



# AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S ANANTRAO PAWAR COLLEGE OF ENGINEERING & RESEARCH



Sr. No. 103, Parvati, Pune - 411 009.  
Tel.: 020-24218901/8959 Tele Fax : 020-24213929  
Web.: <http://www.abmspcoerpune.org> Email : [abmspcoe@yahoo.com](mailto:abmspcoe@yahoo.com)

Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University  
**NAAC ACCREDITED**, DTE CODE :- EN 6794, AISHE CODE :- C-41484  
Savitribai Phule Pune University Identification No. PU/PN/Engg. / 441/2012,

## NAAC CRITERIA-3

### 3.3.2 Number of research papers in the Journals notified on UGC website during the Academic year 2023-24

S r. N o.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publica tion	ISSN number	Link to the recognition in UGC enlistment of the Journal
1	Design of Geosynthetic Reinforced Soil at Slope Failure and Analysis of soil by various Ground Improvement Techniques Interface Soil Models	Dr. Raviraj R. Sorate	Civil Engineering	AIP Conference Proceeding	2024	<a href="https://doi.org/10.1063/5.0224452">https://doi.org/10.1063/5.0224452</a>	<a href="#">Design of geosynthetic reinforced soil at slope failure and analysis of soil by various ground improvement techniques interface soil models   AIP Conference Proceedings   AIP Publishing</a>
2	Monitoring and Accelerating Methods of Corrosion for Reinforced Concrete: A Review	Dr. Sunil B. Thakare	Civil Engineering	Macromolecular Symposia	2023	DOI: 10.1002/masy.20230010	<a href="https://www.researchgate.net/publication/378468773_Monitoring_and_Accelerating_Methods_of_Corrosion_for_Reinforced_Concrete_A_Review">https://www.researchgate.net/publication/378468773_Monitoring_and_Accelerating_Methods_of_Corrosion_for_Reinforced_Concrete_A_Review</a>
3	Evaluating properties of Green Concrete produced using Waste Marble Powder, Quarry Dust, and Paper pulp	Dr. Sunil B. Thakare	Civil Engineering	Macromolecular Symposia	2023	DOI: 10.1002/masy.20230009	<a href="https://www.researchgate.net/publication/378468687_Evaluating_Properties_of_Green_Concrete_Produced_Using_Waste_Marble_Powder_Quarry_Dust_and_Paper_Pulp">https://www.researchgate.net/publication/378468687_Evaluating_Properties_of_Green_Concrete_Produced_Using_Waste_Marble_Powder_Quarry_Dust_and_Paper_Pulp</a>
4	Evaluation of properties of concrete without cement produced using Fly Ash-based Geopolymer	Dr. Sunil B. Thakare	Civil Engineering	Macromolecular Symposia	2023	DOI: 10.1002/masy.20230003	<a href="https://www.researchgate.net/publication/378468835_Evaluation_of_Properties_of_Concrete_Without_Cement_Produced_Using_Fly_Ash-Based_Geopolymer">https://www.researchgate.net/publication/378468835_Evaluation_of_Properties_of_Concrete_Without_Cement_Produced_Using_Fly_Ash-Based_Geopolymer</a>
5	Review on: Road Safety Audit on NH-48 in Pune, Maharashtra	Prof. Krantikumar V. Mhetre	Civil Engineering	International Journal of Creative Research Thoughts	2023	ISSN: 2320-2882	<a href="https://ijcrt.org/papers/IJCRT23A5460.pdf">https://ijcrt.org/papers/IJCRT23A5460.pdf</a>



