



Vidya-Amrut Dnyan Pratishthan's
Arts, Science & Commerce College, Shirsondi
Tal: - Malegaon, Dist.:- Nashik (423208)
(Affiliated to Savitribai Phule Pune University, Pune)



Criterion-III:

Research, Innovations and Extension

3.2 »:« Resource Mobilization for Research»

«QnM»:3.2.2

« Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years 2018-19 to 2022-23 »



Vidya-Amrut Dnyan Pratishtan Shirsondi's

Arts, Science & Commerce College, Shirsondi

Shirsondi, Tal. Malegaon, Dist. Nashik 423 208

ID.No. : PU / NS / ACS / 175 / 2018

E-mail : va.scollege.shirsondi@gmail.com

PRINCIPAL : Dr. Rajendra B. Dhande
(M.Com., M.Phil, Ph.D.)

Date: 23/01/2024

DECLARATION

This is to declare that our college has submitted the Self-Study Report (SSR) for NAAC. After verification of SSR, NAAC raised some queries in Data verification and Validation (DVV) **Metric ID 3.2.2** The College resolved regarding queries and resubmit the document in DVV.

The information, reports, true copies of the supporting documents, numerical data etc. submitted/presented in the files is verified by Internal Quality Assurance Cell (IQAC) and it is correct as per the record.

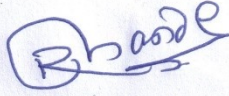
This declaration is for the purpose of NAAC accreditation of HEI for the 1st cycle period 2018-19 to 2022-23.

Date: 23/01/2024

Place: Shirsondi


 IQAC Coordinator
 Arts, Science & Commerce College
 Shirsondi, Tal. Malegaon (Nashik)




 Principal
 Arts, Science & Commerce College
 Shirsondi, Tal. Malegaon Dist. Nashik

Total number of Workshop/ Seminar/ Conferences

3.2.2.1: Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during 2018-19 to 2022-23

Sr.No.	2022-23	2021-22	2020-21	2019-20	2018-19
Intellectual Property rights	00	01	00	00	00
Research Methodology	01	00	00	00	00
Total	01	01	00	00	00
Total = 02					

Total number of Workshop/ Seminar/ Conferences

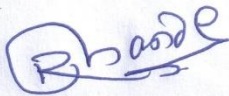
3.2.2.1: Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during 2018-19 to 2022-23

LIST OF TOTAL WORKSHOPS/SEMINARS/CONFERENCES DURING 2018-19 TO 2021-22

S.N.	Name of Workshop	Details of resource person	Number of participants	Date (from to)	Activity type
2022-23					
1	Workshop Research Methodology	Dr. Umesh. J. Tupe, IQAC and ARC Co-ordinator, VADP'S. Arts, Science and Commerce College, Shirsondi, Malegaon, District-Nashik.	65	15/10/2022	Research methodology
2021-22					
2	Intellectual Property Rights (IPR) awareness program	Dr. Umesh. J. Tupe, IQAC and ARC Co-ordinator, VADP'S. Arts, Science and Commerce College, Shirsondi, Malegaon, District-Nashik.	42	13/01/2021	Intellectual Property Rights (IPR)


IQAC Coordinator
 Arts, Science & Commerce College
 Shirsondi, Tal. Malegaon (Nashik)




Principal
 Arts, Science & Commerce College
 Shirsondi, Tal. Malegaon Dist. Nashik

Academic Year 2021-22
Academic Research Committee
Notice

Date: - 11/01/2021

All faculty members and UG student of college are hereby informed that, the Innovation and incubation center of our college has organized seminar on Intellectual Property Rights (IPR). In this session our college vice Principal Dr. U .J. Tupe will deliver the lecture on filling of Patent, types of patent, process and monitoring of patent etc. Hence you all are requested to attend the lecture as per following scheduled.

Lecture time: - 11a.m.

Date: - 13/01/2021

Venue: - Conference Hall


IQAC Coordinator
Arts, Science & Commerce College
Shirsondi, Tal. Malegaon (Nashik)

Innovation & Incubation
Cell In charge


Principal
PRINCIPAL
Arts, Science & Commerce College
Shirsondi Tal. Malegaon (Nashik)




Academic Research Coordinator
Arts, Science & Commerce College
Shirsondi, Tal. Malegaon (Nashik)

Vidya Amrut Dnyan Pratishthan's
Arts, Science and Commerce College, Shirsondi, Malegaon, District Nashik.
Academic Research Committee Organized
One day seminar conducted on Intellectual Property Rights (IPR)

Resource Person: Dr Umesh. J. Tupe, IQAC and ARC Coordinator, VADP's Arts, Science and Commerce College, Shirsondi, Malegaon, District-Nashik.

