

Internal Quality Assurance Cell (IQAC)

6.2.1 (QIM) The institutional Strategic/ perspective plan is effectively deployed

Describe one activity successfully implemented based on the strategic plan within a maximum of 500 words.

Response:

Following are the strategic plan of the college for five years

1. Good Governance
2. To strengthen the academic process
3. To encourage the SET/NET qualified faculty members for complete their PhD
4. To encourage the senior faculty for PhD guideship
5. To encourage the faculty members for the research publications, research project and research activities.
6. Infrastructure augmentation and Development
7. To encourage students/staff for participation in curricular/co-curricular and extension activities.



Deployment of strategic plans for inclusive growth of the institution

The institution continuously worked inclusively for the betterment of academic and administrative growth with an internal quality assurance cell (IQAC) for the last four to five years. Faculty members are encouraged to register for the PhD and those who have registered to complete their PhD in prescribed time as given by UGC. Senior faculty members are encouraged to apply for PhD recognition to Universities prescribed by UGC and guide the registered PhD students. All faculty members are encouraged to apply for projects and complete the ongoing minor and major research projects approved by BOD, SPPU, Pune and University Grants Commission (UGC), New Delhi. Currently the institute

has completed and submitted three research projects in the last five years. Faculty members publish the research papers every year in peer reviewed and UGC listed journals. Most of the faculty members have published research papers in reputed journals. Some faculty members have completed their PhD and some are pursuing their PhD. Students from all the classes participated in curricular and co-curricular and extension activities through National Service Schemes, Student Welfare Schemes, Sports and departmental activities. The institution insists for good governance in admission, examination, administration, library and overall college planning and development by using Vriddhi online software 2.0. To strengthen the academic process, the internal quality assurance cell encourages all faculty members to prepare their teaching plans, syllabus completion reports, self-appraisal forms and related documents. All academic department HODs are encouraged to prepare and maintain the departmental input records such as syllabus copies, syllabus distribution reports, students activities etc. Library, NSS, BSW, IQAC and examination departments are also encouraged to update their department with required proper documentation for the inclusive academic growth of the institution. IQAC also encourages all statutory and non-statutory committee coordinators and members for organization of related activity for students and staff development.

Supporting Documents:

1. List of PhD Completed Teachers in last five years
2. List of teachers completed research projects
3. List of teachers published research papers
4. Vriddhi software details for good governance
5. Geo-tag Photographs of newly constructed science building.

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18/12/21



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18.12.2021
Principal
Lonavala Education Trust's Dr.B.N.
Purandare Arts, Smt. S.G.Gupta
Commerce and Smt. Shardaben Amrutlal
Mithaiwala Science College, Valvan,
Lonavla, Tal- Maval, Dist. Pune- 410 403

Recognized as research guides (latest completed academic year)

Sr.No.	Name of the Teacher	Guideship Recognition Year	MPhil/Ph.D.	Subject
1	Dr. Digambar J. Darekar	2012-2020	M.Phil.	Psychology
		2013-2021	Ph.D.	
2	Dr.R.G.Kadu	2014-2022	Ph.D.	Marathi
3	Dr. Jibhau O. Bachhav	2015-2021	Ph.D.	Business Administration
4	Dr. Geetanjali S. Mali	2012-2020	Ph.D.	Insurance & Transport
5	Dr. Rajendrasing J. Deore	2017-2025	M.Phil. and Ph.D.	Marathi
6	Dr. Vilas A. Patil	2015-2023	Ph.D.	Botany
7	Dr. Sandip S. Pokale	2013-2021	MPhil.	Zoology
8	Dr. Bhagvat N. Pawar	2018-2022	M.Phil.	Physics
9	Dr.Suporna M. Mitra	2018-2026	Ph.D.	English

Grants for research projects sponsored by the government/non-government sources

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government /non-
Doped Zinc oxide catalyzed Synthesis of substituted Benzin	Prof.M.C.Nagtilak	Chemistry	2013	1.70 Lakh	2013-2014	BCUD, SP Pune University	Govt of Maharashtra
Study of molecular interaction between protein and natural dyes by optical spectroscopy and molecular modeling.	Prof.S.N.Labade	Chemistry	2015	1.65 Lakh	2015-2016	BCUD, SP Pune University	Govt of Maharashtra
Study of polymorphism in FOXO1 and Nrf2 gene in di	Prof.D.A.Kadam	Zoology	2016	1.50 Lakh	2016-2017	BCUD, SP Pune University	Govt of Maharashtra
Studies on some Myxosporean Parasites of Fishes in Pune	Dr.S.S.Pokale	Zoology	2012	02 Lakh	2012-2014	BCUD, SP Pune University	Govt of Maharashtra
A study of Marathi Autobiographies related to cineworld	Prof. R.G.Kadu	Marathi	2013	7Lakh 800 Rs	2013 to 2019	UGC,Delhi	Government