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5	Review on: Road Safety Audit on NH-48 in Pune, Maharashtra	Prof. Krantikumar V. Mhetre	Civil Engineering	International Journal of Creative Research Thoughts	2023	ISSN: 2320-2882	<a href="https://ijcrt.org/papers/IJCRT23A5460.pdf">https://ijcrt.org/papers/IJCRT23A5460.pdf</a>
6	Design of a Model Using Machine Learning and Deep Dyna Q Learning Integration for Improved Disease Prediction in Remote Healthcare	Prof. Rama B. Gaikwad	Computer Engineering	Journal of Machine and Computing 4(3)	2024	ISSN: 2788-7669	<a href="https://anapub.co.ke/journals/jmc/jmc_pdf/2024/jmc_volume_4-issue_3/JMC202404051.pdf">https://anapub.co.ke/journals/jmc/jmc_pdf/2024/jmc_volume_4-issue_3/JMC202404051.pdf</a>
7	SecureSense : AI/ML Based Anomaly Detection Tool	Prof. Anil T Lohar	Computer Engineering	Publisher: IEEE	2024	DOI: 10.1109/ISCS61804.2024.10581060	<a href="https://ieeexplore.ieee.org/abstract/document/10581060">https://ieeexplore.ieee.org/abstract/document/10581060</a>
8	Network Security and Cryptography	Prof. Jitendra C. Musale	Computer Engineering	International Journal of Telecommunicati ons & Emerging Technologies	2023		<a href="https://ecc.journalspub.info/index.php?journal=JTCET&amp;page=article&amp;op=view&amp;path%5B%5D=1947">https://ecc.journalspub.info/index.php?journal=JTCET&amp;page=article&amp;op=view&amp;path%5B%5D=1947</a>
9	DESIGN AND DEVELOPMENT OF EFFECTIVE FACE RECOGNITION FROM VIDEO USING DEEP CONVOLUTIONAL NEURAL NETWORK TECHNIQUE	Prof. Jitendra C. Musale	Computer Engineering	Journal of Emerging Technology and Innovative Research (JETIR)	2023	ISSN-2349-5162	<a href="https://www.jetir.org/papers/JETIR2302413.pdf">https://www.jetir.org/papers/JETIR2302413.pdf</a>



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10	Survey on Forest Wildfire Detection Using Deep Learning	Prof. Jitendra C. Musale	Computer Engineering	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	ISSN: 2582-3930	<a href="https://ijsrem.com/download/survey-on-forest-wildfire-detection-using-deep-learning/">https://ijsrem.com/download/survey-on-forest-wildfire-detection-using-deep-learning/</a>
11	Design Of Conversion of Sign Language to Text	Prof. Jitendra C. Musale	Computer Engineering	Journal of Emerging Technology and Innovative Research (JETIR)	2023	ISSN-2349-5162	<a href="https://www.jetir.org/papers/JETIR2303334.pdf">https://www.jetir.org/papers/JETIR2303334.pdf</a>
12	Conversion of Sign Language to Text	Prof. Jitendra C. Musale	Computer Engineering	International Journal of Scientific Research in Engineering and Management (IJSREM)	2023	ISSN: 2321-9653	<a href="https://www.ijraset.com/best-journal/conversion-of-sign-language-to-text">https://www.ijraset.com/best-journal/conversion-of-sign-language-to-text</a>
13	Hybrid Features Extraction for Emotion Detection using Deep Convolutional Neural Network	Prof. Jitendra C. Musale	Computer Engineering	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2023	ISSN: 2321-9653	<a href="https://www.ijraset.com/best-journal/hybrid-features-extraction-for-emotion-detection-using-deep-convolutional-neural-network">https://www.ijraset.com/best-journal/hybrid-features-extraction-for-emotion-detection-using-deep-convolutional-neural-network</a>
14	<u>Chat-bot Health-Care Application using Artificial Intelligence</u>	Prof. Pranjali More	Computer Engineering	Publisher: IEEE	2024	DOI: 10.1109/MI TADTSoCiC on60330.2 024.105754 0	<a href="https://ieeexplore.ieee.org/abstract/document/10575404">https://ieeexplore.ieee.org/abstract/document/10575404</a>



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15	Optimizing QoS and security in agriculture IoT deployments: A bioinspired Q-learning model with customized shards	Prof. Pranjali More	Computer Engineering	Elsevier	2024	<a href="https://doi.org/10.1016/j.heliyon.2024.e24224">https://doi.org/10.1016/j.heliyon.2024.e24224</a>	<a href="https://www.sciencedirect.com/science/article/pii/S240584402400255X">https://www.sciencedirect.com/science/article/pii/S240584402400255X</a>
16	Self-Rechargeable E Bike Using Dynamo	Prof. Amruta More	Computer Engineering	Journal on Electronic and Automation Engineering	2024	ISSN: 2583-6951	<a href="https://restpublisher.com/wp-content/uploads/2024/03/Self-Rechargeable-E-bike-Using-Dynamo.pdf">https://restpublisher.com/wp-content/uploads/2024/03/Self-Rechargeable-E-bike-Using-Dynamo.pdf</a>
17	Productive Food Waste Tracking Application	Prof. Amruta More	Computer Engineering	STM Journals	2024	DOI: <a href="https://doi.org/10.37591/JOMTR.A.v11i01.0">https://doi.org/10.37591/JOMTR.A.v11i01.0</a>	<a href="https://journals.stmjournals.com/jomtra/article=2024/view=138615/">https://journals.stmjournals.com/jomtra/article=2024/view=138615/</a>
18	CROWDFUNDING IN DECENTRALIZED PLATFORM SURVEY	Prof. Shweta Joshi	Computer Engineering	International Journal of Novel Research and Development	2024	ISSN: 2456-4184	<a href="https://www.ijnrd.org/papers/IJNRD2403540.pdf">https://www.ijnrd.org/papers/IJNRD2403540.pdf</a>
19	Automatic Attendance System Using Face Recognition	Prof. Dewendra Bharambe	Computer Engineering	International Journal of Research Publication and Reviews	2024	ISSN 2582-7421	<a href="https://ijrpr.com/uploads/V5ISSUE4/IJRPR26069.pdf">https://ijrpr.com/uploads/V5ISSUE4/IJRPR26069.pdf</a>