Attendance of the program

Date: - 13/01/2021

Sr.No	Name of the faculty/ student	Department	Sign
1.	Bhavsar Nilesh Ramesh	Commerce	
2.	Pundalik Suresh Kanade	Cleark	
3.	Bachhav Nilakshi Jibhav	Geography	
4.	Shewale Nandoo	Science	
5.	Desole Dipak Gajanan	Science	
6.	Mate Mahit Gajanan	Science	
7.	Prof. Harpade S. B.	Hindi	
8.	Kumavat J. G.	Student	
9.	Nage N. V.	Student	
10.	Kolhe Yogesh V.	Student	
11.	Yagtap Nilam Yadav		
12.	Borase Darshan Ganesh		
13.	Waghchoure Asha Shashikant		
14.	Somawane Kiran Anil		
15.	Somwanshi Gajanan Dharm		
16.	Somwanshi Saurav D.		
17.	Pawar Pratiksha Arjun		
18.	Nikam Dipali Arjun		
19.	Thake Nikita Pratap		
20.	Pawar Dilip Rajendra		
21.	Date Lakhari Shivaji		
22.	Nikam Madhuri Ambadas		
23.	Yagtap Nilam Yadav		
24.	Shewale Pooja Vijay		
25.	Kadam Abesh Dipak		
26.	Shewale Pooja Vijay		
27.	Somwanshi Pramod K.		
28.	Bhadane Mayur P.		
29.	Deore Kalyani Prabhakar		

30.	Ushat Raj Singh		P.R. IPDA R
31.	Jadhav Kavita Bharat		Jale
32.	Dongare Sandeep. Prakash		Nishat
33.	Gunjal Ansha Shankar		Amrith
34.	Kore Swati Nimba		S.N. Kore
35.	Pagare Vishakha Bhaskar		Bhaskar
36.	Nikam Gayatri P.	E.4.00	Gayatri
37.	Pagare Sagar Anil		Sagar
38.	Whaghchauri Asha S.		Asha
39.	Jayesh S. Piwal		Jayesh
40.	Jayesh S. Piwal		J.S. Piwal
41.	Borase Suday D.	Chemistry	Suday
42.	Dawar Jagdish. B.	Physics	J. Dawar
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 Academic Research Coordinator
 Arts, Science & Commerce College
 Tal. Malegaon (Nashik)

**VADP's Arts, Science and Commerce College, Shirsondi, Malegaon,
District-Nashik.**

***The Academic Research Committee and Intellectual Property Rights (IPR)
jointly organized a workshop on research methodology.***

***Figures: One day seminar conducted on Intellectual Property Rights (IPR)
awareness from Academic Research Committee, VADP's Arts, Science and
Commerce College, Shirsondi, Malegaon, District-Nashik.***

***Resource Person: Dr Umesh. J. Tupe, IQAC and ARC Coordinator, VADP's
Arts, Science and Commerce College, Shirsondi, Malegaon, District-Nashik.***

