various activities including seminars, workshops, Symposiums, various mathematical ICT tools and Group Discussion. He has strengthened his skills of giving lectures, communication with other peoples which helps him to grow his classes from a very small scale to large scale within 5 years. Most of the students are from rural areas so he understand the problem of each and every students and work to solve the problems regarding financial and educational.

Today under his mentor-ship more than 300+ students have taken education under various section which includes Scholarship, Navodaya, JEE, NEET, CET and NDA including 11<sup>th</sup> and 12<sup>th</sup> science students with the help of 7 staff members in the Nashik District from both rural and urban area.

## 5. Dinesh Madhukar Bachhav

# श्री बच्चाव क्लासेस

A Institute For KG to PG Maths

१ जुलै ला शुभारंभ

दिनांक २ जुलै पासून रेग्युलर बॅचेस सुरु...  
प्रवेश सुरु, मर्यादित प्रवेश शिल्लक

<b>इयत्ता ९ ते १० वी</b> मराठी / सेमी	<b>इयत्ता ५ ते ८ वी</b> मराठी / सेमी / इंग्रजी	<b>इयत्ता ५ ते १० वी</b> मराठी / सेमी / इंग्रजी	<b>शालेय स्पर्धा परिक्षा</b>
गणित / विज्ञान / इंग्रजी २ जुलै २०१८ पासून फायनल परीक्षे पर्यंत	रेग्युलर बॅच २ जुलै २०१८ पासून फायनल परीक्षे पर्यंत	State Bord CBSC ,ICSE Board	नवोदय, NMMS इयत्ता ५ वी ते ८ वी स्कोलरशिप NDA ची तयारी

**वैशिष्ट्ये :**

१. शालेय प्रवेशासह नवोदय स्कॉलर परिक्षेची तयारी
२. अनुभवी व तज्ञ शिक्षक वृंद
३. प्रत्येक विषयांचे घटक निहाय प्रत्येक परीक्षा निहाय प्रिंटेड मटेरियल टेस्ट सिरीज मिळेल.
४. प्रत्येक विषया साठी स्वतंत्र शिक्षक
५. प्रत्येक वर्गासाठी स्वतंत्र बैठक व्यवस्था.
६. स्वतंत्र लायबरी व्यवस्था उपलब्ध
७. शंका निरसणासाठी स्वतंत्र सेशन
८. प्रत्येक विद्यार्थ्याचा प्रोग्रेस रिपोर्ट
९. करियर गाइन्स यावर तज्ञाद्वारे मार्गदर्शन

**आपल्या पाल्याच्या उज्वल भविष्यासाठी  
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**ठिकाण : श्री.तबाजी गिते सदन, मारुती मंदिराजवळ, शिंगवे, ता. निफाड**

**Date of Establishing of a class: 1 April 2014**

**Number of Batches: 10**

**Standard: 1<sup>st</sup> to 10<sup>th</sup>**

**No. of student: 650<sup>+</sup>**

**No. of staff: 8**

## **The success story**

### **Bachhav Classes**



**Mr. Dinesh Madhukar Bachhav**

**❖ Director Bachhav Classes , Nashik**

Mr. Dinesh Madhukar Bachhav being entrepreneur and educationalist who is also the Director of Bachhav Classes for the students of various schools in Nashik through which the human ability to learn categories for object and to recognize new instances.

He has completed his M. Sc. in Mathematics from Department of Mathematics, Loknete Vyankatrao Hiray Arts, Science and Commerce College during the academic year 2020 – 2021.

During his education in the department, through various activities including Symposiums, Workshops, seminars, various mathematical ICT tools and Group Discussion. He has strengthened his skills of giving lectures, communication with



other peoples which helps him to grow his classes from a very small scale to large scale within 8 years. Along with this,

Today under his mentor-ship more than 650+ students have taken education under various section which includes including NMMS , Scholarship, Navodaya, Foundation Courses for 11<sup>th</sup> - 12<sup>th</sup> students with the help of 8 staff members in the Nashik District from both rural and urban area.

## 6. Sachin Annasaheb Dholi



**Date of Establishing of a class: 1 June 2016**

**Number of Batches: 5**

**Standard: 1<sup>st</sup> to 10<sup>th</sup>**

**No. of student: 250<sup>+</sup>**

**No. of staff: 5**



**Mr. Sachin Annasaheb Dholi**

**❖ Director Vision Classes , Nashik**

Vision Classes, Sinner was established in 2016 by Prof. Sachin Annasaheb Dholi Sir (MSc Mathematics, BEd, Google Certified Educator). Because of their efforts and dedicated teaching, Vision Classes Sinner became the only fully digital organization. His love for students made our organization reach every household in Sinner city. Vision Classes Sinner is proud to have helped many students achieve their dreams. Complete knowledge is provided to all students starting from ICSE, CBSE and SSC Board (Class I to X as well as Class XI and XII Science/Commerce).