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20	SCRAP DOCTOR : A RECYCLING APPLICATION	Prof. Dewendra Bharambe	Computer Engineering	International Journal of Novel Research and Development	2024	ISSN:2456-4184	<a href="https://www.ijnrd.org/papers/IJNRD2404220.pdf">https://www.ijnrd.org/papers/IJNRD2404220.pdf</a>
21	Android app to connect farmers to farmers & agricultural machinery rental business	Prof. Sambhaji Nawale	Computer Engineering	International Journal of Novel Research and Development	2023	ISSN:2456-4184	<a href="https://www.ijnrd.org/papers/IJNRD2311183.pdf">https://www.ijnrd.org/papers/IJNRD2311183.pdf</a>
22	Gesture Based Digital Art Creation with Finger Mounted Bead	Prof. Chetana Upasani	Computer Engineering	International Journal of All Research Education and Scientific Methods (IJARESM)	2023	ISSN: 2455-6211	<a href="https://www.ijaresm.com/uploaded_files/document_file/Prof._Chetana_Upasani_8gPS.pdf">https://www.ijaresm.com/uploaded_files/document_file/Prof._Chetana_Upasani_8gPS.pdf</a>
23	IoT-based Weather Information System Using WeMos	Dr. Amar Deshmukh	Electronics & Telecommunication	European Chemical Bulletin(ECB)	2023	ISSN: 2063-5346	<a href="https://ijisae.org/index.php/IJISAE/article/view/2534/1117">https://ijisae.org/index.php/IJISAE/article/view/2534/1117</a>
24	Bomb Detection and Diffusion Robot	Prof. Vaishali Bhimte	Electronics & Telecommunication	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	2024	ISSN (Online) 2581-9429	<a href="https://ijarsct.co.in/Paper16689.pdf">https://ijarsct.co.in/Paper16689.pdf</a>



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25	A Review On Smart Polyhouse Development And Control Using Iot	Prof. Sharad Jagtap	Electronics & Telecommunication	International Journal of Research and Analytical Reviews (IJRAR)	2023	ISSN: 2349-5138	<a href="https://ijisae.org/index.php/IJISAE/article/view/2534/1117">https://ijisae.org/index.php/IJISAE/article/view/2534/1117</a>
26	NOMA -Spatial Modulation: Solving Power Allocation Issue via Improved Black Widow Optimization	Prof. Kishro Jadhav	Electronics & Telecommunication	Science Direct	2023	ISSN: 2455-6211	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0965997822002435">https://www.sciencedirect.com/science/article/abs/pii/S0965997822002435</a>
27	"Energy-Efficient Routing Algorithm for Wireless Sensor Networks in Invasive Pipe Monitoring Systems"	Prof. Swati Gandhi	Electronics & Advanced Communication (ACI)	International Journal of intelligent systems and applications in engineering	2023	ISSN:2147-6799	<a href="https://ijisae.org/index.php/IJISAE/article/view/3495/2091">https://ijisae.org/index.php/IJISAE/article/view/3495/2091</a>
28	A Flower Pollination Algorithm-Optimized Wavelet Transform and Deep CNN for Analyzing Binaural Beats and Anxiety	Prof. Devika Rankhambe	Information Technology	MDPI	2024	<a href="https://doi.org/10.3390/ai5010007">https://doi.org/10.3390/ai5010007</a>	<a href="https://www.mdpi.com/2673-2688/5/1/7">https://www.mdpi.com/2673-2688/5/1/7</a>
28	Data Visualization and Prediction of Water Quality Monitoring System using IoT and Machine Learning	Prof. Ramesh Lavhe	Information Technology	International Journal of Research Publication and Reviews	2023	ISSN 2582-7421	<a href="https://ijrpr.com/uploads/V4ISSUE4/IJRPR11821.pdf">https://ijrpr.com/uploads/V4ISSUE4/IJRPR11821.pdf</a>



