



## INSTITUTIONAL ANNUAL REPORT: 2021-22

### DHARAMPETH EDUCATION SOCIETY'S DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

#### VISION:

To develop talent through quality and affordable education.

To produce thriving, determined and vibrant population of youngsters well equipped to move into the knowledge society.

To prepare students for wide spectrum of positions and profits in various fields.

#### MISSION:

To nurture the obvious and identify the unseen and undiscovered talents of the students so as to turn them towards the success path.

To give more than the curriculum so as to enrich the academic experience of the learners.

To provide an ambience which will help the students to keep their focus on studies and build relationship with their peers.

#### AFFILIATED TO RTM NAGPUR UNIVERSITY, NAGPUR

##### ADDRESS & CONTACT DETAILS:

North Ambazari Road, Near Ambazari Lake, Nagpur- 440033 (MS), India; Tel.: +91 712- 2241372, 2241490

##### WEBLINKS:

[www.dharampethscience.com](http://www.dharampethscience.com)

[principal\\_dsc@rediffmail.com](mailto:principal_dsc@rediffmail.com)

#### EDUCATION:

##### DEGREE COURSES:

B. Sc. Science (Physics, Maths, Chemistry, Statistics, Electronics, Computer Sciences, Languages)

B. Sc. Science (Chemistry, Botany, Zoology, Microbiology)

B. Sc. Science (Home Science)

##### CERTIFICATE & DIPLOMA COURSES:

Bioinformatics (COC)

IIT Spoken Tutorials (Seven Certificate Courses)

Life-long learning & Extension, RTM Nagpur University, Nagpur's under Jeewan Shikshan Abhiyan (Ten Short-term Certificate Courses)

##### POST GRADUATE COURSE:

M. Sc. Mathematics

#### LEADERSHIP:

**DR. AKHILESH V. PESHWE**, Principal

**PROF. (DR.) PITAMBAR T. HUMANE**, IQAC Co-ordinator

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**Dharampeth Education Society's**  
**DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE,**  
**NAGPUR**  
**Institutional Annual Report: 2021-22**

❖ **About the College:**

Dharampeth M. P. Deo Memorial Science College, Nagpur, established in 1968 is a generic name, for 'Excellence in Education'. The educational institute has had the rich heritage and has witnessed a steady progress since its inception.

The college is situated away from the hustle and bustle of the city against the backdrop of a beautiful landscape blanketed in green 'Ambazari Lake'. The college campus offers a peaceful & serene atmosphere conducive to study.

The institute is spread over a large expanse of land with beautiful natural atmosphere. It has exceptional infrastructural facilities ranging from congenial ambience of premises to well-equipped laboratories, classrooms, gymnasium, etc.

The college is blessed with learned and committed teaching staff who not only strive hard to evolve and initiate innovative approaches to share knowledge and expertise in various fields of higher education but also kindle creativity and innovations in the students.

The college is affiliated to *Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur* and comes under the purview of 2f/12B of UGC Act 1956.

The college is also reaccredited by NAAC and awarded 'A' grade with **CGPA 3.01**.

❖ **Courses Offered:**

1. Grant in Aid Courses (UG/PG)				
Sr. No.	Name of Course	UG	PG	Pattern
i.	Physics	✓	-	Semester
ii.	Mathematics	✓	-	Semester
iii.	Chemistry	✓	-	Semester
iv.	Statistics	✓	-	Semester
v.	Electronics	✓	-	Semester
vi.	Botany	✓	-	Semester
vii.	Zoology	✓	-	Semester
viii.	Microbiology	✓	-	Semester
ix.	English/Marathi/Hindi, Sansk.	✓	-	Semester
x.	Home Science	✓	-	Semester

<b>2. Self-Financing Courses (UG/PG)</b>				
Sr. No.	Name of Course	UG	PG	Pattern
i.	Computer Science	✓	-	Semester
ii.	Mathematics	-	✓	Semester & CBCS

<b>3. Self-Financing Courses (Certificate/ Diploma)</b>				
Sr. No.	Name of Course	Certificate	Diploma	Affiliation
i.	Bioinformatics (COC)	✓	✓	UGC's COC
ii.	Introduction to Computers	✓	-	IIT Bombay
iii.	C and CPP	✓	-	IIT Bombay
iv.	Arduino	✓	-	IIT Bombay
v.	Php and MySQL	✓	-	IIT Bombay
vi.	Inkscape	✓	-	IIT Bombay
vii.	Libreoffice Suit	✓	-	IIT Bombay
viii.	RDBMS	✓	-	IIT Bombay
ix.	Communication Skills and Personality Development	✓	-	RTMNU, Nagpur
x.	Vermiculturing and Vermicomposting	✓	-	RTMNU, Nagpur
xi.	Developing Computation Skills Using Software Packages and Online Google Tools	✓	-	RTMNU, Nagpur
xii.	Vedic Mathematics	✓	-	RTMNU, Nagpur
xiii.	Latex	✓	-	RTMNU, Nagpur
xiv.	Pattern Making and Embellishment	✓	-	RTMNU, Nagpur
xv.	Fresh Water Fish Culture	✓	-	RTMNU, Nagpur
xvi.	IoT Devices	✓	-	RTMNU, Nagpur
xvii.	Skill Development in Competitive Exams.	✓	-	RTMNU, Nagpur
xviii.	Excel for Banking and Accounts	✓	-	RTMNU, Nagpur

## ACHIEVEMENTS AND AWARDS

### ✚ Students' Achievements:

- ❖ **Ms. Anjali Pali**, Department of Microbiology secured First Position and Gold Medal in National Level Microbiology Quiz Competition organized by Botanista Committee Jharkhand  
<https://thelivenagpur.com/2021/11/08/dharampeth-m-p-deo-memorial-science-college-anjali-pali-secures-first-position-in-national-level-microbiology-quiz-competition/>
- ❖ **Ms. Nandini Suresh Hadge**, SEM II secured Third Rank in International Microbiology Olympiad Conducted by Microbiologist Society of India Jharkhand unit, Microbio Olympiad Committee St. Xavier's College, Ranchi in collaboration with Dr. Microbiologist on 15<sup>th</sup> September 2021.  
<https://thelivenagpur.com/2021/09/15/nandini-hagde-student-of-dharampeth-m-p-deo-memorial-science-college-wins-third-rank-in-international-microbiology-olympiad/> also secured First Rank in Intercollegiate Wildlife Photography Competition organized by Sevadal Mahila Mahavidyalaya
- ❖ **Ms. Gargi Laxmikant Hadge**, a student of B. Sc. Part-I (Bio), is selected for Students Parliament organized by RTM Nagpur University, Nagpur.
- ❖ **Ms. Prachi Pardhi** received second Prize in Digital Poster Competition organised by Sevadal Mahila Mahavidyalaya.
- ❖ **Ms. Anjali Ramkumar Pali** bagged First Rank in National Quiz Competition.
- ❖ **Tanmay Yadav Choudhari** received Consolation Prize in Inter-Collegiate Video Making Competition.
- ❖ **Ms. Isha Gupta, B. Sc Sem. IV** and **Rani Katwale** won **consolation Prize** at Inter Collegiate Poster competition on the eve of World Earth Day – 22<sup>nd</sup> April 2022
- ❖ **Ganesh Shyam Kusumbe** SEM VI [ECOM] selected as Software Engineer through Placement Drive by Gigakin Solution Nagpur.
- ❖ **Ms. Jagruti Dhanraj Warkar** Sem. II participated in National Level Quiz competition at Kamla Nehru Mahavidyalaya secured 88% marks held on 29<sup>th</sup> April 2022.

### NCC Achievements:

**Nimish Girish Nawghare** participated in

- ❖ NCC Army Attachment Camp (Pune) held from 1st March - 10<sup>th</sup> March
- ❖ NCC National Level Thal Sainik Camp (Saoner) held from 3<sup>rd</sup> July - 13<sup>th</sup> July

### **Riddhi Abhay Rajkarne**

- ❖ Certificate and medal for completing 10 km cross country Marathon on 26/09/2021.
- ❖ Certificate for completing 50 km cycling expedition on 07/11/2021

### **ROTARACT Club of DMPDMSC:**

- ❖ **Platinum Distinction Award** to Rotaract Club of DMPDSVM by District 3030
- ❖ Special award for 100% giving to Rotaract Club of DMPDSVM for successful donation to Rotary Foundation.
- ❖ **Rising Star Award** for Rotaract Club of DMPDSVM for doing excellent work, given by District 3030. (Half yearly)
- ❖ **Rtr. Sakshi Giri:** DRR Special Recognition for active participation.
- ❖ **Rtr. Sanchita Puntambekar:** Miss Rotacon for excellent performance in ROTACON Conference
- ❖ **Rtr. Shardul Moharil:** Best Active participant in ROTACON Conference.
- ❖ **DRR Recognition Award:**
  - ❖ Rtr. Shardul Moharil (President)
  - ❖ Rtr. Sanchita Puntambekar (Secretary)
  - ❖ Rtr. Sakshi Giri (Joint-Secretary)
- ❖ Defeat Diabetes Campaign: Highest Number of Testing
- ❖ District Avenues of Service Award
- ❖ 2nd Rank (District Point System)
- ❖ Distinctive Rotaract Club
- ❖ Palladium Distinction with Rotaract District Citation.
- ❖ Distinctive Contribution to the Rotary Foundation

### **SPORTS ACHIEVEMENTS:**

#### **Ms. Janhvi Kadu B.Sc. I:**

- ❖ Bagged 03 Gold Medals at District Level Championship held at Lucknow Uttar Pradesh.
- ❖ Secured 04 Gold Medals at Uttar Pradesh State Championship held at Uttar Pradesh.
- ❖ Selected and participated for National Championship held at Delhi.

**Mr. Vaibhav Rane B.Sc. II:**

- ❖ Selected for RTMNU University Table-Tennis Team for West Zone Table-Tennis Tournament.

**Mr Shreyas Chatte B.Sc. I:**

- ❖ Secured a Bronze Medal in Inter-Collegiate Athletics Tournament in the event 1500mts.
- ❖ Secured 5<sup>th</sup> Place in District Selection Cross-Country Race.
- ❖ Represented to Nagpur District Cross-country team in State Level Cross-Country Race held at Satara on 26<sup>th</sup> December 2021.

**✚ Teacher's & Institute's Achievements:**

- ❖ **Dr. Akhilesh Peshwe, Principal, DMPDMSC**, on Teachers' Day 5<sup>th</sup> September 2021, had being selected as the **Best Principal of the year 2021** by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur and honoured with **Dr. R. Krishnakumar Gold Medal** in recognition of services rendered by him.
- ❖ **Dr. Mrs. Archana Kulkarni, Vice-Principal and Head, Department of Microbiology** granted Patent No. 2021106927 on Invention Process for Preparation of Antimicrobial Nanoimulsion, dated 24<sup>th</sup> Aug 2021 and Patent No. 2021106936 on Invention Nanoimulsion Composition and Method of Preparation Thereof, dated 1<sup>st</sup> Dec 2021
- ❖ **Dr. Seema Ubale** worked as reviewer for research articles for Journal of Engineering Research and Reports in October & November 2021
- ❖ **Dr. Mrs. Kirti Paturkar**, Head, Department of Zoology, received Late Mama Kshirsagar Memorial "**Acharya Award**" by Sarvoday Aashram, Nagpur, in appreciation of student centric curriculum based social activities which motivates students to connect to the society.
- ❖ **Lt. Dr. Prashant Ambekar** received Best Paper Presentation Award for "Effect of Na-Glass Dispersion on Ionic and Electronic Transference in Ag<sub>2</sub>SO<sub>4</sub>", delivered in ICIRPE-2021, organized by Government College of Engineering Nagpur.
- ❖ **Lt. Dr. Prashant Ambekar** working as Member of Board of Studies under FRM Board, RTM Nagpur University.

- ❖ **Dr. Mrs. Vaishali Meshram** received most outstanding Service Award, certificate of Excellence for outstanding and extra ordinary achievements in chosen field fields of activity and services rendered to promote greater friendship and India –International Co-operation for the year 2021 Chemist and also received India’s most Dynamic Achievers award certificate of Excellence to Global Indian for outstanding performance and remarkable role in recognition of valuable contribution in promoting the honour and prestige of India to be best among the best 2021
- ❖ **Dr Mrs. Shraddha Deshpande** bagged Rotary District 3030 Award, organized by Rotary Club of Nagpur Downtown and also received ‘ELITE’ NPTEL Online Certification, Funded by the Ministry of HRD, Government of India, Course: Trauma and Literature with a score of 80%. (July-Oct 2021). She was appointed as Forum Co-convener of iSPELL Vidarbha Forum on 8th Aug 2021.
- ❖ **Dr. Mrs. Snehal Narale** received Appreciation Letter from IIT Spoken Tutorial, Bombay (NMEICT, MoE (prev. MHRD, GOI)

#### **Non-Teaching Staff Achievements: -**

- ❖ **Shri. Jitendra S. Wankhede**, Laboratory Attendant, Department of Zoology, awarded with a Certificate for his outstanding work in Revision of Voter List in 52, South-West, Nagpur on occasion of National Voters Day 25th January 2022 at the hands of R. Vimla, Collector and District Election Officer, Nagpur.



4. Number of Books Published / Edited/ Chapter/s in Books during 2021-22					
Sr. No.	Name of Teacher / Author/s	Title of book	Name of Publication	Year of Publication	ISBN No.
i.	Dr. Nitin Gaikwad	Modified Theories of Gravitations	Vidhan Publishing Company	2022	978-81-950858-9-7
ii.	Lt. Dr. Prashant Ambekar	Advanced Engineering Materials-A Complete Text Book for B.E. Semester II.	Allance & Company, Nagpur	2021	9788195177271
iii.	Dr. Mrs. Shraddha Deshpande	The Study of Role of Rotaract Clubs in granting Incentives and Rewards and Promoting Motivation with Special Reference to Mc Clelelland's Theory of Motivation.	Principal, R. S. Mundle Dharampeth Arts and Commerce College, Nagpur	2021-22	978-81-925323-1-8
iv.	Dr. Mrs. Vaishali Meshram	A Text Book of B. Sc. Semester IV	Himalaya Publishing House, Nagpur	2021	978-93-5596-714-8

5. Number of Research Papers Published during 2021-22					
Sr. No.	Name of Teacher / Author/s	Title of Research Paper	Name of Journal	Year of Publication	ISSN No.
1	Prashant Ambekar and Jasmirkaur Randhawa	Surface Conductivity of Binary Carbonate as a Performance Governing Parameter of an Electrochemical CO <sub>2</sub> Gas Sensor	Bull. Mater. Sci. (2021) 44:235	2021	10.1007/s 12034-021-02526-y
2	P. W. Ambekar, P. Y. Deshmukh, S. K. Ubale & S. B. Misra	Study Of Thermal and Electrical Properties of Aluminum Cerium Alloy with Varying Cerium Doping for High Energy Storage Battery Applications	AAI Journal, Vol. 21 pp 20-25• Issue No. 3	2021	ISSN: 2581-6055

3	Jasmirkaur Randhawa & Prashant Ambekar	Ionic and Electronic Transport Studies of Na-Glass Dispersed Ag <sub>2</sub> SO <sub>4</sub> Composite Electrolyte for Electrochemical SO <sub>2</sub> Gas Sensor Application	VIIRJ	2021	ISSN: 2319-4979
4	Prashant Ambekar, Jasmirkaur Randhawa and Kamal Singh	Charge transfer mechanism in KNbO <sub>3</sub> dispersed composites of monovalent alkali carbonate, Ferroelectrics	FERROELECTRICS	2022	DOI: 10.1080/00150193.2022.2034418
5	Dr.Shraddha Deshpande	Investigation of the Role of Goal Setting Objectives and its Outcomes among Young Learners	International Journal of English Literature and Social Sciences	2021	ISSN: 2456-7620 DOI:10.22161/ijels.64.1
6	Dr.Vaishali Jaiswal, Dr Vaishali Meshram and Dr. Pravin Meshram	SWOT Analysis of Clean Fuel Programme Initiative In India	International Journal of Researches in Biosciences, Agriculture and Technology	2022	e-ISSN 2347 - 517X 2.2394-7780
7	Dr. Vaishali Meshram	PREPARATION AND STRCUTURAL STUDIES OF SOME BIS POLYMERIC COMPLEXES	International Journal of Scientific Research in Science and Technology	2021	Print ISSN: 2395-6011   Online ISSN: 2395-602X

6. MoUs / Collaborations			
Sr. No.	Name of the institution/ industry/ corporate house with whom MoU is signed during the year	Duration	List the actual activities under each MOU and web links year-wise
NIL			

7. Activities Organized During the Session 2021-22						
Sr. No	Date of the Activity	Name of Department or Committee	Title of the Activity	Name of Collaborating Institute if any	Name of Guest Speaker / Judge/s	Name of Chief Guest if any
1	06-06-2021	Value Addition Committee	Guest Lecture on the occasion of Shiv Swaraj Din	NIL	Dr. Mrs. Shraddha Pandey, teaching faculty from Junior college, Physics Department	NIL
2	19-06-2021	Value Addition Committee	Essay Writing Competition to celebrate Reading Day	NIL	NIL	NIL
3	20-06-2021	IQAC Initiative	AICP Second Monthly National Seminar on " Students, Teachers and Institutional Outcomes (STIO) in HEI"	Association of Indian College Principals in Collaboration with Dharampeth M. P. Deo Memorial Science College, Nagpur, Dr. M. K. Umathe College, Nagpur, Bar. Sheshrao Wankhede Arts College Khaprkheda,	Key Note Speaker: Mr. Devender Kawday, Deputy Advisor NAAC, Bengaluru	Cheif Guest: Former Hon. Vice Chancellor Prof. Murlidhar Chandekar, Chairman: Dr. Vinayak Shirgurkar Chairman, Board of Trustee Association of Indian College Principals Guest of Honour: Dr. Shirish Chindhade, Principal (Retired)
4	21-06-2021	Value Addition Committee	International Yoga Day	NIL	Dr. Mrs. Shraddha Deshpande, Head, Department of English	NIL
5	03-07-2021	Training Placement and	Academy Industry Interaction	Transcender Services Pvt. Ltd	Mr.Sameer Joshi (Industry Expert, Social Entrepreneur,Founder and	NIL

		Career Guidance Cell			Chairman Transcender Services Pvt. Ltd	
6	03-07-2021	Training Placement and Career Guidance Cell	Career Guidance and Counselling Programm in Paramedics	Transcender Services Pvt. Ltd	Mr.Sameer Joshi (Industry Expert, Social Entrepreneur.Founder and Chairman Transcender Services Pvt. Ltd	NIL
7	5th July 2021 to 11th July 2021	Computer Science	One week Training Program on " The Ultimate Microsoft Office: Essential Skills to Enhance Learning Capabilities	NIL	NIL	NIL
8	06-07-2021	Rotaract Club of DMPDSVM	Installation of Club.	Rotary Club of Nagpur Downtown.	Rotary Club of Nagpur Downtown President Rtn. Rishikesh Mayee, Rotary Club of Nagpur Downtown Secratary Rtn. Abhijit Thakre	Rotary District 3030 District Governor Rtn. Ramesh Mehar
9	06-07-2021	Rotaract Club of DMPDSVM	Books and Stationery Donation Drive	Rotary Club of Nagpur Downtown	NIL	Rotary District 3030 District Governor Rtn. Ramesh Mehar
10	07-07-2021	Rotaract Club of DMPDSVM	Tree Plantation	Yashwantrao Chavan College of Engineering	NIL	NIL
11	10-07-2021	Training Placement and Career Guidance Cell	Webinar on : How to Gain Industry Driven Employability Skills	Rankskills, Pune	Mr. Chetan Thakre, CEO Rankskills, Pune	NIL
12	13-07-2021	Microbiology	Tree Plantation program (SANKALP TARU)	NIL	NIL	Mrs. Darshani Dhavad Corporator of Dabha
13	14-07-2021	Women Cell	Webinar on Paradigm shift in Gender Roles	NIL	Radhika Deshpande, Actor, Teacher, Writer, Director	NIL

14	24-07-2021	Rotaract Club of DMPDSVM	Guru-Shishya	NIL	Rotary Club of Nagpur Downtown President Rtn. Rishikesh Mayee	Rotary Club of Nagpur Downtown President Rtn. Rishikesh Mayee
15	01-08-2021	Rotaract Club of DMPDSVM	Katyawar Bhet	NIL	NIL	NIL
16	03-08-2021	Value Addition Committee	Blog Writing Competition	NIL	Dr. Mrs. Suchita Marathe, Vice Principal and Professor Smt. Binzani Mahila Mahavidyalaya, Nagpur	Varsha Rangari
17	08-08-2021	NSS	Blood Donation Camp	Hedgewar Blood Bank	NIL	NIL
18	09-08-2021	NSS	Tree Plantation	Bharat Vikas Parishad, Nagpur West Branch	NIL	Shri. Anilji Sole
19	12-08-2021	Microbiology	Creating awareness about COVID-19 vaccination among people in society. (A Survey)	NIL	NIL	NIL
20	15-08-2021	15th August Committee	Independence Day celebration	NIL	NIL	Mr Ratnakar Kekatpure ,Secretary,,Dharampeth Education Society, Nagpur
21	21-08-2021	Rotaract Club of DMPDSVM	Meme-o-Mania	Rotary Club of Nagpur Downtown	NIL	NIL
22	26-08-2021	Rotaract Club of DMPDSVM	Shutter-Up 2.O	NIL	Rotary Club of Nagpur Downtown Member Rtn. Tushar Deshpande	Dharampeth M. P. Deo Memorial Science College, Nagpur Managing Committee Member Shri. Vinod Joshi

23	28-08-2021	Home Science	Preparing of Home-Made Hand Wash	NIL	NIL	NIL
24	07-09-2021	Rotaract Club of DMPDSVM	Nutrition Week Awareness Drive	NIL	NIL	NIL
25	8th and 9th September 2021	Physics	Plastic Recycling Workshop	NIL	NIL	NIL
26	11-09-2021	Value Addition Committee	Guest Lecture to celebrate Digvijay Din	NIL	Mrs. Ashwini Shiledar	NIL
27	14-09-2021	Rotaract Club of DMPDSVM	Visit RAC. JIT Ganpati	RAC. JIT	NIL	NIL
28	20th to 29th September 2021	IQAC Initiative	8 Day National Level Faculty Development-cum-Orientation Programme on "Assessment and Accreditation Process of NAAC",	Santaji Mahavidyalaya, Nagpur, Yashoda Girls' Arts & Commerce College, Nagpur, J. M. Patel Arts, Commerce & Science College, Bhandara, Mahila Mahavidyalaya, Nagpur, Dr. M. K. Umathe College, Nagpur, Bar. Sheshrao Wankhede College of Arts & Commerce, Khaperkheda	Day 1: Dr. Shrihari Pingle, Day 2: Dr. Ajay Gor, Day 3: Dr. Swati Day 4: Dr. Leena Gahane, Day 5: Dr. Manjunatha Rao L Day 6: Dr. Jyoti P. Patil Day 7: Dr. B. S. Ponnudiraj, Day 8: Dr. Piyush Pahade	
29	23-09-2021	Rotaract Club of DMPDSVM	Reels With Bappa	Rotary Club of Nagpur Downtown	NIL	NIL
30	23-09-2021	CASH Committee (Anti sexual Harassment)	Objectives of ICC in HEI's	NIL	Dr. Shilpa Puranik, H.OD Tirpude college of Social Work	NIL
31	25-09-2021	Rotaract Club of DMPDSVM	Rotary Club of Nagpur Downtown OCV	Rotary Club of Nagpur Downtown	NIL	Rotary District 3030 DG Rtn. Ramesh Meher

						and Collector Smt. R. Vimla IAS
32	26-09-2021	Microbiology	NEERI Visit on Open Day at NEERI	NIL	NIL	NIL
33	28-09-2021	Microbiology	Online webinar on zoom platform STRESS MANAGEMENT IN COVID-PANDEMIC	Arts of living	Mrs. Rashmi Belgamwar & Mr. Abhishek Bhatiya	Vice Principal and Head Microbiology Dr. Mrs. A. S. Kulkarni
34	29-09-2021	Rotaract Club of DMPDSVM	Diabetes Detection Camp	ROTARY CLUB OF NAGPUR DOWNTOWN	NIL	NIL
35	02-10-2021	Value Addition Committee	Celebration of Mahatma Gandhi Jayanti	NIL	NIL	NIL
36	04-10-2021 to 11-10-2021	Induction Programme Committee	Induction Program	NIL	NIL	NIL
37	05-10-2021	Botany	Tree plantation	NIL	NIL	Dr. Sanjay Thakre, JD, Nagpur Region
38	11-10-2021	Computer Science	IIT spoken tutorial Training Program	NIL	NIL	NIL
39	11-10-2021	Rotaract Club of DMPDSVM	Navratri Meet	NIL	NIL	NIL
40	12-10-2021	Rotaract Club of DMPDSVM	Avyanna	Rotary Club of Nagpur Downtown	Rotary Club of Nagpur Downtown President Elect Rtn. Dr. Vikash Ingle	Rotary Club of Nagpur Downtown President Rtn. Dr. Rishikesh Mayee and Rotary Club of Nagpur Downtown

