

RESEARCH AND DEVELOPMENT CELL

Journal Publications 2025-26

Sr. No	Faculty Name	Department	Paper Title	Journal Name	Publication Type (Scopus/SCI/UGC/Peer-Reviewed)	Month-Year
1	Dr. S.S. Sarade	AIML	Statistical Performance Analysis of an Adaptive Honey Badger Optimization Algorithm on Benchmark Functions	SSRG International Journal of Computer Science and Engineering	Peer Review	Jan 2026
2	Ms. Amruta Madan Itkarkar	AIML/AI DS	Advancing Malware Detection Through Multimodal Analysis, Reinforcement Learning, And Explainable AI	Advancing Malware Detection Through Multimodal Analysis, Reinforcement Learning, And Explainable AI	Peer Reviewed	May 2025
3	Mrs.Amruta Amar Pail	AIML/AI DS	Online Rental an Booking Platform	International Research Journal Of Modernization in Engineering Technology and Science	Peer Reviewed	October 2025
4	Mrs.Amruta Amar Pail	AIML/AI DS	Flight OnlineTikit Booking	International Research Journal Of Modernization in Engineering Technology and Science	Peer Reviewed	October 2025
5	Mrs.Amruta Amar Pail	AIML/AI DS	Online Food Ordering System	International Research Journal Of Modernization in Engineering Technology and Science	Peer Reviewed	October 2025
6	Mrs.Amruta Amar Pail	AIML/AI DS	Dairy Milk Management System	International Research Journal Of Modernization in Engineering Technology and Science	Peer Reviewed	October 2025
7	Mrs.Amruta Amar Pail	AIML/AI DS	Farm Ease Appliation	International Research Journal Of Modernization	Peer Reviewed	October 2025

				in Engineering Technology and Science		
8	Mrs.Amruta Amar Pail	AIML/AI DS	Online Book Store	International Research Journal Of Modernization in Engineering Technology and Science	Peer Reviewed	October 2025
9	Prof. V. V. Gondakar	ASH	Mathematical optimization of inventory control systems with random demand and dynamic constraints;	International Journal of Statistics and Applied Mathematics;	Scopus	June 2025
10	Prof. V. V. Gondakar	ASH	Integrated inventory models under time-dependent demand, deterioration, lost sales, and trade credit in a supply chain environment;	Journal of Mathematical Problems, Equations and Statistics;	Peer reviewed	July 2025
11	Prof. V. V. Gondakar	ASH	Operations research and inventory management models	International Journal of Physics and Mathematics	Scopus	June 2025
12	Dr. R. R. Zond	ASH	Fe ₃ O ₄ @SiO ₂ @CPTMS – PADETA nanocomposite-catalysed one-pot three-component synthesis of spiroindoloquinazolines: A combined biological and computational profiling,	Journal of Molecular Structure	Scopus	23 July 2025
13	Dr. R. R. Zond	ASH	Synthesis, characterization, and catalytic application of novel magnetically separable Fe ₃ O ₄ @SiO ₂ -Pr-NH-TDI-VB1 for rapid synthesis of hydrazinyl thiazoles,	Applied Organometallic Chemistry	Scopus	July 2025
14	Dr. R. R. Zond	ASH	Fe ₃ O ₄ @SiO ₂ -Pr-N-DETAAP-Cu(II): A new magnetically separable catalyst for efficient synthesis of 1,4-disubstituted 1,2,3-triazole using click reaction	Journal of Molecular Structure	Scopus	20 August 2025
15	Dr. S. B. Patil	ASH	Regulated α -Fe ₂ O ₃ nanosheet-based chemically synthesized anodes for energy-dense, binder-free divalent Mg-ion hybrid supercapacitors	Journal of Power Sources	Scopus	Dec 2025
16	Dr. S. B. Patil	ASH	Binder- free chemical synthesis of reduced grapheneoxide/transition metal oxide- based composite for supercapacitor application	<u>Journal of Materials Science</u>	Scopus	Dec 2025
17	Amol A. Suryawanshi	ASH	Binder- free chemical synthesis of reduced grapheneoxide/transition metal oxide- based composite for supercapacitor application	<u>Journal of Materials Science</u>	Scopus	Dec 2025
18	Dr. R. R. Zond	ASH	Fe ₃ O ₄ @SiO ₂ -Pr-THAM-(Bu-SO ₃ H) ₃ as a new magnetically separable catalyst for eco-friendly synthesis of pyrazolopyranopyrimidines and	Journal of Molecular Structure	Scopus	January 2026

