

ANNUAL REPORT (Academic Session 2024-2025)

Department of Applied Science & Humanities

Details of the Academics

1. Teaching Learning

i) Odd Semester

A) Theory:

Sr. No.	Sem	Subject	Faculty Name	Average Student Attendance %	No. of Lectures Engaged and Syllabus Covered		
					Planned	Conducted	Syllabus Covered
1	I	Engg. Physics	Dr. S. D. Thakre	87	45	51	100%
		Engg. Mechanics	Mr. N. N. Morey	84	48	55	100%
		Engg. Physics	Dr. A. B. More	87	45	59	100%
		Applied Mathematics - I	Mr. H. A. Nimkar	86	45	69	100%
		Applied Mathematics - II	Mr. M. P. Khere	89	45	46	100%
		Engg. Chemistry	Mr. A. S. Dixit	81	45	59	100%
		Electrical Engg.	Ms. K. S. Tidke	83	45	54	100%
		Computer Programming	Ms. M. G. Kachhavay	81	45	46	100%
		Engg. Graphics	Mr. A.G.Bhatkar	86	30	40	100%
		IKS	Ms. A. D. Nakhale	86	30	35	100%

**B) Practical :**

Sr. No.	Sem	Subject	Faculty Name	Average Student Attendance %	No. of No. of Practicals conducted	
					Planned	Conducted
1	I	Engg. Physics	Dr. S. D. Thakre	88	16	16
		Engg. Mechanics	Mr. N. N. Morey	86	16	16
		Engg. Physics	Dr. A. B. More	88	16	16
		Engg. Workshop	Mr. M.R.Dhawde	84	12	12
		Computer Programming	Ms. M. G. Kachhavay	89	16	16
		Engg. Chemistry	Mr. A. S. Dixit	86	16	16
		Electrical Engg.	Ms. K. S. Tidke	84	16	16
		Engg. Graphics	Mr. A.G.Bhatkar	83	12	12
		Professional Comm.	Ms. A. D. Nakhale	89	12	12

**ii) Even Semester****A) Theory:**

Sr. No.	Sem	Subject	Faculty Name	Average Student Attendance %	No. of Lectures Engaged and Syllabus Covered		
					Planned	Conducted	Syllabus Covered
1	II	Engg. Physics	Dr. S. D. Thakre	86	45	52	100%
		Engg. Mechanics	Mr. N. N. Morey	86	48	48	100%
		Engg. Physics	Dr. A. B. More	86	45	52	100%
		Applied Mathematics - I	Mr. H. A. Nimkar	84	45	56	100%
		Applied Mathematics - II	Mr. M. P. Khere	81	45	49	100%
		Engg. Chemistry	Mr. A. S. Dixit	83	45	50	100%

	Electrical Electrical	Ms. K. S. Tidke	85	45	50	100%
	Computer Programming	Ms. M. G. Kachhavay	83	45	42	100%
	Engg. Graphics	Mr. A.G.Bhatkar	86	30	50	100%
	IKS	Ms. A. D. Nakhale	84	8	8	100%

## B) Practical :

Sr. No.	Sem	Subject	Faculty Name	Average Student Attendance %	No. of No. of Practicals conducted	
					Planned	Conducted
1	II	Engg. Physics	Dr. S. D. Thakre	81	16	16
		Engg. Mechanics	Mr. N. N. Morey	86	16	16
		Engg. Physics	Dr. A. B. More	81	16	16
		Engg. Workshop	Mr. M.R.Dhawde	82	12	12
		Computer Programming	Ms. M. G. Kachhavay	85	16	16
		Engg. Chemistry	Mr. A. S. Dixit	85	16	16
		Electrical Engg.	Ms. K. S. Tidke	86	16	16
		Engg. Graphics	Mr. A.G.Bhatkar	88	12	12
		Professional Comm.	Ms. A. D. Nakhale	88	12	12

## Results Analysis:

### A) Sessional Result:

#### i) Odd Semester:

S.N.	Sessional	Semester	Appeared Student	Pass Student	Pass %	Overall Pass %
1	Sessional-I	I	241	75	31.12	31.12
2	Sessional-II	I	229	77	33.62	33.62