						Secretary Rtn. Abhijit Thakre
41	14-10-2021	Rotaract Club of DMPDSVM	Vaccination Drive	Rotary Club of Nagpur Downtown.	NIL	NIL
42	14th to 16th Oct., 2021	Students Development Cell	Students Parliament Selection	RTM Nagpur University	NIL	NIL
43	21-10-2021	NSS	Webinar on FOOD-PLANET- HEALTH	Vegan Outreach	Mrs. Komal Tehlan, Coordinator, Vegan Outreach	NIL
44	25-10-2021	NSS	Vaccination Drive on campus organized in association with NMC	Nagpur Municipal Corporation, Nagpur	NIL	NIL
45	28-10-2021	Home Science	Project Melghat: Distribution of garment prepared by students & old worn-out clothes to people & children of Melghat	NIL	NIL	NIL
46	13, 14,18,22,29/ 10/2021	Microbiology	Bridge course	NIL	NIL	NIL
47	15-11-2021	NSS and Student Development Cell	New Voters Registration Program	Sub-Divisional Office, Nagpur	Shri. Shekhar Ghadge, Sub- Divisional Officer	NIL
48	20-11-2021	IQAC Initiative	Golden Jubilee Science Lecture Series: A Webinar and Virtual Interface on "Opportunities and Challenges in Science Education".	NIL	Prof. N. C. Shivaprakash, Department of Instrumentation, Indian Institute of Science, Bangalore.	NIL
49	21-11-2021	Home Science	Mask Making	NIL	NIL	NIL



50	24/11/21 to 30 11/21	English	Bridge Course in English (Preposition)	NIL	NIL	NIL
51	01-12-2021	Training Placement and Career Guidance Cell	Visit to Horiba India Private Limited (HITI), Horiba India Technical Institute	Horiba India Private Limited (HITI), Horiba India Technical Institute	Dr Ruzbeh K Mowdawala	NIL
52	03-12-2021	Value Addition Committee	World Disability Day	NIL	NIL	NIL
53	03-12-2021	Home Science & Women's Cell	Kanyaka: A Journey of Creating Mindfulness	Meghna Pandit	Dr. Anuradha Ridhorkar, Senior Consultant Gynaecologist at Ridhorkar Hospital and Kingsway Hospital	Meghna Pandit
54	06-12-2021	Training Placement and Career Guidance Cell	Placement Drive by Copy Pro	Copypro Technologies Pvt Ltd, Plot No 80, Madhav Nagar, Behind J P Chamers, Nagpur - 440010.	NIL	NIL
55	06-12-2021	Computer Science	One Day Workshop on Writing Scientific Research Article/Paper	NIL	NIL	NIL
56	07-12-2021	Chemistry and Microbiology	Webinar on the theme: Biotechnological advancement in extraction and optimization of enzymatic process in Biodiesel production with special reference to its biochemistry.	NIL	Dr. Chetan Sayankar Managing Director & CEO of S-Cube mass transfer Pvt. Ltd. Pune	NIL
57	08/12/21 TO 10/12/21	Training Placement and Career Guidance Cell	Three Days Camp of Horiba India Private Limited (Hiti) , Horiba India Technical Institute	Horiba India Private Limited (Hiti) , Horiba India Technical Institute	NIL	NIL

58	14-12-2021	Chemistry	Chemical Society Alchemy Inauguration and installation	NIL	Mr. Sayankar	Mr Sayankar
59	15th and 16th December 2021	Physics	Plastic Recycling Workshop	NIL	NIL	NIL
60	15-12-2021	Rotaract Club of DMPDSVM	Raddi-se-Rojgaar (Newspaper Donation Drive)	Library Department of DMPDSVM and Malhar Foundation	NIL	NIL
61	18/12/2021 to 25 /01/2022	English	English Literature Gateway	NIL	NIL	NIL
62	18-12-2021	Computer Science	E Poster Competition	NIL	NIL	NIL
63	20-12-2021	Rotaract Club of DMPDSVM	Membership Drive	NIL	NIL	NIL
64	21-12-2021	Zoology	Installation of Zoological society and Guest Lecture	NIL	Ms. Kalpana Chinchkhede Asst. Conservator of Forest	Dr. Akhilesh Peshwe
65	21-12-2021	Zoology	Installation of artificial bird nests in the college campus	NIL	NIL	NIL
66	24-12-2021	Rotaract Club of DMPDSVM	Mai Bhi Santa	Rotary Club of Nagpur Downtown.	NIL	Rotaract District 3030 District Rotaract Join Secretary Rtr. Saloni Bagwani
67	29-12-2021	Rotaract Club of DMPDSVM	Food and Clothes Donation Drive	Rotary Club of Nagpur Downtown	NIL	Rotaract District 3030 Assistant District Rotaract Representative Rtr. Krishna Singh

68	31-12-2021	Rotaract Club of DMPDSVM	Blanket and Toy Donation Drive	Rotary Club of Nagpur Downtown	NIL	NIL
69	02-01-2022	Rotaract Club of DMPDSVM	Rotary Youth Leadership Award	Rotary Club of Nagpur Downtown	Past President Rtn. Samir Bendre and Prof. Vivek Nanoti	PDG. Rtn. Vishwas Sahasrabhojnee
70	04/01/2022 To 06/01/2022	Rotaract Club of DMPDSVM	KauSalya (Students Development Program)	YCCE College, GNIET College, NFSC College, JDCOEM College, KDK College and PIBM Pune	Mr. Niteesh Shrivastava, Miss. Fatema Abbas and Dr. Prasenjit Mukherjee	NIL
71	8th January and 10th January 2022	Computer Science	IIT Spoken Tutorial Final Online Examination for Sem I	IIT Spoken Tutorial, Bombay	NIL	NIL
72	11-01-2022	Training Placement and Career Guidance Cell	A Webinar on "Skill up with Expertrons: Get the job you want"	EXPERTRONS	Dr.Rohit Reddy - Head , Training and Development (Speaker) from EXPERTRONS	NIL
73	12-01-2022	Value Addition Committee	Celebration of Swami Vivekananda Birthday	NIL	NIL	NIL
74	13/01/2022 to 25 /01/2022	English	English Language Junction	NIL	NIL	NIL
75	13-01-2022	Training Placement and Career Guidance Cell	Placement Drive by Suntria Energy	Suntria Energy	Abhinav Kondawar, Suntria Energy, Nagpur	NIL
76	19/01/2022 to 22/01/2022	Home Science	Four Days E Webinar Series	NIL	Mrs Jayashree Pendharkar. Dr Pallavi Tupkar.Ms Disha Rukhaniya	Prachi Chitre.Dr Lanjewar Sir, Dr Archna kulkarni .
77	22-01-2022	Value Addition Committee	Guest Lecture organized to commemorate the birth	Bhartiya Sikshan Mandal, Nagpur	Dr. Amitava Chatterji, Professor, Department of History, Kazi Nazrul	NIL

			anniversary of Late. Shri. Subhash Chandra Bose.		University, Asansol, West Bengal	
78	26-01-2022	26th Jan 2022	Republic Day Celebration	NIL	NIL	Mr. Sanjeev Deshpande; Vice President of DES , Nagpur
79	27/01/2022 to 29/01/2022	Microbiology	Three Days Webinar Lecture Series	NIL	Dr. Kirti Dube Sevalal Mahila Mahavidyalaya Dr. Seema Nimbarte Sevalal Mahila Mahavidyalaya Dr. Vaishali Pimple, Virohan Health care Institute	NIL
80	28-01-2022	Training Placement and Career Guidance Cell	Skills Development Program for Final Year Students of Graduation In Collaboration With The Kotak Life	KOTAK Life	Mr. Shashikant Surangalikal, Senior Agency Associate, with KOTAK Life	NIL
81	29-01-2022	Computer Science	One day webinar on The Essence of Cloud Technology & Information Security and Opportunities for Graduate	Department of Robotics and Cloud Technology, RTMNU	Mr. Anil Tatode	NIL
82	01-02-2022	Training Placement and Career Guidance Cell	A Webinar on Grooming and Nurturing students for IT Placements (overview on TCS Ignite - TCS' unique 'Science to Software' Program).	TCS, Nagpur	Mr Suresh Sathiavageeswaran, HR Head TCS Ignite.	NIL
83	04-02-2022	Statistics	Guest Lecture on 'Importance of Statistics in different fields and Careers in Statistics'	NIL	Dr. Ms. K. S. Bhanu	Dr. Mrs. A. V. Nasery

84	05-02-2022	IQAC Initiative	Golden Jubilee Science Lecture Series: Webinar and a Virtual Interface on "Conservation of Rivers, Research Opportunities, Role of Stakeholders and the future of the Nation"	NIL	Hon'ble Dr. Shekhar C. Mande, Director General, Council of Scientific & Industrial Research Ministry of Science and Technology, Govt. of India	NIL
85	14-02-2022	Computer Science	One Day Webinar on Future of Careers in India Digital Economy	NIL	Mr. Aniket Pingle	NIL
86	16/02/2022 to 16/5/2022(3 months course)	ED Cell	Phlebotomy (a certificate course)	iTransform	NIL	NIL
87	19-02-2022	Computer Science	Talent Development Program	Shivaji Science College, SFS College, Hislop College, ICC RTMNU Campus.	Mr. Harish Taori and Mr.Mahindra Tiwari	NIL
88	From 21/02/2022 To 22/02/2022	Rotaract Club of DMPDSVM	Free Health Check-Up Camp at Pench	Rotary Club of Nagpur Downtown and Kingsway Hospital	NIL	NIL
89	21-02-2022	Rotaract Club of DMPDSVM	Calibrating Shivaji Jayanti at Pench	Rotary Club of Nagpur Downtown	NIL	NIL
90	22nd February, 2nd March, 11th March	Statistics	Guest lectures	NIL	Dr. Mrs. A. V. Nasery	NIL
91	22-02-2022	Computer Science	A Guest lecture For B.Sc.Sem IV on GUI in LINUX and managing Disk Space	NIL	Dr. Shweta Barhate	NIL

92	23-02-2022	Physics and Statistics	Visit to Science Exhibition	Vidnyan Bharati	NIL	NIL
93	26-02-2022	Microbiology	Vidnyayna Sarvatra Pujyate SCIENCE EXHIBITION at VNIT, Nagpur	VNIT, Nagpur	NIL	NIL
94	26-02-2022	Computer Science	Vidnyayna Sarvatra Pujyate SCIENCE EXHIBITION at VNIT, Nagpur	NIL	NIL	NIL
95	28-02-2022	Microbiology and Computer Science.	Intercollegiate Video Making Competition	NIL	NIL	Dr. Arti Shanware. Director, Rajiv Gandhi Biotechnology Centre, RTM Nagpur University Nagpur.
96	03-03-2022	Statistics	Workshop for students on account of Diamond Jubilee of our Independence.	National Statistical Office, Nagpur	NIL	NIL
97	06-03-2022	Home Science	Visit by Damini Patrol to guide the girl students of Home Science	Police Department, Bharosa Nagpur	Police lady inspector	NIL
98	08-03-2022	Rotaract Club of DMPDSVM	Women's Day Celebration	Women's cell & Malhar Foundation	NIL	Dr. Sadhana Rayalu, Deputy Director and Chief Scientist at EMD Division Nagpur National Environmental Engineering Research Institute (NEERI) Nagpur, Maharashtra, India.

99	08-03-2022	Women Cell	Guest Lecture on International Women's Day	NIL	Dr. Sadhana Rayalu, Deputy Director and Chief Scientist at EMD Division, NEERI, Nagpur,	NIL
100	09-03-2022	Statistics	Online lecture on "Inferential Statistics and its application"	NIL	Dr. Mrs. Vrinda Jogalekar	NIL
101	12-03-2022	Botany	Floristic Survey in Ambazari Area	NIL	NIL	NIL
102	13-03-2022	Rotaract Club of DMPDSVM	Blood Donation Camp	Rotaract District 3030 Mahadan 7.0 Committee	NIL	NIL
103	15-03-2022	Home Science	Chiwada Making Competition to enhance local and regional recipes of Vidarbha	NIL	Dr Vaishali Meshram Dr Archana Kulkarni Ms Nikita Dawande Ms Rubi Mishra	NIL
104	16-03-2022	Home Science	Kitchen Garden Activity	NIL	NIL	NIL
105	20-03-2022	Rotaract Club of DMPDSVM	FELLOWISTA	Rotary Club of Nagpur Downtown	Rotary Club of Nagpur Downtown President Rtn. Rishikesh Mayee, Rotary Club of Nagpur Downtown Director of New Generation Rtn. Renuka Chakradeo	District Rotaract Representative Elect Rtr. Samsul Ahmed
106	21-03-2022	Computer Science	One Day Workshop on Scripting and Markup Languages	NIL	NIL	NIL
107	23-03-2022	Home Science	Transition: Building EQ	AHA & AACCI	Dr Prajakta Kaduskar	Dr Patil
108	23-03-2022	Home Science	Lecture on Individual counselling	NIL	Dr Mrs Prajakta Kaduskar	NIL
109	26-03-2022	Home Science	Motivational Lecture On Extension Education	L.A.D. College	Dr. Tehseen Choudhary	Dr. Archana Kulkarni Madam (Vice

						Principal, Dharampeth College)
110	27-03-2022	Rotaract Club of DMPDSVM	Rotaract Sports Day	RAC. RCOEM & PCE College	NIL	NIL
111	29th to 31st March, 2022	NSS	NSS Special Camp	NIL	NIL	NIL
112	01-04-2022	English	Writing Stories from Given Outline	NIL	NIL	NIL
113	06-04-2022	Home Science	Nutrition Assessment & Education Programme	Pitale Shastri School, Laxmi Nagar, Nagpur	Meghna Pandit	Meghna Pandit
114	07-04-2022	Zoology	Blood Group Detection Camp organised by zoology students for other students	NIL	NIL	NIL
115	07-04-2022	Zoology	Sickle Cell Anemia Detection Camp	Sickle Association, Nagpur	NIL	NIL
116	07-04-2022	Home Science	Poster Competition on the occasion of World Health Day	NIL	Dr Vaishali Meshram Dr Mrs Archana Kulkarni	Mrs Manju Deshpande
117	07-04-2022 to 08-04-2022	Cultural Committee	Annual Cultural Event 2022 "URJA 2022"	NIL	NIL	NIL
118	08-04-2022	Chemistry	Industrial Visit	CETP	Mr. Pankaj Bhalerao	NIL
119	09-04-2022	Parent Teacher Committee	Online Parent Teacher Meeting	NIL	NIL	NIL



120	10-04-2022	Rotaract Club of DMPDSVM	Walk for Health	Rotary Club of Nagpur Downtown	NIL	NIL
121	10-04-2022	ED Cell	PARAMEDIC CONCLAVE Avenues in health care sector and carrier opportunities	iTransform	Dr. Rajkumar Khandelwal (King'sway Hospital), Dr. Rajan Welukar, Mr. Sameer Joshi, Dr. Akhilesh Peshwe	Mrs. Manisha Verma, Principal Secretary, Skill Development, Employment and Entrepreneurship, GOM
122	11-04-2022	Zoology	Workshop on dragonfly capturing and identification of species and guest lecture on diversity of butterflies in Vidarbha region	NIL	Dr. Ashish Tiple	NIL
123	13-04-2022	Home Science	Workshop On Extension Teaching Aids	Home Science Department	NIL	NIL
124	13-04-2022 To 16-04-2022	Rotaract Club of DMPDSVM	Letterhead, Flag & Cultural kit Exchange	Rotaract District 3030	NIL	NIL
125	13-04-2022 To 16-04-2022	Rotaract Club of DMPDSVM	District Conference	Rotaract of Bhusawal Taktiwali	PDG Rtn. Jorson Fernandes	Seric MDIO President Kaushal Sahu
126	16/04/2022 and 20/04/2022	Microbiology	Class Seminar	NIL	Students of Department of Microbiology	NIL
127	18-04-2022	Training Placement and Career Guidance Cell	Placement Drive ICICI BANK	NIIT IFBI and ICICI BANK	Neha Sukhnani For NIIT IFBI	NIL

128	18-04-2022	Training Placement and Career Guidance Cell	Counselling Session on Placement Drives	NIL	Dr. Shraddha Deshpande, Head of the Department, English	NIL
129	19-04-2022	Microbiology	workshop on PCR technique and Bio fertilizer production technology	with Rajiv Gandhi Biotechnology Centre RTM Nagpur University	Dr. Arti Shanware, Director, Rajiv Gandhi Biotechnology Centre RTM Nagpur university	NIL
130	22-04-2022	Zoology	Inauguration of Fresh Water Fish Culturing	NIL	NIL	NIL
131	22-04-2022	Chemistry	Poster competition on the Eve of Earth Day	NIL	Dr Ratiram Chaudhary	Dr Ratiram Chaudhary
132	26-04-2022	Zoology	Workshop On Nutritional Waste Management	NIL	Mr Raj Madankar	NIL
133	27th to 28th April 2022	Computer Science	IIT Spoken Tutorial Final Online Examination For Sem II	IIT Spoken Tutorials, Bombay	NIL	NIL
134	30-04-2022	English	Scrap Book Making	NIL	NIL	NIL
135	02/05/2022 (onwards (one month))	Microbiology	Internship	VNIT Head Department of Chemical Engineering Dr. Sachin Mandavgane.	NIL	NIL
136	03-05-2022	Rotaract Club of DMPDSVM	OCV (Official Club Visit) / Charter Day Celebration	Rotary Club of Nagpur Downtown	Rotaract District 3030 District Rotaract Representative Lokesh Kansal	Rotary District 3030 Assistant Governor Rtn. Virendra Patrikar

137	07-05-2022	English	Publicity Handout and Advertisement Design Competition	NIL	NIL	NIL
138	19-05-2022	Rotaract Club of DMPDSVM	Discussion On National Youth Polices Drft 2021	Yashwant Rao Chavan Centre, Nagpur	Rahul Pande	Aniket Amte
139	23-05-2022	Home Science	Transition: Life skills in Adolescence- Building EQ	AACCI & IAHA Nagpur Chapter with its associated members	Dr Prajakta Kaduskar, Psychologist	NIL
140	28-05-2022	Training Placement and Career Guidance Cell	Placement Drive by Gigakin Solutions, Nagpur.	Gigakin Solutions, Nagpur	Abhijit Thakre, Gigakin Solutions, Nagpur	NIL
141	30-05-2022	IQAC Initiative	One Day Faculty Development Program on "Professional Ethics for Teaching and Non-Teaching Staff."	Internal Quality Assurance Cells (IQACs) of Six Cluster Colleges	Mr. Anirudha Mirikar, Director, Sampada Entrepreneurship & Livelihoods Foundation, Post Graduate School, Dr Punjabrao Deshmukh Krishi Vidyapeeth, Ahmednagar.	NIL
142	05/06/2021 to 30/06/2021	Chemistry	Training Program for Office Staff	NIL	NIL	Mr. Gadre

8. Seminars / Conferences / Workshops / FDPs attended & Lectures Delivered						
Sr. No.	Name of Faculty	Designation	Department	Number of seminars / Conferences / Workshops attended	Number of FDPs Attended	Number of Guest Lectures Delivered
i.	Dr. Akhilesh Peshwe	Principal	English	-	-	-
ii.	Dr. Mrs. Archana Kulkarni	Vice-Principal	Microbiology	04	01	-
iii.	Prof. Ratnakar Lanjewar	Professor	Chemistry	-	-	-
v.	Prof. Mrs. Seema Ubale	Professor	Physics	-	01	-
vi.	Mrs. Manju Deshpande	Associate Professor	Home Science	01	01	-
vii.	Dr. Mrs. Vidya Kathoke	Associate Professor	Microbiology	01	01	-
x.	Dr. Pitambar Humane	Professor	Botany	01	01	04
xi.	Lt. Dr. Prashant Ambekar	Assistant Professor	Physics	04	01	-
xii.	Dr. Mrs. Vaishali Meshram	Associate Professor	Chemistry	07	05	01
xiii.	Dr. Mrs. Shraddha Deshpande	Assistant professor	English	02	01	07
xiv.	Dr. Nitin Gaikwad	Associate professor	Mathematics	01	-	-
xv.	Dr. Mrs. Varsha Rangari	Professor	Electronics	-	-	-
xvi.	Dr. Mrs. Kirti Paturkar	Assistant Professor	Zoology	03	-	-
xvii.	Dr. Mrs. Snehal Narale	Assistant Professor (Ad-hoc)	Computer Science	05	03	01
xviii.	Mr. Roshan Thakre	Assistant Professor (Ad-hoc)	Mathematics	-	-	-

9a. Result Analysis 2021-22										
WINTER-2021										
Sr. No.	Class	Number of students appeared			Passed	Failed	I Division	II Division	III Division	Merit
		Male	Female	Total						
i.	B. Sc. Sem.-I	115	141	256	229	27	200	29	Nil	-
ii.	B. Sc. Sem.-III	105	133	238	233	05	202	31	Nil	-
iii.	B. Sc. Sem.-V	123	157	280	272	08	257	15	Nil	-
iv.	B. Sc. (H. Sc.) Sem.-I	-	26	26	26	Nil	21	05	Nil	-
v.	B. Sc. (H. Sc.) Sem.-III	-	18	18	18	Nil	15	03	Nil	-
vi.	B. Sc. (H. Sc.) Sem.-V	-	42	42	41	01	31	10	Nil	-
vii.	M. Sc. (Maths) Sem.-I	6	12	18					Nil	-
viii.	M. Sc. (Maths) Sem.-III	6	17	23	22	01	04	18	Nil	-
	<b>TOTAL</b>	<b>355</b>	<b>546</b>	<b>901</b>	<b>841</b>	<b>42</b>	<b>730</b>	<b>111</b>	Nil	-
	<b>Percentage (%)</b>				<b>95.24</b>	<b>4.75</b>	<b>82.67</b>	<b>12.57</b>	Nil	-