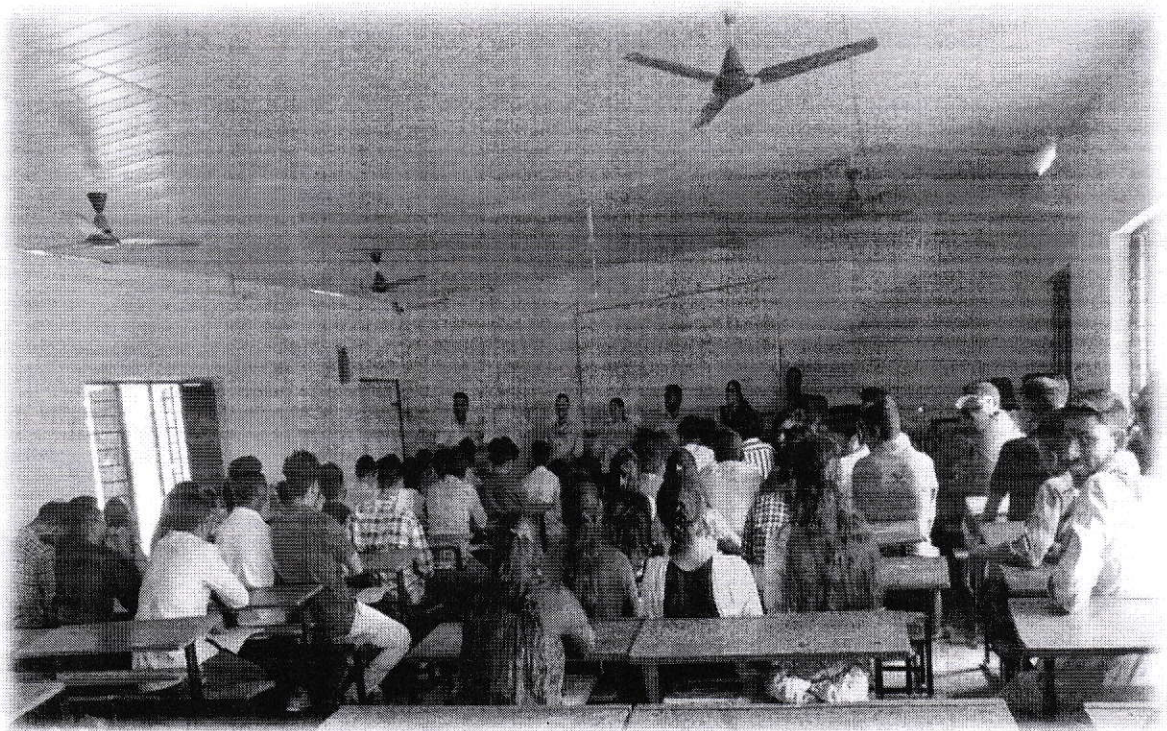
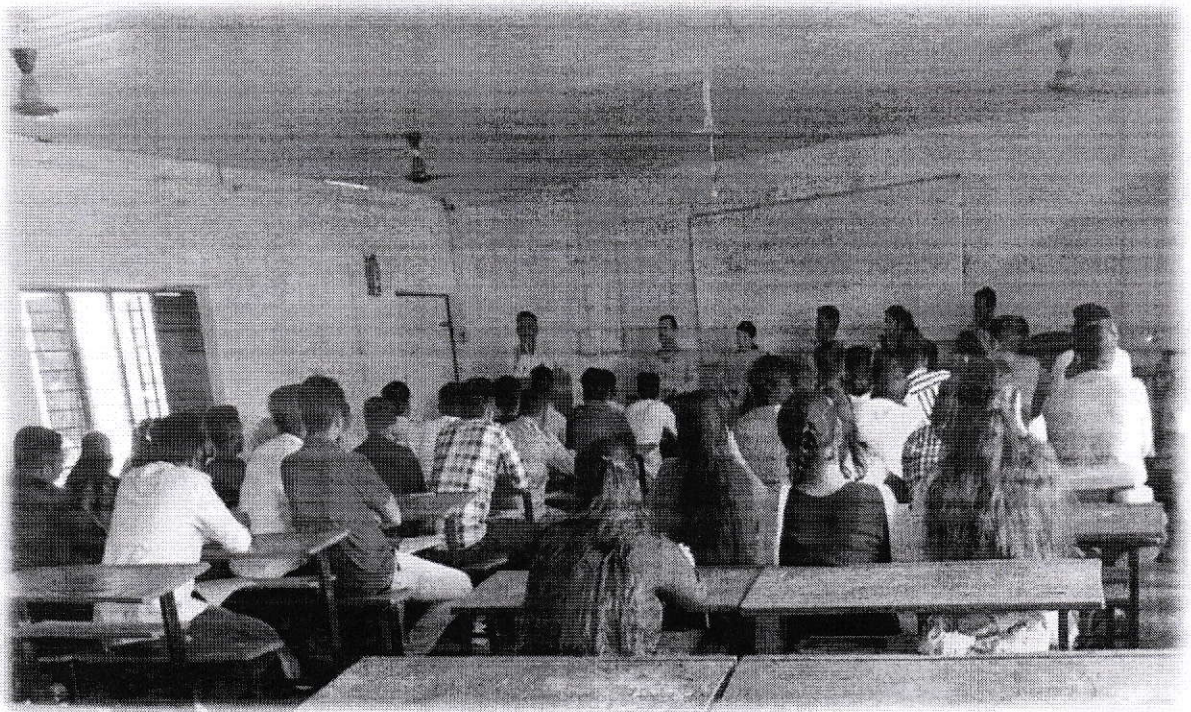
The institution VADP's Arts, Science and Commerce College Shirsondi, Malegaon, District-Nashik has created an ecosystem for initiation of several activities the main interest of incubation and innovation cell is to cultivate the basic of innovations among the faculties and students. The incubation and innovation cell has a main role of creation and transfer of knowledge regarding the innovative things.

For the academic year 2021-22 one day seminar was organized by incubation and innovation cell (ecosystem for innovations) of our college in association with Dr Umesh. J. Tupe, IQAC and ARC Coordinator, VADP's Arts, Science and Commerce College, Shirsondi, Malegaon, District-Nashik.

In has session he explained the difference between Patents, Industrial Designs, Trade, Marks, Copyrights, and Semiconductor Integrated Circuits Layout-Designs. He aware us that the intellectual property is a product of your mind and belongs to you just like your house or your car. Hence he told to our faculty member initially when you got the idea to file the patent then you should thing to protect the patent first by filling it to appropriate patent agency.

The anchoring of the IPR session was done Miss Mohini Patil, while presidential talk was delivered by Principal Dr. R. B. Dhande and vote of thanks was given by Miss Dipali T. Pawar.


**Academic Research Coordinator
Arts, Science & Commerce College
Shirsondi, Tal. Malegaon (Nashik)**



Academic Year 2021-22
Academic Research Committee

Notice


Date: - 11/10/2022


All faculty members and UG student of college are hereby informed that, the Academic Research Committee of the college is organized one day seminar on the "Research Methodology" on Date: - 15/10/2022 (Saturday). In this session our college vice Principal Dr. U .J. Tupe will deliver the lecture on gives an overview of Research Methodology. All students should be present.

