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Evidences of Faculty Publications, Books, Chapters, Citations, IPRs, Awards, Ph.D. Awarded, and Ph.D. Scholars Guided (Last 3 Years)

Institution Name: NUTAN MAHARASHTRA INSTITUTE OF ENGINEERING & TECHNOLOGY, PUNE

Department: Information Technology

Period: Academic Years 2022-23, 2023-24, 2024-25

Section 1: Summary Table of Faculty Research Outputs

YEAR	SCOPUS JOURNALS/CONFERENCES	BOOK	BOOK CHAPTER	PATENT	COPYRIGHTS
2024-25	10(SCOPUS)+16(UGC)=26	0	2	3	14
2023-24	05	1	0	2	5
2022-23	1	1	0	1	2
2021-22	1	0	0	0	0
Total	33	2	2	6	21

Section 2: Detailed List of Publications

Sr. No.	Faculty Name	Paper Title	Name of Journal /Conference Details	Indexing	Academic Year
1	Dr. Prasad Dhore	Math Accessibility for Blind People in Society Using Machine Learning	ECS Transactions	SCOPUS	2021-22
2	Prof. Nitin Wankhade	Optimization of Deep Generative Intrusion Detection System for Cloud Computing: Challenges and Scope for Improvements	EAI Endorsed Transactions on Scalable Information Systems	SCOPUS	2022-23
2	Prof. Kapil Wagh	Alzheimer Disease Progression Forecasting: Empowering Models Through hybrid of CNN and LSTM with PSO Optimization	2024 International Conference on Emerging Smart Computing and Informatics (ESCI)	IEEE	2023-24
3	Prof. Supriya Bhosale	Utilizing Machine Learning Approaches for Anomaly Detection in Industrial Control Systems	ICIMMI '23: Proceedings of the 5th International Conference on Information Management & Machine Intelligence	SCOPUS	2023-24
4	Prof. Supriya Bhosale	The Role of Nonlinear Analysis in Tackling Engineering Challenges and Advancing Technology	Advances in Nonlinear Variational Inequalities	SCOPUS	2023-24
5	Prof. Supriya Bhosale	Tomato Plant Disease Identification via Deep Learning Technique	International Journal of Image and Graphics	SCOPUS	2023-24
6	Prof. Nitin Wankhade	DeepADRA A: predicting adrenergic α inhibitors using deep learning	Journal of Biomolecular Structure and Dynamics	SCOPUS	2023-24
7	Dr. Prasad Dhore	Assessment of Bitumen Paver and HMP Efficiency for a Road Project	Panamerican Mathematical Journal	SCOPUS	2024-25
8	Dr. Prasad Dhore	An Experimental Investigation of Surface Roughness And Cutting Forces On GFRP	Advances in Nonlinear Variational Inequalities	SCOPUS	2024-25
9	Dr. Chandrakant Kokane	Mathematical Evaluation of Deep Learning Architecture	Panamerican Mathematical Journal	SCOPUS	2024-25

	Dr. Nitin Dhawas Prof. Yogesh Shepal	with Feature Fusion for Cervical Cancer Detection Classification			
10	Dr. Prasad Dhore	Design and Control of Modular Compliant XY Positioning stage	Panamerican Mathematical Journal	SCOPUS	2024-25
11	Prof. Ashish Manwatkar	Broadcast Tree Construction for Secure and Shortest Path Finding Techniques in WSN for Smart Farming Application	Conference: 2024 Global Conference on Communications and Information Technologies (GCCIT)	SCOPUS	2024-25
12	Prof. Ashish Manwatkar	Dynamic Cluster Head Selection and Secure Routing Approach Industry Framework for Precision Agriculture	2024 Asian Conference on Intelligent Technologies (ACOIT)	SCOPUS	2024-25
13	Prof. Ashish Manwatkar	Securing Industry-Based Precision Agriculture	2024 IEEE 4th International Conference on ICT in Business Industry & Government (ICTBIG)	SCOPUS	2024-25
14	Prof. Sonali Dongare Dr. Chandrakant Kokane	Implementing Swarm Robotics for Coordinated Multi-Agent Systems in Search and Rescue Operations to Improve Efficiency and Success Rates in Disaster Response	Panamerican Mathematical Journal	SCOPUS	2024-25
15	Chandrakant D. Kokane	Developing Advanced Navigation Algorithms for Autonomous Vehicles to Enhance Safety and Efficiency in Urban Environments Using Real-Time Sensor Data and Machine Learning	Panamerican Mathematical Journal	SCOPUS	2024-25
16	Dr. Chandrakant Kokane	Intelligent Automation of Security Policy Decisions Using AI: Analysis of ML and DL Approach	International Conference on Smart Computing and Informatics	SCOPUS	2024-25
17	Prof. Bharti Dhote	Autonomous Driver Drowsiness Detection System	Indian Journal of Technical Education	UGC CARE	2024-25
18	Dr. Chandrakant Kokane	Drive My Car	Indian Journal of Technical Education	UGC CARE	2024-25
19	Dr. Chandrakant Kokane	RescueNet – Prepare, Respond and Recover	Indian Journal of Technical Education	UGC CARE	2024-25