9b. Result Analysis 2021-22										
SUMMER-2022										
Sr. No.	Class	Number of students appeared			Passed	Failed	I Division	II Division	III Division	Merit
		Male	Female	Total						
i.	B. Sc. Sem.-II	115	141	256	219	36	144	75	Nil	-
ii.	B. Sc. Sem.-IV	105	133	238	228	10	175	53	Nil	-
iii.	B. Sc. Sem.-VI	123	157	280	269	11	266	03	Nil	-
iv.	B. Sc. (H. Sc.) Sem.-II	-	26	26	16	10	16	Nil	Nil	-
v.	B. Sc. (H. Sc.) Sem.-IV	-	18	18	16	02	16	Nil	Nil	-
vi.	B. Sc. (H. Sc.) Sem.-VI	-	42	42	37	04	37	Nil	Nil	-
vii.	M. Sc. (Maths) Sem.-II	6	12	18	17	00	17	Nil	Nil	-
viii.	M. Sc. (Maths) Sem.-IV	6	17	23	23	00	20	3	Nil	-
	<b>TOTAL</b>	<b>355</b>	<b>546</b>	<b>901</b>	<b>825</b>	<b>73</b>	<b>691</b>	<b>134</b>	Nil	-
	<b>Percentage (%)</b>				<b>91.56</b>	<b>8.10</b>	<b>76.69</b>	<b>14.87</b>	Nil	-

10a. Subject-wise Result Analysis 2021-22									
Sr. No.	Subject	B. Sc. PART-I							
		Semester-I				Semester-II			
		Due	Appeared	Passed	%	Due	Appeared	Passed	%
i.	Botany	65	65	43	66.15	64	64	58	90.62
ii.	Chemistry	176	172	167	97.00	175	175	155	88.57
iii.	Com. Sci.	67	67	67	100.00	67	67	61	91.04
iv.	Electronics	31	31	31	100.00	31	31	26	83.87
v.	English	256	237	230	97.00	255	255	236	92.54
vi.	Hindi	118	114	113	99.10	116	116	106	91.38
vii.	Home Science	26	26	26	100.00	26	26	16	61.54
viii.	Marathi	92	90	86	95.50	91	91	86	94.51
ix.	Mathematics	148	147	144	97.29	146	146	134	91.78
x.	Microbiology	71	71	71	100.00	71	71	68	95.77
xi.	Physics	106	106	93	89.42	103	103	91	88.35
xii.	Sanskrit	4	4	4	100.00	4	4	4	100.00
xiii.	Statistics	24	24	22	92.00	25	25	19	76.00
xiv.	Supp. English	44	43	43	100.00	40	40	36	90.91
xv.	Zoology	87	82	82	100.00	84	84	75	89.28

10b. Subject-wise Result Analysis 2021-22									
Sr. No.	Subject	B. Sc. PART-II							
		Semester-III				Semester-IV			
		Due	Appeared	Passed	%	Due	Appeared	Passed	%
i.	Botany	59	59	57	96.61	59	59	58	98.30
ii.	Chemistry	155	155	152	98.06	157	154	150	97.40
iii.	Com. Sci.	60	60	60	100.00	60	60	60	100.00
iv.	Electronics	35	35	34	97.00	35	34	33	97.00
v.	Home Science	18	18	18	100.00	18	16	16	100.00

vi.	Mathematics	149	149	149	100.00	149	149	148	99.32
vii.	Microbiology	55	55	54	98.78	54	54	54	100.00
viii.	Physics	108	108	107	99.00	106	106	102	96.36
ix.	Statistics	28	28	28	100.00	28	28	28	100.00
xv.	Zoology	67	66	63	95.45	65	65	65	100.00

10c. Subject-wise Result Analysis 2020-21									
B. Sc. PART-III									
Sr. No.	Subject	Semester-V				Semester-VI			
		Due	Appeared	Passed	%	Due	Appeared	Passed	%
i.	Botany	69	69	68	98.55	69	69	67	97.10
ii.	Chemistry	182	181	181	100.00	184	181	181	100.00
iii.	Com. Sci.	69	69	69	100.00	69	69	66	95.65
iv.	Electronics	38	37	33	89.00	38	37	34	91.00
v.	Home Science	42	41	41	100.00	42	41	37	90.24
vi.	Mathematics	166	166	166	100.00	166	164	162	98.72
vii.	Microbiology	71	71	70	98.57	70	70	67	95.71
viii.	Physics	126	126	123	97.62	127	127	125	98.43
ix.	Statistics	31	31	31	100.00	31	31	31	100.00
xv.	Zoology	85	85	85	100.00	85	84	83	98.80

10d. Subject-wise Result Analysis 2020-21									
M. Sc. PART-I									
Sr. No.	Subject	Semester-I				Semester-II			
		Due	Appeared	Passed	%	Due	Appeared	Passed	%
i.	Mathematics	18	18	18	100	18	18	17	94.40
M. Sc. PART-II									
Sr. No.	Subject	Semester-III				Semester-IV			
		Due	Appeared	Passed	%	Due	Appeared	Passed	%
ii.	Mathematics	23	23	23	100.00	23	23	23	100.00

## Department of Botany Annual Report (2021-22)

1. **Name of the department** : Botany
2. **Year of Establishment** : 1970
3. **Names of Programmes / Courses offered** : **Certificates Course/s: Nil**  
(Certificate, UG, PG, M.Phil., Ph.D.,  
Integrated Masters; Integrated Ph.D., etc.) **UG: B. Sc.**  
**PG: Nil**
4. **Names of Interdisciplinary courses and the departments/units involved**
  - i) Chemistry Botany Zoology (CBZ)
  - ii) Chemistry Botany Microbiology (CBM)
  - iii) Ecology and environment for B. Sc. (Home Science), Sem.-I & II
5. **Names of Certificate Courses if any:** Nil
6. **Collaborations / MoUs if any:** Nil
7. **Programme wise Annual/ semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B. Sc	-	Yes	-
2.	M. Sc.	-	-	-
3.	Certificate Courses	-	-	-

### 8. Number of Teaching posts:

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-
2.	Associate Professor	-	-
3.	Assistant Professor	04	01

### 9. Teaching Faculty:



Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Dr. P. T. Humane	M. Sc., Ph.D., NET	Professor	16.06.2003	19 years
2.	Mrs. Amol Pimpalshende	M. Sc., NET	CHB, Approved by RTMNU	2021-22	NA
3.	Dr. Chandra Kumar Patle	M. Sc., Ph.D., SET	CHB, Approved by RTMNU	2021-22	NA
4.	Dr. Mrs. Reshma Hiwase	M. Sc., Ph.D.	CHB, Approved by RTMNU	2021-22	NA
5.	Dr. Mrs. Shalini	M. Sc., Ph.D.	CHB, Approved by RTMNU	2021-22	NA
6.	Dr. Mrs. Sweta Rai	M. Sc., Ph.D.	CHB, Approved by RTMNU	2021-22	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2020-21	
		Sanctioned	Filled
1.	Lab. Assistant	01	-
2.	Lab. Attendant	02	02

**11. Number of activities organized: 02**

- 1) Tree Plantation on 5<sup>th</sup> October, 2022 at the hands of Dr. Sanjay Thakre, Joint Director, Department of Higher Education, Nagpur Region, Nagpur.
- 2) Field visit to Ambazari with final year students to study floristic biodiversity on 12<sup>th</sup> March, 2022

**12. Infrastructural Facilities:**

**I. Laboratory:**

- i) Spacious & well-furnished laboratory with 25 seating capacity, well equipped with the instruments and or equipment like, laminar airflow hood, centrifuge, calorimeter, autoclave, soxhlet apparatus, plant physiology apparatus, ecology apparatus, microscopes (dissecting, monocular, binocular, compound, projector, etc.)

- ii) Mushroom cultivation room

**II. Museum:**

- i) Well maintained museum with over 500 specimens, from algae, fungi, bryophyta, pteridophyte, gymnosperms and angiosperms.
- ii) Also, it is with the seating arrangement for the students to complete their practical records and to take their lunch.

**III. Botanical Garden:**

- i) Provided with variety of cultivated plants and the plants useful in UG practical in the subject.
- ii) Also, medicinal plants and aquatic plants are cultivated for practical purpose.

**IV. Herbarium:**

- i) Well maintained herbarium with over 3000 plant specimens stored in pigeon hole almirah useful for the students of UG, PG with botany as one of the subjects.
- ii) Also, it is useful in research in angiosperm taxonomy, pharmacognosy and other related plant sciences.

**V. Library:**

- i) The separate departmental library with over 400 books, journals, e-books, floras, thesis, etc. In addition to the departmental library.
- ii) The library for competitive examinations contains 600 over books is also there in the department developed under UGC's scheme 'Entry in Services'

**VI. ICT facilities:**

- i) Computer with internet facilities, Wi-Fi, projector, etc. also, use of personal laptops and mobiles as ICT tools in teaching learning practices

**VII. E-books:**

- i) More than 125 free downloaded e-books are available with the department useful for UG, PG and even in the research as test and reference books.

**VIII. Staff rooms:**

- i) Well-furnished and Separate seating arrangement for teaching and non-teaching staff which includes HOD Cabin, Teachers room with seating arrangement for technical staff of the department.

**13. Online Teaching assistance:**

- a) **Google meet:** Yes
- b) **Google forms:** Yes

- c) **Zoom platform:** Yes
- d) **Microsoft team:** Yes
- e) **YouTube channel link:** [BOTANY 4U - YouTube](#)
- f) **Number of videos / lectures available on YouTube channel:** 335

#### 14. Faculty Profile:

**Dr. Pitambar Humane**, Associate Professor & Head of the Department

- i) **Research Papers Published:** Nil
- ii) **Research Papers Presented:** Nil
- iii) **Books Published/ Edited:** Nil
- iv) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- v) **Guest Lectures Delivered:** 04
  - 1) Delivered a Guest Lecture organized by KDK College of Engineering, Nagpur on Occasion of World Environment Day, on **5<sup>th</sup> June, 2021** on “Importance of Environmental Science in Education”
  - 2) Delivered a lecture as Resource Person in Fifth Faculty Induction Program (FDP) organized by UGC-HRDC, Dr. Harisingh Gour Sagar University, Sagar (MP) on **1<sup>st</sup> September, 2021** on “ICT Tools in Teaching Learning: Corel Draw”.
  - 3) Delivered a lecture as Guest Speaker in One Day National Seminar on “Conservation of Biodiversity for Carbon Free World” to celebrate World Habitat Day, organized by Department of Botany, Anand Niketan College, Anandwan, Warora on **4<sup>th</sup> October, 2021**.
  - 4) Delivered a lecture as Resource Person in Fifth Faculty Induction Program (FDP) organized by UGC-HRDC, Dr. Harisingh Gour Sagar University, Sagar (MP) on **21<sup>st</sup> October, 2021** on “ICT Tools in Teaching Learning: Corel Draw”.
- vi) **Seminars / Conferences / Workshops attended:** 01
  - 1) Participated in one-day national level e-seminar on ‘Importance of Environmental Education for Sustainable Development IIEESD-2020) organized by Department of Botany, Arts, Commerce and Science College, Arvi, Dist. Wardha in association with Cluster of Thirteen College (COTI) on **4<sup>th</sup> February, 2022**.
- vii) **FDP attended:** 01
  - 1) Participated in National Level Faculty Development-cum-Orientation Programme on “Assessment and Accreditation Process of NAAC Jointly organized by IQACs of Dharampeth M. P. Deo Memorial Science College, Nagpur and Six Cluster Colleges on **20<sup>th</sup> to 27<sup>th</sup> Sept., 2021**.
- viii) **Awards / Recognitions received:** Nil

**Mr. Amol Pimpalshende**, CHB approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Research Papers Presented:** Nil
- iii) **Books Published/ Edited:** Nil

**iv) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): 16**

**v) Guest Lectures Delivered: Nil**

**vi) Seminars / Conferences / Workshops attended: 08**

- 1) Participated in Webinar on Cultivation of **Bamboos along with endemic plants**, organized by Sahyadri Sankalp Society, Srustidyan and Athalye- Sapre-Pitre College Devrukh, (M.S), on dated 19<sup>th</sup> **Sept. 2021**.
- 2) Participated in One Day International Webinar on **“Steps Towards Environmental Sustainability”** Organized by Department of Botany, Saint Francis De Sales College, Nagpur on Dated **25<sup>th</sup> Sept. 2021**.
- 3) Participated in Webinar on **Snake and Scorpion Bites: Symptoms, Prrecaution and Primary Aids** Organized by Sahyadri Sankalp Society, Srustidyan and Athalye- Sapre-Pitre College Devrukh, M.S, on dated **3<sup>rd</sup> Oct 2021**.
- 4) Participated in National Webinar on topics **“Ways of Modern Agriculture”** Organized by Department of Botany and Unnat Bharat Anhiyan of Shri Govindrao munghate Arts and Science College, Kurkheda, on Dated **23<sup>rd</sup> Oct 2021**.
- 5) Participated in Two Days National Workshops (Online) **On Plant Identification and Herbarium Methodology** Organized by Botanical Survey of India, Central National Herbarium, Howrah and Bareilly College, Bareilly (U.P) NSS Unite-I (Boys) on Dated **29 Oct and 1<sup>st</sup> Nov 2021**.
- 6) Participated in **IP Awareness/ Training program under National Intellectual Property Awareness Mission**, Organized Intellectual Property Office, India by on Dated **26<sup>th</sup> April 2022**.
- 7) Participated in **IP Awareness/ Training program under National Intellectual Property Awareness Mission**, Organized Intellectual Property Office, India by on Dated **9 May 2022**.

**vii) FDP attended: 01**

- 1) Participated in **“Online Faculty Development Program on Professional Ethics”** organized jointly by the internal quality assurance cells of the collaborating institutions on **30 may 2022**.

**viii) Awards / Recognitions received: Nil**

**Dr. Chandrakumar Patle, CHB approved by RTM Nagpur University**

**i) Research Papers Published: Nil**

**ii) Research Papers Presented: Nil**

**iii) Books Published/ Edited: Nil**

**iv) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**v) Guest Lectures Delivered: Nil**

**vi) Seminars / Conferences / Workshops attended: 01**

- 1) Participated in one-day national webinar on Biodiversity and ways of Ecorestoration” organized by Late Karamveer Dr P R Ghogrey, College, Dhule (M.S.) on dated **4 June 2021**
- 2) Participation in National webinar on **Herbarium techniques and international code of nomenclature** organized department of Botany,

Mahatma Jyotiba fule Commerce, Science and Vithhalrao Rauts Arts college, Bhatkuli, Dist Amrawati on **August 5<sup>th</sup> 2021**

- 3) Participated in the One Day International Webinar on **“Plant Biodiversity: Past & Present”** organized by Department of Botany, Bhagwantrao Arts & Science College, Etapalli Dist. Gadchiroli on **30<sup>th</sup> September, 2021**
- 4) Participated in **“National Level Webinar on Conservation of Biodiversity for Carbon Free World” on 04<sup>th</sup> October 2021** organized by Department of Botany and Botanical society, Anand Niketan College, Anandwan, Warora, District -Chandrapur (Maharashtra) to Celebrate ‘World Habitat Day’.
- 5) Participated in one-day National Webinar on **“Mangroves: The Green Coastal Guardians”** on Wednesday **2<sup>nd</sup> February 2022** Jointly Organized by Department of Botany, Zoology, Geography & IQAC, Raje Ramrao Mahavidyalaya, Jath – 416 404, Dist – Sangli, Maharashtra, India.
- 6) Participated in Online National Webinar on **Multimedia Enriched E-content Development for Effective Online Teaching** organized by IQAC, Department of Botany and Department of Computer Science, Yashwantrao Chavan College of Science, Karad on **1<sup>st</sup> March, 2022**
- 7) Participated in Online National Webinar on **“Snake Identification, Misconceptions and Snakebite Mitigation”** organized on the occasion of **“World Wildlife Day”** by IQAC, Eco Club, Eagle Nature Club of Yashwantrao Chavan College of Science, Karad & MAESA, on **03<sup>rd</sup> March, 2022**

**vii) FDP attended: Nil**

**viii) Awards / Recognitions received: Nil**

- a) **Dr. Mrs. Reshma Hiwase, CHB** approved by RTM Nagpur University
  - i) **Research Papers Published: Nil**
  - ii) **Research Papers Presented: Nil**
  - iii) **Books Published/ Edited: Nil**
  - iv) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**
  - v) **Guest Lectures Delivered: Nil**
  - vi) **Seminars / Conferences / Workshops attended: Nil**
  - vii) **FDP attended: Nil**
  - viii) **Awards / Recognitions received: Nil**
  
- e) **Dr. Mrs. Shalini Paliwal, CHB** approved by RTM Nagpur University
  - i) **Research Papers Published: Nil**
  - ii) **Research Papers Presented: Nil**
  - iii) **Books Published/ Edited: Nil**
  - iv) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**
  - v) **Guest Lectures Delivered: Nil**
  - vi) **Seminars / Conferences / Workshops attended: Nil**
  - vii) **FDP attended: Nil**

viii) Awards / Recognitions received: Nil

- f) **Dr. Mrs. Sweta Rai**, CHB approved by RTM Nagpur University
- i) **Research Papers Published:** Nil
  - ii) **Books Published/ Edited:** Nil
  - iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
  - iv) **Guest Lectures Delivered:** Nil
  - v) **Seminars / Conferences / Workshops attended:** Nil
  - vi) **FDP attended:** Nil
  - vii) **Awards / Recognitions received:** Nil

15. **Students Achievements if any:** Nil

16. **Student Research Projects if any:** 01

- 1) **'To Study floristic biodiversity'**: The student centric project organized by Prof. Pitambar Humane, HOD, for the students. This project helps to create the interest among the students towards the subject and research in plant taxonomy too.

17. **Diversity of Students:**

- i) **Total number of students enrolled:** 193
- ii) **Number of Students from home state:** 192
- iii) **Number of Students from other state:** 01

18. **Student strength & Result Analysis:**

Name of the Semester	Enrolled Students	Appeared Students	Pass students	Pass percentage
B. Sc. Sem.-I	65	65	43	66.15
B. Sc. Sem.-II	64	64	58	90.62
B. Sc. Sem.-III	59	59	57	96.61
B. Sc. Sem.-IV	59	59	58	98.36
B. Sc. Sem.-V	69	69	68	98.55
B. Sc. Sem.-VI	69	69	67	97.10

19. **Student progression**

Student progression	Against % enrolled
UG to PG	40-50%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA

Employed 1) Campus selection 2) Other than campus recruitment	Nil
Entrepreneurship /Self-employment	Nil

**20. Awards / Recognitions received by the students:** Nil

**21. Teaching methods adopted to improve student learning:**

- i) Online teaching learning practices are adopted due to COVID-19 pandemic. Many tools and technique used like, google meet, google forms, zoom meet, Microsoft team and also the software like CorelDraw for preparation of diagrams and flow chart for better understanding in online teaching.
- ii) Basics of the subject were taught to the students at entry level in bridge-course
- iii) Special attention was given to slow learners.
- iv) Extra classes were engaged for the students wherever necessary
- v) Remedial classes
- vi) Class test and unit test
- vii) Internal assignments on full course paper
- viii) Revision of the syllabus at the end of session with ICT
- ix) Video lectures are made available on YouTube Channel, BOTANY 4U for UG & PG students and also for researchers & faculties in and around the globe in life sciences.

**22. Participation in Institutional Social Responsibility (ISR) and Extension activities**

- i) Most of the students of the department actively participates in almost all the activities organized by the institute.
- ii) Some of the students were engaged in NSS camp & Blood donation activities organized by the NSS Unit of the college.

**23. Creativity & Innovations if any:** Nil

**23. SWOC analysis of the department and Future plans:**

- a) **Strength:**
  - i) Qualified and experienced teaching staff
  - ii) Well maintained and rich herbarium with over 2000 plant specimens.
  - iii) Separate departmental library with over 500 books.
  - iv) Separate library for competitive examinations purchased under entry in services sanctioned by UGC.
  - v) Well-equipped laboratory with ICT facility
- b) **Weaknesses:**
  - i) Faculty crunch because of govt policies for faculty recruitments

- ii)** Need to update the laboratory with advanced instruments / equipment as per the recent trends in research in the subject.
- c) Opportunity:**
  - i)** The students have job options available in BSI, department of forest and taxonomic research institutes, seed industry, nurseries, central research laboratories in life sciences.
  - ii)** More avenues in the field of agricultural research and small-scale industries because of skill-based education in the subject.
- d) Challenges:**
  - i)** Find difficult to maintain the standard of the subject due to crunch of staff & necessary equipment in the laboratory.
  - ii)** Skill-based education introduced in the subject need thorough update in laboratory instruments as per the experiments in the syllabi.
- e) Future planning:**
  - i)** To apply and undertake the major research projects
  - ii)** To publish the research papers
  - iii)** To publish the colour atlas for angiosperm plants
  - iv)** To publish reference book on angiosperm taxonomy
  - v)** To publish a flora of Bhandara district (M.S.) India
  - vi)** To publish video lectures on YouTube Channel, BOTANY 4U, based on UG, PG & CSIR-UGC-NET (Life Sciences) syllabi and research in Life Sciences and also teaching learning practices, effective administration in higher education, etc.
  - vii)** Development of Bonsai plants in botanical garden.
  - viii)** Introduction of Student Centric Project 'To Study the Mycoflora'
  - ix)** Introduction of Diploma in Mushroom Cultivation, one year add on course for the students of First Year Botany and Home Science.



## Department of Chemistry

### Annual Report (2021-22)

1. **Name of the department** : Chemistry
2. **Year of Establishment** : 1968
3. **Names of Programmes / Courses offered** : **No. of Certificates Course/s:** Nil  
(Certificate, UG, PG, M.Phil., Ph.D.,  
Integrated Masters; Integrated Ph.D., etc.)  
UG: B. Sc.  
PG: Nil
4. **Names of Interdisciplinary courses and the departments/units involved**
  - i) Chemistry Botany Zoology (CBZ)
  - ii) Chemistry Botany Microbiology (CBM)
  - iii) Chemistry Zoology Microbiology (CZM)
  - iv) Physics Chemistry Mathematics (PCM)
  - v) Basic Chemistry for B. Sc. (Home Science), Sem.-I & II
  - vi) Applied Chemistry for B. Sc (Home Science) Sem. III & IV
  - vii) Nutritional Biochemistry for B. Sc (Home Science) Sem. V & VI
5. **Names of Certificate Courses if any:** Nil
6. **Collaborations / MoUs if any:** Nil
7. **Programme wise Annual/ semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B. Sc	-	Yes	-
2.	M. Sc II	-	-	-
3.	Certificate Courses	-	-	-

#### 8. Number of Teaching posts:

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-
2.	Associate Professor	-	-
3.	Assistant Professor	09	02

**9. Teaching Faculty:**

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Dr. R. B. Lanjewar	M. Sc., Ph.D.,	Professor & Head	01.01.1993	28 years
2.	Dr. Mrs. Vaishali P. Meshram	M. Sc., Ph.D., B. Ed	Associate Professor	06.02.2007	15 years
3.	Dr. Sandeep Bhiwagade	M. Sc., Ph.D.	CHB, Approved by RTMNU	2021-2022	NA
4.	Dr. Mrudul Keskar	M. Sc., Ph.D.,	CHB, Approved by RTMNU	2021-2022	NA
5.	Dr. Pranita Gawande	M. Sc., Ph D	CHB, Approved by RTMNU	2021-2022	NA
6.	Dr. Yogita Dahire	M. Sc., Ph. D	CHB, Approved by RTMNU	2021-2022	NA
7.	Dr. Mrs. Tanishq Chaudhry	M. Sc , Ph. D	CHB, Approved by RTMNU	2021-2022	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Lab. Assistant	01	01
2.	Lab. Attendant	04	02

**11. Number of activities organized: 04**

- 1) Inauguration of Chemical society “Alchemy” 2021-2022 Installation of Chemical Society, “Alchemy”, 2021-2022 office bareron dated 7/12/2022
- 2) Organized Guest lecture under chemical Society Alchemy 2021-2022 by Mr. Chetan Sayankar, on the Topic, “Biotechnological advancement in Extraction and Optimisation of Enzymatic processes with special reference to

its biochemistry” on dated 7/ 12/2022

- 3) Under chemical society alchemy organized Industrial visit to Common Effluent Treatment Plant CETP, Buttibori on 8<sup>th</sup> April ,2022
- 4) Organized Poster competition under chemical society Alchemy on the eve of Earth day on the topic Green chemistry and sustainable development on 22<sup>nd</sup> April 2022

**12. Infrastructural Facilities:**

**I. Laboratory: 02**

Two well-equipped laboratories with important instruments like conductometer, Potentiometer, pH meter, Nephelometer, Calorimeter, Spectrophotometer, well established distilled water plant etc.