3.3.2 Number of research papers per teacher in the Journals notified on UGC website during the last five years. (8)

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal
Ahirani Katha va Lokasankriti	Dr.R.J.Deore	Marathi	Vidyawarta	(2016-17) 2017	2319-9318	1229-2nd May 2018 deleted list
Prasar madhyastia Lekhal-Ha.Mo.Marathe	Dr.R.J.Deore	Marathi	Research Journey	(2016-17) 2017	2348-7143	2121-2nd May 2018 deleted list
A study of Ants as a Suitable Learning Cycle to Investigate for Studies through Observations	Dr.S.S.Pokale	Zoology	Journal of Emerging Technologies and Innovative Research	(2016-17) 2016	2349-5162	Old UGC Approved Journal No. 63975 Link: http://www.jetir.org/
Alternative to Dissection as a more effective real instructional aid than traditional dissection	Dr.S.S.Pokale	Zoology	Journal of Emerging Technologies and Innovative Research	(2016-17) 2017	2349-5162	Old UGC Approved Journal No. 63975 Link: http://www.jetir.org/
DIVERSITY OF CHLOROPHYCEAE IN VALVAN LAKE OF MAVAL	Dr.S.S.Pokale	Zoology	Journal of Emerging Technologies and Innovative Research	(2016-17) 2017	2349-5162	Old UGC Approved Journal No. 63975 Link: http://www.jetir.org/
Efficacy of various algorithm in ozone estimation using GOES sounder radiances	Prof.Ranju Chopra	Physics	Journal of Scientific Research	(2016-17) 2016	0447-9483	UGC-CARE list Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101003096&flag=Search
Preparation of GeOx Nanowires and Nanotubes by using Vapor Transport Method and their Characterization	Dr.A.S.Katkar	Physics	International Journal of Chemical and Physical sciences	(2016-17) 2016	2319-6602	2707 -2nd May 2018 deleted list
Radial Variation of Axial and Radial Velocity of Blood in Stenosed Artery in the presence of Body Accelerations	Dr.N.S.Bodke	Mathematics	International Journal of Mathematics and its Application	(2016-17) 2016	2347-1557	3785 -2nd May 2018 deleted list
To study the comparison of personality and verbal intelligence of students in government in government aided school and corporation schools	Dr.D.J.Darekar	Psychology	International inventive multidisciplinary journal	(2017-18) 2018	2348-7135	2789-2nd May 2018 deleted list
A study of emotional intelligence differences among students with respect to their type of school and gender from central part of Pune city	Dr.D.J.Darekar	Psychology	International inventive multidisciplinary journal	(2017-18) 2017	2348-7135	2789-2nd May 2018 deleted list
Effect of thinking styles on emotional intelligence	Dr.D.J.Darekar	Psychology	Vidyawarta	(2017-18) 2017	2319-9318	1229-2nd May 2018 deleted list
Significance of Rorschach obsessive style index in obsessive compulsive disorder patients	Dr.D.J.Darekar	Psychology	Indian Journal of Health and wellbeing	(2017-18) 2017	2229-5356	43-2nd May 2018 deleted list
A study of environmental attitude between professional organic men farmers and conventional men farmers	Dr.D.J.Darekar	Psychology	Indian Journal of Health and wellbeing	(2017-18) 2017	2229-5356	43-2nd May 2018 deleted list
Study of social value among violent and non-violent offenders	Dr.D.J.Darekar	Psychology	Shikshanati Marmadishiti	(2017-18) 2018	0976-0385	1705-2nd May 2018 deleted list
Techniques of Evaluation	Dr.D.J.Darekar	Psychology	Shikshanati Marmadishiti	(2017-18) 2018	0976-0385	1705-2nd May 2018 deleted list
Efficacy of behavior activation group therapy for major depressive disorder	Dr.D.J.Darekar	Psychology	International Journal of Innovative Studies in Sociology and Health Sciences	(2017-18) 2018	2456-4951	Old UGC Approved Journal No. 62928 https://ijissh.org/