20	Prof. Dheeraj Patil	Agriculture, Food-Tech & Rural Development	Indian Journal of Technical Education	UGC CARE	2024-25
21	Prof. Sonali Dongare Prof. Vivek Nagargoje	Survival Analysis of Lung Cancer	Indian Journal of Technical Education	UGC CARE	2024-25
22	Dr. Nitin Dhawas	A Methodology for Securities and Cryptocurrency Trading Using Exploratory Data Analysis and Artificial Intelligence	Indian Journal of Technical Education	UGC CARE	2024-25
23	Dr. Nitin Dhawas	Animal Detection and Monitoring Using Static Cameras	INDIAN JOURNAL OF TECHNICAL EDUCATION	UGC CARE	2024-25
24	Dr. Yogesh Shepal	Realtime Traffic Monitoring and Controlling System	INDIAN JOURNAL OF TECHNICAL EDUCATION	UGC CARE	2024-25
25	Dr. Yogesh Shepal	Modeling and Predicting Cyber Hacking Breaches	INDIAN JOURNAL OF TECHNICAL EDUCATION	UGC CARE	2024-25
26	Prof. Dheeraj Patil	AI Powered Stock Prediction and Analysis	INDIAN JOURNAL OF TECHNICAL EDUCATION	UGC CARE	2024-25
27	Prof. Nitin Wankhade	Deep Learning for Real-Time Threat Detection in Surveillance Footage: A CNN-Based Approach	INDIAN JOURNAL OF TECHNICAL EDUCATION	UGC CARE	2024-25
28	Prof. Sonali Dongare Prof. Vivek Nagargoje	Real-Time Object Detection for Visually Impaired People using Android Application and Machine Learning Concepts	INDIAN JOURNAL OF TECHNICAL EDUCATION	UGC CARE	2024-25
29	Prof. Bharti Dhote	Dyslexia Detection Using Deep Learning	INDIAN JOURNAL OF TECHNICAL EDUCATION	UGC CARE	2024-25
30	Prof. Nitin Wankhade	Accelerating Intrusion Detection Dataset Analysis- A Framework Using AutoGen Agents for CIC-IDS	Journal of Information Systems Engineering and Management	SCOPUS	2024-25
31	Dr. Chandrakant Kokane	A Deep Learning Based Adaptive Model for Blocking Incoming Calls Based On The Caller's Voice Commands	Communications on Applied Nonlinear Analysis	SCOPUS	2024-25

32	Dr. Chandrakant Kokane	A Smart Waste Management: an Adaptive Algorithm for Classification of Degradable and Non-Degradable Waste using Machine Learning Model	Panamerican Mathematical Journal	SCOPUS	2024-25
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Section 3A: Books Published

SR. NO.	NAME OF FACULTY	TITLE OF BOOK	PUBLISHER	YEAR OF PUBLICATION
1	Mr. Laxmikant Malphedwar Ms. Supriya Bhosale	Python Programming For Effective Problem Solving	Pandit Publications	2022-23
2	Kapil Wagh	Deep Learning for Natural Language Processing	ISBN9798896730347	2023-24

