

Research Activities

Research Coordinator:



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Research Committee:

Sr. No.	Name of the Member	Designation	Role in Research Committee
1.	Prof. Dr. S.R.Patil	In-charge Principal	Chairman
2.	Dr. V. R. Pawar	Associate Professor	Academic Research Coordinator
3.	Prof. Dr. D. A. Godse	Professor	Head of IT Dept.
4.	Prof. D. D. Pukale	Associate Professor	Head of Computer Engineering Dept.
5.	Dr. A. M. Pawar	Associate Professor	Head of Engg. Sci. & Allied Engg. Dept.
6.	Prof. Dr. S. S. Chorage	Professor	Member
7.	Dr. K. B. Naik	Associate Professor	Member
8.	Dr. S. P. Kadam	Associate Professor	Member
9.	Prof. V. P. Mulik	Assistant Professor	IPR Coordinator
10	Mr. V. S. Birajdar	Librarian	Librarian

List of Recognized Research Guides-

Sr. No.	Name of the Research Guide	Affiliating University	Guide Recognition
1	Prof. Dr. S.R. Patil	SPPU, Pune	Ph.D.
2	Prof. Dr. S.S. Chorage	SPPU, Pune	
3	Prof. Dr. D. A. Godse	SPPU, Pune	
4	Dr. V. R. Pawar	SPPU, Pune	
5	Prof. Dr. S.P. Kadam	SPPU, Pune	
6	Prof. Dr. S.L. Kore	SPPU, Pune	
No. of Faculty members are as a Research Guide : 06			

Number of Research Papers in the Journals notified on UGC website during the A.Y.2020-21

Name of the author/s	Title of the Paper	Name of the journal	ISSN number
Prof. Dr. S.R. Patil	Outdoor Advertising Boards Safety Monitoring System Using Wireless Sensor Network	Adalya Journal	1301-2746
Prof. Dr. S.S. Chorage	An empirical survey of electroencephalography based brain-computer interfaces.	Bio-Algorithms and Med-Systems 2020 De Gruyter	1896-530X
Prof. Dr. S.S. Chorage	Non-invasive determination of blood glucose level using narrowband microwave sensor	Ambient Intelligence and Humanized Computing (Springer)	1868-5137
Dr. V.R.P awar	IOT based Smart Helmet for Unsafe Event Detection for Mining Industry	Adalya Journal	1301-2746
Prof. S.M. Jagdale	Crop Yield Prediction using Machine Learning	Adalya Journal	1301-2746

Prof. S.S. Salunkhe	A Hybrid Approach Based on Non Linear Approximation and Holistic Descriptor for Efficient Image Retrieval	International Journal of Engineering Research and Technology	0974-3154
Prof. S.S. Jadhav	Elimination of cationic azo dye from aqueous media using doped polyaniline (PANI): Adsorption optimization and modeling	Canadian Journal of Chemistry	0008-4042
Prof. S.S. Jadhav	Batch and column studies on the use of doped Polymer for the removal of (Sodium 4-{[4-(dimethyl amino) phenyl] diazenyl} benzene-1-sulfonate) from wastewater	International Journal of Environmental Analytical Chemistry	1029-0397
Prof. S.S. Jadhav	Waste Water treatment: A bibliometric study of Scopus and web of science publications	Library Philosophy and Practice	1522-0222

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during A.Y. 2020-21

Name of the author/s	Title of the paper	Title of the proceedings of the conference	National / International
Prof. Dr. S.R. Patil	Review on unit selection based concatenation approach in text to speech synthesis system	International Conference on Cybernetics, Cognition And Machine Learning Application	International
Dr. S.S. Chorge	MEMS Interdigital Electrode Sensor for Gas Sensing Mechanism	IEEE International Conference on Emerging Smart Computing & Informatics	International

Prof. R.M. Shamlik	Real Time Human Gesture Recognition : Methods , Datasets and strategies	International Conference On Recent Trends In Computing (ICRTC 2021)	International
Dr.S.P. Kadam	Comparative Analysis of Heuristic-based Energy Efficient Protocol for M2M Communications in Green IoT	3 rd IEEE INTERNATIONAL CONFERENCE on Emerging Smart Computing & Informatics (IEEE-ESCI 2021) 5 th – 7 th March 2021	International
Prof. S.S. Jadhav	A Method and Composition for Purification of textile waste-water	2nd Conference on IPR, Patents, Copyrights, Innovations & Startups February 18-20, 2021	International
Prof. S.S. Jadhav	A method and Composition for purification of textile waste-water by acid doped polyaniline (pani)	2nd Conference on IPR, Patents, Copyrights, Innovations & Startups February 18-20, 2021	International

Additional Information (Other than UGC journals)

Name of the Author/S	Title of paper	Name of journal	ISSN number
Prof. Dr.S.R. Patil	A Wavelet Based Concatenation Algorithm for Gujrati Speech Synthesis	Helix	2319-5592
Dr.Sonali Kadam	Optimized LEACH-based Energy Efficient Protocol for M2M Communications in Green IoT: Development of New Hybrid Algorithm	International Journal of Engineering Research in Computer Science and Engineering.	2394-2320