Our institute is specially dedicated to teach our students Math, Science and other subjects as these subjects will help them throughout life and it is absolutely necessary



to cover the basics of these subjects at the initial stage of study. At the same time, our institute has gained a great reputation in Sinner city since 2016 by being preferred by parents and students in competitive exams like 5th and 8th scholarship, NMMS and Navodaya in Sinnar city. Starting with one student, Vision Classes have enrolled a total of 350+ students since 2016. And currently more than 200+ students are studying there 2022-23. Many students who are not able to score enough marks to pass any exam, they come here in search of suitable teachers and they are never disappointed. Vision classes are not only about students but also many teachers have made successful careers.

Apart from teaching, Vision Classes also inculcate good manners i.e. Sanskar in all the students coming here to become a good citizen and a successful person in his/her life.



Details of Self Employed students in B.Voc Automobile Technology, 2017-18							
Sr. No.	Name of Students	Designation	Name of the Organization	Monthly Income	Contact no.	Passing Year	Documents
1	Prashant Nandakishor Bagul	Owner	Ghanraj motor works, Nandur Naka, Nashik	25,000	7709133812	2017-18	<a href="https://drive.google.com/file/d/1wM-Tb5KJqeE3sxYi_5pS5Hm7yiV6vnUy/view?usp=sharing">https://drive.google.com/file/d/1wM-Tb5KJqeE3sxYi_5pS5Hm7yiV6vnUy/view?usp=sharing</a> <a href="https://drive.google.com/file/d/1KVriF3WRvvTG4U8Dz4pcFN8AufqZ8_i/view?usp=sharing">https://drive.google.com/file/d/1KVriF3WRvvTG4U8Dz4pcFN8AufqZ8_i/view?usp=sharing</a>
Details of Self Employed students in B.Voc Automobile Technology, 2018-19							
Sr. No.	Name of Students	Designation	Name of the Organization	Monthly Income	Contact no.	Passing Year	Documents
1	Akshay Shinde	Owner	Photography &Editing, Nashik	20,000	7038336010	2018-19	<a href="https://drive.google.com/file/d/1vb6O6isMy3MRgngnO9k4Z5ebQIKuoSw2/view?usp=sharing">https://drive.google.com/file/d/1vb6O6isMy3MRgngnO9k4Z5ebQIKuoSw2/view?usp=sharing</a>
Details of Self Employed students in B.Voc Automobile Technology, 2019-20							
Sr. No.	Name of Students	Designation	Name of the Organization	Monthly Income	Contact no.	Passing Year	Documents
1	Akshay Nandu Kale	Owner	Shaan Motors, ( Vahan Bazar) Adgoan Naka, Nashik	60,000	9764272020	2019-20	<a href="https://drive.google.com/file/d/1NEwIQyJIJsrfVTF4O3S5DgRV3k6E1ViL/view?usp=sharing">https://drive.google.com/file/d/1NEwIQyJIJsrfVTF4O3S5DgRV3k6E1ViL/view?usp=sharing</a> <a href="https://drive.google.com/file/d/1XH3xayJg6DIcaWLuJsaKxKdm3aIfLBpn/view?usp=sharing">https://drive.google.com/file/d/1XH3xayJg6DIcaWLuJsaKxKdm3aIfLBpn/view?usp=sharing</a>
Details of Self-Employed students in B.Voc Automobile Technology, 2020-21							
Sr. No.	Name of Students	Designation	Name of the Organization	Monthly Income	Contact no.	Passing Year	Documents
1	Kalpesh Sanjay Salvi	Owner	Sanjay Motors, Pimpalgaon Nashik	35,000	7020880563	2020-21	<a href="https://drive.google.com/file/d/1DpCOIMvSyQhBYM4cJkUivghZzsBMLiXF/view?usp=sharing">https://drive.google.com/file/d/1DpCOIMvSyQhBYM4cJkUivghZzsBMLiXF/view?usp=sharing</a>

Details of Self-Employed students in B.Voc Automobile Technology, 2021-22							
Sr. No.	Name of Students	Designation	Name of the Organization	Monthly Income	Contact no.	Passing Year	Documents
1	Rushikesh Marathe	Owner	Rushi Mechanic & Jay Bajrang Garage, Pimpalad Phata, Athva Mail Nashik	40,000	8698291130	2021-22	<a href="https://drive.google.com/file/d/1PILpbkT6zzdF1ex-tLBSuRy83I7OQs3s/view?usp=share_link">https://drive.google.com/file/d/1PILpbkT6zzdF1ex-tLBSuRy83I7OQs3s/view?usp=share_link</a>
							<a href="https://drive.google.com/file/d/1q3kafc4LoZHV-f1sei0NQ_A_wbNzAWH-/view?usp=share_link">https://drive.google.com/file/d/1q3kafc4LoZHV-f1sei0NQ_A_wbNzAWH-/view?usp=share_link</a>