			their DFT studies			
19	Dr. R. R. Zond	ASH	Reshma Yadav, Rutuja Zond, Sujata Padaval, Sandip Sabale, Deok-Kee Kim, Pravin Dongare, Sandeep Sankpal, Shankar Hangirgekar		Scopus	January 2026
20	Bhagyashree R. Mali	Civil	Experimental investigation of moment carrying capacity of cellular beam in view of lateral distortional buckling	International Journal of Structural Engineering	Scopus	Septembe r 2, 2025
21	Dr Jaydeep M Shinde	Civil	Delay Analysis of Infrastructure Project Of Pune Metro	Journal of Transportation Systems Engineering and Information Technology	Scopus	January 2026
22	Prof. Y. S. Chokakkar	Civil	A Review Paper On Study Of Assessment On Groundwater Chemistry Under Industrial Areas	Journal of Emerging Technology & scientific Research	peer reviewed	January 2026
23	Dr Jaydeep M Shinde	Civil	A Review on Identification of Factors Causing Delay in Metro Rail Project	Journal of Xidian University	Scopus	January 2026
24	Dr Jaydeep M Shinde	Civil	Planning and Scheduling of a Construction Project by Primavera P6 Software – A Case Study	International Journal of Civil and Environmental Engineering (IJCEE)		January 2026
25	Dr Jaydeep M Shinde	Civil	Delay Analysis in Construction and Project Planning and Scheduling Using Primavera P6: A Review	International Research Journal of Engineering and Technology (IRJET)		January 2026
26	Dr Jaydeep M Shinde	Civil	Optimizing Constuction Equipment Efficiency : A case study onProductivity, Maintenance and Cost Impacts	Journal of Transportation System Engineering and Information Technology (JTSETI)	Scopus	August, 2025
27	Dr Jaydeep M Shinde	Civil	Impact of poor workmanship on construction industry	Journal of Transportation System Engineering and Information Technology (JTSETI)	Scopus	August, 2025
28	Dr Jaydeep M Shinde	Civil	Artificial Intelligence and Machine Learning Applications in Construction Cost Forecasting: Model Evaluation and Web-Based Deployment	Journal of Xidian University	Scopus	August, 2025
29	Dr Jaydeep M Shinde	Civil	Forecasting Constuction Costs with AI and Machine Learning: A Comprehensive Study	POSITIF Journal	Scopus	August, 2025
30	Dr Jaydeep M Shinde	Civil	Comprehensive Risk Based evaluation of Existing Structure	International Journal of Scientific	Scopus	August, 2025

			Using Rebound Hammer Testing and Multi criteria Decision Making Approaches	Research in Engineering and Management		
31	Dr Jaydeep M Shinde	Civil	Construction Cost Estimation Using Machine Learning	International Journal of Computational and Experimental Science and Engineering (IJCESEN),	Scopus	Dec 10, 2025
32	Prof. J. A. Patil	Civil	Assessment of inflation driven construction material cost escalation using market prices and wholesale price index data	Discover Civil Engineering	Scopus	12 May 2026
33	Prof. J. A. Patil	Civil	A Comprehensive Bibliometric Analysis of Material Cost Escalation in Building Construction	Engineering and Technology Horizons (ETH)	Scopus	May 2026
34	Prof. J. A. Patil	Civil	Efficient Management of Equipment and Manpower Resources in Construction Projects with MSP	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	July 2025
35	Prof. J. A. Patil	Civil	Feasibility Management and Maintenance in Highway Construction Zone	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	July 2025
36	Prof. J. A. Patil	Civil	Planning, Scheduling, and Delay Analysis of a Commercial Building Using Microsoft Project (MSP): A Case Study	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	July 2025
37	Prof. J. A. Patil	Civil	Recognition And Identification of Road Pavement Cracks Through Images By using Machine Learning Algorithm	International Journal for Research Trends and Innovation (IJRTI)	Peer-Reviewed	August 2025
38	Prof. G. N. Chavan-Patil	Civil	Integrating building information modeling and Primavera P6 to mitigate delays and optimize costs in public housing projects in India	Discover Civil Engineering	Scopus	June 2026
39	Prof. G. N. Chavan-Patil	Civil	Improving Labour Productivity through Implementation of 5S Methodology	POSITIF Journal	Scopus	March 2026
40	Prof. G. N. Chavan-Patil	Civil	Comprehensive Performance Analysis of Eco Friendly and Conventional Buildings in Terms of Energy & Environmental Efficiency	Journal of Technology	peer reviewed	Dec 2025
41	Prof. G. N. Chavan-Patil	Civil	A Review on Integrating Construction Management Strategies & Machine Learning for Domestic Water Distribution Networks	Journal of Technology	peer reviewed	Dec 2025