**II. Library: Yes**

Departmental Library is also available for students with 320 of Books are available. Out of them some are book are reference books, text book, and some copies Rasayan Journal of chemistry are also available.

**III. ICT facilities: Yes**

LCD projector used during students’ seminars, during lecturers, one computer with internet connectivity and with one printer installed in the department.

**IV. E-books: 10**

**V. Staff room: 02**

- i) Departmental Staff rooms are well furnished with necessary requirements.

**13. Online Teaching Assistance:**

- a) **Google meet: Yes**
- b) **Google forms: Yes**
- c) **Zoom platform: Yes**
- d) **Microsoft team: Yes**
- e) **YouTube channel link: <https://youtu.be/hmsDHui5UT4>**
- f) **Number of videos / lectures available on YouTube channel: 13**

**14. Faculty Profile:**

**Prof. R. B. Lanjewar, Professor & Head of the Department**

- i) **Research Papers Published: Nil**
- ii) **Research Paper presented: Nil**
- iii) **Books Published/ Edited: Nil**
- iv) **Guest Lecture delivered: Nil**
- v) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**
- vi) **Seminars / Conferences / Workshops attended: Nil**
- vii) **FDP attended: Nil**
- viii) **Awards / Recognitions received: Nil**

**Dr. Ms. Vaishali P. Mesharm, Associate Professor**

- i) **Research Papers Published: 01**

- 1) Paper published in International Journal Researches in Biosciences, Agriculture and Technology “SWOT analysis of clean Fuel Programme Initiative in India”, IJRBAT, Issue (X) Vol (II) May 2022: 316-323

**ii) Research paper presented: 07**

- 1) Paper presented at National Conference on Advancement in Interdisciplinary Research (NCAIR – 2021) jointly organized by Amiruddaula Islamia Degree College, Lucknow & Science Tech Institute, Lucknow UP oral presentation on the title, “Synthesis characterization and <sup>1</sup>H-NMR studies of some bis polymeric ligands on July 29-31, 2021
- 2) Presented paper oral in Virtual International Conference on Multifunctional Advanced Materials (VICMAM – 2021) organized by department of Chemistry, JVM’s degree College in collaboration with association of Chemistry Teachers on 9<sup>th</sup> and 10<sup>th</sup> August., 2021
- 3) Paper presented at International Virtual Conference on Current Scenario in Chemical Sciences CSCS- 2021 (oral) entitled, “Physicochemical Studies of some Bis Polymeric complex, organized by School of Chemical science, Moolji Jaitha College (Autonomous), Jalgaon (MS), India on 6<sup>th</sup> & 7<sup>th</sup> September 2021
- 4) Paper presented (oral) in Two Days International e-Conference on drug Discovery and Materials Science Thermal studies of some Bis polymeric complexes”, Organized by the IQAC and department of Chemistry held on 15 - 16<sup>th</sup> September 2021
- 5) Paper presented at International e-Conference on New Horizons and Multidisciplinary Applications in Science and Technology ICMA – 2021 entitled, “Physico- Chemical Characterization of Mine Water Produced during various Mining Activities, treatment and possible Usage held during 11<sup>th</sup> to 13<sup>th</sup> October 2021
- 6) Paper presented in Virtual International Conference on Interdisciplinary Approaches in Chemical Sciences IACS -2021 oral presentation on topic entitled “Removal of Total dissolved solids using Biological Materials through Phyco-remediation Technique” IACS 2021 organized by Department of Chemistry, MES’s Abasaheb Garware College, Pune, during 21<sup>st</sup> – 23<sup>rd</sup> October 2021
- 7) Paper presented at International E-Conference on Sustainable and Futuristic Materials (SFM – 2021) organized by International Research Center and Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnan oil, department of Chemistry, J. M. Patel College, Bhadara and Kamla Nehru Mahavidyalaya, Nagpur held during 29-30<sup>th</sup> Nov., 2021

**iii) Books Published/ Edited: 01**

- 1) A Text Book of Chemistry B. Sc. Semester – IV as per the new syllabus of RTM Nagpur University, Nagpur published by Himalaya publishing House, Nagpur, 2022, ISO 9001:2015 certified.

**iv) Guest lecture delivered: 01**

- 1) Delivered an expert talk at Indradhanush: A Science Exhibition – Cum – Demonstration Programme organized by Yuvak Samajik Jankalyan Santha, Nagpur in Association with Society for Promotion of Materials Science, Nagpur during 15-17<sup>th</sup> December 2021 at Yeshvant School and Junior College, Sevgram, Dist. Wardha, sponsored by the Department of Science and Technology, New Delhi

**v) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**vi) Seminars / Conferences / Workshops attended: 07**

- 1) Participated in International E-conference on Recent Advances in Chemical, physical and Biological Sciences (RACPBS- 2021) organized by Nabira Mahavidyalaya in Association with ACT Mumbai and TIFR Mumbai, on 29-30<sup>th</sup> June., 2021
- 2) Attended One Day Online National Webinar entitled, “Implementation of Academic Bank of Credits” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the PMMMNMTT of Ministry of Education on 10<sup>th</sup> July 2021
- 3) Participated in National Webinar on recent Advances in Chemistry organized by the department of Chemistry & IQAC, Gov. PG College, Bhatapara(C. G. ) on 26<sup>th</sup> July 2021
- 4) Attended National Webinar on Nanomaterials in the Service of Mankind organized by G. H. Raison Institute of Engineering and Technology, Nagpur on 30<sup>th</sup> July, 2022
- 5) Attended the National Level webinar on “Writing and Evaluation of Scientific Research Articles” organized by S. K. Porwal college Kamptee and Taywade college, Koradi , on 31<sup>st</sup> July, 2022
- 6) A one day NAAC sponsored National Seminar on Challenges and Future Prospectus in Online submission of SSR organized by Dayanand Arya Kanya Mahavidyalaya, Nagpur on 30 April, 2022
- 7) Attended online FDP on, “Professional Ethics, organized by Dharampeth M. P. Deo memorial science college in association with six colleges of Nagpur Region, Nagpur on 30<sup>th</sup> May., 2022

**vii) FDP attended: 05**

- 1) Participated in Three Days National Online FDP, on ICT Tools for Effective Teaching Learning, organized by IQAC Kamla Nehru Mahavidyalaya, Nagpur from 8-10<sup>th</sup> June 2021
- 2) Participated Ten Days Online certificate course cum Workshop on “Professional Documents with Microsoft –Word “organized by Department of Computer n Science & Applications in Collaborative with Career Guidance cell, Sanatan Dharma College, Ambala Cantt Krukshetra University, Kurukshetra from 21<sup>st</sup> June to 30<sup>th</sup> June 2021
- 3) Participated One-week Faculty development FDP organized by TLC, Ramanujan College, University Delhi, MHRDC and PMMDC from June

8-14, 2020

- 4) Participated One Week Faculty Development Program, “Capacity Building in Drafting Proposals for Funded Research” Guru Angad Dev Teaching Learning Centre, S. G. T. B. Khalasa College, University of Delhi under the PMMMNMT of MHRD
- 5) Participated in the International FDP on Research and Teaching Methodology held from 5<sup>th</sup> July to 11<sup>th</sup> July, 2021 organized by \_\_\_\_\_

**viii) Awards / Recognitions received:**

- 1) Most outstanding Service Award, certificate of Excellence for outstanding and extra ordinary achievements in chosen field fields of activity and services rendered to promote greater friendship and India – International Co-operation for the year 2021 Chemist.
- 2) India’s most Dynamic Achievers award certificate of Excellence to Global Indian for outstanding performance and remarkable role in recognition of valuable contribution in promoting the honour and prestige of India to be best among the best 2021

**1. Dr Sandeep Bhiwagade, CHB approved by RTM Nagpur University**

- i) **Research Papers Published:** Nil
- ii) **Research paper presented:** Nil
- iii) **Books Published/ Edited:** Nil
- iv) **Guest Lecture delivered:** Nil
- v) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- vi) **Seminars / Conferences / Workshops attended:** Nil
- vii) **FDP attended:** 01
  - 1) Attended online FDP on, “Professional Ethics, organized by Dhrampeth M. P. Deo Memorial Science College, Nagpur in association with six colleges of Nagpur Region, Nagpur on 30th May., 2022
- viii) **Awards / Recognitions received:** Nil

**Dr. Mrudul Keskar, CHB approved by RTM Nagpur University**

- i) **Research Papers Published:** Nil
- ii) **Research Paper Presented:** Nil
- iii) **Books Published/ Edited:** Nil
- iv) **Guest lecturer delivered:** Nil
- v) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- vi) **Seminars / Conferences / Workshops attended:** Nil
- vii) **FDP attended:** 01
  - 1) Attended online FDP on, “Professional Ethics, organized by Dharampeth M. P. Deo Memorial Science College, Nagpur in association with six colleges of Nagpur Region, Nagpur on 30th May., 2022
- viii) **Awards / Recognitions received:** Nil

**Dr. Pranita Gawande, CHB approved by RTM Nagpur University**

- i) **Research Papers Published:** Nil
- ii) **Research paper presented:** Nil
- iii) **Books Published/ Edited:** Nil
- iv) **Guest lecture delivered:** Nil
- v) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- vi) **Seminars / Conferences / Workshops attended:** Nil
- vii) **FDP attended:** 01
  - 1) Attended online FDP on, “Professional Ethics, organized by Dharampeth M. P. Deo Memorial Science College, Nagpur in association with six colleges of Nagpur Region, Nagpur on 30th May., 2022
- viii) **Awards / Recognitions received:** Nil

**Dr. Yogita Dahire**, CHB approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Research paper presented:** Nil
- iii) **Books Published/ Edited:** Nil
- iv) **Guest lecturer delivered:** Nil
- v) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- vi) **Seminars / Conferences / Workshops attended:** 01
  - 1) Participated in International Conference on new Horizons and Trends in Chemical Sciences (ICNHTCS- 2022) organized by Sindhu college, Nagpur on 25-26<sup>th</sup> March., 2022
- vii) **FDP attended:** Nil
- viii) **Awards / Recognitions received:** Nil

**Dr. Tanishq Chaudhari** CHB approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Research paper presented:** Nil
- iii) **Books Published/ Edited:** Nil
- iv) **Guest lecturer delivered:** Nil
- v) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- vi) **Seminars / Conferences / Workshops attended:** 01
  - 1) Participated in International Conference on new Horizons and Trends in Chemical Sciences (ICNHTCS- 2022) organized by Sindhu college, Nagpur on 25-26<sup>th</sup> March., 2022
- vii) **FDP attended:** 01
  - 1) Attended online FDP on, “Professional Ethics, organized by Dharampeth M. P. Deo Memorial Science College, Nagpur in association with six colleges of Nagpur Region, Nagpur on 30th May., 2022
- ix) **Awards / Recognitions received:** Nil

**15. Students Achievements if any: Yes**

- 1) Ms. Isha Gupta, B. Sc Sem. IV and Rani Katwale won consolation Prize

at Inter Collegiate Poster competition on the eve of World Earth Day – 22 April 2022

- 2) Mr. Subhodh Dixit, B. Sc Sem. IV participated in Inter Collegiate PPT competition on syllabus topic organized by Shivaji Science college, Nagpur on Feb., 2022

**16. Student Research Projects if any: Nil**

**17. Diversity of Students:**

- i) Total number of students enrolled: 570
- ii) Number of Students from home state: 569
- iii) Number of Students from other state: 01

**18. Student strength & Result Analysis:**

Name of the Semester	Enrolled Students	Appeared Students	Pass students	Pass percentage
B. Sc. Sem.-I	179	171	169	66.15
B. Sc. Sem.-II	175	175	155	88.57
B. Sc. Sem.-III	155	155	152	98.06
B. Sc. Sem.-IV	157	154	150	97.40
B. Sc. Sem.-V	182	181	181	100.00
B. Sc. Sem.-VI	184	181	181	100.00

**19. Student progression**

Student progression	Against % enrolled
UG to PG	40-50%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>➤ Campus selection</li> <li>➤ Other than campus recruitment</li> </ul>	Nil
Entrepreneurship /Self-employment	Nil

**20. Awards / Recognitions received by the students: Nil**

**21. Teaching methods adopted to improve student learning:**

- 1) ICT used for Power point presentation; you tube link shared.



22. **Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil
23. **Creativity & Innovations if any:** Nil
23. **SWOC analysis of the department and Future plans:**
- a) **Strength:**
    - i) Qualified and Experience faculty.
    - ii) Good number of publications in reputed international and national journals
    - iii) Good number of Conference attended and participated in conference in National and international online paper presentation and online workshop attended.
    - iv) Good number of Ph.D. faculty
  - b) **Weaknesses:**
    - i) Insufficient Industry Academia Interaction
  - c) **Opportunity:**
    - i) Scope of subject Chemistry in various field like Industries, Research and development, Thermal Power station and many more.
    - ii) To start PG, course in Chemistry
    - iii) To start Certificate or Diploma Courses related to chemistry.
    - iv) To increase Industry Academia interaction.
  - d) **Challenges:**
    - i) To Maintain Laboratory safety, use of LPG for practical
    - ii) To meet the need of industries by using existing curriculum
    - iii) Creating awareness about self-employment
    - iv) To Maintain Laboratory safety, use of LPG for practical
  - e) **Future planning:**
    - i) Submission of PG proposal for M. Sc Chemistry in next session 2021-2022 to start M.Sc. in Chemistry in the college.
    - ii) To start Certificate / Diploma courses related chemistry
    - iii) To Organize National Conference

## Department of Computer Science

### Annual Report (2021-22)

1. **Name of the department** : **Computer Science**
2. **Year of Establishment** : 2001
3. **Names of Programmes / Courses offered** : **No. of Certificates Course/s: 03**  
(Certificate, UG, PG, M.Phil., Ph.D.,  
Integrated Masters; Integrated Ph.D., etc.) **UG: B. Sc.**  
**PG: Nil**
4. **Names of Interdisciplinary courses and the departments/units involved**
  - i) Physics Mathematics Computer Science (PMCOM)
  - ii) Statistics Mathematics Computer Science (SMCOM)
  - iii) Electronics Mathematics Computer Science (EMCOM)
5. **Names of Certificate Courses if any:**
  - i) IIT Spoken Tutorial Certificate Course (NMEICT MoE (prev. MHRD) Govt. of India)
  - ii) Developing Computational Skills using Software Packages & online Google Tools (Under Jeevan Shikshan Abhiyan)
  - iii) Excel for Banking and Accounts (Under Jeevan Shikshan Abhiyan)
6. **Collaborations / MoUs if any:** Nil
7. **Programme wise Annual/ semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B. Sc	-	Yes	-
2.	M. Sc II	-	-	-
3.	Certificate Courses	03		-

#### 8. Number of teaching posts

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-
2.	Associate Professor	-	-
3.	Assistant Professor	04	01

**9. Teaching Faculty:**

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Dr. Mrs. Snehal Narale	M.Sc., M.Phil., Ph.D.	Assistant Professor & Head (Regular Ad-hoc, Approved by RTMNU)	16.06.2009	13 years
2.	Mrs. Ruma Kapre	B. Sc., MCA	Assistant Professor (Ad-hoc)	2021-22	NA
3.	Mrs. Shambhavi Holay	M.Sc.	Assistant Professor (Ad-hoc)	2021-22	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Lab. Assistant	NA	-
2.	Lab. Attendant	NA	-

**11. Number of activities organized: 11**

- 1) One-week Training Program on “The Ultimate Microsoft Office: Essential Skills to Enhance Learning Capabilities 5<sup>th</sup> July to 11<sup>th</sup> July 2021 by Dr. Mrs. Snehal Narale total number of participants registered for this workshop were 66.
- 2) IIT spoken tutorial Training Program for B.Sc. I year students on 11/10/2021 by Dr. Mrs. Snehal Narale. Total 97 no. of participants were attended the Training program.
- 3) Conducted One Day Workshop on “Writing Scientific Research Article/Paper” on 6<sup>th</sup> December 2021 by Dr. Mrs. Snehal Narale. 89 no of students were enrolled for this workshop out of which some of the students submitted their article to the faculty.
- 4) A Webinar on “The Essence of Cloud Technology & Information Security and Opportunities for Graduate on 29<sup>th</sup> January 2022, Mr. Anil Tatode Department of Computer Science in association with Department of Robotics and Cloud Technology, RTMNU was the speaker. 55 no of students were participated in this online webinar.

- 5) A Guest lecture on “GUI in LINUX and managing Disk Space” For B.Sc. Sem. IV on 22<sup>nd</sup> February 2022 for B.Sc. II year students. Total 27 students were attended guest lecture. Dr. Shweta Barahate, Department of Electronics and Computer Science was the guest Speaker for this activity.
- 6) Conducted a One Day Workshop on Scripting and Mark-up Languages for Interested candidates of B.Sc. 2<sup>nd</sup> Year only on 21/3/2022 by Dr. Mrs. Snehal Narale. There were 27 no. of participants attended the workshop.
- 7) Organized one-day online webinar on Future of Careers in India’s Digital Economy on 14<sup>th</sup> February 2022, Mr. Aniket Pingle was the guest speaker. Total 26 students were attended the webinar.
- 8) Organized Intercollegiate Video Making Competition Jointly Organized by Department of Microbiology and Computer Science on 2<sup>nd</sup> March 2022, Dr. Aarti Shanware was the Judge for this competition. Total 37 participants were participated in this competition from various colleges of Nagpur as well as outside.
- 9) Organized Talent Development program in association with Shivaji Science College, SFS College, Hislop College, IICC RTMNU Campus for the students of final year. Total &0 participants were participated in this Talent development program.
- 10) IIT Spoken Tutorial Final Online Examination for Sem. I students was conducted on 8,10<sup>th</sup> January 2022 and for Sem. II the examination was conducted on 27,28<sup>th</sup> April 2022. Total 166 students were appeared in the examination for various courses. Dr. Mrs. Snehal Narale & Mrs. Shambhavi Holay successfully conducted the exam in online mode.
- 11) E-Poster Competition held on 18<sup>th</sup> December 2021 by Mrs. Ruma Kapre. The Topic for the Competition were AI, Speech and Image Processing and Cloud Computing.

**12. Infrastructural Facilities:**

**a) Laboratory: Yes.**

The laboratory admeasures 69.67 sq. m.

**b) Library:**

The departmental library is small. The Books are donated by faculty members and Alumni of the department are available in the departmental library.

**c) ICT facilities:**

LCD Projector is available in the department.

**d) E-books: 10**

**e) Staff room: Yes, Staff room:**

The departmental staff room is well furnished with all basic amenities.

**13. Online Teaching assistance:**

**a) Google meet: Yes**

- b) **Google forms:** Yes
- c) **Zoom platform:** No
- d) **Microsoft team:** Yes
- e) **YouTube channel link:** [Snehal Narale - YouTube](#)
- f) **Number of videos / lectures available on YouTube channel:** 11

#### 14. Faculty Profile:

- a) **Dr. Mrs. Snehal Narale, Assistant Professor & Head (Regular Ad-hoc)**
  - i) **Research Papers Published:** Nil
  - ii) **Research Papers Presented:** Nil
  - iii) **Books Published/ Edited:** Nil
  - iv) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
  - v) **Guest Lectures Delivered:** 01
    - 1) Delivered a Guest Lecture on Bioinformatics at Dharampeth M. P. Deo Memorial Science College, Nagpur for Final Year students of Zoology on 23<sup>rd</sup> April 2022.
  - vi) **Seminars / Conferences / Workshops attended:** 04
    - 1) Participated in the **International Webinar** on “Enhancing Research Competence to attain Impact, Visibility and Citation’ Organized by the Place of Higher Learning and Research and Learning Resource Center of Santaji Mahavidyalaya, Nagpur on 29<sup>th</sup> July 2021.
    - 2) Attended **National Webinar** on Youth Empowerment for Swachh Bharat Organized by NSS Cell, SFS College, Nagpur on 28<sup>th</sup> August 2021.
    - 3) Participated in one-day **National e-Conference** on Writing Research paper: Learning the steps & knowing Plagiarism organized by Department of Home Science and IQAC under MOU of COTI Yeshwant Mahavidyalaya, Wardha on 1<sup>st</sup> February 2022.
    - 4) Participated in one day **State Level Virtual Workshop** on “Designing Effective PowerPoint Presentation” jointly organized by Department of Music, Home Economics and English, Yeshwant Mahavidyalaya, Wardha on 5<sup>th</sup> February 2022.
  - vii) **FDP attended:** 03
    - 1) Attended **National Level Faculty Development cum Orientation Program** on Assessment and Accreditation Process of NAAC organized by IQAC’s of Dharampeth M. P. Deo Memorial Science College, Nagpur, Santaji Mahavidyalaya, Nagpur, Dr. M. K. Umathe College, Nagpur, J.M.Patel Arts, Commerce and Science College, Bhandara, Mahila Mahavidyalaya, Nagpur and Bar. Sheshrao Wankhede Collge, Khaparkheda from 20<sup>th</sup> to 27<sup>th</sup> September 2021.
    - 2) Participated in One Week National Level Faculty Development Program on ICT Tools for Effective Teaching and Learning from 23<sup>rd</sup> May to 28<sup>th</sup> May 2022 organized by Amar Sewa Mandals Kamla Nehru Mahavidyalaya, Nagpur

- 3) One Day Faculty Development Program on "Professional Ethics for Teaching and Non-Teaching Staff." Organized jointly by the Internal Quality Assurance Cells (IQACs) of Dharampeth M. P. Deo Memorial Science College, Nagpur J. M. Patel Arts, Commerce and Science College, Bhandara, Dr. M. K. Umathe Arts and Commerce College, Nagpur, Bar. Sheshrao Wankhede Arts and Commerce College, Khaperkheda, Santaji Mahavidyalaya, Nagpur, Mahila Mahavidyalaya, Nagpur, Vidyasagar Kala Mahavidyalaya Khairi (Bijewada), Ramtek

**viii) Awards / Recognitions received: 01**

- 1) Dr. Snehal Narale Received Appreciation Letter from IIT Spoken Tutorial, Bombay (NMEICT, MoE (prev.MHRD, GOI)
- 2) Appointed as a Judge for the event “**E-Poster Adda** “by Annasaheb Gundewar College, Nagpur on 18<sup>th</sup> November 2021.

**b) Mrs. Ruma Kapre: Assistant Professor (Ad-hoc)**

**i) Research Papers Published: Nil**

**ii) Research Papers Presented: Nil**

**iii) Books Published/ Edited: Nil**

**iv) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**v) Guest Lecture Delivered: Nil**

**vi) Seminars / Conferences / Workshops attended: 01**

- 1) **2nd Monthly National Seminar** on " Students, Teachers and Institutional Outcomes (STIO) in HEI" organized by Association of Indian College Principals in Collaboration with Dharampeth M. P. Deo Memorial Science College, Nagpur, Dr. M. K. Umathe College, Nagpur, Bar. Sheshrao Wankhede Arts College Khaperkheda, on 20<sup>th</sup> June 2021.