**ii) Even Semester:**

S.N.	Sessional	Semester	Appeared Student	Pass Student	Pass %	Overall Pass %
1	Sessional-I	II	213	58	27.23	27.23
2	Sessional-II	II	198	60	30.77	30.77

**B) SGBAU Result: (Winter 2024)**

S.N.	Semester	Appeared Student	Pass Student	Pass %	Overall Pass %
1	I	247	38	15.38	15.38

**3. Guest Lecture Organized :**

S. No.	Date	Title of the Guest Lecture	Year/ Sem/ Class	Resource Person Details	No. of Students Attended	Subject Relevance	Outcomes
1	20/09/24	Role of Human Values	Sem I	Dr. S.D. Thakre	113	Individual Development & Professional Life	Ethical Behaviour and Decision-making, Leading to personal Growth
2	25/09/24	Developing Positive Mindset	Sem I	Mr. Suraj Here	180	Developing a positive mindset enhances emotional resilience and motivation, making it highly relevant for personal and academic growth	To improve performance, well-being, and goal achievement.
3	26/09/24	Effective Communication Skill	Sem I	Mr. Sachin Raut	137	Communication Skill.	Communication Skills are essential in both personal & professional contexts.

4	27/09/24	Stress Management	Sem I	Dr. S.C. Jirapure	152	Stress Management	Students can handle academic pressure and maintain well-being.
5	30/09/24	Career Opportunities	Sem I	Mr. Rohit Shriwas	175	Career opportunities	It is crucial for students and professionals to understand the evolving job market, make informed career choices, and plan their future.
6	14/11/24	Indian Democracy	Sem I	Mr. N. D. Jeughale	87	Indian Democracy	The subject Indian Democracy is highly significant in understanding the political, constitutional, and social framework of India.
7	27/11/24	Art of Living	Sem I	Ms. Komal Thakur	168	Art of Living	Students to handle academic, emotional, and social challenges
8	17/04/2025	Emerging Trends in Renewable energy using AI	Sem II	Dr. S. R. Hole	90	Renewable Energy	To understand the use of AI in the field

#### 4. Industrial Visit :

S. No	Date of Visit	Year/ Section	Industry Details	No. of Hours Spent	No. of Students	Faculty Accompanied	Relevant Subject Knowledge Gained
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5. Students Association Activities :

S. No.	Date	Description/ Activity/Topic	Resource Person	No. of Students Attended	Outcomes
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6. Skill Training Program Organized :

S. N.	Period		Year/ Sem/ Class	No. of Students Attended	Course Details	Resource Person Details	Objective	Outcomes
	From	To						
-	--	--	--	--	--	--	--	-

7. Students Conferences / Seminars/Work Shop/Symposium etc., Participated :

S.No.	Name of Student / Year/ Class	Title of Programme	Organized by	Date	Knowledge Gained/Outcome
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8. Extra-Curricular Activities: (Sports/NSS/ & Others) :

S. No.	Game/ Event	Date	Venue	No. of Students Participated	Prize Details	Remarks
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9. Placements Details:

S. No.	Name of Company/s	No. of Eligible Students	No. of Student Placed	Placement %	Average CTC
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10. Other if Any :

## 2. Department Activities

### 1. Department Meetings with Faculty :

S. No	Semester	No. of Meetings Conducted	Major Decisions Taken
1	Odd Semester	09	<ol style="list-style-type: none"><li>1. All were informed to coordinate with the candidates to fill the CAP option form properly.</li><li>2. All were informed about the cut-off date of first year admissions.</li><li>3. All were informed to share the Question bank and Previous years University question papers with the students.</li><li>4. All were informed to identify the non-reported students and contact them.</li><li>5. All were informed to use ERP effectively and in case of difficulties, raise tickets.</li><li>6. As per the instructions, latest information in the field of each branch is to be provided to the students in the form of a newsletter. So all the faculties are informed to collect the latest information and prepare the newsletter.</li><li>7. All were informed to submit the question papers of their respective subject for the sessional exams and complete the assessment within time.</li><li>8. ABC ID of all the students was required to fill the enrolment form, so the coordinators were informed to generate the IDs as early as possible.</li><li>9. All were informed to remind the students to fill the enrolment and exam forms correctly and submit within time.</li><li>10. Parent's meet was scheduled on 28/12/2024. Various activities were assigned to the staff members.</li></ol>
2	Even Semester	07	<ol style="list-style-type: none"><li>1. All were informed to prepare and finalize the internal marks.</li><li>2. Academic audit of the current semester was scheduled on 15/01/2025. Hence all were informed to keep the records ready.</li><li>3. All were informed to prepare the first draft of the syllabus of the respective subject in relation to the guidelines.</li><li>4. In view of applying for autonomy, all were informed to prepare the documents as per the given format and submit within time.</li><li>5. To help students understand the subjects properly, all were informed to upload the study materials on ERP as early as possible so that students can be benefitted.</li></ol>