42	Prof. G. N. Chavan-Patil	Civil	Review on Smart Water Distribution Framework for Lift Irrigation using Artificial Intelligence	Journal of Technology	peer reviewed	Dec 2025
43	Prof. G. N. Chavan-Patil	Civil	A Review on Integrating Construction Management Strategies & Machine Learning for Domestic Water Distribution Networks	Journal of Technology	peer reviewed	Dec 2025
44	Ms. Shradha Prakash Patil	CSE	Intrusion Detection System in Network Security	IJSREM	Peer reviewed	
45	Ms. Shradha Prakash Patil	CSE	Crowdsourced Civic Issue Reporting and resolution System	International Scientific Journal of Engineering and Management (ISJEM)	Peer-Reviewed	May – 2026
46	Ms. Shradha Prakash Patil	CSE	WorkEase: Deep Learning-Based Framework for Multimedia Forgery Detection	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May - 2026
47	Ms.Vaibhavi Baban Koli	CSE	Communication App for People with Disabilities	International Journal of Advanced Research in Science, Communication & Technology (IJARSCT)	Peer-Reviewed	June 2026
48	Ms.Vaibhavi Baban Koli	CSE	Safeguard : AI-Powered Industrial Safety Monitoring System	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May - 2026
49	Mrs.Prachi Girish Chavan	CSE	College Management app	International Journal of Scientific Research in Engg & Management		
50	Mrs.S.R.Patil	CSE	AI-Driven Audio Signal Analysis For Healthcare Monitoring	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May - 2026
51	Mrs.S.R.Patil	CSE	Study & Analysis Of Mobile Phone Addiction in the Context of Artificial Intelligence	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May- 2026
52	Mrs.A.A.Mahaldar	CSE	CloudPulse AI AI-Powered Cloud FinOps Advisor	International Journal of Scientific Research in Engineering and Management	Peer-Reviewed	June- 2026

				(IJSREM)		
53	Mrs.A.A.Mahaldar	CSE	Optimized Electricity Bill Prediction System	International Journal of Advanced Research in Science, Communication and Technology	Peer-Reviewed	May-2026
54	Mrs.A.A.Mahaldar	CSE	Reality Shield: AI Generated Content Detector	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May-2026
55	Ms.S.A.Chavan	CSE	Eco-Fertilization	International Journal of Scientific Research in Engineering and Management (IJSREM)		May-2026
56	Ms.S.A.Chavan	CSE	Survilfind-AI Based Missing Person Detection and Intelligent Surveillance Monitoring system	International Journal of Scientific Research in Engineering and Management (IJSREM)		May-2026
57	Ms.S.A.Chavan	CSE	AI Virtual Interview	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May-2026
58	Ms.P.P.Nagarkar	CSE	Smart Skin Health Detection: Psoriasis and Aging Analysis Using AI/ML	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May-2026
59	Ms.P.P.Nagarkar	CSE	Smart Health ASSIST:An Intelligent Chatbot for disease Predication Using machine learning	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	Jun 2026
60	Mr. V. A. Patil	CSE	NeuroBloom: Animated Immersive Learning for Specially Challenged Students	Journal Publication of International Research for Engineering and Management (JOIREM)	Peer-Reviewed	May-2026
61	Mr. V. A. Patil	CSE	AI Based Contact Extraction for CRM	Journal Publication of International Research for Engineering and Management (JOIREM)	Peer-Reviewed	June-2026
62	Mr. V. A. Patil	CSE	Quantum-Resistant AI Model for	International	Peer-	May-

			Intrusion Detection	Journal for Research in Applied Science & Engineering Technology (IJRASET)	Reviewed	2026
63	Miss. M. M. Pawar	CSE	BioScan: IoT Enabled Blood Group and Glucose Detection Using Machine Learning	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Peer-Reviewed	May-2026
64	Miss. M. M. Pawar	CSE	Smart Legal Case Platform	International Scientific Journal of Engineering and Management (ISJEM)	Peer-Reviewed	May-2026
65	Miss. M. M. Pawar	CSE	DeepRetina: Detection of Diabetic Retinopathy	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May-2026
66	Mrs. D.A.Jadhav	CSE	AUTOMATIC MEETING MINUTES GENERATION USING MULTI-SPEAKER DIALOGUE SUMMARIZATION.	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May-2026
67	Mrs. D.A.Jadhav	CSE	AI-Driven Career Recommendation System	International Scientific Journal of Engineering and Management (ISJEM)	Peer-Reviewed	June-2026
68	Ms. P. R. Jadhav	CSE	Multimodal Computer Vision for Rapid Disaster Damage Analysis and Victim Detection using Deep Learning	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May-2026
69	Ms. P. R. Jadhav	CSE	CAMPUSSPHERE: SMART ACADEMIC MANAGEMENT SYSTEM	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
70	Mrs Pooja Amrish Patil	CSE	nextGen Interview Portal	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
71	Mrs Pooja	CSE	Early Detection of Autism	International	Peer-	May