Section 3 B: Book Chapters Published

SR. NO.	NAME OF AUTHOR	TITLE OF BOOK /CHAPTER	PUBLISHER	ISBN	YEAR OF PUBLICATION
1	Dr. Chandrakant Kokane	Data-Centric Artificial Intelligence for Multidisciplinary Applications	Chapman and Hall/CRC	9781003461500	2024-25
2	Dr. Chandrakant Kokane	Data-Centric AI Approaches for Machine Translation	Chapman and Hall/CRC	9781003461500	2024-25

Section 4: Google Scholar citation

SR. NO.	NAME	CITATION INDEX	H- INDEX	I10 - INDEX
1	Dr. Prasad Dhore	107	6	3
2	Dr. Chandrakant Kokane	98	6	5
3	Dr. Nitin Dhawas	48	4	2
4	Prof. Dheeraj Patil	0	0	0
5	Prof. Kapil Wagh	10	2	0
6	Prof. Sonali Dongare	0	0	0
7	Prof. Ashish Manvatkar	8	1	0
8	Prof. Vivek Nagargoje	0	0	0
9	Dr. Sonali Patil	0	0	0
10	Prof. Nitin Wankhade	3	1	0
11	Dr. Supriya Bhosale	24	3	1
12	Prof. Shivaji Patil	0	0	0
13	Prof. Karim Mulani	0	0	0
14	Prof. Laxmikant Malphedwar	20	3	1
15	Prof. Amarnath Chadchankar	1	1	0
16	Prof. Lalitkumar Borase	0	0	0
17	Prof. Vilas Ghonge	31	2	1
18	Prof. Bharti Dhote	41	3	1
19	Dr. Yogesh Shepal	4	1	0

Section 5: Scopus Faculty Profile

SR. NO.	NAME
1	Dr. Prasad Dhore
2	Dr. Chandrakant Kokane
3	Dr. Nitin Dhawas
4	Prof. Kapil Wagh
5	Prof. Sonali Dongare
6	Prof. Ashish Manvatkar
7	Prof. Vivek Nagargoje
8	Dr. Sonali Patil
9	Prof. Nitin Wankhade
10	Dr. Supriya Bhosale
11	Prof. Laxmikant Malphedwar
12	Prof. Amarnath Chadchankar
13	Prof. Lalitkumar Borase
14	Prof. Vilas Ghonge
15	Prof. Bharti Dhote
16	Dr. Yogesh Shepal

Section 5A: Intellectual Property Rights (IPRs) - Patent

SR. NO.	NAME OF FACULTY	PATENT NAME	DESIGN NO. / APPLICATION NO.	PATENT PUBLISHED DATE / GRANTED DATE (DD/MM/YYYY)	YEAR
1	Ashish Manvatkar	Self-Sanitizing Toilet Seat	202321030185	26-04-2023	2022-23
2	Dr. Sonali Patil	Machine Learning Based Portable Ultrasound Device	409545-001	10-05-2024	2023-24
3	Yogesh Shepal Dr. Supriya Bhosale Kapil Wagh	Ai Enhanced Daylight Pen : Seamless Writing For Day And Night	409546-001	09-05-2024	2023-24
4	Dr. Chandrakant Kokane Sonali Dongare Dr. Supriya Bhosale Vivek Nagargoje	Smart Traffic Management System Interface	422977-001	12-07-2024	2024-25
5	Dr. Chandrakant Kokane Yogesh Shepal Dr. Nitin Dhawas	Industrial Robotics Control Interface Display	441132-001	18-12-2024	2024-25
6	Dr. Chandrakant Kokane Sonali Dongare Yogesh Shepal	Wearable Health Monitoring Device	441133-001	18-12-2024	2024-25