Prof. Pranoti Kale	Public Issue sorting using image processing with machine learning	International Journal of Advanced research in science, communication and Technology	2581-9429
Prof. Shital Jadhav	Secure and Hassle-free next generation E-voting through Deep Learning based face recognition	International Journal of Scientific Research in Engineering and Management	2582-3930
Prof. Kanchan Warke	Environment monitoring and Prediction of planting trees	International Journal of Scientific Research in Engineering and Management	2582-3930
Prof. Vinaya Kulkarni	Undergraduate Employment Forecasting	International Journal of All Research Education and Scientific Methods	2455-6211
Prof. Kiran Yesugade	Vision Face Recognition Attendance Monitoring System Using Deep Learning and Computer Vision	International Journal of Scientific Research & Engineering Trends	2395-566X
Prof. Nilam Dalvi	Online Voting System Using Visual Cryptography and Machine Learning Based on Adhaar Number	International Journal of Innovative research in Computer and Communication engineering	2320-9801(online) 2320-9798(Print)
Prof. D.D. Pukale	Automated Car Insurance Claim Estimating Software	International Journal of All Research Education and Scientific Methods (IJARESM),	2455-6211
Prof. Anjali Kadam	Cardless Multi-banking ATM system services using face recognition and OTP	International journal of future generation communication and Networking	2233-7853

Prof. Kiran Yesugade	Paper survey on Application of BCT in agricultural supply chain management	International journal of scientific research in engineering and management	2582-3930
Prof. Sandip S. Thite	FASSSTeR: A Novel Framework Aligned with ISA and ISO Standards for Cyber Physical System Safety, Security, Sustainability and Resiliency	Design Engineering	0011-9342
Prof. Nilofar Mulla	Role of Machine Learning & Artificial Intelligence Techniques in Software Testing	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	1309-4653
Prof. Ashwini Kanade	Machine Learning Model for Stock Market Prediction	International Journal for Research in Applied Science & Engineering Technology	2321-9653
Prof. Ashwini Kanade	LifeSaver: The E-Blood Donation App	International Research Journal Of Engineering And Technology (IRJET)	2395-0056

Grants Received from Board of Deans, SPPU (Formally BCUD, University of Pune)

Sr. No.	Title of Research Project	Department	Name of the Principal Investigator	Year	Grants Received in Rs.
1	Automatic generation of Test Cases with classification of Generic Test cases in Agile	Information Technology	Prof. Nilofar Mulla	2018-2022	2,50,000/-
2	Development of SMOOD (Security model for Object Oriented Design)	Computer Engineering, E& TC Engineering	Dr. S. P. Kadam Co-Investigator – Prof. Dr. S. R. Patil	2014-2016	50,000/-
3	Fast Morphological Processing Using CUDA	Information Technology	Prof. M.A.Rane	2013-2015	50,000/-
4	Intrusion Detection system based On Ontology for Web Application.		Prof. A.D.Khairkar		65,000/-

5	PCI Bus Bridge	E&TC Engineering	Prof. (Dr.)P.B. Mane Prof. S.M. Jagdale	2006-2009	3,00,000
6	Minutia Based Fingerprint Recognition		Prof. S.T. Khot Prof. S.A. Dhole		1,50,000
7	DFT Gore Generator For The Microwind		Prof. V.S. Kashid (Prof. V.R.Pawar) Prof. S.D. Kale		1,00,000
Total Research Grants Received from SPPU					Rs. 7,15,000

Quality Improvement Program (QIP)

Sr. No.	Title of the Program	Name of Program Director	Year	Grants Received in Rs.
1	National Level Workshop on "Stress Management through fitness and Yoga"	Prof. Dr. D.A.Godse	2017-2018	1,12,500
2	State Level Workshop on "Refreshers Course for First Year Students"	Prof. A.M.Pawar	2017-2018	77000
3	National Level Workshop on "Booting, Hacking, Linux & Security"	Prof. S.S. Thite	2015-2016	1,05,000
4	State Level Workshop on "Living Quality Life"	Prof. Dr. D.A. Godse	2015-2016	49,000
5	National Level Workshop on, "Wavelet & its analysis by using Matlab"	Prof. Dr. V. R. Pawar Prof. S.A. Dhole Prof. S.M. Jagdale	2014-2015	2,00,000
6	State Level Workshop on , "Animation & VFX"	Prof. A. V. Kanade	2014-2015	1,00,000
7	National Level Conference "Jishin-14"	Prof. Dr. D.A. Godse	2013-2014	1,00,000
8	State level workshop on, "FPGA Based System Design"	Prof. V. P. Mulik/ Prof. S.V.Shelake	2013-2014	25000
9	State Level Workshop on, "Effective Planning and Execution of B.E. Project"	Dr. S.P. Kadam	2012-2013	25000
10	FPGA Based System Design	Prof. V.P.Mulik	2011-2012	48000/
11	Basic 'C' Language And Data Structures	Prof. K.R.Choudhary	2011-2012	16,000/
12	Woman Empowerment through leadership development	Prof. S.K.Bhosale	2011-2012	20,000/
13	Expert lecture series in the Electronics and Telecommunication Department	Prof. S.T.Khot Prof. Rajbhoj. S.M Prof. S.K.Bhosale	2011-2012	20,000/-
14	Emerging Trends in An Embedded System Design	Prof. V.R. Pawar	2010-2011	20,000/-
15	Lecture on Image processing and its	Prof. S.T. Khot	2010-2011	15,000/-

	Experiments with Matlab			
16	National Level Technical Festival "Jishin"	Prof. Dr. D.S.Bilgi, Prof. S.T.Khot Prof. V.R.Pawar	2009-2010	1,20,000/-
17	Managing networks through open source Technology	Prof. Sahana Bhosale	2009-2010	10,000/-
Total Quality Improvement Grant Received				Rs. 10,82,500

Quality Improvement Program (QIP) –Equipment Grants

Sr. No.	Title of the Program	Name of Program Director	Year	Grants Received in Rs.
1	LCD projector	Prof. Dr. Bilgi D.S./ Prof. V.R.Pawar	2008-2009	1,00,000/-
2	Printer	Prof. Dr. Bilgi D.S./ Prof. V.R.Pawar	2012-203	1,00,000/-
3	Total Grants			2,00,000/-