	Amrish Patil		Spectrum Disorder	Journal of Scientific Research in Engineering and Management (IJSREM)	Reviewed	2026
72	Mrs.Anupama. D.Patil	CSE	QueryMate AI: An Offline Intelligent Multilingual Document Question-Answering System	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
73	Mrs.Anupama. D.Patil	CSE	AI-Cloud Based Digital Afterlife Service	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
74	Mrs.Anupama. D.Patil	CSE	AI-Based Criminal Fraud Detection System Using Facial Recognition	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
75	Mrs.Arati. V. Patil	CSE	CivicEase: A Smart Platform for Reporting and Resolving Civic Issues	International Research Journal of Engineering and Technology	Peer-Reviewed	May 2026
76	Mrs.Arati. V. Patil	CSE	AI-Based Load Balancer for Software Defined Networking (SDN)	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
77	Ms. Shradha Prakash Patil	CSE	Crowdsourced Civic Issue Reporting and resolution System	International Scientific Journal of Engineering and Management (ISJEM)	Peer-Reviewed	May – 2026
78	Ms. Shradha Prakash Patil	CSE	WorkEase: Deep Learning-Based Framework for Multimedia Forgery Detection	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May - 2026
79	Ms.Vaibhavi Baban Koli	CSE	Communication App for People with Disabilities	International Journal of Advanced Research in Science, Communication & Technology (IJARSCT)	Peer-Reviewed	June 2026
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89	Ms.S.A.Chavan	CSE	AI Virtual Interview	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May-2026
90	Ms.P.P.Nagale	CSE	Smart Skin Health Detection: Psoriasis and Aging Analysis Using AI/ML	International Journal of Scientific Research in	Peer-Reviewed	May-2026

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91	Ms.P.P.Nagare	CSE	Smart Health ASSIST:An Intelligent Chatbot for disease Predication Using machine learning	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	Jun 2026
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93	Mr. V. A. Patil	CSE	AI Based Contact Extraction for CRM	Journal Publication of International Research for Engineering and Management (JOIREM)	Peer-Reviewed	June-2026
94	Mr. V. A. Patil	CSE	Quantum-Resistant AI Model for Intrusion Detection	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Peer-Reviewed	May-2026
95	Miss. M. M. Pawar	CSE	BioScan: IoT Enabled Blood Group and Glucose Detection Using Machine Learning	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Peer-Reviewed	May-2026
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98	Mrs. D.A.Jadhav	CSE	AUTOMATIC MEETING MINUTES GENERATION USING MULTI-SPEAKER DIALOGUE SUMMARIZATION.	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May-2026
99	Mrs. D.A.Jadhav	CSE	AI-Driven Career Recommendation System	International Scientific Journal of	Peer-Reviewed	June-2026

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102	Mrs Pooja Amrish Patil	CSE	nextGen Interview Portal	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
103	Mrs Pooja Amrish Patil	CSE	Early Detection of Autism Spectrum Disorder	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
104	Mrs.Anupama. D.Patil	CSE	QueryMate AI: An Offline Intelligent Multilingual Document Question-Answering System	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
105	Mrs.Anupama. D.Patil	CSE	AI-Cloud Based Digital Afterlife Service	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
106	Mrs.Anupama. D.Patil	CSE	AI-Based Criminal Fraud Detection System Using Facial Recognition	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
107	Mrs.Arati. V. Patil	CSE	CivicEase: A Smart Platform for Reporting and Resolving Civic Issues	International Research Journal of Engineering and Technology	Peer-Reviewed	May 2026
108	Mrs.Arati. V. Patil	CSE	AI-Based Load Balancer for Software Defined Networking (SDN)	International Journal of Scientific Research in Engineering and Management (IJSREM)	Peer-Reviewed	May 2026
109	Dr.C.R.Dongar	E&C	RFID and GPS Integration for	Power System	Scopus	Decembe