Lecture time: - 09:00 AM,
Date: - 15/10/2022


IQAC Coordinator
Arts, Science & Commerce College
Shirsondi, Tal. Malegaon (Nashik)




Academic Research Coordinator
Arts, Science & Commerce College
Shirsondi, Tal. Malegaon (Nashik)


PRINCIPAL
Arts, Science & Commerce College
Shirsondi Tal. Malegaon (Nashik)

Vidya Amrut Dnyan Pratishthan's
Arts, Science and Commerce College, Shirsondi,
Malegaon, District Nashik.

Figures: One day seminar conducted on Research Methodology from Academic Research Committee, VADP's Arts, Science and Commerce College, Shirsondi, Malegaon, District-Nashik.

VADP's Arts, Science and Commerce College, Shirsondi, Resource Person: Dr Umesh. J. Tupe, IQAC and ARC Coordinator Malegaon, District-Nashik.

15/10/2022

Sr.No	Name of the faculty/ student	Department	Sign
1.	Jadhav Aniket Trambak		
2.	Sonawane Kunal Ravindra		
3.	Kale Pallavi Sansare		
4.	Jugjawanshi Gitanjali .S.		
5.	Ahigra kavita manohar		
6.	Sakshi Manoj Pawar		
7.	Ahise Vinod sahebrao		
8.	Aher Nitish Prakash		
9.	जीयव कविता मरत		
10.	हजवर शिवा देवता		
11.	प्रमेश राय दूध		P.R. IPPAR
12.	SHAIKH ANIS RAIS		Anis
13.	Dongare Sandip Yogesh.		
14.	Gunjal Nisha Shankar		
15.	Ganud Ritesh Pravin		
16.	गिरीश गिरीश प्रकाश		
17.	Kore Swati Nimba		
18.	Jayesh .S. Piwal		J.S. Piwal
19.	Khairnar Shubham Satish.		
20.	Wandande Sakshi manoj		
21.	शिवराज रविश रविश		
22.	Navalkar Anita Bhausaheb		
23.	Yash Sanjay kale		
24.	Hemant Subarrao daitkar		
25.	Polit Jayant nano		
26.	Pagare Vishakha Bhaskar		
27.	Pagar Sanjay Baskhar		
28.	Shikam J.D.P		
29.	Sansare Nishad S.		N.S.S
30.	शिवर. शिवर. उशीर		

31.	Deose Kalyani Prabhakar		K.P. Deose.
32.	Bhadane Mayur P.		MBS
33.	Somwanshi Pramod K.		SR
34.	Shewale Pooja Vijay		PS
35.	Kadam Aadesh Dipak		A
36.	Jagtap Nilam Yadao		(N) Jagtap
37.	Nikam Madhuri A.		(M) Nikam
38.	Date Lakhon Shivaji		Date
39.	Pawar Dilip Rajendra		DR
40.	Shake Nikita Pratap		(S) Shake
41.	Bhavsar Nilesh Ramesh		Nilesh Bhavsar
42.	Nage N.V.		Nage
43.	Kumarat J.G.		K.G.
44.	Borse dershan gadesh		Borse
45.	Waghmare Asha S.		Waghmare
46.	Sonawane Kiran Anil		Rakti
47.	Somwanshi Pramod Dharam		gud
48.	Shewale Nandan		SS
49.	Desale Dipak Gajanan		D.D. G.
50.	Kumarat J.G.		K.G.
51.	More Mohit G.		More
52.	Kolhe Yogesh V.		Kolhe
53.	Somwanshi Sadav D.		stulil
54.	Pawar Pratiksh A.		Butiksh
55.	Nishad Sakshi Sanjay		Nishad
56.	Pawar Dipali T.		Pawar
57.	Ahire Radha Papat		Ahire
58.	Bachhav Nilekshi J.		Bachhav
59.	Patil Mohini Pandit		Patil
60.	Pawar Chetam Dadaji		Pawar
61.	Prof. Harpade S. B.		(S) H
62.	Bhavsar Nilesh Ramesh		Nilesh Bhavsar
63.	Pundalik Suresh Kanade		SK
64.	Ahne Nimba Bhauroao		(A) Ahne
65.	Aher Nilesh Vitthal		Aher
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**Vidya-Amrut Dnyan Pratishthan's
Arts, Science & Commerce College, Shirsondi
Tal: - Malegaon, Dist.: - Nashik (423208)**



Figures: One day seminar conducted on Research Methodology from Academic Research Committee, VADP's Arts, Science and Commerce College, Shirsondi, Malegaon, District-Nashik.

Resource Person: Dr Umesh. J. Tupe, IQAC and ARC Coordinator, VADP's Arts, Science and Commerce College, Shirsondi, Malegaon, District-Nashik.