			6. In view of upcoming practical/oral exam, all the respective faculty members were informed to complete the submission before 31/05/2025.
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## 2. Class Committee Meetings :

S. No	Session	Semester	No. of Meetings Conducted	Major Decisions Taken
1	Odd Semester	I	2	<ol style="list-style-type: none"> <li>1. Planning of Induction Program and Sessional Exams</li> <li>2. Discussion about Practical Exam and S.G.B.A.U theory examination.</li> </ol>
2	Even Semester	II	2	<ol style="list-style-type: none"> <li>1. Planning of Cultural Program and Sports.</li> <li>2. Discussion about Practical Exam and S.G.B.A.U theory examination</li> </ol>

## 3. Parents Meet Conducted :

S. No.	Year/Sem/Class	Date of Meeting	No. of Parents Attended	Feedback from Parents
1	First / First	28/12/2024	150 +	<ol style="list-style-type: none"> <li>1. Very good cooperation is being received from all faculties.</li> <li>2. Important questions are to be shared with the students.</li> <li>3. Organize cultural/ sport activities for the students.</li> </ol>

## 4. Details of Lecture Monitored by HoD:

S. No.	Date	Time	Class	Subject	Name of Faculty	Observations
1	18/10/2024	11:50 am	Sec A	EM	Mr. N. N. Morey	Students were participative and were involved in solving the numerical.
2	18/11/2024	11:50 am	Sec B	Engineering Mechanics	Mr. N. N. Morey	Students were participative and were involved in solving the problems on truss.

3	19/11/2024	11:50 am	Sec - C	Electrical Engineering	Ms. K. S. Tidke	Students were able to understand the characteristics of Voltage and Current
4	25/11/2024	11:50 am	Sec - A	Computer Programming	Ms. M. G. Kachhavay	It was observed that students need more practice to run the program effectively hence detailed practice was taken during practical session
5	19/12/2024	1:20 pm	Sec - A	Computer Programming	Ms. M. G. Kachhavay	Students were participative during the revision session
6	23/12/2024	2:10 pm	Sec - B	Engineering Maths- I	Mr. M. P. Khere	Students were facing difficulties in remembering the integration so it was suggested to provide short cut tricks to remember the integration.
7	20/03/2025	2:10 pm	Sec A	Applied Mathematics - II	Mr. M. P. Khere	Students were confused by solving a problem with two methods.
8	21/03/2025	1:20 pm	Sec B	Engineering Graphics	Mr. A. G. Bhatkar	Command over subject is good.
9	26/03/2025	1:50 am	Sec B	Engineering Chemistry	Mr. A. S. Dixit	Students were facing difficulty to remember the reactions.
10	28/03/2025	1:50 am	Sec C	Computer Programming	Ms. M. G. Kachhvay	Students were facing difficulty in writing a program
11	28/03/2025	2:10 pm	Sec C	Applied Mathematics - I	Mr. H. A. Nimkar	Class control is very good.
12	28/03/2025	1:50 am	Sec D	Engineering Mechanics	Mr. N. N. Morey	Few students were facing difficulty in handling calculator while solving the problems.
13	12/04/2025	Sec A	Applied Mathematics - II	Mr. M. P. Khere	Students were confused by solving a problem with two methods.	Informed to teach by single method only
14	15/04/2025	Sec B	Engineering Chemistry	A. S. Dixit	Students were facing difficulty to remember the reactions.	Advised to provide simple technique to remember the reactions
15	11/04/2025	Sec C	Applied Mathematics - I	Mr. H. A. Nimkar	Class control is very good.	