**vii) FDP attended: 02**

- 1) **8 Day National Level Faculty Development-cum-Orientation Programme** on "Assessment and Accreditation Process of NAAC", A Joint Venture of Internal Quality Assurance Cells of Dharampeth M. P. Deo Memorial Science College, Nagpur, Santaji Mahavidyalaya, Nagpur, Yashoda Girls' Arts & Commerce College, Nagpur, J. M. Patel Arts, Commerce & Science College, Bhandara, Mahila Mahavidyalaya, Nagpur, Dr. M. K. Umathe College, Nagpur, Bar. Sheshrao Wankhede College of Arts & Commerce, Khaperkheda Organized from 20th till 27th September 2021.
- 2) **One Day Faculty Development Program** on "Professional Ethics for Teaching and Non-Teaching Staff." Organized jointly by the Internal Quality Assurance Cells (IQACs) of Dharampeth M. P. Deo Memorial Science College, Nagpur J. M. Patel Arts, Commerce and Science College, Bhandara, Dr. M. K. Umathe Arts and Commerce College, Nagpur, Bar. Sheshrao Wankhede Arts and Commerce College, Khaperkheda, Santaji Mahavidyalaya, Nagpur, Mahila Mahavidyalaya,

Nagpur, Vidyasagar Kala Mahavidyalaya Khairi (Bijewada), Ramtek  
**viii) Awards / Recognitions received:** Nil

**c) Mrs. Shambhavi Holay, Assistant Professor (Ad-hoc)**

**i) Research Papers Published:** Nil

**ii) Research Papers Presented:** Nil

**iii) Books Published/ Edited:** Nil

**iv) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil

**v) Guest Lecture Delivered:** Nil

**vi) Seminars / Conferences / Workshops attended:** Nil

**vii) FDP attended:** 01

- 1) **One Day Faculty Development Program** on "Professional Ethics for Teaching and Non-Teaching Staff." Organized jointly by the Internal Quality Assurance Cells (IQACs) of Dharampeth M. P. Deo Memorial Science College, Nagpur J. M. Patel Arts, Commerce and Science College, Bhandara, Dr. M. K. Umathe Arts and Commerce College, Nagpur, Bar. Sheshrao Wankhede Arts and Commerce College, Khaperkheda, Santaji Mahavidyalaya, Nagpur, Mahila Mahavidyalaya, Nagpur, Vidyasagar Kala Mahavidyalaya Khairi (Bijewada), Ramtek

**viii) Awards / Recognitions received:** Nil

**15. Students Achievements if any:**

**i) Ayush Pal (Semester :6, Group: ECom) participated in**

- + Community members of urja ((traditional day) event) organized by Dharampeth M. P. Deo Memorial Science College
- + Participated in 100m race University level
- + Mr.fellowista 2022 organized by Rotaract club
- + Internship as web developer and designer at The Spark foundation from sep 2021 to oct2021
- + Earned some google cloud skills badge

**ii) Ganesh Shyam Kusumbe selected as Software Engineer through Placement Drive by Gigakin Solution Nagpur**

**iii) Nimish Girish Nawghare participated in**

- + NCC Army Attachment Camp (Pune) held from 1st March - 10th March
- + NCC National Level Thal Sainik Camp (Saoner) held from 3rd July - 13th July

**iv) Aadarsh Dineshsingh Chandel**

- + Treasurer and Sargent at Arms of the Rotaract Club of College.
- + College Representative for the year 21-22.

**v) Riddhi Abhay Rajkarne**

- + Member and Secretary of Leo Club of Nagpur Youths GreenCity integral part of The International Association of Lions Clubs.

**NCC Achievements:** -

- + Certificate and medal for completing 10 km cross country Marathon on

26/09/2021.

✚ Certificate for completing 50 km cycling expedition on 07/11/2021

**16. Student Research Projects if any: Nil**

**17. Diversity of Students**

- i) Total number of students enrolled: 196
- ii) Number of Students from home state: 192
- iii) Number of Students from other state: 04

**18. Student strength & Result Analysis:**

Name of the Semester	Enrolled Students	Appeared Students	Pass students	Pass percentage
B. Sc. Sem.-I	67	67	67	100
B. Sc. Sem.-II	67	67	61	91.04
B. Sc. Sem.-III	60	60	60	100
B. Sc. Sem.-IV	60	60	60	100
B. Sc. Sem.-V	69	69	69	100
B. Sc. Sem.-VI	69	69	66	95.65

**19. Student Progression**

Student progression	Against % enrolled
UG to PG	-
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>➤ Campus selection</li> <li>➤ Other than campus recruitment</li> </ul>	Nil
Entrepreneurship /Self-employment	Nil

**20. Awards / Recognitions received by the students:**

- ✚ Ayush Pal won First prize in solo dance competition at URJA, organized by Dharampeth M. P. Deo Memorial Science College.
- ✚ Monika Ulhas Borikar got certificate from NMC and Mahatma Gandhi National Council of Rural Education
- ✚ Sakshi Giri Worked as a joint Secretary in Rotaract Club of Dharampeth M. P. Deo Memorial Science College. In half tenure won the DRR recognition award.



- ✚ Aadarsh Dineshsingh Chandel received Best Meme Runner Up in Rotaract District Conference 2022 held in Goa!
- ✚ Ms. Ruchika Kadu selected in Homzhub's Company through Talent Development Program organized by Department of Computer Science of our College

**21. Teaching methods adopted to improve student learning:**

- 1) Use of Tools like Google Doc, Gmail, sheets, Drive, Calendar and Classroom
- 2) Teaching using Power Point Presentation.
- 3) Various presentation, seminars and demonstrations using LCD Projector.
- 4) Various concepts are explained with the help of diagrammatic representation.
- 5) Assignments are given to the students and Unit Tests are conducted as a part of their Internal Assessments. Third year students develop their projects using Visual Basic as a front end and Oracle/Ms-access as backend.
- 6) Teachers are always available for one-to-one interaction for clearing their queries.
- 7) We provide Internet access to the students.
- 8) We conduct technical and aptitude test based on fundamental of the various topics from their syllabus.
- 9) Students prepared their presentations emphasis
- 10) We give emphasis to the preparation of PPT by students to improve their presentation and communication skills.
- 11) Organize workshop for the students to develop and enhance the interest in the of research.

**22. Participation in Institutional Social Responsibility (ISR) and Extension activities**

- 1) Bhushan Awasare from Final year worked as Leo District President of District 3234-H1 designated by District Governor Ln. Rajendra singh Bagga District 3234-H1 is integral part of the International Association of Lions Club. Leo is youth wing of Lions Club International. In Covid time members started Lions Kitchen collaboration with Maharaja of Nagpur Trust and Many lions club from Nagpur. Daily food provided to the needy people and donated this food in slum areas, red light area, Anatha ashrams and many more. My home club Nagpur Green Warriors Leo Club started new project name as animal feeding. Members provided food to animals (street Animals), donated 20 thousand bottles of Sanitizers and 50k masks to needy people. Both these activities continued for 6 months.
- 2) Ridhi Rajkarne from Second Year Member and Secretary of Leo Club of Nagpur Youths Green City integral part of The International Association of Lions Clubs, more commonly known as Lions Clubs International, is an international non-political service organization established originally in 1916 in Chicago, Illinois, by Melvin Jones. It is now headquartered in Oak Brook, Illinois. As of January 2020, it had over 46,000 local clubs and more than 1.4 million members

(including the youth wing Leo) in more than 200 countries and geographic areas around the world. She has completed 3 successful events

- ✚ Cleanliness drive on 04/10/2021.
- ✚ Cloth distribution on 06/10/2021.
- ✚ Food Distribution on 07/10/2021 and many more activities to serve the people in need.

- 3) Member and director of vocational services of Retracted club of Dharampeth science college Nagpur participated in Academic books and Stationary donation at Deaf and Dumb Institute, Shankar Nagar, Nagpur
- 4) Most of the Faculty members of the department are in various college committees.

**22. Creativity & Innovations if any:** Online Portal ([www.dsccsedproject001.in](http://www.dsccsedproject001.in))

**23. SWOC analysis of the department and Future plans:**

**a) Strength:**

- i) Qualified teaching staff
- ii) Students give preference to opt for computer science
- iii) The department endeavors to be student-centric through various activities
- iv) Organized from time to time.
- v) Co-operative Non-teaching staff.
- vi) Projects: Students participate in various projects in large number.
- vii) Trained more than 190 students for IIT Spoken Tutorial Certificate Course. This Course was continuously run by the department from last 4 years.
- viii) Department has run the certificate course like Basic Skills in Computer, Full Stack Developer and Digital Marketing (Under Jeevan Shikshan Abhiyan)

**b) Weaknesses:**

- i) Paucity of space.
- ii) No PG program.
- iii) Required more approved staff
- iv) Students from language media of instruction have problems comprehending the subject details.
- v) To understand/get more opportunities in the field of IT need to organize some sort of organizational visit.
- vi) The organizational visits help the students to get an experience to diverse industrial activities over different parts of India.

**c) Opportunity:**

- i) Job opportunities are more in IT field for students
- ii) Applied subject
- iii) Enhancement of graduate programs.

**d) Challenges:**

- i)** More students less no of computers
- ii)** To conduct research in available resource in the college.
- iii)** Amplifying the number of pass out students by incorporating plans such as increasing the number of class test to be taken,
- iv)** Periodically conducting Parent Teacher Meeting independently for the department.
- v)** One to one communication with the students to solve their emotional and personal problem.
- vi)** Making the provision of virtual classroom to the students.

**e) Future planning:**

- i)** To organize more no. of soft skill development programme for students to improve their language skills & etiquettes.
- ii)** To introduce more number of short term certified courses which will help the students to meet the requirements as per the demand of industry.
- iii)** Planning to have more numbers of projects for third year students.
- iv)** Planning to have local and outstation industrial visits and study tours for all students which expose the students to the real world and provide an opportunity of on-site study.
- v)** Progressing the infrastructure of the departmental lab.
- vi)** Incorporating the use of electronic media and information and communication technologies (ICT) in education (E-learning) such as: TEL, IBT

**Department of Electronics**  
**Annual Report (2020-21)**

1. **Name of the department** : Electronics
2. **Year of Establishment** : 1985
3. **Names of Programmes / Courses offered** : **No. of Certificates Course/s:** 01  
(Certificate, UG, PG, M.Phil., Ph.D.,  
Integrated Masters; Integrated Ph.D., etc.) **UG:** B. Sc.  
**PG:** Nil
4. **Names of Interdisciplinary courses and the departments/units involved**
  - i) Physics Maths Electronics (PME)
  - ii) Electronics Computer Science Maths (ECoM)
5. **Names of Certificate Courses if any:** IoT Devices (Under Jeevan Shikshan Abhiyan)
6. **Collaborations / MoUs if any:** Nil
7. **Programme wise Annual/ semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B. Sc	-	Yes	-
2.	M. Sc II	-	-	-
3.	Certificate Courses	-	-	-

**8. Number of Teaching posts:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-
2.	Associate Professor	-	-
3.	Assistant Professor	03	01

**9. Teaching Faculty:**

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Dr. Mrs. Varsha V. Rangari	M. Sc., Ph.D., SET	Associate Professor & Head	12.05.2007	15 years
2.	Mrs. Leena Thakre	M. Sc., SET	CHB, Approved by RTMNU	2021-22	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Lab. Assistant	01	01
2.	Lab. Attendant	01	00

**11. Number of activities organized: Nil**

**12. Infrastructural Facilities:**

**a) Laboratory:**

Have well equipped Laboratory for hardware experiments and Computer lab. for programming

**b) Museum: No**

**c) Library:**

Departmental library with around 40 books donated by Ex-Faculty of the department

**d) ICT facilities:**

Yes, one projector and internet facility.

**e) E-books: 09**

**f) Staff room: Yes**

**13. Online Teaching assistance:**

**a) Google meet: Yes**

**b) Google forms: Yes**

**c) Zoom platform: Yes**

**d) Microsoft team: Yes**

**e) YouTube channel link: Nil**

f) **Number of videos / lectures available on YouTube channel:** Nil

**14. Faculty Profile:**

- a) **Dr. Varsha Rangari**, Associate Professor & Head of the Department
  - i) **Research Papers Published:** Nil
  - ii) **Books Published/ Edited:** Nil
  - iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
  - iv) **Guest Lectures Delivered:** Nil
  - v) **Seminars / Conferences / Workshops attended:** Nil
  - vi) **FDP attended:** Nil
  - vii) **Awards / Recognitions received:** Nil
- b) **Mrs. Leena Thakre**, CHB approved by RTM Nagpur University
  - i) **Research Papers Published:** Nil
  - ii) **Books Published/ Edited:** Nil
  - iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
  - iv) **Seminars / Conferences / Workshops attended:** Nil
  - v) **FDP attended:** Nil
  - vi) **Awards / Recognitions received:** Nil

**15. Students Achievements if any:** Nil

**16. Student Research Projects if any:** 02

**17. Diversity of Students:**

- i) **Total number of students enrolled:** 104
- ii) **Number of Students from home state:** 104
- iii) **Number of Students from other state:** Nil

**18. Student strength & Result Analysis:**

<b>Name of the Semester</b>	<b>Enrolled Students</b>	<b>Appeared Students</b>	<b>Pass students</b>	<b>Pass percentage</b>
B. Sc. Sem.-I	31	31	31	100
B. Sc. Sem.-II				
B. Sc. Sem.-III	35	35	34	97
B. Sc. Sem.-IV	35	34	33	97
B. Sc. Sem.-V	38	37	33	89.1
B. Sc. Sem.-VI	38	37	34	91

**19. Student progression**

Student progression	Against % enrolled
UG to PG	40-50%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Nil
➤ Campus selection	
➤ Other than campus recruitment	
Entrepreneurship /Self-employment	Nil

- 20. Awards / Recognitions received by the students:** Nil
- 21. Teaching methods adopted to improve student learning:**
- i) Seminars and Guest Lectures
  - ii) Hands on training
  - iii) Power point presentation
  - iv) Use of simulation
- 22. Participation in Institutional Social Responsibility (ISR) and Extension activities:**
- i) Being a Member of NSS Committee of the college, actively conducts various social activities.
- 23. Creativity & Innovations if any:** Nil
- 24. SWOC analysis of the department and Future plans:**
- a) **Strength:**
    - i) Competent and well qualified staff.
    - ii) Good results as compared to other colleges.
    - iii) Availability of Research facilities.
  - b) **Weaknesses:**
    - i) Insufficient teaching staff.
    - ii) Input of low caliber students
  - c) **Opportunity:**
    - i) Most UG students can do PG in Electronics.
    - ii) Students can appear for Competitive examination.
    - iii) Employment in Electronics & research Industries.
  - d) **Challenges:**
    - i) Less scope to Electronics Science since B.E. in Electronics are more preferred.
    - ii) Less job opportunities in pure Electronics.
  - e) **Future planning:**

- i)** To enhance students' exposure to the development in the field of electronics
- ii)** Plan to organize skill-oriented workshops, so that students can get hands on training.
- iii)** To Start more certificate course on skill-oriented topics & add-on courses.
- iv)** To start interdisciplinary research work.
- v)** To reuse the discarded smart mobile phone as a server to store the Electronics subject related information for the electronics students



## Department of Languages

### Annual Report (2021-22)

1. **Name of the department** : Languages
2. **Year of Establishment** : 1968
3. **Names of Programmes / Courses offered** : **No. of Certificates Course/s:** 02  
(Certificate, UG, PG, M.Phil., Ph.D.,  
Integrated Masters; Integrated Ph.D.,  
etc.) **UG:** B. Sc.  
**PG:** Nil
4. **Names of Interdisciplinary courses and the departments/units involved:**
  - i) English
  - ii) Supplementary English
  - iii) Hindi
  - iv) Marathi
  - v) Sanskrit
5. **Names of Certificate Courses if any:**
  - i) Certificate Course in Communication Skills and Personality Development
  - ii) Certificate Course in Skill Development for Competitive Exams
6. **Collaborations / MoUs if any:** Nil
7. **Programme wise Annual/ semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B. Sc	-	Yes	-
2.	Certificate Courses (hrs)	-	-	-

8. **Number of Teaching posts:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Assistant Professor (Full Time)	01	01

9. **Teaching Faculty:**

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
<b>English</b>					
1.	Dr. Akhilesh Peshwe	B.Sc., M.A, L.L.B, M.Ed. (Texas)	Principal	14.03.2016	6 years 2 months
2.	Dr. S. A. Deshpande (English)	B.Tech, M.A, SET, Ph.D.	Assistant Professor & Head	07.02.2007	15 years 3 months
<b>Hindi</b>					
3.	Dr. Rajesh Pashine	-	Honorary Faculty (Junior College Lecturer)	NA	NA
<b>Marathi</b>					
4.	Mrs. Yogita Acharya	-	Honorary Faculty (Junior College Lecturer)	NA	NA
<b>Sanskrit</b>					
5.	Mrs. Vishakha Kaskhedikar	-	Honorary Faculty (Junior College Lecturer)	NA	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	NA	NA	NA

**11. Number of activities organized: 05**

**English Department:**

- 1) Bridge Course in English (Preposition): 24/11/21 to 30 11/21
- 2) English Literature Gateway: 18-12-2021
- 3) English Language Junction: 13-01-2022

- 4) Writing Stories from Given Outline: 01-04-2022
- 5) Five Stars of India (Scrapbook): 30-04-2022

**Hindi:** Nil

**Marathi:** Nil

**Sanskrit:** Nil

**12. Infrastructural Facilities:**

- a) **Library:** Nil
- b) **ICT facilities:** (Desktop and Printers)
- c) **E-books:** 20
- d) **Staff room:** 01

**13. Online Teaching assistance:**

- a) **Google meet:** No
- b) **Google forms:** Yes
- c) **Zoom platform:** Yes
- d) **Microsoft team:** Yes
- e) **YouTube channel link:** [Shraddha Deshpande - YouTube](#)
- f) **Number of videos / lectures available on YouTube channel:** 19

**14. Faculty Profile:**

**Dr. Akhilesh Peshwe, Principal**

- i) **Research Papers Published:**
- ii) **Books Edited:** 01
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest Lectures Delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP Attended:** Nil
- vii) **Awards/Recognitions received:** 01
  - i. **Dr. Akhilesh Peshwe, Principal, DMPDMSC,** on Teachers' Day 5th September 2021, had being selected as the Best Principal of the year 2021 by Rashtrasant Tukadoji Maharaja Nagpur University, Nagpur and honoured with **Dr. R. Krishna Kumar Gold Medal** in recognition of services rendered by him.

**Dr. Shraddha Deshpande, Assistant Professor and Head of the Department**

- i) **Research Papers Published:** 02
  - 1) Investigation of the Role of Goal Setting Objectives and its Outcomes among Young Learners, Peer-Reviewed Journal, International Journal of English Literature and Social Sciences Vol-6, Issue-4; Jul-Aug, 2021 Journal Home Page Available: <https://ijels.com/> Journal DOI: 10.22161/ijels.
  - 2) The study of Role of Rotaract Clubs in granting Incentives and Rewards and promoting Motivation with special reference to McClelland's Theory of Motivation published in Seminar Proceedings of NAAC Sponsored

Seminar on Quality Enhancement and Sustenance measures in Teaching, learning and Assessment organised by R. S. Mundle Dharampeth Arts and Commerce College, Nagpur ISBN No. 978-81-925323-1-8 on 20 January 2022.

**ii) Papers Presented: 01**

- 1) Study of Associative Meanings of War Neurosis in the Works of Saadat Hasan Manto's Short Stories presented in Two days e-international Conference on Post-Colonial Writings: New and Emerging Concerns organised jointly by Bar. Sheshrao Wankhede Mahavidyalay, Mohpa, Rajkumar Kewalramani Kanya Mahavidyalaya, Nagpur, Vasantaro Naik Government Institute of Arts and Social Sciences, Nagpur held on 20-21 August 2021.

**iii) Books Edited: Nil**

**iv) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**v) Guest Lectures Delivered: 07**

- 1) Delivered a Guest Lecture on 'Dialogue Writing 'in Career Oriented Diploma Course Communication Skills and Personality Development by Shri Binzani City College, Nagpur on 7<sup>th</sup> June 2021.
- 2) Delivered a Guest Lecture on 'Note Making' in Career Oriented Diploma Course Communication Skills and Personality Development by Shri Binzani City College, Nagpur on 8<sup>th</sup> June 2021.
- 3) Delivered a Guest Lecture on 'Yoga to Balance Chakras on 21 June 2021 on the occasion of International Yoga Day organized by Dharampeth M. P. Deo Memorial Science College, Nagpur.
- 4) Delivered a Guest Lecture on 'Yoga to Balance Chakras on 21 June 2021 on the occasion of International Yoga Day organized by Matru Sewa Sangh Institute of Social Work, Nagpur.
- 5) Delivered a Guest Lecture on 'Enhancement of Interpersonal Skills' on 6 August 2021 as a part of the One Week Administrative Training Program organized by the IQAC of Shri Binzani City College, Nagpur.
- 6) Delivered a Guest Lecture on 'Vowels' on 13 December 2021 organized by the Prerna College of Commerce, Nagpur.
- 7) Delivered a Guest Lecture on 'Consonants' on 14 December 2021 organized by the Prerna College of Commerce, Nagpur.

**vi) Seminars / Conferences / Workshops attended: 02**

- 1) Attended online workshop on "Drafting Policies and Procedures" organised by the IQAC of The KET's V. G. Vaze College of Arts, Science and Commerce (Autonomous) on 14th June, 2021.
- 2) Attended online NAAC Sponsored National Seminar on Quality Enhancement and Sustenance Measures in Teaching, Learning and Assessment organised by the IQAC of R. S. Mundle, Dharampeth Arts & Commerce College, Nagpur on 20 January 2022.

**vii) FDP Attended: 01**

- 1) Attended ONLINE FDP ON “PROFESSIONAL ETHICS” organised jointly by the Internal Quality Assurance Cells of the collaborating Institutions on 30th May, 2022.

viii) **Awards/Recognitions received:**

ix) **Other:**

- 1) **Certifications:** Received ‘ELITE’ NPTEL Online Certification, Funded by the Ministry of HRD, Government of India, Course: Trauma and Literature with a score of 80%. (July-Oct 2021)
- 2) **Master of Ceremonies:** Worked as Master of Ceremonies in the E-Seminar on 'Benefits of Reading Books' on Sunday, May 2, 2021 conducted by Indian Society for The Promotion of English Language & Literature (iSPELL).
- 3) **Internship Programme:** Completed a 12-hour Counselling Internship Program with Positive Wings Wellness Academy, Nagpur on 24th April 2021.
- 4) **Appointment:** Appointed as Forum Co-convener of iSPELL Vidarbha Forum on 8<sup>th</sup> Aug 2021.
- 5) **Published Blogs:**
  - a) <https://learnlifesimplify.blogspot.com/2022/01/be-little-mad-be-little-sane.html>
  - b) <https://learnlifesimplify.blogspot.com/2021/12/at-last-spider-man-did-it.html>
  - c) <https://learnlifesimplify.blogspot.com/2022/01/be-little-mad-be-little-sane.html>
  - d) <https://www.linkedin.com/pulse/magic-note-making-shraddha-deshpande>

15. **Students Achievements if any:** Nil

16. **Student Research Projects if any:** Nil

17. **Diversity of Students:**

- i) **Total number of students enrolled:**
- ii) **Number of Students from home state:**
- iii) **Number of Students from other state:**

18. **Student strength & Result Analysis: -**

Name of the Semester	Enrolled Students	Appeared Students	Pass Students	Pass Percentage
<b>Compulsory English</b>				
B. Sc. Sem.-I	256	237	230	97.00
B. Sc. Sem.-II	255	255	236	92.54
<b>Supplementary English</b>				
B. Sc. Sem.-I	44	43	43	100.00
B. Sc. Sem.-II	40	40	36	90.91

<b>Hindi</b>				
B. Sc. Sem.-I	118	114	113	99.1
B. Sc. Sem.-II	116	116	106	91.38
<b>Marathi</b>				
B. Sc. Sem.-I	92	90	86	95.5
B. Sc. Sem.-II	91	91	86	94.51
<b>Sanskrit</b>				
B. Sc. Sem.-I	4	4	4	100.00
B. Sc. Sem.-II	4	4	4	100.00

### 19. Student progression

Student progression	Against % enrolled
UG to PG	NA
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed ➤ Campus selection ➤ Other than campus recruitment	Nil
Entrepreneurship /Self-employment	Nil

### 20. Awards / Recognitions received by the students:

- 1) Platinum Distinction Award to Rotaract Club of DMPDSVM by District 3030
- 2) Special award for 100% giving to Rotaract Club of DMPDSVM for successful donation to Rotary Foundation.
- 3) Rising star Award for Rotaract Club of DMPDSVM for doing excellent work, given by District 3030. (Half yearly)
- 4) Rtr. Sakshi Giri: DRR Special Recognition for active participation.
- 5) Rtr. Sanchita Puntambekar: Miss Rotacon for excellent performance in ROTACON Conference
- 6) Rtr. Shardul Moharil: Best Active participant in ROTACON Conference.