VADP's Arts, Science, and Commerce College, Shirsondi, organized a one-day seminar or induction program on "Research Methodology" on October 15, 2022, for staff and students under the Academic Research Cell. Dr. Tupe focuses on an overview of research methodology, including points such as the origin of the research problem, the definition of research, research design, data collection, and types of research. He explained the difference between innovation and discovery terms in research. The program was chaired by the principal of the college, Dr. R. B. Dhande. Dr. Dhande expressed their ideas and views on research and also expressed the importance of research in the higher education area. The program was anchored by Miss D. T. Pawar, and a vote of thanks was delivered by Miss M. P. Patil.


**Academic Research Coordinator
Arts, Science & Commerce College
Shirsondi, Tal. Malegaon (Nashik)**

Resume



A) Personal Details:

Name of Candidate : **Dr. Tupe Umesh Jagannath**
Date of Birth : 14/11/1989
Email Id : umeshtupe14@gmail.com, drujt14@gmail.com
Contact No : **+ 91 8149301190, 7620011920**
Marital Status : Married
Gender : Male

1. Address for correspondence: Samrat Nagar, Bhadgaon Road, Takhli P.C. Post-Ozhar
Chalisgaon, Dist-Jalgaon. Pin code- 424101.

2. Temporary Address : Flat No.14, Shivdarshan Appartment, Near R.T.O. office, Peth Road,
Nashik-422004.

❖ Achievements:

Sr. No.	Achievements	-
1	Research Papers Published: (UGC Care list / Scopus Index/International Peer Reviewed & Refereed Journals)	35
2	Book/ Chapter Published:	02
3	Work as an Reviewer:	06
4	Teaching Experience	08 Years
5	Workshop / Conferences Attended/ Participated:	07
6	Board member of International Journals:	02
7	Invited as Guest lecturer/ Resource Person	10

B) Educational Qualification Details:

Sr. No.	Exam passed	Subject	University	Year of Passing	Result (Percentage)
1	Ph. D	Electronic Science	S. P. Pune University, Pune.	2021	Completed
2	SET	Electronic Science	University of Pune, Pune.	2016	-
3	M.Sc.	Electronic Science	University of Pune, Pune.	2013	71.15
4	B.Sc.	Electronic Science	North Maharashtra University, Jalgaon	2010	71.75
5	H.S.C	Science PCMB, Eng, Marathi	Nashik Board, Nashik	2007	54.00
6	S.S.C.	Marathi, English, Sci, Math, History.	Nashik Board, Nashik	2005	51.60

C) Teaching Experience:

Total Teaching Experience-

07 Years teaching experience at L. V. H. ASC College, Panchavati, Nashik- 422 003.

01 Year teaching experience at Panchavati College of Management and Computer Science, Panchavati, Nashik- 422 003.

Present status:

Currently working as a Vice Principal and IQAC coordinator at Vidya-Amrut Dnyan Pratishtan's, Arts, Science & Commerce College, Shirsondi, Tal: - Malegaon Dist: - Nashik 423208.

**D) Research Publications UGC Care list / Scopus Index/International Peer
Reviewed & Refereed Journals: 37**

Sr. No.	Title of Paper	Name of Journal	Impact Factor	ISSN No.	Vol /No.
1.	Study of p-n Heterojunction Thin Films for Reducing Gas Sensing Application Fabricated by Thermal Evaporation Technique	Advanced Materials Research, Trans Tech Publications Ltd, Switzerland. (UGC approved)	-	1662-8985	Vol. 1172, pp 67-82 doi:10.4028/p-2zz6i6
2.	Potentiometric Study and Statistical Analysis of Human Urine Samples using Reduced Graphene Oxide Screen Printed Electrodes	Asian Journal of Organic & Medicinal Chemistry (UGC care approved journal)	5.784	2456-8937	Vol. 7 No. 2 (April-June, CRNSS 2022)
3.	Synthesis techniques and applications of rare earth metal oxides semiconductors: A review	Chemical Physics Letters (ELSEVIER)	2.328	92614	15 March 2022 796 (2022) 139555 https://doi.org/10.1016/j.cplett.2022.139555
4.	Synthesis And Characterization Of Zinc Oxide Nanoparticles Using Green Synthesis Method	International Journal of Creative Research Thoughts (IJCRT)	7.97	2320-2882	Volume 10, Issue 2 February 2022, Page-302-309.
5.	Review on: Synthesis of Perovskite using Sol-Gel approach	International Journal of Creative Research Thoughts (IJCRT)	7.97	2320-2882	Volume 10, Issue 2 February 2022, Page-289-301
6.	Review on: IoT based Air pollution monitoring techniques	International Journal of Creative Research Thoughts (IJCRT)	7.97	2320-2882	Volume 10, Issue 2 February 2022, Page-242-247.
7.	Synthesis and Characterizations of CuO-ZnO Nano Composite Binary Oxide Thick Films As H ₂ S Gas Sensor	International Journal of Creative Research Thoughts (IJCRT)	7.97	2320-2882	Volume 10, Issue 2 February 2022, Page- 159-173.
8.	Study of Electrical, Structural and Gas Sensing Properties of ZnO Nanoparticles Synthesized By Green Synthesis Method	International Journal of Scientific Development and Research – (IJSDR)	5.47	2455-2631	Volume 7 Issue 3 March 2022, Page-15-24.
9.	Reduced Graphene Oxide Screen Printed Thick Film as NO ₂ Gas Sensor at Low Temperature	Advanced Materials Research (UGC APPROVED)	-	1662-8985	Vol. 1167, pp 43-55 doi:10.4028/www.scientific.net/AMR.1167.43
10.	Automation of Home and Office Using IOT and Google Assistant	International Journal of Scientific Research in Science and Technology	7.214	2395-6011	Volume 9 Issue 5 September 13, 2021 Page- 903-910
11.	PCB Design Plotter Using CNC Shield And Arduino	International Journal of Research Publication and Reviews	5.536	2582-7421	Vol (2) Issue (8) (2021) Page 1-6
12.	A Review on: Renewable Energy Sources and Generation of Photovoltaic Solar Technology	International Journal of Scientific Development and Research – (IJSDR)	5.47	2455-2631	Volume 6, Issue 4 © April 2021, Page 613-622