16	22/04/2025	Sec C	Computer programming	Ms. M. G. Kachhway	Students were facing difficulty in writing a program	Advised to provide the tricks to write the program
17	24/04/2025	Sec D	Engineering mechanics	Mr. N. N. Morey	Few students were facing difficulty in handling calculator while solving the problems.	Advised to teach again how to operate the calculator
18	07/05/2025	Section B	Chem	Prof. A.S. Dixit	Students were having difficulty in cracking	Advised to provide video lectures to understand the concepts
19	09/05/2025	Section D	Phy	Dr.A. B. More	Students get confused about theory related to laser	Advised to use experimentation to explain the topic.
20	10/05/2025	Section C	EM	Prof. N.N. Morey	Few students were facing difficulty in remembering the formulae	Advised to give tips to remember and implement the formulae
21	13/05/2025	Section D	CP	Prof. M. G. Kachhway	Students are now uncomfortable to prepare a program	Advised to give tricks to remember the program

**5. Other if Any :**

### 3. Activities Related to Faculty Members

#### 1. Ph.D. Work Progress of Faculty :

S. No.	Name of the Faculty Member	Exact Date of Ph.D. Registration	Name of the Supervisor	Institution/ University	Specify the Progress as on Date
1	Mr. N.N. Morey	05/10/2017	Dr. Sandip Potnis	MIT-WPU, Pune	Ph.D Thesis Submitted
2	Mr. H.A. Nimkar	01/09/2020	Dr. M.R Ugle	SGBAU, Amt	Paper Publication in Progress
3	Mr. M.P. Khere	04/09/2022	Dr. Satish Kumar	Ch. Charan Sing University, Meerut	Ph.D Thesis Submitted
4	Mr. A. S. Dixit	-	-	SGBAU, Amravati	Course work in progress
5	Ms. K. S. Tidke	-	-	Symbiosis University, Pune	Course work in progress

#### 2. Faculty Publications (Journal/Magazine/ Book/Articles if any) :

S. No	Author(s)	Title	Publisher	UGC Care/Scopus/WoS	Issue, Page No./Month/ Year
1	Dr. S.D.Thakre	Effect of Nobel Metal (Ag) doping on Hydrogen Sensitivity of WO <sub>3</sub> thin film sensors	International Multidisciplinary Quarterly Research Journal	Peer reviewed	(ISSN 2277-7530) June 2024, Volume XII, Issue II.
2	Dr. S.D.Thakre	Structural Morphological ,and Optical Analysis of PVC-PMMA Polyblend Thin Films	Book Name-Engineering Spectrum (Bridging Science and Technology)	Publisher-DRGIT&R Amravati	Chapter 31,Page no.254-260 ISBN-978-93-342-3053

		Synthesized via Isothermal Evaporation for Advanced Coating Application, Page no.254	ISBN-978-93-342-3053		
3	Dr. S.D.Thakre	Synthesis, Characterization of Titania-doped ceria Nanocomposite, Page no.226.	Book Name-Engineering Spectrum (Bridging Science and Technology) ISBN-978-93-342-3053	Publisher-DRGIT&R Amravati	Chapter 27, Page no.226-232., ISBN-978-93-342-3053
4	Prof. N. N. Morey	Time History Analysis of the seismic effects on cantilever slabs of rectangular and C-shaped buildings with shear walls	Innovative Infrastructure Solutions	International SCOPUS	ISSN/ISBN No.-2364-4184
5	Prof. N. N. Morey	Seismic analysis of a cantilever slab of a rectangular building with shear walls using time history analysis	Book Name-Engineering Spectrum (Bridging Science and Technology) ISBN-978-93-342-3053	Publisher-DRGIT&R Amravati	Chapter 25, Page no.200-215., ISBN-978-93-342-3053
6	Prof.A.G.Bhatkar	A Review of Thermal Polygeneration Systems	Book Name-Engineering Spectrum (Bridging Science and Technology) ISBN-978-93-342-3053	Publisher-DRGIT&R Amravati	Chapter 26, Page no.216-225., ISBN-978-93-342-3053
7	Prof. M. P. Khere	The Interpretation of Complex Number	International Journal of Scientific Research in	International peer reviewed	Volume-08 Issue-08,, Aug-2024, 1, ISSN/ISBN No-2582-3930