### 21. Teaching methods adopted to improve student learning:

- 1) Flipped Classrooms
- 2) Inquiry based Learning
- 3) Discussion based Learning

### 22. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- 1) Students' participation in Rotaract Club activities
- 2) Students' participation in NSS activities

**23. Creativity & Innovations if any:**

- 1) English Literature Gateway: Students created quotes on their own.
- 2) Pictionary: Students created a Pictionary for reference

**23. SWOC analysis of the department and Future plans:**

**a) Strength:**

- 1) High Profile faculty
- 2) Teaching learning methodology
- 3) Strengthening of Social and Human Values among students
- 4) Rapport with students

**b) Weaknesses:**

- 1) Handling large classrooms
- 2) Lack of Connect due to online mode of teaching
- 3) Lack of seriousness about language learning

**c) Opportunity:**

- 1) Communication Skills and Personality Development Courses
- 2) Skill Development for Competitive Exams Courses
- 3) GRE, TOEFL Courses

**d) Challenges:**

- 1) Adjustment of bigger batches
- 2) Time constraints to improve poor grammar and vocabulary skills
- 3) Mixed ability classrooms

**e) Future planning:**

- 1) To focus on English Language Communicative Skills Development
- 2) To update teaching learning methods of English language learning
- 3) To incorporate activity-based learning programmes

## Department of Home Science Annual Report (2021-22)

1. **Name of the department** : Home Science
2. **Year of Establishment** : 1981
3. **Names of Programmes / Courses offered** : **No. of Certificates Course/s:** 01  
(Certificate, UG, PG, M.Phil., Ph.D.,  
Integrated Masters; Integrated Ph.D.,  
etc.) UG: B. Sc.  
PG: Nil
4. **Names of Interdisciplinary courses and the departments/units involved**  
  - All the Subjects are compulsory
5. **Names of Certificate Courses if any:**  
Basics of Pattern Making & Embellishment
6. **Collaborations / MoU's if any:** Nil
7. **Programme wise Annual/ semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B.Sc. H. Sc.	-	Yes	-
2.	M.Sc. II	-	-	-
3.	Certificate Courses	-	-	-

### 8. Number of teaching posts:

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-
2.	Associate Professor	-	-



3.	Assistant Professor	07	01
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**9. Teaching Faculty:**

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Mrs M.M.Deshpande	M.Sc., M.Phil.	Professor & Head	16.11.1987	33years
2.	Dr Manda Walokar	M.Sc., Ph.D.	CHB, Approved by RTMNU	2021-22	NA
3.	Dr Mayura Kathane	M.Sc., Ph.D.	CHB, Approved by RTMNU	2021-22	NA
4.	Dr. Srilakshmi Potluri	M.Sc., Ph.D.	CHB, Approved by RTMNU	2021-22	NA
5	Pradnya Bagalkote	M.Sc., NET	CHB, Approved by RTMNU	2021-22	NA
6	Dr.Ashwini Meshram	M.Sc., Ph.D.	CHB, Approved by RTMNU	2021-22	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Lab. Assistant		

2.	Lab. Attendant	02	02
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**11. Number of activities organized: 15**

- 1) Four Days E Webinar Series by Department of Home Science and IQAC Initiative from 19<sup>th</sup> January till 22<sup>nd</sup> January 2022.
- 2) Lecture on Objectives of ICC IN HEI'S, a programme undertaken in CASH on 23.9.21
- 3) Kanyaka titled e-webinar with objective / A journey of mindfulness as a special Initiative for Girls on 3<sup>rd</sup> December 2021
- 4) On the Occasion of International Adolescent Health Week along with All India Organization namely AACCI & AHA a Webinar on theme "Transitions: Building EQ was arranged for Students on 23<sup>rd</sup> March 22'
- 5) Career Guidance Programme titled Career opportunities in the field of Extension Education on 26.3.22
- 6) Student centric Outreach programme in School for Nutritional Awareness on 6.4.22
- 7) Adolescent Individual Counselling on 23.3.22
- 8) World Health Day celebrated on 7.4.22. Poster competition was arranged on the theme Health.
- 9) International Breast feeding week celebrated by arranging a lecture on the topic: Infant feeding & weaning Recipe
- 10) Distribution of clothes & Bedcovers, blankets in the month of November 21' for the habitat of Melghat.
- 11) Preparation of Cost effective Hand wash for community & preparation of Masks taught to the students in the post Pandemic Situation
- 12) 2-day Work shop on Pattern Making on 4<sup>th</sup> & 5<sup>th</sup> April 2022
- 13) Workshop on Preparation of Teaching Aids on 5<sup>th</sup> April 2022
- 14) Importance of Regional Traditional Chiwada making with different variety & Ingredients & nutritional value on 15.3.22
- 15) Surprise Visit by Damini Police Patrol on 6<sup>th</sup> March 2022. Arrangements made for Healthy Interaction with Girl Students regarding safety, alertness and consciousness by giving examples to make use of mobile gadget, setting a goal in life, attending college regularly.

**12. Infrastructural Facilities:**

- i) Laboratory:** Yes
- ii) Museum:** NA
- iii) Library:** Yes
- iv) ICT facilities:** LCD Facility, Seminar room
- v) E-books:**
- vi) Staff room:** Yes

**13. Online Teaching assistance:**

- i) Google meet:** Yes
- ii) Google forms:** Yes
- iii) Zoom platform:** Yes
- iv) Microsoft team:** Yes
- v) YouTube channel link:** Nil
- vi) Number of videos / lectures available on YouTube channel:** Nil

**14. Faculty Profile:**

**Manju M. Deshpande**, Head of the Department

- i) Research Papers Published:** Nil
- ii) Books Published/ Edited:** Nil
- iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) Seminars / Conferences / Workshops attended:** Nil
- v) FDP attended: 02**
  - 1) 8 Day National Level Faculty Development-cum-Orientation Programme on "Assessment and Accreditation Process of NAAC", A Joint Venture of Internal Quality Assurance Cells of Dharampeth M. P. Deo Memorial Science College, Nagpur, Santaji Mahavidyalaya, Nagpur, Yashoda Girls' Arts & Commerce College, Nagpur, J. M. Patel Arts, Commerce & Science College, Bhandara, Mahila Mahavidyalaya, Nagpur, Dr. M. K. Umathe College, Nagpur, Bar. Sheshrao Wankhede College of Arts & Commerce, Khaperkheda Organized from 20th till 27th September 2021.
  - 2) One Day Faculty Development Program on "Professional Ethics for Teaching and Non-Teaching Staff." Organized jointly by the Internal Quality Assurance Cells (IQACs) of Dharampeth M. P. Deo Memorial Science College, Nagpur J. M. Patel Arts, Commerce and Science College, Bhandara, Dr. M. K. Umathe Arts and Commerce College, Nagpur, Bar. Sheshrao Wankhede Arts and Commerce College, Khaperkheda, Santaji Mahavidyalaya, Nagpur, Mahila Mahavidyalaya, Nagpur, Vidyasagar Kala Mahavidyalaya Khairi (Bijewada),

Ramtek

**vi) Awards / Recognitions received: Nil**

**Dr. Mayura Kathane, CHB approved by RTM Nagpur University**

**i) Research Papers Published: Nil**

**ii) Books Published/ Edited: Nil**

**iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**iv) Seminars / Conferences / Workshops attended: Nil**

**v) FDP attended: Nil**

**vi) Awards / Recognitions received: 01**

1) 1<sup>st</sup> Prize in Paper Presentation in NSI (Nutrition Society of India)

**Mrs. Meghana Pandit, CHB approved by RTM Nagpur University**

**i) Research Papers Published: Nil**

**ii) Books Published/ Edited:**

1) Book -Cum –Journal in Public Health for Science & Home Science based on RTMNU Semester Syllabus

**iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**iv) Seminars / Conferences / Workshops attended: Nil**

**v) FDP attended: Nil**

**vi) Awards / Recognitions received: 01**

1) Awards / Recognition at HAND International Conference for Paper Presentation in Nutrition

**Mrs. Pradnya Bagalkote, CHB approved by RTM Nagpur University**

**i) Research Papers Published: Nil**

**ii) Books Published/ Edited: Nil**

**iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**iv) Seminars / Conferences / Workshops attended: Nil**

**v) FDP attended: Nil**

**vi) Awards / Recognitions received: Nil**

**15. Students Achievements if any: Nil**

**16. Student Research Projects if any: Nil**

**17. Diversity of Students**

➤ **Total number of students enrolled: 91**

➤ **Number of Students from home state:**

- **Number of Students from other state: yes (number not known)**

**18. Student strength & Result Analysis:**

Name of the Semester	Enrolled Students	Appeared Students	Pass students	Pass percentage
B. Sc. H. Sc. Sem.-I	26	26	26	100.00
B. Sc. H. Sc. Sem.-II	26	26	16	61.54
B. Sc. H. Sc. Sem.-III	18	18	18	100.00
B. Sc. H. Sc. Sem.-IV	18	16	16	100.00
B. Sc. H. Sc. Sem.-V	42	41	41	100.00
B. Sc. H. Sc. Sem.-VI	42	41	37	90.24

**19. Student progression**

Student progression	Against % enrolled
UG to PG	40-50%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed ➤ Campus selection ➤ Other than campus recruitment	Nil
Entrepreneurship /Self-employment	Nil

**20. Awards / Recognitions received by the students:**

- 1) Ms. Janhavi Kadu excelled in the Inter University Championship; Selected for National team for Roller Skating

**21. Teaching methods adopted to improve student learning:**

- 1) Google Survey
- 2) Observation Method
- 3) PPT's
- 4) Visits
- 5) Assignments & Work Book Preparation
- 6) Learning by Participating; Interactive Learning in the Class room

**22. Participation in Institutional Social Responsibility (ISR) and Extension activities**

- 1) Preparation of Low Cost hand wash (Community)
- 2) Preparation of Masks

**23. Creativity & Innovations if any: Nil**

**23. SWOC analysis of the department and Future Plans Strength:**

**Strength:**

- 1) Result.
- 2) Internship Programme.
- 3) Certificate Courses.
- 4) Progressive Attitude & Techno Savvy CHB Faculty.

**Weaknesses: Faculty Strength**

- 1) Research mind in Student.

**Opportunity:**

- 1) Skill Based Certificate courses can be arranged for Students.
- 2) Strengthening Student Based Activities.
- 3) Internship at more Allied fields in Home Science.

**Challenges:**

- 1) Class Heterogeneity
- 2) Placements of Students in Allied Branches in Home Science.

**Future planning:**

- 1) Students Learn through healthy Teacher –Student Relationship and shape up their Personality & Soft Skills.
- 2) Project on Environmental Consciousness & Concept of Go Green.
- 3) More of Student Centric Activities.
- 4) Academics & Extra Curricular Activities.
- 5) Avenues where knowledge of Home Science can be applied thereby planning for Viable & Utility Wise Useful Certificate/short term courses in context of Employment or Entrepreneurship.

## Department of Mathematics Annual Report (2021-22)

1. **Name of the department** : Mathematics
2. **Year of Establishment** : 1968
3. **Names of Programmes / Courses offered** : **No. of Certificates Course's:** 02  
(Certificate, UG, PG, M.Phil., Ph.D.,  
Integrated Masters; Integrated Ph.D.,  
etc.) **UG:** B. Sc.  
**PG:** M. Sc. (Mathematics)
4. **Names of Interdisciplinary courses and the departments/units involved**
  - i) Physics, Statistics, Mathematics (PSM)
  - ii) Physics, Electronics, Mathematics (PME)
  - iii) Physics, Chemistry, Mathematics (PCM)
  - iv) Physics, Computer Science, Mathematics (PCoM)
  - v) Computer Science, Statistics, Mathematics (SCoM)
  - vi) Computer Science, Electronics, Mathematics (ECoM)
5. **Names of Certificate Courses if any:**
  - i) Certificate Course in Vedic Mathematics
  - ii) Certificate Course in LATEX
6. **Collaborations / MoUs if any:** Nil
7. **Programme wise Annual/ semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B. Sc	-	Yes	-
2.	M. Sc. (Mathematics)	-	Yes	Yes
3.	Certificate Courses	-	-	Yes

8. **Number of Teaching posts:**

Sr. No.	Name of Post	2021-22

		<b>Sanctioned</b>	<b>Filled</b>
1.	Professor	-	-
2.	Associate Professor	-	-
3.	Assistant Professor	02	01

**9. Teaching Faculty:**

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Dr. N. P. Gaikwad	M. Sc., M.Phil., Ph.D.	Associate Professor	09.02.2007	15 years 6 months
2.	Mr. Roshan Thakre	M. Sc., SET, NET	Assistant Professor (Non-grant), Approved by RTMNU	14.01.2020	6 Months
3	Ms. Swati Theng	M. Sc., SET	CHB Lecturer Approved by RTMNU	10.08.2022	6 Month

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Lab. Assistant	-	-
2.	Lab. Attendant	-	-

**11. Number of activities organized: Nil**

**12. Infrastructural Facilities:**

a) **Classrooms:** 02

1) Separate classrooms for M. Sc. with the capacity of 30 students.

b) **Staff room:** 01



- 1) Well-furnished staff room for the teachers and a separate room for the Head of the department.
  - c) **Library:** Nil
  - d) **ICT Facilities:** Computer, Printer, personal laptop, mobile, etc.
  - e) **E-books:** Nil
- 13. Online Teaching assistance:**
- a) **Google meet:** Yes
  - b) **Google forms:** Yes
  - c) **Zoom platform:** Yes
  - d) **Microsoft team:** Yes
  - e) **YouTube channel link:** No
  - f) **Number of videos / lectures available on YouTube channel:** Nil

**14. Faculty Profile:**

**Dr. N. P. Gaikwad**, Assistant Professor & Head of the Department

- i) **Research Papers Published:** NIL
- ii) **Books Chapter Published/ Edited:** 01
  - 1) “Modified Theories of Gravitation”, Recent Advancements in Science and Technology Research, **ISSN/ ISBN No.** 978-81-950858-9-7
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest Lectures Delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** 01
  - 1) Presented Research Paper entitled “Magnetized String Cosmological Model in Rosen’s Gravity” in 3<sup>rd</sup> International Conference On Recent Trends & Technology (ICRTST-2021) on June 19-20, 2021.
- vi) **FDP attended:** Nil
- vii) **Awards / Recognitions received:** Nil

**Mr. Roshan Thakre**, Assistant Professor (Non-Grant), approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Books Published/ Edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest Lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP attended:** Nil
- vii) **Awards / Recognitions received:** Nil

**Ms. Swati Theng**, Assistant Professor (Non-Grant), approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Books Published/ Edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil

- iv) **Guest Lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP attended:** Nil
- vii) **Awards / Recognitions received:** Nil

**15. Students Achievements if any:** Nil

**16. Student Research Projects if any:** Nil

**17. Diversity of Students:**

- i) **Total number of students enrolled:** 468
- ii) **Number of Students from home state:** 463
- iii) **Number of Students from other state:** 05

**18. Student strength & Result Analysis:**

Name of the Semester	Enrolled Students	Appeared Students	Pass students	Pass percentage
B. Sc. Sem.-I	148	147	144	97.29
B. Sc. Sem.-II	146	146	134	98.78
B. Sc. Sem.-III	149	149	149	100.00
B. Sc. Sem.-IV	149	149	148	99.32
B. Sc. Sem.-V	166	166	166	100.00
B. Sc. Sem.-VI	166	164	162	98.72
M.Sc. Sem-I	18	18	18	100.00
M.Sc. Sem- II	17	17	17	100.00
M.Sc. Sem-III	23	23	23	100.00
M.Sc. Sem IV	23	23	23	100.00

**19. Student progression:**

Student progression	Against % enrolled
UG to PG	40-50
PG to M. Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>➤ Campus selection</li> <li>➤ Other than campus recruitment</li> </ul>	Nil

Entrepreneurship /Self-employment	Nil
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20. **Awards / Recognitions received by the students:** Nil
21. **Teaching methods adopted to improve student learning:** Nil
22. **Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil
23. **Creativity & Innovations if any:** Nil
24. **SWOC analysis of the department and Future plans:**
- a) **Strength:**
    - i) Highly Qualified and Dedicated Teaching Staff
    - ii) Extensive Student- Teacher Interaction.
    - iii) Full time years Post graduate affiliated to RTM Nagpur University, Nagpur
  - b) **Weaknesses:**
    - i) Industry views are yet to be introduced.
    - ii) Lack of Teaching staff
  - c) **Opportunities:**
    - i) Scope to do Masters in Industrial Mathematics having high jobs.
    - ii) Post-Graduation in Mathematics opens up opportunities in the teaching field.
  - d) **Challenges:**
    - i) Children from low socio-economic backgrounds might not be sufficiently exposed to the necessary resources and experiences for [learning mathematics](#) concepts.
  - e) **Future planning:**
    - i) Improve upon the student's results profile.
    - ii) Intensive Student-Teacher interaction.
    - iii) Publishing research papers in UGC approved journals.
    - iv) To obtain Minor Research Project for the Department.
    - v) More participation of the Department in Extension activities.
    - vi) To arrange guest lectures of eminent Mathematicians for students.
    - vii) To enhance the Research activities of the Department.

## Department of Microbiology

### Annual Report (2021-22)

1. **Name of the department** : **Microbiology**
2. **Year of Establishment** : 1986
3. **Names of Programmers/Courses offered** : **No. of Certificates Course/s: 01**  
(Certificate, UG, PG, M.Phil., Ph.D.,  
Integrated Masters; Integrated Ph.D., etc.) **UG: B.Sc.**  
**PG: Nil**
4. **Names of Inter-disciplinary courses and the departments/units involved**
  - i) Chemistry, Zoology, Microbiology (CZM)
  - ii) Chemistry Botany Microbiology (CBM)
  - iii) Public health and Communication in Home Science (Semester-V &VI)
5. **Names of Certificate Courses if any: 01**
  - i) UGC's Certificate course in **Bioinformatics**.
6. **Collaborations / MoUs if any: Nil**
7. **Program-wise Annual/semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B.Sc.	-	Yes	-
2.	M.Sc. II	-	-	-
3.	Certificate Courses	01	-	-

#### 8. Number of teaching posts:

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-
2.	Associate Professor	-	-
3.	Assistant Professor	04	02

#### 9. Teaching Faculty:

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Dr. Mrs. A. S. Kulkarni	M. Sc., Ph.D.	Asso. Professor & Head	16.11.1987	35
2.	Dr. Mrs. V. R. Kathoke	M. Sc., Ph.D.	Asso. Professor	01/8/1990	32
3.	Mrs. Sadiya Deshmukh	M. Sc., SET	CHB, Approved by RTMNU	2021-22 First session	NA
4.	Pratiksha Pohekar	MSc. PhD	CHB, Approved by RTMNU	2021-22	NA
5.	Diksha Zade	M. Sc., SET	CHB, Approved by RTMNU	2021-22	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Lab. Assistant	01	01
2.	Lab. Attendant	02	01

**11. Number of activities organized: 10**

- 1) Tree plantation program at NIT Dhaba
- 2) Creating awareness about Covid-19 vaccination among the people in the society (A survey)
- 3) Visit to NEERI on an Open Day 26/9/2021
- 4) A webinar - zoom platform on STRESS MANAGEMENT IN COVID-PANDEMIC
- 5) Visit to Science Exhibition “Vigyan Sarvatra Pujyate”
- 6) Webinar on the theme: Biotechnological advancement in extraction and optimisation of enzymatic process in Biodiesel production with special reference

to its biochemistry.

- 7) Three days' webinar series
- 8) Workshop On PCR technique and Biofertilizer production technology
- 9) Intercollegiate Video Making Competition
- 10) Students seminars of Sem IV and Sem VI

**12. Infrastructural Facilities:**

a) **Laboratory:**

The laboratory admeasures 69.7 sq. m.

b) **Instrumentation Room:**

Admeasures 22.2 Sq. m.

c) **Library:**

The departmental library is small and is set up in the instrumentation room. It has collection of around 150 books and some journals.

d) **ICT facilities:**

Departmental laboratory is equipped with ICT facility.

e) **E-books:** 05

f) **Staff room:**

The departmental staff room is well furnished with all basic amenities.

**13. Online Teaching assistance:**

- a) **Google meet:** Yes
- b) **Google forms:** Yes
- c) **Zoom platform:** Yes
- d) **Microsoft team:** Yes
- e) **YouTube channel link:** [Microbiology Made Easy - YouTube](#)
- f) **Number of videos / lectures available on YouTube channel:** 05

**14. Faculty Profile:**

**Dr. Mrs. A. S. Kulkarni**, Vice Principal, Associate Professor & Head of the Department

- i) **Research Papers Published:** Nil
- ii) **Books published/ edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** 04
  - 1) International Webinar on Climate Change and Public Health organized by Sevadal Mahila Mahavidyalaya Nagpur and Dr. Khatri Mahavidyalaya Chandrapur, in collaboration with Jugdamba College of Engineering and Technology Yawatmal and VMS Research Foundation dated 24,25July 2021.
  - 2) International Webinar on Enhancing Research Competence to attain Impact Visibility and Citation, Organised by Santaji Mahavidyalaya Nagpur dated 29<sup>th</sup> July 2021.

- 3) participated virtual international conf. on multifunctions Advance Materials organized by Jivan Vikas Mandal Degree College Navi Mumbai dated 9, 10<sup>th</sup> Aug 2021.
- 4) International E conf. on Sustainable and Futuristic Materials organized by J. M. Patel Arts commerce and Science College Bhandara in collaboration --- dated 29, 30 Nov 2021.

**vi) FDP attended: 01**

- 1) Online Faculty Development Program on Professional Ethics organized by Dharampeth Science College in Collaboration dated 30 May 2022.