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29	Accident Detection Using Raspberry Pi	Prof. Ramesh Lavhe	Information Technology	IJARIE	2023	ISSN(O)-2395-4396	<a href="https://ijarie.com/AdminUploadPdf/Accident_Detection_Using_Raspberry_Pi_In_Python_ijarie19492.pdf">https://ijarie.com/AdminUploadPdf/Accident_Detection_Using_Raspberry_Pi_In_Python_ijarie19492.pdf</a>
30	Review Paper of Smart Helmet for Accident Detection Mechanism Using IoT	Prof. Sayali Kokane	Information Technology	International Journal of Research Publication and Reviews	2023	ISSN 2582-7421	<a href="https://ijrpr.com/uploads/V4ISSUE4/IJRPR11910.pdf">https://ijrpr.com/uploads/V4ISSUE4/IJRPR11910.pdf</a>
31	IoT Based Air Quality Prediction System Using SVM And RF	Prof. Ashok Kalal	Information Technology	IJARIE	2023	ISSN(O)-2395-4396	<a href="https://ijarie.com/AdminUploadPdf/IoT_Based_Air_Quality_Prediction_System_Using_SVM_And_RF_ijarie19375.pdf?srsId=AfmBOopt_RIAW6B1HRS_f9mrO1OG4cJrtZX72VYrh0qbbMxeIWzM2wyz">https://ijarie.com/AdminUploadPdf/IoT_Based_Air_Quality_Prediction_System_Using_SVM_And_RF_ijarie19375.pdf?srsId=AfmBOopt_RIAW6B1HRS_f9mrO1OG4cJrtZX72VYrh0qbbMxeIWzM2wyz</a>
32	Automated Paralysis Patient Healthcare Monitoring System Using IoT	Prof. Ashok Kalal	Information Technology	IJSRD - International Journal for Scientific Research & Development	2023	ISSN (online): 2321-0613	<a href="https://www.ijsrd.com/articles/IJSRDV11I20206.pdf">https://www.ijsrd.com/articles/IJSRDV11I20206.pdf</a>
33	Accident Detection Using Raspberry Pi	Prof. Ramesh Lavhe	Information Technology	IJARIE	2023	ISSN(O)-2395-4396	<a href="https://ijarie.com/AdminUploadPdf/Accident_Detection_Using_Raspberry_Pi_In_Python_ijarie19492.pdf">https://ijarie.com/AdminUploadPdf/Accident_Detection_Using_Raspberry_Pi_In_Python_ijarie19492.pdf</a>



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34	Social Distancing Device Using Arduino UNO	Prof. Akash Dodke	Information Technology	IJCRT	2023	ISSN: 2320-2882	<a href="https://ijcrt.org/papers/IJCRT23A4044.pdf">https://ijcrt.org/papers/IJCRT23A4044.pdf</a>
35	Survey on Skin Disease Detection Using Machine Learning and Image Processing	Prof. Akash Dodke	Information Technology	International Journal of Research Publication and Reviews	2023	ISSN 2582-7421	<a href="https://ijrpr.com/uploads/V4ISSUE3/IJRPR10584.pdf">https://ijrpr.com/uploads/V4ISSUE3/IJRPR10584.pdf</a>
36	Design and Implementation of an Opinion Mining-Based System for Detecting Fake Product Reviews	Prof. Akash Dodke	Information Technology	International Journal of Research Publication and Reviews	2023	ISSN 2582-7421	<a href="https://ijrpr.com/uploads/V4ISSUE4/IJRPR12172.pdf">https://ijrpr.com/uploads/V4ISSUE4/IJRPR12172.pdf</a>
37	Automatic Face Recognition and Detection for Criminal Identification Using Machine Learning	Prof. Rajshri Nikam	Information Technology	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2023	ISSN: 2321-9653	<a href="https://www.ijraset.com/best-journal/automatic-face-recognition-and-detection-for-criminal-identification-using-machine-learning">https://www.ijraset.com/best-journal/automatic-face-recognition-and-detection-for-criminal-identification-using-machine-learning</a>
38	AN INNOVATIVE APPROACH USING CYBER SECURITY FOR STEGANOGRAPHY USING STANWIS ALGORITHM	Prof. Rajshri Nikam	Information Technology	International Research Journal of Modernization in Engineering Technology and Science	2023	e-ISSN: 2582-5208	<a href="https://www.irjmets.com/uploadedfile/s/paper/issue_5_may_2023/39852/financial_irjmets1684818091.pdf">https://www.irjmets.com/uploadedfile/s/paper/issue_5_may_2023/39852/financial_irjmets1684818091.pdf</a>