		Analysis by Hyperbolic Function	Engineering and Management		
8	Prof. M. P. Khere	Condensation of Hyperbolic Function & Circular Function In Complex Domain	International Journal of Advance and Applied Research	International peer reviewed	Vol.12 No.2 ,Nov-Dec-2024,ISSN/ISBN No-2347-7075
9	Prof. M. P. Khere	Demonstration of Root of Non Quadratic Equation In Complex Analysis of Higher Order $Cl_-(0, n+1)$	Tanz Journal	Scopus & UGC approved	VOL20 ISSUE 5 2025 Page no. 303-307 ISSN- 1869-772  0
10	Prof. M. P. Khere	Exposition of Hyperbolic functions with Exponential function in complex analysis of Higher Order $Cl_-(0, n+1)$ Page no. 244 Chap. No. 29	Book Name-Engineering Spectrum (Bridging Science and Technology)  ISBN-978-93-342-3053	Publisher-DRGIT&R Amravati	Chapter 29,Page no.244.,ISBN-978-93-342-3053
11	Prof. H A Nimkar	Anisotropic Bianchi type VI0 wet dark fluid cosmological models in Lyra's manifold	Indian Journal of Physics	Scopus Journal	Volume 99, page No. 1969-1975 , 2025  ISSN/ISBN No-0974-9845
12	Prof. H A Nimkar	A Comparative Study of Ruban's Cosmological Models in Seaz Ballester	Journal of Emerging Technologies and Innovative Research	UGC Approved Journal	Issue 3, Vol. 12 March 2025 ISSN - 2349-5162

		Theory of Gravitation			
13	Prof. H A Nimkar	Cosmic String Cosmological Model in Lyra's Manifold	Book Name-Engineering Spectrum (Bridging Science and Technology)  ISBN-978-93-342-3053	Publisher-DRGIT&R Amravati	Chapter 32,Page no.262.,ISBN-978-93-342-3053
14	Prof. A.S. Dixit	Bio-Inspired Synthesis and Characterisation of Sulphur Nanoparticles Synthesized By Using (Azadiracta Indica) Neem Leaves Extract	International Journal of Scientific Research in Science and Technology	International peer reviewed	ISSN/ISBN No  Volume 12, Issue 7 January-February-2025 Page Number : 265-269
15	Prof. A.S. Dixit	Sustainable Phytofabrication of Sulfur Nanoparticles from Orange Peel Extract: Structural, Morphological, and Antibacterial Insights	International Journal of Scientific Research in Science and Technology	International peer reviewed	ISSN/ISBN No  Volume 12, Issue 7 January-February-2025 Page Number : 383-38
16	Prof. A.S. Dixit	Characterization of Phytofabricated Sulfur Nanoparticles Synthesized by Aloe vera Leaves Extract via Herbal Method	International Journal of Science and Research Archive	International peer reviewed	ISSN/ISBN No  2024, 12(02),  2413-2417
17	Prof. A.S. Dixit	STUDY OF ELECTRICAL PROPERTIES OF ELECTROACTIVE	Gurukul International Multidisciplinary Research Journal (GIMRJ)	International peer reviewed	APR-2025 Issue-IV, Volume-XIII  e-ISSN No. 2394-8426

		POLYPYRROLE FABRICATED WITH FLUORESCEN DYE AS A DOPANT			
18	Prof. A.S. Dixit	The Study on Thermal Behaviour of Conducting Electractive Polypyrrole PPY on Incorporation of Xanthene Dye Fluoroscein as a Dopant in its Polymeric Structure	Book Name-The Engineering Spectrum (Bridging Science and Technology)	Publisher-DRGIT&R Amravati	Chapter 30,Page no.248-253 ISBN-978-93-342-3053
19	Dr.A.B.M ore	Exploring the Influence of Salicylic Acid Doping on the AC Conductivity and dielectric Constant in PVC-PMMA Thin Films	Journal of Electrical Systems	Indexed by Scopus and ISI Thomson Reuters/ Peer Review  2024	Volume-Issue(2024):1-12,PageNo., 732-737,2024, e-ISSN-1112-5209
20	Dr.A.B.M ore	STRUCTURAL AND FUNCTIONAL PROPERTIES OF POLYBLEND POLYMER THIN FILMS FOR OPTICAL AND COATING APPLICATIONS, 20-23	MULTILOGIC IN SCIENCE	Peer Reviewed & Indexed Quarterly Journal for Applied Science/I.F 6.14	Volume-XIV, Special Issue,Page No. 20-23,February 2025,ISSN/ISBN No-2277-7601