**vii) Awards/Recognitions received:**

- 1) Patent No. 2021106927 on Invention Process for Preparation of Antimicrobial Nanoimulsion. Dated 24<sup>th</sup> Aug 2021
- 2) Patent No 2021106936 on Invention Nanoimulsion Composition and Method of Preparation Thereof. Dated 1<sup>st</sup> Dec 2021
- 3) Three students were awarded PhD under Dr. Mrs. A. S. Kulkarni
  - i) Mr. Abhishek Mokase
  - ii) Ms Vaishali Pimple
  - iii) Mrs. Seema Nimbarte

**Dr. Mrs. V. R. Kathoke.** Associate Professor

- i) **Research Papers Published:** Nil
- ii) **Books Published/ Edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest Lectures Delivered:** Nil
- v) **Seminars / Conferences / Workshops attended: 01**
  - 1) Participated in Online Webinar Session organized by ICFAI Business School Pune Prof. Anupama Tadamarla – Associate Dean Prof. Jyoti Tilak -Director, IBS Pune, “Teaching Techniques in Covid Era to Make Online Classes Interactive” 13th August 2021
- vi) **FDP attended: 01**
  - 1) National Level Faculty Development-cum-Orientation Programme on A Joint Venture of Internal Quality Assurance Cells collaborating institutes Assessment and Accreditation Process of NAAC 20th to 27th September 2021.
- vi) **Awards/Recognitions received:** Nil

**Mrs. Sadiya Deshmukh,** SET, approved by RTM Nagpur University, Nagpur

- i) **Research Papers Published:** Nil
- ii) **Books published/ edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP attended:** Nil

vii) **Awards/Recognitions received:** Nil

**Dr. Pratiksha Pohekar** PhD, approved by RTM Nagpur University, Nagpur

- i) **Research Papers Published:** Nil
- ii) **Books published/ edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP attended:** Nil

**Miss Diksha Zade**, SET, approved by RTM Nagpur University, Nagpur

- i) **Research Papers Published:** Nil
- ii) **Books published/ edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP attended:** Nil
- vii) **Awards/Recognitions received:** Nil

**15. Students Achievements if any:**

**Miss Nandini Hadge**

- 1) Won 3<sup>rd</sup> place in **International** Microbiology Olympiad organized by Microbiologist society, India. Jharkhand unit in association with Micro-Olympiad committee in collaboration with Dr. Microbiologist on 15<sup>th</sup> September, 2021.

**News link:** <https://thelivenagpur.com/2021/09/15/nandini-hagde-student-of-dharampeth-m-p-deo-memorial-science-college-wins-third-rank-in-international-microbiology-olympiad/>

**16. Student Research Projects/internship if any:**

- 1) Five students of Microbiology were selected for summer Internship Program at VNIT under the project Isolation of Beneficial Microorganisms from Soil Samples. Dated 2<sup>nd</sup> May 2022.

**17. Diversity of Students:**

- i) **Total number of students enrolled:** 197
- ii) **Number of Students from home state:** 197
- iii) **Number of Students from other state:** Nil

**18. Student strength & Result Analysis:**

Name of the Semester	Enrolled Students	Appeared Students	Pass students	Pass percentage
B. Sc. Sem.-I	71	71	71	100



B. Sc. Sem.-II	71	71	68	95.77
B. Sc. Sem.-III	55	55	54	98.78
B. Sc. Sem.-IV	54	54	54	100.00
B. Sc. Sem.-V	71	71	70	98.57
B. Sc. Sem.-VI	70	70	67	95.71

### 19. Student progression:

Student progression	Against % enrolled
UG to PG	35-40%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Nil
<ul style="list-style-type: none"> <li>➤ Campus selection</li> <li>➤ Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	Nil

### 20. Awards/Recognitions received by the students:

- 1) Manali Shinde Participated in 30 hrs online course on Basics in Genomics and Proteomics Organised by Microbiology Society India from 29<sup>th</sup> Jan to 7<sup>th</sup> Feb 2022
- 2) Anjali Pali of Department of Microbiology of the Dharampeth M. P. Deo Memorial Science College secured **First Position** and **Gold Medal** in National level Microbiology Quiz Competition organized by Botanista Committee Zharkhand, Winners of National Microbiology Quiz Contest: - Rank 1 - Anjali Pali(42/50)  
<https://thelivenagpur.com/2021/11/08/dharampeth-m-p-deo-memorial-science-college-anjali-pali-secures-first-position-in-national-level-microbiology-quiz-competition/>
- 3) Nandini Suresh Hadge of Dharampeth M. P. Deo Memorial Science College Sem II Won **Third Rank** in International Microbiology Olympiad Conducted by Microbiologist Society of India Jharkhand unit, Microbio Olympiad Committee St.Xavier's College ,Ranchi in collaboration with Dr.Microbiologist. 15<sup>th</sup> Sept 2021.
- 4) Nandini Hadge successfully completed International Online Certificate Course of 4 weeks in Medical Bacteriology with distinction organized by Microbiology

Society of India

- 5) Nandini Hadge Participated in Intercollegiate wildlife photography competition organized by Sevadal Mahila Mahavidyalaya scored First rank  
<https://thelivenagpur.com/2021/09/15/nandini-hagde-student-of-dharampeth-m-p-deo-memorial-science-college-wins-third-rank-in-international-microbiology-olympiad/>  
<https://thelivenagpur.com/2021/09/15/nandini-hagde-student-of-dharampeth-m-p-deo-memorial-science-college-wins-third-rank-in-international-microbiology-olympiad/>
- 6) Achal Yadav Sem 5 valuable services in community Engagement as a part of team “Beat Covid Campaign” initiated by M. G. National council of Rural Education, Hyderabad 1/6/2021 to 30/6/2021 during this campaign she provided Psycho social support to Covid affected patients and their families.
- 7) Juhi Chaudhari Sem 2, In IIT spoken course got maximum marks – 80 out of 100
- 8) Jagruti Dhanraj Warkar Sem 2 participated in National Level Quiz competition at Kamla Nehru Mahavidyalaya secured 88% marks dated 29/4/2022.
- 9) SGT Poonam Chauragade Sem 4 Passed a preliminary test for Shooting Firing competition at Pune

**21. Teaching methods adopted to improve student learning:**

- 1) You tube videos
- 2) Organizing competitions
- 3) By arranging seminars and GD
- 4) By providing additional reading material and notes
- 5) By giving home assignments
- 6) Unit tests through Google forms

**22. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

**Dr. Vidya R. Kathoke**

- 1) Financial assistance was provided to students coming from economically weak background, so that the students could complete their education & would become self-reliant in future with this objective under ISR two students were given financial assistance.
  - i. Prachi Narendra Larokar SemI, BHSc Home Science – 1500/- Rs for admission
  - ii. Balraj Welda Sem III Microbiology—2500 /- Rs for admission
- 2) Students of Department of Microbiology Prepared Video to Create Awareness in Society towards Vaccination among the people in the society (A survey)  
[https://docs.google.com/forms/d/e/1FAIpQLScY\\_wzPSLfit68tOJC75EsL4bB\\_XZdrDbxnJgcN4kqIqfz1w/viewform](https://docs.google.com/forms/d/e/1FAIpQLScY_wzPSLfit68tOJC75EsL4bB_XZdrDbxnJgcN4kqIqfz1w/viewform)  
You tube link: <https://youtu.be/OtpxRNFvPn4>

**23. Creativity & Innovations if any:**

- 1) Snake and Ladder a Health Game

**24. SWOC analysis of the department and Future Plans Strength:**

- a) **Strength**
  - i) Faculty dynamics and interactions within the department is very good.
  - ii) Senior and experienced teaching and non-teaching staff known for its efficiency.
  - iii) Well-equipped laboratory with adequate instruments.
  - iv) Globally placed alumni.
  - v) Rich regional identity.
  - vi) Faculty-student's dynamics excellent.
  - vii) Departmental library has good collection of books.
  - viii) Consistently good results of the department.
- b) **Weaknesses:**
  - i) Limited access to the resources.
  - ii) Teacher: student ratio inadequate.
  - iii) Less flexibility within the course.
  - iv) Large population of students coming from mofussil area face problems in English conversation.
- c) **Opportunity:**
  - i) Ample scope to develop linkages or MOUs with various industries like Pharma, Food Beverages & Milk, Health care sector, Biofertilizer plant etc
  - ii) Various job opportunities for students to work in Govt. and Public sector or become an entrepreneur.
- d) **Challenges:**
  - i) Limited course flexibility, unable to attract students from other states and overseas.
  - ii) Many a times teachers find it challenging to acquaint the topic in English to the students.
- e) **Future planning:**
  - i) Increase involvement of alumni for students' placements.
  - ii) To apply for research projects.
  - iii) To strengthen collaborations with industries for research and student's internship.

**Department of Physical Education**  
**Annual Report (2021-22)**

1. **Name of the department** : Physical Education
2. **Year of Establishment** : 24/06/1968
3. **Names of Programmes / Courses offered** : **No. of Certificates Course/s:** Nil  
(Certificate, UG, PG, M.Phil., Ph.D., UG: Nil  
Integrated Masters; Integrated Ph.D., etc.) PG: Nil
4. **Names of Interdisciplinary courses and the departments/units involved:** NA
5. **Names of Certificate Courses if any:** Nil
6. **Collaborations / MoUs if any:**  
1) Collaboration with Ku. Pralisha Patil for Archery Club.
7. **Programme wise Annual/ semester/choice-based credit system:** NA
8. **Number of Teaching posts:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-
2.	Associate Professor	-	-
3.	Director of Physical Education	01	Nil

**9. Teaching Faculty:**

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience

<b>1.</b>	Dr. Rahul D. Kalode	M.P.Ed,M.A. B.Ed., Ph.D., NET	Honorary CHB (Lecturer Junior College)	11.08.2010	12 years
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**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2020-21	
		Sanctioned	Filled
<b>1.</b>	Lab. Assistant	-	-
<b>2.</b>	Lab. Attendant	01	Nil

**11. Number of activities organized: 02**

- 1) Regular Practice of Archery and Boxing.
- 2) Every Saturday Archery study club organized online theory classes for archery players on zoom platform.

**12. Infrastructural Facilities:**

**a) Mini Gym:**

- i) Provided with free indoor facilities

**b) Ground Facility:**

- i) Volleyball, Basketball, Archery Arena, Chess, Table-Tennis, Carom, Small Football Ground, Kabaddi ground, Kho-Kho ground, Open Boxing practice

**c) Library: Yes**

**d) E-books: Nil**

**e) Staff room: 01**

**13. Online Teaching assistance:**

- i) **Google meet: No**
- ii) **Zoom platform: Yes**

**14. Faculty Profile:**

**Dr. Rahul D. Kalode**, In charge, Department of Physical Education.

- i) **Research Papers Published: Nil**
- ii) **Books Published/ Edited: Nil**
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**
- iv) **Guest Lectures Delivered: Nil**

**v) Seminars / Conferences / Workshops attended:**

- 1) Two Day Multidisciplinary National Virtual Conference on "Social Implication of Artificial Intelligence on Women Athlete, Women Health & Nutrition in Light of COVID-19 Pandemic" Sponsored by Indian Council of Social Science Research (ICSSR), WRC, Mumbai organised by C. P. & Berar E. S. College Nagpur on 8<sup>th</sup> & 9<sup>th</sup> March 2022.
- 2) National Webinar On "Attaining Positive lifestyle through Exercise & Yoga" Organized by School of Studies in Physical Education and Sports on June 12<sup>th</sup>, 2021 organized by SOS PE, Jiwaji University Gwalior M.P.
- 3) International Webinar On "Physical Fitness and Yoga during and after Covid-19 Pandemic" Tuesday 22<sup>nd</sup> June 2021 organized by Santaji Mahavidyalaya Nagpur.
- 4) 7<sup>th</sup> International Day of Yoga - 2021 & One Day International Virtual Conference on "YOGIC PRACTICES FOR HEALTHY LIFE" Organized by YMCA College of Physical Education, Chennai, Tamil Nadu on 21-06-2021.

**vi) FDP attended: 01**

- 1) Attended the National Level Faculty Development-cum-Orientation Programme on Assessment and Accreditation Process of NAAC organized by IQACs of the collaborating institutions from 20<sup>th</sup> to 27<sup>th</sup> September 2021.

**vii) Awards / Recognitions received: Nil**

**15. Students Achievements if any:**

- 1) Ku. Janhvi Kadu B.Sc. II Home Science bagged Bronze in 10km point road race at National Level Roller Skating Competition held at Mohali month of April 2022, and selected for India team selection trials.
- 2) Mr. Vaibhav Rane B.Sc. II selected at RTMNU Table-Tennis team for West-zone Inter-University competition.
- 3) Mr. Shreyas Chatte B.Sc. I won bronze medal at Inter-Collegiate Athletics competition.

**16. Student Research Projects if any: Nil**

**17. Diversity of Students:**

- i) Total number of students enrolled: NA
- ii) Number of Students from home state: NA
- iii) Number of Students from other state: NA

**18. Student strength & Result Analysis: NA**

**19. Student progression: NA**

**20. Awards / Recognitions received by the students: Nil**

**21. Teaching methods adopted to improve student learning: Nil**

- 22. Participation in Institutional Social Responsibility (ISR) and Extension activities:** Nil
- 23. Creativity & Innovations if any:** Nil
- 23. SWOC analysis of the department and Future plans:**
- a) Strength:**
    - i)** Spacious ground, around 5600 sq.mt. (1.38 acres)
    - ii)** Basket-ball, volley ball, archery arena, Kabaddi, Kho-Kho, small football lawn playing facility on ground.
    - iii)** Facilities like Chess, carom, table-tennis, etc., in indoor games
  - b) Weaknesses:**
    - i)** Full time post of Director of Physical Education is vacant.
    - ii)** No attendant in the department
    - iii)** Lack of Boys and girls changing room
  - c) Opportunity:**
    - i)** Sports person are benefitted in admissions in sports quota.
    - ii)** Many opportunities in services through sport quota.
    - iii)** Health development
  - d) Challenges:**
    - i)** Difficult to manage different on campus games during college hours as the sports students are also engaged in their studies.
    - ii)** Student faces changing difficulty as there is no changing room in the college.
  - e) Future planning:**
    - i)** Planning for Dharampeth Science College Sports Academy.
    - ii)** Development of the overall in sports.
    - iii)** Planning for the Multi-Gym facility.
    - iv)** MOU with other sports clubs.

## Department of Physics Annual Report (2021-22)

1. **Name of the department** : Physics
2. **Year of Establishment** : 1968
3. **Names of Programmes/Courses offered(Certificate, UG, PG, M.Phil., Ph.D., Integrated Masters;IntegratedPh.D.,Etc.)** : **No. of Certificates Course/s: Nil**  
UG: B.Sc.  
PG: Nil
4. **Names of Interdisciplinary courses and the departments/units involved**
  - Physics Chemistry Mathematics (PCM)
  - Physics Statistics Mathematics (PSM)
  - Physics Electronics Mathematics (PEM)
  - Physics Computer Science Mathematics (PCOM)
  - Applied Physics and Basic Computer for B. Sc. (Home Science), Sem.-I & II
  - Applied Physics and Computer Application for B. Sc. (Home Science), Sem.-III & IV)
5. **Names of Certificate Courses if any:** Nil
6. **Collaborations / MoUs if any:** Yes
7. **Programme wise Annual/semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B. Sc.	-	Yes	-
2.	M. Sc II	-	-	-
3.	Certificate Courses	-	-	-

### 8. Number of Teaching posts:

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-



2.	Associate Professor	-	-
3.	Assistant Professor	09	02

**9. Teaching Faculty:**

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Dr. Mrs. S. K. Ubale	M. Sc., Ph.D.	Professor & Head	16.11.1987	33 years
2.	Dr. P.W. Ambekar	M. Sc., M.Phil. Ph.D. .NCC Pre commission	Assistant Professor	16.06.2003	19 years
3.	Mr. Nikhil Somkule	M. Sc., NET.	CHB, Approved by RTMNU	2021-22	NA
4.	Mr. Gitesh Choudhari	M. Sc., SET.,	CHB, Approved by RTMNU	2021-22	NA
5	Mrs. Amrapali Meshram	M. Sc., SET.,	CHB, Approved by RTMNU	2021-22	NA
6	Dr. Shaileshkumar Janbandhu	M. Sc., NET, SET, Ph.D.,	CHB, Approved by RTMNU	2021-22	NA
7	Dr. Ms. Priyanka Virutkar	M. Sc., Ph.D.,	CHB, Approved by RTMNU	2021-22	NA
8	Mr. Roshan Raut	M. Sc., Ph.D.,	CHB, Approved by RTMNU	2021-22	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Lab. Assistant	03	-
2.	Lab. Attendant	08	03

**11. Number of activities organized: 04**

- 1) Plastic recycling workshop- It was held on 8<sup>th</sup> and 9<sup>th</sup> September 2021 between 10am to 2pm in Physics Laboratory. 16 students (10 boys and 6 girls) participated in the workshop. In this workshop students prepared planters from plastic bottles/containers/oilcans.
- 2) Second Plastic recycling workshop was conducted for the students of B.Sc. semester 3 on 15<sup>th</sup> and 16<sup>th</sup> December 2021 between 11.00 am to 1.00 pm.
- 3) There were 8 students (5 boys and 3 girls).
- 4) A training program titled, ‘Grooming and nurturing students for IT placement’, was jointly organized by the department of Physics, Statistics and Mathematics in association with Training and Placement cell of the college. The online training was imparted by the HR head Mr. Suresh Sathiavageeswaran. from TCS (Tata Consultancy Services) on 1<sup>st</sup> February 2022 between 4to 5pm.Around 45 students attended the training program.
- 5) Visit to Science Exhibition - Students visited the science exhibition at VNIT, Nagpur organized by Vidnyan Bharati between 23<sup>rd</sup> February to 28<sup>th</sup> February 2022 along with the staff of Physics and Statistics department.

**12. Infrastructural Facilities:**

**a) Laboratory:**

Yes, 1 General + 1 Dark room and Research Room + 1 Electronics Experiments Laboratory

**b) Library: Yes**

**c) ICT facilities: Yes**

**d) Staff room: Yes**

**13. Online Teaching assistance:**

**a) Google meet: Yes**

**b) Google forms: Yes**

**c) Zoom platform: Yes**

**d) Microsoft team: Yes**

**e) YouTube channel link: Yes**

**f) Number of videos / lectures available on YouTube channel: 02**

1. Newton’s Ring Experiment
2. Lambda of LASER by grating.

**14. Faculty Profile:**

**Prof. Mrs. S. K. Ubale**, Head of the Department

**i) Research papers published: 01**

- 1) Study of Thermal and Electrical Properties of Aluminium Cerium Alloy with Varying Cerium Doping for High Energy Storage Battery Applications, P. W. Ambekar, P. Y. Deshmukh, S. K. Ubale & S. B. Misra, AAI Journal, Vol. 21 pp 20-25 • Issue No. 3 • October 2021, ISSN:2581-6055.

**ii) Books Published/ Edited: Nil**

**iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**iv) Guest lectures delivered: Nil**

**v) Seminars / Conferences / Workshops attended: Nil**

**vi) FDP attended: 02**

- 1) Online faculty development program on professional ethics organized jointly by IQAC of collaborating colleges on 30/05/2022.
- 2) National level faculty development-cum-orientation program on assessment and accreditation process of NAAC organized by IQAC of collaborating colleges between 20<sup>th</sup> September to 27<sup>th</sup> September 2021.

**viii) Awards/Recognitions received:**

- 1) Worked as reviewer for research articles for the following journals
  - ✚ Journal of Engineering Research and Reports in November 2021
  - ✚ Journal of Engineering Research and Reports in October 2021

**Dr. P. W. Ambekar**, Assistant Professor

**i) Research Papers Published: 04**

- 1) Charge transfer mechanism in KNbO<sub>3</sub> dispersed composites of monovalent alkali carbonate, Ferroelectrics, Prashant Ambekar, Jasmirkaur Randhawa and Kamal Singh; FERROELECTRICS (2022), 587:1, 84-94, DOI: 10.1080/00150193.2022.2034418.
- 2) Surface Conductivity of Binary Carbonate as a Performance Governing Parameter of an Electrochemical CO<sub>2</sub> Gas Sensor, Prashant Ambekar and Jasmirkaur Randhawa, Bull. Mater. Sci. (2021) 44:235 <https://doi.org/10.1007/s12034-021-02526-y>.
- 3) Study of Thermal and Electrical Properties of Aluminum Cerium Alloy with Varying Cerium Doping for High Energy Storage Battery Applications, P. W. Ambekar, P. Y. Deshmukh, S. K. Ubale & S. B. Misra, AAI Journal, Vol. 21 pp 20-25 • Issue No. 3 • October 2021, ISSN:2581-6055.
- 4) Ionic and Electronic Transport Studies of Na-Glass Dispersed Ag<sub>2</sub>SO<sub>4</sub> Composite Electrolyte for Electrochemical SO<sub>2</sub> Gas Sensor Application, Jasmirkaur Randhawa & Prashant Ambekar, VIIRJ- ISSN: 2319-4979 SI pp161-169, July 2021, ISSN:2319-4979.

**ii) Books Published/ Edited: 01**

- 1) Advanced Engineering Materials- A Complete Text Book for BE- Sem-II published by Alliance & Company, Nagpur (August, 2021) ISBN 9788195177271.

**iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):**

**iv) Guest lectures delivered: Nil**

**v) Seminars / Conferences / Workshops attended: 04**

- 1) Selected, participated and completed successfully the ‘School on Synchrotron Light Sources and their Applications’ ICTP, Italy during December 6-17, 2021 An ICTP Virtual Meeting Trieste, Italy. Overall, around the world only 100 participants were selected on biodata and recommendation basis.
- 2) Participated in the (One Week) Online Workshop on MOOC's Online Courses and Open Educational Resources organized by UGC HRDC, RTM Nagpur University, Nagpur from 15th November to 20th November, 2021.
- 3) Participated in the National Level Faculty Development-cum-Orientation Programme on Assessment and Accreditation Process of NAAC organized by IQACs of the collaborating institutions from 20th to 27th September 2021.
- 4) Participated and successfully completed online one-week Faculty Development Programme on “Multimedia Tools for Teaching and Learning” from 22 - 28, July 2021 and obtained Grade A+, organized by Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with Sree Narayana College, Nattika, Kerala under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

**vi) FDP attended: 01**

- 1) Participated and successfully completed online one-week Faculty Development Programme on “Multimedia Tools for Teaching and Learning” from 22 - 28, July 2021 and obtained Grade A+, organized by Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with Sree Narayana College, Nattika, Kerala under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

**vii) Awards/Recognitions received: 04**

- 1) **Best Paper Presentation Award** for ‘Effect of Na-Glass Dispersion on Ionic and Electronic Transference in  $\text{Ag}_2\text{SO}_4$ ’, **ICRIPE-2021, Government College of Engineering, Nagpur during July 29-31, 2021.**
- 2) Working as Member of Board of Studies under FRM Board, RTM Nagpur University.
- 3) Working as Treasurer, MRSI, Nagpur Chapter from Nov.26, 2021.
- 4) Life Member of Bharatiya Shikshan Mandal (Reg. No. F-1738, Bombay P. T. Act. 1950), Nagpur since 09-04-2022. Registration Sr. No. 17933.

**viii) Paper Presented in conferences: 02**

- 1) Participated and presented a paper entitled, ‘Electrical transport window for  $\text{Li}_2\text{ZrO}_3$  as an open reference electrode material for solid state

electrochemical gas sensors' at 5th international conference on science and technology for society during June 19-20, 2022 at Goa, India.

- 2) Participated and presented a paper entitled, 'Effect of Na-glass dispersion on ionic and electronic transference in Ag<sub>2</sub>SO<sub>4</sub>' during July 29-30, 2021 at ICRIFE-2021 at GCOE Nagpur, India.