	sane		Automated Bus Fare Calculation and Route Optimization	Technology		r 2025
110	Dr. D. J. Pawar	E&TC	Sensing Ionospheric Disturbances In Communication Systems Using UHF Electromagnetic Propagation Models	National Journal of Antenna and Propagation	Scopus	December 2025
111	Dr. S. R. Chougule	E&TC	FastColitisDetector-XAI: An Efficient AI Model Utilizing Sparse Autoencoder with Explainable AI for Ulcerative Colitis Diagnosis	MEX_103356	Scopus	June 2025
112	Dr. S. R. Chougule	E&TC	Review on Steganography Techniques used for Medical Imaging	Grenze International Journal of Engineering and Technology, June Issue	Scopus	June 2025
113	Dr. S. R. Chougule	E&TC	Review on Steganography Techniques used for Medical Imaging	Grenze International Journal of Engineering and Technology, June Issue	Scopus	June 2025
114	Dr. S. R. Chougule	E&TC	Identification and Categorization of Apple Fruit Disorders	Grenze International Journal of Engineering and Technology, June Issue	Scopus	June 2025
115	Dr. S. R. Chougule	E&TC	EV Battery Thermal Monitoring Using IOT BMS:	International Journal for Research Trends and Innovation	Peer Review	May 2026
116	Dr. S. R. Chougule	E&TC	Development and Analysis of a Video Super Resolution Algorithm in the Wavelet Domain Using Neural Network	Procedia Computer Science (Elsevier)	Scopus	2026
117	Dr. S. R. Chougule	E&TC	Ulcerative Colitis Detection and Severity Prediction Using a Hybrid Deep Learning Model	SSRG International Journal of Electronics and Communication Engineering	Scopus	June 2026
118	Dr. D. J. Pawar	E&TC	Ensemble-Based Robust Framework for Disease Prediction and Treatment Recommendation	Royal International Global Journal of Advance and Applied Research	Peer Reviewed International, Open Access Journal.	May 2026
119	Prof. S. V. Sagaokar	E&TC	Ensemble-Based Robust Framework for Disease Prediction and Treatment Recommendation	Royal International Global Journal of Advance and Applied Research	Peer Reviewed International, Open Access Journal.	May 2026
120	Dr. Vinaya K Thombare (Chavan)	Electrical	Hardware Implementation of Sudoku, Optimal Sudoku, Sky-Scraper, Novel Shade Dispersion and Magic Matrix Shifting PV Reconfiguration Techniques with	CPSS Transactions on Power Electronics and Applications	Scopus	June 2025

			MPPT Algorithm to Enhance Maximum Power			
121	Dr. V. S. Wadkar	Electrical	Solar Powered EV Charging System with Boost Converter	International Journal of Scientific Research and Engineering Development	Peer-Reviewed	June 2026
122	Mr.Sahil A. Mulani	Electrical	Microcontroller-Based Automatic Power Factor Correction System	INTERNATIONAL JOURNAL OF ENGINEERING DEVELOPMENT AND RESEARCH	Peer-Reviewed	June 2026
123	Dr. Amit Subhash Shelake	Mechanical	Optimization of Ultrasonic Vibration Assisted Dissimilar laser welding of Inconel 625 and 316L stainless steel using a hybrid interpretable Artificial Intelligence framework	Journal of Engineering Materials and Technology	Web of Science and Scopus	Jan-26
124	Mr. Amol Balwant Rabade	Mechanical	Advances in Weed Detection: A Comparative Review of Deep Learning and Sensor-Based Methodologies	Journal of Sensor and Cloud Computing	Peer reviewed	May – August, 2025
125	Mr. Rahul Anil Pasale	Mechanical	Application of Finite Difference Method Simulation for filling and solidification analysis	International Journal of Scientific Development and Research	Peer reviewed	August 1, 2025
126	Mr. P. S. Ladgaonkar	Mechanical	Dynamic Analysis of Rotor Bearing System with combined unbalance and bearing fault	Journal of Emerging Technologies and Innovative Research	Peer Review	April 2026
127	Mr. P. S. Ladgaonkar	Mechanical	Automatic generation of product manufacturing information from 3d cad models using deep learning experimental validation and post result analysis	International Journal of Innovative Research in Technology	Peer Review	May 2026
128	Dr. Kalpesh S. Kamble	Mechanical	Deep learning - Driven retinal vessel analysis for cardiovascular risk and heart attack prediction	International Journal of Engineering Development and Research	Peer Review (Open access)	June 2026
129	Dr. Kalpesh S. Kamble	Mechanical	Integration of production management and supply chain management: A framework for enhanced operational efficiency	Recent trends in Production Engineering ()	Peer Review (Open access)	Dec 2025