A study of Psychological well-being between professional organic farmers and conventional farmers	Dr.D.J.Darekar	Psychology	Indian Journal of Health and wellbeing	(2017-18) 2017	2229-5356	43-2nd May 2018 deleted list
Vachan Sanskriti aani mahiti tantradnyan	Dr.R.J.Deore	Marathi	International Journal of Multifaceted and Multilingual Studies	(2017-18) 2018	2394-207X	696 -2nd May 2018 deleted list
A STUDY OF SNAKE BITES AND PREVENTIVE MEASURES	Dr.S.S.Pokale	Zoology	Journal of Emerging Technologies and Innovative Research	(2017-18) 2017	2349-5162	Old UGC Approved Journal No. 63975 Link: http://www.jetir.org/
DIVERSITY OF BACILLARIOPHYCEAE IN VALVAN LAKE OF MAVAL (M.S.) INDIA	Dr.S.S.Pokale	Zoology	Journal of Emerging Technologies and Innovative Research	(2017-18) 2017	2349-5162	Old UGC Approved Journal No. 63975 Link: http://www.jetir.org/
Study of Religious value among violent and nonviolent male offenders	Dr.D.J.Darekar	Psychology	Shikshanati Marmadishiti	(2017-18) 2018	0976-0385	1705-2nd May 2018 deleted list
A study on School Bus Transportation and Safety of Children	Dr.G.S.Mali	Economics	ROYAL	(2017-18) 2018	2278-8158	574 - 2nd May 2018 deleted list
Study of Machiavellianism Trait among sports persons	Dr.D.J.Darekar	Psychology	Vidyawarta	(2017-18) 2018	2319-9318	1229-2nd May 2018 deleted list
Studies on Physico-chemical analysis of Mohabala Lake near Bhadrawati, District - Chandrapur (MS), India.	Dr.S.S.Pokale	Zoology	Int. J. of Life Sciences	(2017-18) 2017	2320-7817	2854 -2nd May 2018 deleted list
Synthesis of N-substituted pyrazolo pyrimido pyrimidines and their antioxidant evaluation.	Dr.S.G.Sontakke	Chemistry	Heterocyclic Letters	(2017-18) 2017	2230-9632	107 -2nd May 2018 deleted list
Synthesis of 3-Amino-4-imino-2-N-(substituted) pyrazolo[4,5-e]-4H-pyrimido[2,3-b][1,3]thiazolidiazoles and their anti-oxidant activity	Dr.S.G.Sontakke	Chemistry	International Journal of Chemical and Physical sciences	(2017-18) 2018	2319-6602	2707 -2nd May 2018 deleted list
One pot Synthesis of 4-amino-6-(methylthio)-2-phenylpyrimidine-5-carbonitrile and its 6-substituted derivatives with evaluation of their antioxidant activity	Dr.S.G.Sontakke	Chemistry	International Journal of Chemical and Physical sciences	(2017-18) 2018	2319-6602	2707 -2nd May 2018 deleted list
Synthesis and Antimicrobial Evaluation of Substituted PyrimidoPyrimidine and its Derivatives	Dr.S.G.Sontakke	Chemistry	International Journal of Chemical and Physical sciences	(2017-18) 2018	2319-6602	2707 -2nd May 2018 deleted list
Synthesis and characterization of fine powdered Cu-doped ZnO and their catalytic application for Ultrasound mediated degradation of methylene blue	Prof.M.G.Nagtilak	Chemistry	International Journal of Chemical and Physical sciences	(2017-18) 2018	2319-6602	2707 -2nd May 2018 deleted list
Synthesis and characterization of fine powdered Cu-doped ZnO and their catalytic application for Ultrasound mediated degradation of methylene blue	Prof.S.N.Labade	Chemistry	International Journal of Chemical and Physical sciences	(2017-18) 2018	2319-6602	2707 -2nd May 2018 deleted list
Room temperature ferromagnetic Cr doped Ge/GeOx core-shell nanowires	Dr.A.S.Katkar	Physics	Nanotechnology (IOP Science)	(2017-18) 2018	1361-6528	UGC-CARE list Link: https://www.scopus.com/sources.uri
Biological Synthesis of Cu2O Nanoshells and its Optical Properties	Dr.A.S.Katkar	Physics	International Journal of Chemical and Physical sciences	(2017-18) 2018	2319-6602	2707 -2nd May 2018 deleted list