13.	Fabrication of thin film sensors by spin coating using sol-gel LaCrO ₃ perovskite material modified with transition metals for sensing environmental pollutants, greenhouse gases and relative humidity	Environmental Challenges (Elsevier)	-	2667-0100	https://doi.org/10.1016/j.envc.2021.100043 Volume 3, April 2021, 100043
14.	Stannous Oxide Thick Film Nano sensors Design by Screen Printing Technology: Structural, Electrical Parameters and H ₂ S Gas Detection Study	Material Science Research India (An International Peer Reviewed Journals)	-	0973-3469	Vol.18, No.(1) 2021, Pg. 66-74 http://dx.doi.org/10.13005/msri/180108
15.	Study of Biometrics Recognition System with Its Advantages and Disadvantages	International Education and Research Journal (IERJ)	6.808	2454-9916	Volume : 7 Issue : 1 Jan 2021
16.	MgO Incorporated ZnO Nanostructured Binary Oxide Thin Film Ethanol Gas Sensor	International Journal of Scientific Development and Research – (IJS DR)	5.47	2455-2631	January 2021 IJS DR Volume 6, Issue 1
17.	Conversion Of Unbalance Chemical Reaction Into Balance Chemical Reaction By Using Gauss Jordan Elimination Method	International Educational Applied Scientific Research Journal	6.530	2456-5040	Volume : 6 Issue : 1 Jan 2021 pp-16-21
18.	Security Controls for Database Technique & Counter Measures	International Journal of Scientific Research in Engineering and Management (IJSREM)	4.106	2582-3930	Volume: 05 Issue: 01 Jan - 2021
19.	A Literature Review on Android -A Mobile Operating system	International Research Journal of Engineering and Technology (IRJET)	7.529	2395-0056	Volume: 08 Issue: 01 Jan 2021
20.	A Literature Review On: Wireless Technologies From 0G to 7G	Iconic Research and Engineering Journals (IRE) - International Peer Reviewed Journal	3.569	2456-8880	Volume 4 Issue 6 December 2020
21.	Potentiometric Taste Sensing Using Reduced Graphene Oxide Screen Printed Electrodes	SENSOR LETTERS		1546-1971	Volume 18, Number 12, December 2020, pp. 881-888(8) https://doi.org/10.1166/sl.2020.4302
22.	The Binary Oxide NiO-CuO Nanocomposite Based Thick Film Sensor for the Acute Detection of Hydrogen Sulphide Gas Vapours	Material Science Research India (An International Peer Reviewed Journals)	-	0973-3469	Volume 17 Number 3 December 2020 DOI: 10.13005/msri/170308

23.	Recent Trends in Platforms of Embedded Systems	International Journal of Creative Research Thoughts (IJCRT)	7.97	2320-2882	Volume 8, Issue 11 November 2020
24.	Electrical, Structural and Gas Sensing Properties of CuO loaded ZnO Nanocomposites Thin Films Prepared by Thermal Evaporation Technique	International Journal of Creative Research Thoughts (International Peer Reviewed & Refereed Journals)	7.97	2320-2882	Volume 8, Issue 11 November 2020
25.	Sol-Gel Fabricated Transition Metal Cr ³⁺ , Co ²⁺ Doped Lanthanum Ferric Oxide (LFO-LaFeO ₃) Thin Film Sensors for the Detection of Toxic, Flammable Gases: A Comparative Study	Material Science Research India (An International Peer Reviewed Journals)	-	0973-3469,	Vol.17, No.(1) 2020, Pg. 70-82
26.	Quality Of Service In Cloud - A Scientometric Review	International Journal of Research and Analytical Reviews (IJRAR) (UGC APPROVED)	5.75	2348-1269	2019 IJRAR February 2019, Volume 6, Issue 1 [343-350]
27.	A Literature Review on: Synthesis Approaches of Metal doped Titanium Dioxide	Journal of Emerging Technologies and Innovative Research (UGC APPROVED)	5.87	2349-5162	Volume 6 Issue 2 , February-2019 [1238-1250]
28.	Influence of Annealing on Structural, Electrical and Gas Sensing Properties of Thermal Evaporated Nanocrystalline ZnO Thin Films	Journal of Emerging Technologies and Innovative Research (UGC APPROVED)	5.87	2349-5162	January 2019, Volume 6, Issue 1 [1872- 1878]
29.	Review on: Synthesis Approaches and Applications of Lanthanum Oxide Nanoparticles	Journal of Emerging Technologies and Innovative Research (UGC APPROVED)	5.87	2349-5162	January 2019, Volume 6, Issue 1 [910-918]
30.	Review on: Perovskite recent progress and synthesis, characteristic, Applications.	International Journal of Research and Analytical Reviews (IJRAR) (UGC APPROVED)	5.75	2348-1269	January 2019, Volume 6, Issue 1 [223-231]
31.	A Review on Graphene & its Derivatives for Gas Sensors	Journal of Emerging Technologies and Innovative Research (UGC APPROVED)	5.87	2349-5162	November 2018, Volume 5, Issue 11 [764- 774].