21	Dr.A.B.M ore	Structural Morphological ,and Optical Analysis of PVC-PMMA Polyblend Thin Films Synthesized via Isothermal Evaporation for Advanced Coating Application,Pa ge no.254	Book Name-The Engineering Spectrum (Bridging Science and Technology)	Publisher-DRGIT&R Amravati	Chapter 31,Page no.254-260  ISBN-978-93-342-3053
22	Dr.A.B.M ore	Synthesis ,Characterizati on of Titania-doped ceria Nanocomposite ,Page no.226.	Book Name-The Engineering Spectrum (Bridging Science and Technology)	Publisher-DRGIT&R Amravati	Chapter 27,Page no.226-232.,ISBN-978-93-342-305 3
23	Prof. K. S. Tidke	Video Object Detection and Human Action Recognition: Techniques, Challenges, and Future Trends	International Journal of Advanced Innovative Technology & Engineering	peer reviewed	ISSN/ISBN No-2455-6491
24	Prof. K. S. Tidke	Ensuring Security and Privacy in Cloud-Based Healthcare Data Systems withAES Encryption and Digital Envelope Techniques	Book Name-The Engineering Spectrum (Bridging Science and Technology)	Publisher-DRGIT&R Amravati	Chapter 28,Page no.233-243.,ISBN-978-93-342-305 3
25	Prof. M. G.	Video Object Detection and Human Action	International Journal of Advanced	peer reviewed	ISSN/ISBN No-2455-6491

	Kachhava y,	Recognition: Techniques, Challenges, and Future Trends	Innovative Technology & Engineering		
26	Prof. M. G. Kachhava y,	Machine Learning : Approaching Analysis on Linear Regression and Logistic Regression in Supervised Learning model	Book Name-The Engineering Spectrum (Bridging Science and Technology)	Publisher-DRGIT&R Amravati	Chapter 33,Page no.268-279.,ISBN-978-93-342-305 3
27	Prof. A. D. Nakhale	Video Object Detection and Human Action Recognition: Techniques, Challenges, and Future Trends	International Journal of Advanced Innovative Technology & Engineering	peer reviewed	ISSN/ISBN No--2455-6491
28	Prof. A. D. Nakhale	Machine Learning : Approaching Analysis on Linear Regression and Logistic Regression in Supervised Learning model	Book Name-The Engineering Spectrum (Bridging Science and Technology)	Publisher-DRGIT&R Amravati	Chapter 33,Page no.268-279.,ISBN-978-93-342-305 3

### 3. Papers presented by Faculty Members in National/International Conference/Seminars :

S. No.	Author(s)	Title of Paper	Presented at	Date
1	Dr. A.B. More	Synthesis and Characterization of polymer polyblend thin film for advance application	Participated& Presented paper In an National Conference on Exploring the Frontiers of Science : Collaboration ,Innovation, and Sustainability Organized by Adarsha Science ,J.B. Arts & Birla Commerce Mahavidyalaya Dhamangaon Railway	08 February 2025
2	Dr. A.B. More	STRUCTURAL AND FUNCTIONAL PROPERTIES OF POLYBLEND POLYMER THIN FILMS FOR OPTICAL AND COATING APPLICATIONS	Participated& Presented paper In an Ministry of Education Department of Higher Education (PM USHA) Sponsored National Conference on Recent Trends in mathematics and Space Science Organized by Arts ,Science & Commerce College, Chikhaldara	01 February 2025
3	Dr. A.B. More	Exploring the Influence of Salicylic Acid Doping on the AC Conductivity and dielectric Constant in PVC-PMMA Thin Films	Participated& Presented paper In an DST-SERB Sponsored International Conference on Material Physics and Electronics For Sustainable Development organized by Department of Physics and Electronics GVISH Amravati	01-02 July 2024
4	Dr. A.B. More	Investigation of Salicylic Acid Doping and Temperature on the Activation Energy of PVC-PMMA Thin Films	CONFERENCE PROCEEDINGS UGC Sponsored National Conference on Recent Advancements in Science & Technology, VidyaBharati Mahavidyalaya, Amravati M.S. ISBN : 978-81-19931-25-5,2024,	10 February 2024