The study of Radial velocity of blood through stenosed artery and shape function	Dr.N.S.Bodke	Mathematics	Palestine Journal of Mathematics	(2017-18) 2017	2219-5688	2834 - 2nd May 2018 deleted list
Effect of Temperature Variation in Synthesis of CuIn2 Thin Films Using Ultrasonic Spray Pyrolysis	Dr.B.N.Pawar	Physics	International Journal of Innovative Knowledge Concepts	(2017-18) 2017	2454-2415	Old UGC Approved Journal No. 64094
One Pot Synthesis of 6,7-Diimino Imidazole [2,3-b] Pyrimido[5,6-e] Pyrimido [2,3-b][1,3] Benzothiazole Derivatives	Dr.S.G.Sontakke	Chemistry	International Journal of Scientific Research in Science and Technology	(2017-18) 2017	2395-6011	1610 - 2nd May 2018 deleted list
Synthesis of benzimidazolopyrimidobenzothiazole derivatives and study of their pharmaceutical importance	Dr.S.G.Sontakke	Chemistry	Asian Journal of Research in Chemistry and Pharmacology	(2017-18) 2017	2349-7106	Old UGC Approved Journal No. 62610
Synthesis and antioxidant activity of some new substituted pyrazolo[4,5-e]-4H-pyrimido[2,3-b]benzimidazoles	Dr.S.G.Sontakke	Chemistry	Asian Journal of Research in Chemistry	(2017-18) 2017	0974-4169	1261 - 2nd May 2018 deleted list
Effective Removal and Recovery of Fast Green FCF Dye from Wastewater using Green Adsorbent	Prof.S.N.Labade	Chemistry	International Journal of Applied Chemistry	(2017-18) 2017	0973-1792	UGC Care list https://www.scopus.com/sourceid/19700173002
Comparison between optical properties of doped and undoped GeOx Nanowires	Dr.A.S.Katkar	Physics	Journal of Emerging Technologies and Innovative Research	(2018-19) 2019	2349-5162	Old UGC Approved Journal No. 63975 Link: http://www.jetir.org/
Synthesis of Ge/GeOx nanochain structure using simple vapor transport method	Dr.A.S.Katkar	Physics	Journal of Emerging Technologies and Innovative Research	(2018-19) 2019	2349-5162	Old UGC Approved Journal No. 63975 Link: http://www.jetir.org/
NUMERICAL SIMULATION OF BLOOD FLOW WITH SODIUM ALGinate (SA) NANO PARTICLES IN STENOSED HUMAN ARTERY	Nitin S. Bodke	Mathematics	International journal of Mechanical engineering and Technology	(2019-20) 2019	ISSN Print: 0976-6340	https://www.scopus.com/sources.uri
Advanced Room Temperature Single-Electron Transistor of a Germanium Nanochain with Two and Multitunnel Junctions	Dr.A.S.Katkar	Physics	ACS Applied Electronic Materials	(2019-20) 2020	2637-6113	https://pubs.acs.org/doi/abs/10.1021/acsaelm.0c00242
Leaf Clearing: A Review	Dr.VA.Patil	Botany	The Journal of Plant Science Research	(2019-20) 2020	0970-2539	https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101002807&flag=Search
"Facile and Efficient One Pot Synthesis of Substituted Benzimidazoles under Ultrasonic Irradiation Using Novel Active 3% Cu-Doped Zinc Oxide Catalyst and Their Antimicrobial Activity"	Prof.M.G.Nagtilak	Chemistry	Our Heritage	(2019-20) 2020	0474-9030	https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList
Thin Zn1-xMn xO Films (x = 1-4 at %) by Chemical Bath Deposition: Influence of Dopant Concentration	Dr.B.N.Pawar	Physics	1061-3862, International Journal of Self-Propagating High Temperature Synthesis	(2020-21)	1061-3862 / 1934-7888	https://ml.cerivate.com/search/results?issn=1061-3862&hide_exact_match_filter&utm_source=ml&utm_medium=ml

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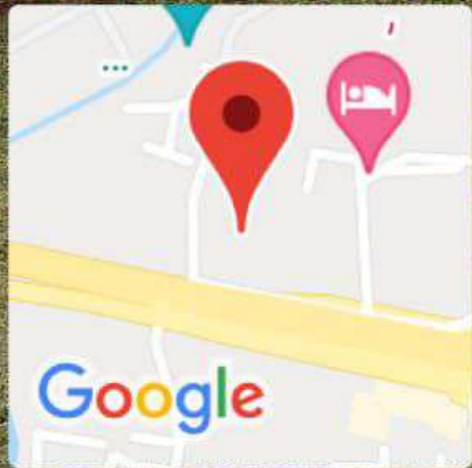
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