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39	A Survey on Cyber Security using Steganography	Prof. Rajshri Nikam	Information Technology	International Journal of All Research Education and Scientific Methods (IJARESM)	2023	ISSN: 2455-6211	<a href="https://www.ijaresm.com/uploaded_files/document_file/Naresh_KumawatqWPV.pdf">https://www.ijaresm.com/uploaded_files/document_file/Naresh_KumawatqWPV.pdf</a>
40	Personality Prediction Based Upon Big Five Personality Traits	Prof. Kiran Ghate	Information Technology	International Journal of Advance Research and Innovative Ideas in Education	2023	e-ISSN: 2395-4396	<a href="https://ijariie.com/FormDetails.aspx?MenuScriptId=218230&amp;srsId=AfmBOoFKtg-J6YNNWcEKiQ0R3t-GcE-deKfa7bZYnNRBC2tY0vHD4Bg">https://ijariie.com/FormDetails.aspx?MenuScriptId=218230&amp;srsId=AfmBOoFKtg-J6YNNWcEKiQ0R3t-GcE-deKfa7bZYnNRBC2tY0vHD4Bg</a>
41	A Survey on Machine Learning-based Crop Yield Prediction	Prof. Kiran Ghate	Information Technology	International Journal of Research Publication and Reviews	2023	ISSN 2582-7421	<a href="https://ijrpr.com/uploads/V4ISSUE3/IJRPR10518.pdf">https://ijrpr.com/uploads/V4ISSUE3/IJRPR10518.pdf</a>
42	Estimation of contact stresses in EN31 rolling contact bearings for screw compressor using Gauss quadrature & statistical analysis	Prof. Kashinath Munde	Mechanical Engineering	Taylor & Francis	2023	<a href="https://doi.org/10.1080/14484846.2023.2195098">https://doi.org/10.1080/14484846.2023.2195098</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/14484846.2023.2195098">https://www.tandfonline.com/doi/abs/10.1080/14484846.2023.2195098</a>
43	Experimental setup for fault detection of rolling contact bearing for prediction of RUL	Prof. Ganesh Kondhalkar	Mechanical Engineering	AIP Conference Proceeding	2023	<a href="https://doi.org/10.1063/5.0157139">https://doi.org/10.1063/5.0157139</a>	<a href="https://pubs.aip.org/aip/acp/article-abstract/2890/1/020031/2906939/Experimental-setup-for-fault-detection-of-rolling?redirectedFrom=fulltext">https://pubs.aip.org/aip/acp/article-abstract/2890/1/020031/2906939/Experimental-setup-for-fault-detection-of-rolling?redirectedFrom=fulltext</a>



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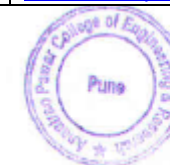


Sr. No. 103, Parvati, Pune - 411 009.  
Tel.: 020-24218901/8959 Tele Fax : 020-24213929  
Web.: <http://www.abmspcoerpune.org> Email : [abmspcoe@yahoo.com](mailto:abmspcoe@yahoo.com)

Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University  
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**3.3.2 Number of research papers in the Journals notified on UGC website during the Academic year 2023-24**

Sr. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
44	Experimental setup for fault detection of rolling contact bearing for prediction of RUL	Prof. Ashish Pawar	Mechanical Engineering	AIP Conference Proceeding	2023	<a href="https://doi.org/10.1063/5.0157139">https://doi.org/10.1063/5.0157139</a>	<a href="https://pubs.aip.org/aip/acp/article-abstract/2890/1/020031/2906939/Experimental-setup-for-fault-detection-of-rolling?redirectedFrom=fulltext">https://pubs.aip.org/aip/acp/article-abstract/2890/1/020031/2906939/Experimental-setup-for-fault-detection-of-rolling?redirectedFrom=fulltext</a>
45	Prototype Gantry System For Polyhouse Application	Prof. Ashish Pawar	Mechanical Engineering	IJIREEICE	2023	ISSN (O) 2321-2004,	<a href="https://ijireeice.com/wp-content/uploads/2023/06/IJIREEICE.2023.11603.pdf">https://ijireeice.com/wp-content/uploads/2023/06/IJIREEICE.2023.11603.pdf</a>



*Kanekar*  
Principal