**Mr. Nikhil Somkule**, CHB approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Books Published/ Edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP attended:** Nil
- vii) **Awards/Recognitions received:** Nil

**Mr. Gitesh Choudhari**, CHB approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Books Published/ Edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP attended:** Nil
- vii) **Awards/Recognitions received:** Nil

**Mrs. Amrapali Meshram**, CHB approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Books Published/ Edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP attended:** Nil
- vii) **Awards/Recognitions received:** Nil

**Dr. Shaileshkumar Janbandhu**, CHB approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Books Published/ Edited:** Nil
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted):** Nil
- iv) **Guest lectures delivered:** Nil
- v) **Seminars / Conferences / Workshops attended:** Nil
- vi) **FDP attended:** Nil
- vii) **Awards/Recognitions received:** Nil

**Dr. Ms. Priyanka Virutkar**, CHB approved by RTM Nagpur University

- i) **Research Papers Published:** Nil
- ii) **Books Published/ Edited:** Nil

- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**
- iv) **Guest lectures delivered: Nil**
- v) **Seminars / Conferences / Workshops attended: Nil**
- vi) **FDP attended: Nil**
- vii) **Awards/Recognitions received: Nil**

**Mr. Roshan Raut, CHB approved by RTM Nagpur University**

- i) **Research Papers Published: Nil**
- ii) **Books Published/ Edited: Nil**
- iii) **Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**
- iv) **Guest lectures delivered: Nil**
- v) **Seminars / Conferences / Workshops attended: Nil**
- vi) **FDP attended: Nil**
- vii) **Awards/Recognitions received: Nil**

**15. Students Achievements if any: Nil**

**16. Student Research Projects if any: Nil**

**17. Diversity of Students**

- **Total number of students enrolled: 337**
- **Number of Students from home state: 337**
- **Number of Students from other state: 00**

**18. Student strength &Result Analysis:**

Name of the Semester	Enrolled Students	Appeared Students	Pass students	Pass percentage
B. Sc. Sem.-I	106	106	93	89.42
B. Sc. Sem.-II	103	103	91	88.35
B. Sc. Sem.-III	108	108	107	99.00
B. Sc. Sem.-IV	106	106	102	96.36
B. Sc. Sem.-V	126	126	123	97.62
B. Sc. Sem.-VI	127	127	125	98.43

**19. Student progression**

Student progression	Against % enrolled
UG to PG	50-60%
PG to M. Phil.	NA
PG to Ph.D.	NA

Ph.D. to Post-Doctoral	NA
Employed ➤ Campus selection ➤ Other than campus recruitment	Nil
Entrepreneurship/Self-employment	Nil

**20. Awards/Recognitions received by the students:** Nil

**21. Teaching methods adopted to improve student learning:** Nil

**22. Participation in Institutional Social Responsibility(ISR)and Extension activities:**  
Nil

**23. Creativity & Innovations if any:** Nil

**24. SWOC analysis of the department and Future plans**  
**Strength:**

- 1) Develops logical thinking and scientific reasoning ability of students

**Weaknesses:**

- 1) Depleting no. of regular faculties

**Opportunity:**

- 1) Preparing students for the competitive world

**Challenges:**

- 1) Retaining students no. and their interest in the subject

**Future planning:**

- 1) One or two short term certificate courses could be designed and run for students leading to their self-employment.

**Department of Statistics**  
**Annual Report (2021-22)**

1. **Name of the department** : Statistics
2. **Year of Establishment** : 1978
3. **Names of Programmes /Courses offered(Certificate, UG,PG,M.Phil.,Ph.D.,Integrated Masters;IntegratedPh.D.,Etc.)** : **No. of Certificates Course/s:02**  
UG: B. Sc.  
PG: Nil
4. **Names of Interdisciplinary courses and the departments/units involved**
  - 1) Physics Statistics Mathematics (PSM)
  - 2) Statistics Mathematics Computer Science (SMCom)
5. **Names of Certificate Courses if any: Nil**
6. **Collaborations / MoUs if any: Nil**
7. **Programme wise Annual/semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B. Sc	-	Yes	-
2.	M. Sc II	-	-	-
3.	Certificate Courses	-	-	-

**8. Number of Teaching posts:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-
2.	Associate Professor	-	-
3.	Assistant Professor	03	00

**9. Teaching Faculty:**



Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Ms. Pallavi Potbhare	M.Sc.	Guest Lecturer	NA	NA
2.	Ms. Manjiri Gajarlawar	M.Sc.	Guest Lecturer	NA	NA
3.	Ms. Gauri Sinekar	M.Sc.	Guest Lecturer	NA	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Lab. Assistant	01	-
2.	Lab. Attendant	02	01

**11. Number of activities organized: 05**

- 1) An online lecture entitled, 'Importance of Statistics in different fields and Careers in Statistics', was delivered by Prof Ms. K. S. Bhanu
- 2) Online training program was jointly organized by The training and Placement cell, Physics, Mathematics and Statistics department for the students.
- 3) A series of 3 lectures for the students of B.Sc. semester 6 was held. The lectures were delivered by Dr. Mrs. A. V. Nasery, retired faculty of the college.
- 4) Students and staff members visited Science Exhibition held at VNIT, Nagpur organized by Vidnyan Bharati.
- 5) An online guest lecture was organized for the students of B.Sc. semester 4. The guest faculty was Dr. Mrs. Vrinda Jogalekar, Rtd. Head of Statistics, Hislop College, Nagpur. The topic was, 'Inferential Statistics and its application'.
- 6) **Six** students of B.Sc. 6<sup>th</sup> semester attended a day long workshop organized by the National Statistical Office, Nagpur on account of Diamond jubilee of our Independence on 3<sup>rd</sup> March 2022 at its office.

**12. Infrastructural Facilities:**

- i) **Laboratory:** Yes
- ii) **Library:** Yes
- iii) **ICT facilities:** Yes
- iv) **Staff room:** Yes

**13. Online Teaching assistance:**

- i) Google meet: Nil**
- ii) Google forms: Nil**
- iii) Zoom platform: Nil**
- iv) Microsoft team: Nil**
- v) YouTube channel link: Nil**
- vi) Number of videos / lectures available on YouTube channel: Nil**

**14. Faculty Profile:**

**Ms. Manjiri Gajarlawar, Guest Lecturer**

- i) Research Papers published: Nil**
- ii) Books Published/ Edited: Nil**
- iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**
- iv) Guest lectures delivered: Nil**
- v) Seminars / Conferences / Workshops attended: Nil**
- vi) FDP attended: Nil**
- vii) Awards/Recognitions received: Passed SET examination**

**Ms. Pallavi Potbhare, Guest Lecturer**

- i) Research Papers published: Nil**
- ii) Books Published/ Edited: Nil**
- iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**
- iv) Guest lectures delivered: Nil**
- v) Seminars / Conferences / Workshops attended: Nil**
- vi) FDP attended: Nil**
- vii) Awards/Recognitions received: Nil**

**Ms. Gauri Sinekar, Guest Lecturer**

- i) Research Papers published: Nil**
- ii) Books Published/ Edited: Nil**
- iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**
- iv) Guest lectures delivered: Nil**
- v) Seminars / Conferences / Workshops attended: Nil**
- vi) FDP attended: Nil**
- vii) Awards/Recognitions received: Nil**

**15. Students Achievements if any: Nil**

**16. Student Research Projects if any: Nil**

**17. Diversity of Students:**

- **Total number of students enrolled: 83**
- **Number of Students from home state: 83**
- **Number of Students from other state: 00**

**18. Student strength &Result Analysis:**

<b>Name of the Semester</b>	<b>Enrolled Students</b>	<b>Appeared Students</b>	<b>Pass students</b>	<b>Pass percentage</b>
B. Sc. Sem.-I	25	25	22	88.00
B. Sc. Sem.-II	25	25	19	76.00
B. Sc. Sem.-III	28	28	28	100.00
B. Sc. Sem.-IV	28	28	28	100.00
B. Sc. Sem.-V	31	31	31	100.00
B. Sc. Sem.-VI	31	31	31	100.00

**19. Student progression**

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	40-50%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>➤ Campus selection</li> <li>➤ Other than campus recruitment</li> </ul>	Nil
Entrepreneurship/Self-employment	Nil

**20. Awards/Recognitions received by the students: Nil**

**21. Teaching methods adopted to improve student learning: Nil**

**22. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

Nil

**23. Creativity & Innovations if any: Nil**

**23. SWOC analysis of the department and Future Plans:**

**Strength:**

**Weaknesses:**

- 1) No regular appointment has hampered the growth.

**Opportunity:**

- 1) Data science is the new emerging field where knowledge of Statistics is the base of this subject.

**Challenges:**

- 1) To attract more and more students towards the subject and maintain the inflow.

**Future planning:**

- 1) A certificate course can be started for the students opting Statistics.

## Department of Zoology Annual Report (2021-22)

1. **Name of the department** : Zoology
2. **Year of Establishment** : 1970
3. **Names of Programmes / Courses offered** : **No. of Certificates Course/s:** 02  
(Certificate, UG, PG, M.Phil., Ph.D.,  
Integrated Masters; Integrated Ph.D.,  
etc.) **UG:** B. Sc.  
**PG:** Nil
4. **Names of Interdisciplinary courses and the departments/units involved**
  - i) Chemistry Botany Zoology (CBZ)
  - ii) Chemistry Zoology Microbiology (CZM)
  - iii) Applied Physiology for B. Sc. (Home Science), Sem.-III & IV)
5. **Names of Certificate Courses if any:** 02
  - i) Vermicomposting and Vermiculturing
  - ii) Fresh Water Fish Culturing
6. **Collaborations / MoUs if any:** Nil
7. **Programme wise Annual/ semester/choice-based credit system:**

Sr. No.	Name of the Courses	Annual	Semester	CBCS
1.	B. Sc	-	Yes	-
2.	M. Sc II	-	-	-
3.	Certificate Courses	-	-	-

**8. Number of Teaching posts:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Professor	-	-
2.	Associate Professor	-	-
3.	Assistant Professor	06	02

**9. Teaching Faculty:**

Sr. No.	Name of faculty	Qualification	Designation	Date of Appointment	No. of Years of Experience
1.	Dr. K. M. Paturkar	M. Sc., Ph.D.,	Assistant Professor & Head	05-02-2009	16 years
2.	Dr. Kishor Waghmare	M. Sc., Ph.D.	CHB, Approved by RTMNU	2021-22	NA
3.	Dr. Bharti Shrinivas	M.Sc. Ph.D	CHB, Approved by RTMNU	2021-22	NA
4.	Dr. Dharmendra Sinh	M.Sc. Ph.D	Approved by CHB RTMNU	2021-22	NA
5.	Dr. Puja Khandelwal	M.Sc. Ph.D	Approved by CHB RTMNU	2021-22	NA

**10. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Sr. No.	Name of Post	2021-22	
		Sanctioned	Filled
1.	Lab. Assistant	-	-
2.	Lab. Attendant	03	01

**11. Number of activities organized: 05**

- 1) Installation of Zoological society and guest lecture on Birdwatching by Ms. Kalpana Chinchkhede on 21/12/2021
- 2) Free Sickle Cell Anemia Detection Camp in association with Sickle Cell Association, Nagpur on 7/4/22
- 3) One-day workshop on Dragonfly capturing and species identification and guest lecture on Diversity of Butterflies in Vidarbha region and inauguration of fresh water fish culturing on 11/4/22 by Dr. Ashish Tiple
- 4) One-day workshop on 'Nutritional Waste Management' by Mr. Raj Madankar on 24/7/22

- 5) Blood group detection camp organized by zoology students for other students on 7/4/22

**12. Infrastructural Facilities:**

**i) Laboratory:**

well-equipped laboratory (32'.6"x25'.6"), with LCD projector

**ii) Museum:**

(21'.10" x13".9") with some rare and ample no. of specimens, Alizarin preparations, preserved dissected animals, models and charts, bones and human skeleton

**iii) Departmental Library:**

With good no. of text books, reference books and donated books.

**iv) Instrument room:**

(12'.5"x 12)

**v) Staff room:**

(18" x9'10")

**vi) Cabin of HOD:**

(8'.6" x 9'x10")

**vii) E-books: Nil**

**13. Online Teaching assistance:**

**a) Google meet: Yes**

**b) Google forms: Yes**

**c) Zoom platform: No**

**d) Microsoft team: Yes**

**e) YouTube channel link: No**

**f) Number of videos / lectures available on YouTube channel: NA**

**14. Faculty Profile:**

**Dr. K. M. Paturkar, Assistant Professor & Head of the Department**

**i) Research Papers Published: Nil**

**ii) Paper presented: Nil**

**iii) Books Published/ Edited: Nil**

**iv) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**v) Guest Lectures Delivered: Nil**

**vi) Seminars / Conferences / Workshops attended: 03**

- 1) UGC Sponsored One Day National Webinar on "Snakes: From Myth to Science for society and Ecology" organized by Department of Zoology and IQAC of Shri Shivaji College, Parbhani
- 2) Paper entitled Earthworm mediated carbon nitrogen evaluation by solid waste management in international e-conference ('Innovations in science, technology Humanities, Management and e-commerce for sustainable Rural Development) organized by Anand Niketan College of Science Arts and Commerce

- 3) Workshop: One-week National level online Workshop from 14-18 Feb. 2022 on the theme of 'Drafting Research publication, Funding Proposal & Ethical conduct of Research organized by Department of Pharmaceutical Sciences RTMNU

**vii) FDP attended: Nil**

**viii) Award recognition received:**

- 1) Received Late Mama Kshirsagar Acharya Puskar 2020-21

**Dr. Kishor Waghmare CHB approved by RTM Nagpur University**

**i) Research paper published: Nil**

**ii) Book published Edited: Nil**

**iii) Minor/ major research project: Nil**

**iv) Guest Lectures Delivered: 02**

- 1) Online guest lecture at Arunrao Kalode Mahavidyalaya on 24<sup>th</sup> January 2022 on topic 'Swasanrakshan Te Rashtsanrakshan'
- 2) Online Guest lecture on the occasion of 'yuva diwas' on 12<sup>th</sup> Jan.2022 at Kamla Nehru College, Nagpur.

**v) Seminars / Conferences / Workshops attended: 08**

- 1) One week Online National Workshop on Research Methodology & Data Analysis organized by BPS Institute of Teacher Training and Research, Bhagat Phool Singh Mahila Vishwavidyalaya Sonapat Haryana held from February 22-28, 2022.
- 2) International short term training programme-1 on "Recent Advances in Environmental Toxicology and Wildlife Conservation" organized by Raj Rishi Govt. Autonomous College Alwar, Rajasthan, India from 22nd -28th March 2022.
- 3) International Short Term Training Programme-2 on Impact and Panacea of Environmental Pollution: The Past, Present and Future Organized by Raj Rishi Govt. Autonomous College Alwar, Rajasthan, India from 20<sup>th</sup> – 26<sup>th</sup> April 2022
- 4) Webinar on "Beginners guide to stock market trading with mock **stock** market game" organized by D. Y. Patil Deemed to be University, School of Management, Navi Mumbai, held on 16th April 2021.
- 5) Webinar on Natural Selection in Action in Laboratory Experiments & Ecology" organized by NCCs Pune., IISER Pune and Persistent Labs Pune On 18th November 2021.
- 6) One Day National Webinar on "IMPORTANCE OF CONSERVATION OF RIVERS" organized by Environment Cell, Dada Ramchand Bakhru Sindhu Mahavidyalaya, (DRBSMV) Nagpur (MS) on 05th June 2022
- 7) International seminar on "Emerging Trends and Practices in Environmental Conservation ISEPE-2022" Organized By Raj Rishi



Govt. Autonomous College Alwar, Rajasthan, India on 5th and 6th June 2022.

- 8) International conference on Aquaculture for rural Development (ICARD-2022) organized under the program of MoU between Department of Zoology of Dadapatil Rajale Arts, Science and Commerce College, Adinathnagar, Ahamadnagar., Late Ramesh Warpudkar Art Commerce Science College Sonpeth Parbhani., Kalikadevi Arts, Commerce and Science College Shirur Beed., Milliya Arts Science and Management Science College Beed, on 07th May 2022.

**vi) FDP attended- 03**

- 1) One Week Faculty Development Program on “Rural Development: Opportunities & Challenges”, jointly organized by IQAC Anand Niketan College, Warora, Chandrapur (M.S) in association with Council for Teachers Education (CTE), Maharashtra Chapter & Indian Society for training and Development (ISTD), Nagpur Chapter, held on 04th October to 08th October 2021.
- 2) One-week faculty development on “Implementation of NEP-2020 in Higher Education” organized by RKDF University Bhopal and Supported by Makhanlal Chaturvedi Rashtriya Patrkarita Vishwavidyalaya Bhopal MP held on 17th February to 22nd February 2022.
- 3) Online FDP on Professional Ethics’ organized by IQAC cells of collaborating institutions Dharampeth M. P. Deo Memorial Science College Nagpur, J. M. Patel College Bhandara, Higher Education Nagpur region Nagpur, Dr M K Umathe College Nagpur, Bar Sheshrao Wankhede College Khaparkheda Santaji Mahavidyalaya Nagpur, Vidyasaagar Kala Mahavidyalaya Khairi, Ramtek, Mahila Mahavidyalaya Nagpur on 30th May 2022.

**vii) Award recognition received: Nil**

**Dr. Bharati Shrinivas CHB approved by RTM Nagpur University**

**i) Research Papers Published: 02**

- 1) Shrinivas Bharti D. (2022) Total Protein Analysis in Muscle, Liver and Serum of Heteropneustes Fossilis (Bloch.) Int.J. of Sci.Res.in Science andTech.9 (9): 24-30.
- 2) Shrinivas Bharti D. (2022) Histological and Histopathological studies in Catla catla liver. J. of Emerging Technologies and Innovative Res.9 (5):251-255.

**ii) Books Published/ Edited: Nil**

**iii) Minor / Major Research Project (Sanctioned / Ongoing/ Submitted): Nil**

**iv) Guest Lectures Delivered: Nil**

**v) Seminars / Conferences / Workshops attended: 14**

- 1) 3030 STEM Program –Season 1 conducted by CCL, IIT, Gandhinagar supported by DST Vigyan Prasar in 2021.
- 2) 3030 STEM Program –Season 2 conducted by CCL, IIT, Gandhinagar supported by DST Vigyan Prasar in 2021.
- 3) Workshop on “Competency Based Education & Case Based Assessment” conducted by Think Tac on 5<sup>th</sup> Feb 2022. “3030 Eklavya Program –Episode 1” Measurement: Newton’s Laws of Motion” conducted by CCL, IIT Gandhinagar supported by CBSE on 26<sup>th</sup> Sep 2021.
- 4) “3030 Eklavya Program –Episode 2” Action and Reaction: 2<sup>nd</sup> and 3<sup>rd</sup> Laws of Motion” conducted by CCL, IIT Gandhinagar supported by CBSE on 3<sup>rd</sup> Oct 2021.
- 5) “3030 Eklavya Program –Episode 3” Measurement: Length, Area and Volume” conducted by CCL, IIT Gandhinagar supported by CBSE on 10<sup>th</sup> Oct 2021.
- 6) “3030 Eklavya Program –Episode 4” Shapes conducted by CCL, IIT Gandhinagar supported by CBSE on 17<sup>th</sup> Oct 2021.
- 7) “3030 Eklavya Program –Episode 5” Cell conducted by CCL, IIT Gandhinagar supported by CBSE on 24<sup>th</sup> Oct 2021.
- 8) “Camp Inspire -2022” conducted by Curiosity Lab, IIT Gandhinagar 3-5 JUNE 2022.
- 9) School Innovation Ambassador Training Programme on “Design Thinking and innovation “organized by Ministry of Education Innovation Cell, AICTE & CBSE in 2022.
- 10) School Innovation Ambassador Training Programme on “Entrepreneurship” organized by Ministry of Education Innovation Cell AICTE & CBSE in 2022.
- 11) School Innovation Ambassador Training Programme on “Intellectual Property Rights” organized by Ministry of Education Innovation Cell AICTE & CBSE in 2022.
- 12) School Innovation Ambassador Training Programme on “Idea Generation” organized by Ministry of Education Innovation Cell AICTE & CBSE in 2022.
- 13) School Innovation Ambassador Training Programme on “Finance” Organized by Ministry of Education Innovation Cell AICTE & CBSE in 2022.
- 14) School Innovation Ambassador Training Programme for “Innovation Ambassador” Organized by Ministry of Education Innovation Cell AICTE & CBSE in 2022.

**vi) Seminar/Webinar Attended (04):**

- 1) Webinar on “Dekho Apna Desh Episode 70: Winter in Kolkata” conducted by Ministry of Tourism and My Government on 2<sup>nd</sup> January 2021.

- 2) Webinar on “Problem of Electronic Waste: Effects and Mitigation” organized by Sahyadri Sankalp Society, Srushtidnyan and Athalye – Sapre – Pitre College, Devrukh, Maharashtra, held on 22<sup>nd</sup> May 2022.
- 3) Webinar on “Sacred Groves: Importance, Current status and Conservation” organized by Sahyadri Sankalp Society, Srushtidnyan and Athalye – Sapre – Pitre College, Devrukh, Maharashtra, held on 26<sup>th</sup> June 2022.
- 4) Webinar on “Graphic Organizer and Acquisition” organized by Team Centa, held on 3<sup>rd</sup> Feb 2022.

**vii) FDP attended: 01**

- 1) Participated in one-week Faculty Development Program entitled & quot; ICT Tools for Effective Teaching Learning & quot; organized by Kamla Nehru Mahavidyalaya, Nagpur from 23<sup>rd</sup> to 28<sup>th</sup> May 2022.

**viii) Awards/Recognitions received: Nil**

**Dr. Dharmendra Sinh:**

**i) Research paper published: 01**

- 1) 01 Kumar, K.K., George, A., Behere, G.T., Thorat Y.E., Ingle, D., Sinh, D.P. (2022). Pathogenicity of Heterorhabditis indica against developmental stages of Eudocima materna L. (Lepidoptera, Erebidae). Egyptian Journal of Biological Pest Control. 32:65.

**ii) Book published Edited: Nil**

**iii) Minor/ major research project: Nil**

**iv) Guest Lectures Delivered: Nil**

**v) Seminars / Conferences / Workshops attended: Nil**

**vi) FDP attended: Nil**

**vii) Awards/Recognitions received: Nil**

**15. Students Achievements if any: Nil**

**16. Student Research Projects if any: Nil**

**17. Diversity of Students**

- i) Total number of students enrolled: 237**
- ii) Number of Students from home state: 236**
- iii) Number of Students from other state: 01**

**18. Student strength & Result Analysis:**

Name of the Semester	Enrolled Students	Appeared Students	Pass students	Pass percentage
B. Sc. Sem.-I	87	82	82	100.00
B. Sc. Sem.-II	84	84	74	89.28

B. Sc. Sem.-III	67	66	63	95.45
B. Sc. Sem.-IV	65	65	65	100
B. Sc. Sem.-V	85	85	85	100
B. Sc. Sem.-VI	85	84	83	98.8

**19. Student progression**

Student progression	Against % enrolled
UG to PG	40-50%
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed:	Nil
➤ Campus selection	
➤ Other than campus recruitment	
Entrepreneurship /Self-employment	Nil

**20. Awards / Recognitions received by the students:**

- 1) Ku. Nandini Hadge won first prize in wildlife Photography competition organized by Sevadal Mahila Mahavidyalaya on the occasion of wildlife week

**21. Teaching methods adopted to improve student learning:**

- 1) Use of power point presentation, videos u-tube for several topics.

**22. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- 1) Organized Sickle Cell Anaemia Detection Camp for rural people at Ruhi Panjhari village as well as for college students in the college campus.

**23. Creativity & Innovations if any: Nil**

**23. SWOC analysis of the department and Future plans:**

**a) Strength:**

- i) Museum adequate no. of rare specimens, life cycles, embryos, skeleton, loose bones
- ii) Separate departmental library with good no. reference books/text books.
- iii) ICT facility in the laboratory.
- iv) Two certificate courses run by the department.

**b) Weaknesses:**

- i) Inadequate teaching and non-teaching staff.
- ii) Lack of some advanced laboratory equipment.

- c) Opportunity:**
  - i) MOU/linkages with different organizations.
- d) Challenges:**
  - i) To run all activities with least no. of staff.
- e) Future planning:**
  - i) Installation of Zoological society
  - ii) Different environment friendly in campus activities like installation of bird's nest in campus, fresh water fish culturing, vermicomposting Dragonfly rearing, installation of artificial beehive for honey bees in the botanical garden.
  - iii) Guest lectures /workshops for students.
  - iv) Curriculum based activities
  - v) Sickle cell anaemia detection camp