32.	Sensing Behavior of Screen Printed Nanocrystalline Copper Oxide Thick Films in Presence of H ₂ S Atmosphere	Researchers word, Journal of Arts, Science & Commerce	3.19	2231-4172	Vol.–IX, Special Issue, January 2018 [53-57].
33.	Nanosized Semiconducting Stannous Oxide Thick Films Sensors for Some Oxidizing and Reducing Gases	Researchers word, Journal of Arts, Science & Commerce	3.19	2231-4172	Vol.–IX, Special Issue, January 2018 [127-131].
34.	RF controlled Arduino based mine detector and Position Spying Robot	AJANTA	5.5	ISSN 2277-5730	VOLUME-VIII, ISSUE-1- JANUARY- 2018
35.	Impact of the Evolution of Smartphones in Education Technology and its Application in Learning Electronics Circuits	AJANTA	5.5	ISSN 2277-5730	VOLUME-VIII, ISSUE-1- JANUARY- 2018
36.	Virtual Laboratory- An Innovation Teaching and Learning Method	AJANTA	5.5	ISSN 2277-5730	VOLUME-VIII, ISSUE-1- JANUARY- 2018
37.	Synthesis, Characterization and Gas Sensitivity Performance of LaCrO ₃ Thick Films in presence of Ethanol Atmosphere	Researchers word, Journal of Arts, Science & Commerce	3.19	2231-4172	Vol.-VII, Special Issue-4(4), Dec.2016 [26]

E) Book/ Chapter Published: Book- 01, Chapter- 01.

Title of Book	Publication	ISBN No.	Year of Publication
Book Title: E-waste: Management and Procurement of Environment Chapter Title: Impact of E-waste on Environment: Today and Future	AUTHORSPRESS, New Delhi.	978-93-90588-87-9	2021
Physics For CSIR-NET/SET(Theory & MCQ)	Vaishali Prakashan, Pune.	978-81-934781-8-9	First Indian Edition – Jan-2019

F) Workshop / Conferences Attended/ Participated:

Sr. No.	Date	Workshop/ Conferences	Place	Paper Presented / Participated
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1	28 th & 29 th Dec. 2012	State Conference on “ Recent Trends In Nano Technology”	L. V. H. College, Nashik-03.	Participated
2	19 th & 20 th Sept. 2014	National Conference on “Advance In Electronics & ITS Interdisciplinary Applications”	Fergusson College, Pune.	Synthesis and Characterization of Fe ₂ O ₃ nanoparticles screen printed thick films.
3	23 th & 24 th Dec. 2014.	National Conference on “ Emerging Trends In Nanoscience & Nanotechnology ”	ASC college, Ozar (MIG)	Synthesis and Characterization of Fe ₂ O ₃ .
4	12 th and 13 th Jan. 2015	National Conference on “Recent Trends In Advanced Communication”	L. V. H. College, Nashik-03.	Controlled Climate Conditions of Greenhouse Using GSM.
5	28 th Jan 2015	Workshop on T. Y. B. Sc Physics Syllabus Revision	L. V. H. College, Nashik-03.	Participated
6	17 th & 18 th Feb 2016	International Conference on “Emerging Trends and Issues in Research & Development”	MSG ASC College, Malegaon.	Synthesis and Characterization of SnO ₂ nano particles for H ₂ S Gas Sensors.
7	18 th to 20 th Jan. 2018	International Conference on “Innovations in Nanomaterials and Their Applications”	L. V. H. College, Nashik-03.	Sensing Behaviour of Screen Printed Nanocrystalline Copper Oxide Thick Films in Presence of H ₂ S Atmosphere
8	28 th to 30 th Jan. 2022	Current Research in Chemistry and Nanosciences (CRCNS-2022)	L. V. H. College, Nashik-03.	Participated

G) Extra-Curricular Achievements:

- Worked as **Guest lecturer/ Resource Person** at different UG, PG and Engineering colleges for special guidance to students.