5	Prof.H.A.Nimkar	Anisotropic Bianchi Type VI <sub>0</sub> Cosmological Model in Self-Creation Theory of Gravitation	Participated and Presented Paper on one day International Conference on Innovative Multidisciplinary perspective and collaborative transformation in Science and technology during 27 March 2025 Organized by Rajarshee Shahu Science College Chandur Rly.	27 March 2025
6	Prof.H.A.Nimkar	Anisotropic Cosmological Model in Brans-Dicke Theory of Gravitation	Participated In an National Conference on Exploring the Frontiers of Science : Collaboration ,Innovation, and Sustainability Organized by Adarsha Science ,J.B. Arts & Birla Commerce Mahavidyalaya Dhamangaon Railway	08 February 2025
7	Prof.H.A.Nimkar	Microscopic Body Cosmological Model in Brans –Dicke theory of Gravitation	Participated& Presented paper In an Ministry of Education Department of Higher Education (PM PUSHA) Sponsored National Conference on Recent Trends in mathematics and Space Science Organized by Arts ,Science & Commerce College, Chikhaldara	01 February 2025
8	Prof.H.A.Nimkar	A Comparative Study of Ruban’s Cosmological Model in Seaz- Ballester Theory of Gravitation.	Participated Nation conference on Multidisciplinary Research and Innovations NCMRI-2024 Organized by R.L.T. College Of Science Akola	September 2024

9	Prof.H.A.Nimkar	Anisotropic Bianchi Type VI <sub>0</sub> Wet Dark Fluid Cosmological Models in Lyra's Manifold	Participated & Presented paper In an UGC Sponsored National Conference on Recent Advancements in Science and Technology Organized by Department of Physics Vidya Bharati Mahavidyalaya Amravati	10 February 2024
10	Prof.H.A.Nimkar	Stability wet Dark Fluid Cosmological Model in Scalar Tensor Theory of Gravitation	Current Scenario in Science and Technology, Environment, Agriculture, Health, Water Resources, Social Science, Literature & Industrial  (CSCTEAHWRSSLI 2024)  Organised by Shri Vitthal Rukmini Arts,  Commerce And Science College, Sawana In collaboration with Global Foundation, India	10 August 2024
11	Prof.M.P.Khere	Analysis and Observation of Hyperbolic Function & Circular Function In Complex Numbers of Circular Path	Participated In an National Conference on Exploring the Frontiers of Science : Collaboration ,Innovation, and Sustainability Organized by Adarsha Science ,J.B. Arts & Birla Commerce Mahavidyalaya Dhamangaon Railway	08 February 2025

12	Prof.M.P.Khere	Uses of simultaneous equations in partial fraction of non repeated linear factor	Participated& Presented paper In an Ministry of Education Department of Higher Education (PM USHA) Sponsored National Conference on Recent Trends in mathematics and Space Science Organized by Arts ,Science & Commerce College, Chikhaldara	01 February 2025
13	Prof.M.P.Khere	Clarification of Approach for the Roots of Complex Equation In Complex Analysis & Operator Theory	Participated and Presented Paper on one day International Conference on Innovative Multidisciplinary perspective and collaborative transformation in Science and technology during 27 March 2025 Organized by Rajarshee Shahu Science College Chandur Rly.	27 March 2025
14	Prof.A.S.Dixit	Bio-Inspired Synthesis and Characterisation of Sulphur Nanoparticles Synthesized By Using (Azadiracta Indica) Neem Leaves Extract	Participated In an National Conference on Development Trend and Techniques in Chemical and Material Sciences Organized by JagadambaMahavidyala ya ,Achalpur	January 2025
15	Dr. S.D.Thakre	Tio <sub>2</sub> -doped Nb <sub>2</sub> O <sub>5</sub> , Synthesis & Ethanol Sensing Properties	Participated and Presented Paper on one day International Conference on Innovative Multidisciplinary perspective and collaborative transformation in Science and technology during 27 March 2025	27 March 2025

			Organized by Rajarshee Shahu Science College Chandur Rly.	
16	Dr. S.D.Thakre	The synthesis, characterization, and gas adaptations over WO <sub>3</sub> thin films.	International Conference on Innovation in Science for Sustainable Development organised by Department of Chemistry, Smt. Narsamma Arts, Commerce & Science College Kiran Nagar, Amravati,	20 March 2025