Sr. No.	Date	Topic Name	Class	Place
1	12/09/2012	“ Embedded System ”	S. Y. B. Sc and T. Y. B. Sc (Electronics and Physics Dept.)	N.Y.N.C ASC College, Chalisingaon, Dist.- Jalgaon.
2	25/10/2013	“Robotics and Automation”	S. Y. B. Sc and T. Y. B. Sc (Electronics and Physics Dept.)	N.Y.N.C ASC College, Chalisingaon, Dist.- Jalgaon.
3	04/10/2014	“ Embedded System ”	T. Y. B. Sc and M. Sc (Computer Science Dept.)	N.Y.N.C ASC College, Chalisingaon, Dist.- Jalgaon.

4	10/02/2015	“Microcontroller and its Application”	S. Y. B. Sc (Computer Science Dept.)	H.A.L. College of Science and Commerce, Ozar Township, Tal-Niphad, Dist- Nashik.
5	06/08/2016	“ Industrial applications of Microprocessor and Microcontroller”	T. Y. B. Sc (Electronics and Physics Dept.)	N.Y.N.C ASC College,, Chalisgaon, Dist.- Jalgaon.
6	01/03/2017	“ Embedded System Development in Application Point of View”	Final Year Students of B.E. (E&TC) (Project Guidance)	Department of Electronics and Telecommunication R. H. Sampat College of Engineering, Nashik.
7	02/09/2020	“Assembly language Programming of 8051 Microcontroller”	S. Y. B. Sc (Computer Science Dept.)	K.K. Wagh ASC and Computer Science College, Nashik.
8	25/11/2020	Webinar- “Role of ICT in the Teaching and Learning Process”	Staff and Students	ACS college, Shirsondi, Tal- Malegaon, Dist.- Nashik
9	04/02/2021	TWO DAYS STATE LEVEL SEMINAR ON- “Recent Trends in Information Technology”	Staff and Students	Department of Computer Science Pune Vidyarthi Griha's, Shriram Sadashiv Dhamankar College of Commerce, Science & Arts Nashik -04.
10	16/02/2022	Study Techniques for NET/SET Examination in Electronics	Staff and Students	Department of Electronic Science, Tuljaram Chaturchad College, Baramati- 413102.

H) Reviewer:

Sr. No.	Name of Journal	Impact Factor	ISSN No.
1	International Journal of Engineering Research in Africa [https://www.scientific.net/]	2.54	1663-4144
2	Material Science Research India (MSRI) -An International Peer Reviewed Journals	-	0973-3469
3	International Journal of Creative Research Thoughts (IJCRT) -International Peer Reviewed & Refereed Journals	7.97	2320-2882
4	International Journal of Research And Analytical Reviews (IJRAR)	-	2348-1269

	-International Peer Reviewed, Open Access Journal		
5	Iconic Research and Engineering Journals (IRE) - International Peer Reviewed Journal	3.569	2456-8880
6	International Journal of Scientific Development and Research - IJSDR (An International Open Access Journal)	5.47	2455-2631

I) Board member of International Journals:

Sr. No.	Name of Journal	Impact Factor	ISSN No.
1	International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS).	5.354	2582-5208
2	Institute For Engineering Research and Publication (IFERP) [Membership ID- PM07329618]	-	-

J) Research Work Experience:

- Worked as a **Research Fellow** under Major Research Project entitled “**Semiconducting metal oxide based nano sensors for humidity and selective gas pollutant detection by using screen printed thick films**” in the subject of material science from 01/02/2013 to 31/06/2015. File No. 41-973/2012.

K) Research Skill:

- **Research lab instruments used:** Thick and thin films preparation using Screen Printing Technique, Spin Coating Technique, Electrochemical and Vacuum Film Deposition method.
- **Preparation of Nano particles:** Using sol gel method, precipitation method, co-precipitation method. Physical Vapor Deposition, Green synthesis and Sonochemical Method.
- **Nano Particles analyzing tools:** SEM, XRD, TEM, EDS and FTIR.

L) Technical Skills:

- **Language:** Assembly, C and embedded C Programming language.
- **Microcontroller:** 8051, AVR and PIC-Microchip, Aurdino, Raspberry PI.
- **Protocol:** UART, RS485, USB, I²C, SPI and Zigbee.
- **Software Packages:** Keil, MPLAB IDE, ORCAD PCB Design Tool, MS Office. Matlab, VHDL, PSpice, Proteus, Verilog, MPLAB, AVR Studio, Origin, Xpert12 and TOP WIN Universal Programmer.
- **Design:** Analog Circuit, Digital Circuit, Servo Drives, Op amp, MOSFET, BJT & PCB Layout.
- **Wide use of lab instruments:** Power supplies, multimeter, function generator and CRO.
- Windows XP, Windows7, Windows 8 and Windows 10.(Installation)
- Hardware and networking.

Declaration: I hereby declare that the particulars given herein are true to the best of my knowledge and belief.

Date:

Place: -

Signature