**4. Faculty Participation in Conferences / Seminars / Work shop / Continuing Education Programme:**

S. No.	Date	Name of Faculty	Title of Programme	Organizer	Period
1	25 March 2025	Dr. A.B. More	One Day Online Workshop Entitled Research Methodology Held on 25 March 2025	Organized by Department of Applied Science and Humanities Sipna college of Engineering & Technology Amravati.	One day
2	25 Feb 2025	Dr. A.B. More	Participated One day University Level Workshop on E-Content Development & AI	Organized by Department of Computer Science Art, Science and Commerce College Chikhaldara, Dist. Amravati held 25 Feb 2025	One day
3	22 Feb 2025	Dr. A.B. More	State Level Workshop on	Organized by Art, Science and	One day

			Biographies&Autobiographies	Commerce College Chikhaldara,Dist Amravati 22 Feb 2025	
4	25 March 2025	Prof.H.A.Nimkar	Participated One Day Online Workshop Entitled Research Methodology Held on 25 March 2025	Organized by Department of Applied Science and Humanities Sipna college of Engineering & Technology Amravati.	One day
5	15-17 July 2024	Prof.H.A.Nimkar	Attend the Work Shop On Relativistic Cosmology Theoretical And Data Analysis	Organized by G.S.Raisoni College of Engineering Nagpur	Two Day
6	25 March 2025	Prof.M.P.Khere	Participated One Day Online Workshop Entitled Research Methodology Held on 25 March 2025	Organized by Department of Applied Science and Humanities Sipna college of Engineering & Technology Amravati.	One day
7	25 March 2025	Prof.A.D.Nakhale	Participated One Day Online Workshop Entitled Research Methodology Held on 25 March 2025	Organized by Department of Applied Science and Humanities Sipna college of Engineering & Technology Amravati.	One day
8	25 March 2025	Prof.K.S.Tidke	Participated One Day Online Workshop Entitled Research Methodology Held on 25 March 2025	Organized by Department of Applied Science and Humanities Sipna college of Engineering & Technology Amravati.	One day

9	10 August 2024	Prof.H.A.Nimkar	Participated in One Day Multidisciplinary International Conference on “Current Scenario in Science and Technology, Environment, Agriculture, Health, Water Resources, Social Science, Literature & Industrial”	Organized by Shri Vitthal E.Rukmini Arts, Commerce And Science College, Sawana In collaboration with Global Foundation, India on Date: 10th August 2024, Day-Saturday	One day
10	30 January 2025	Prof.M.P.Khere	Participated One Day International E-Conference on “Transformative Research Trends in Multidisciplinary Contexts”	Organized by Department of Geography & Internal Quality Assurance Cell (IQAC), Shrimant Bhaiyyasaheb Rajemane Mahavidyalaya, Mhaswad in collaboration with Global Foundation	One day
11	28/01/2025	Mr. N. N. Morey	Webinar on Outcome Based Education	VMEdulife	1 day
12	25/03/2025	Ms. M. G. Kachhvay	One day workshop on Research Methodology	SIPNA COET Amravati	1 day
13	25/03/2025	Mr. N. N. Morey	One day workshop on Research Methodology	SIPNA COET Amravati	1 day


**5. Status of Consultancy Works :**

S. No	Name(s) of Faculty Coordinators	Title of the Consultancy Service	Industry Associated	Jobs/Works Completed	Revenue Generated (Rs)	Specify the Progress
-	-	-	-	-	-	-

**6. Status of Faculty Members Pursuing Online Courses Offered By the Best Universities :**

S. No.	Name of Faculty Member	Title of the On-line Course	Duration		University	Status of the Online Course
			Start Date	End Date		
1	Mr. N. N. Morey	Engineering Seismology	July 2024	Oct 2024	NPTEL	Result declared - Passed
2	Ms. K. S. Tidke	Machine Learning, DL, NLP Bootcamp	01/2025	/03/2025	Udemy	Completed

**7. Other if Any :**



**HOD**  
**HEAD**  
**Department of**  
**Applied Science & Humanities**  
**BRGIT & R, Amravati**