Section 5B: Intellectual Property Rights (IPRs) – Copyright

SR. NO.	NAME OF FACULTY	COPYRIGHT TITLE	DIARY NUMBER	DATE OF FILING	YEAR OF REGISTRATION
1	Prof. Ashish Manvatkar Prof. Dheeraj Patil	A PowerPoint Presentation On Data Security Using Audio Video Steganography	6219/2023-CO/L	11-03-2023	2022-23
2	Prof. Ashish Manvatkar	Providing Efficient Medical Facilities For The Pregnant Womens In Rural Areas Using Convolutional Neural Network (Cnn)	7686/2023-CO/L	22-03-2023	2022-23
3	Prof. Yogesh Shepal Dr. Supriya Bhosale Kapil Wagh Dr. Sonali Patil Prof. Nitin Wankhade Prof. Vivek Nagargoje	Methodology For Word Embedding	8565/2024-CO/L	19-03-2024	2023-24
4	Prof. Yogesh Shepal Dr. Supriya Bhosale Kapil Wagh Dr. Sonali Patil Prof. Nitin Wankhade Prof. Vivek Nagargoje	Complex Network Approach For Word Sense Disambiguation	8561/2024-CO/L	19-03-2024	2023-24
5	Prof. Yogesh Shepal Dr. Supriya Bhosale Kapil Wagh Dr. Sonali Patil Prof. Nitin Wankhade Prof. Vivek Nagargoje	Adaptive Lexical Resource For Word Sense Disambiguation	8554/2024-CO/L	19-03-2024	2023-24
6	Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Sonali Patil Prof. Nitin Wankhade	Adaptive Methodology For Single-Sentence Word Sense Disambiguation	8552/2024-CO/L	19-03-2024	2023-24

	Prof. Vivek Nagargoje				
7	Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Sonali Patil Prof. Nitin Wankhade Prof. Vivek Nagargoje	Research Methodology: Word Sense Disambiguation	8537/2024-CO/L	19-03-2024	2023-24
8	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Prof. Dheeraj Patil Dr. Nitin Dhawas	A Novel Approach For Student Attendance Monitoring Using A Machine Learning Approach	L-154497/2024	10-08-2024	2024-25
9	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas Prof. Nitin Wankhade	A Novel Model For Detecting Deforestation Using Pattern Recognition	L-155070/2024	10-08-2024	2024-25
10	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Kapil Wagh Dr. Nitin Dhawas	Adaptive Model For Road Accidents	L-154502/2024	10-08-2024	2024-25
11	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas	An Adaptive Model For Imitation Learning In Robots	L-155415/2024	10-08-2024	2024-25
12	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas Prof. Sonali Dongare	An Adaptive Model For Plant Leaf Disease Detection And Prediction Using Image Processing	L-155419/2024	10-08-2024	2024-25

13	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Prof. Dheeraj Patil Dr. Nitin Dhawas	An Adaptive Model For Student's Mental Health Prediction Using Image Processing	L-155021/2024	10-08-2024	2024-25
14	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas	Babies Problems Prediction Using Natural Language Processing	L-154500/2024	10-08-2024	2024-25
15	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas	College Feedback System Report	L-154503/2024	10-08-2024	2024-25
16	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas	Detecting Tomato Diseases Using Automation	L-155037/2024	10-08-2024	2024-25
17	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas	Distributed Library System Design	L-155069/2024	10-08-2024	2024-25
18	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas	Floor Mill Management System	L-154496/2024	10-08-2024	2024-25
19	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas Prof. Vivek Nagargoje	Prediction Of Learners Sentiment Using Natural Language Processing	L-155418/2024	10-08-2024	2024-25

20	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas	Smart Floor Dust Recognition System	L- 155022/2024	10-08-2024	2024-25
21	Dr. Chandrakant Kokane Prof. Yogesh Shepal Dr. Supriya Bhosale Prof. Kapil Wagh Dr. Nitin Dhawas	Voice Based Email For Blind Person	L- 155412/2024	10-08-2024	2024-25

Section 6: Ph.D. Awarded Details

SR. NO.	NAME OF FACULTY	UNIVERSITY NAME	YEAR OF PHD AWARDED
1	Dr. Sonali Patil	Shri Jagdishprasad Jhabarmal Tibrewala University, Rajasthan	2024-25
2	Dr. Supriya Bhosale	D Y Patil University Pune, Maharashtra	2024-25
3	Dr. Yogesh Shepal	NIILM University Haryana	2024-25

Section 6B: PhD Guided Details

SR. NO.	NAME OF FACULTY	PH.D. SCHOLAR NAME	COMPLETION STATUS	YEAR OF PHD AWARDED
1	Dr. Prasad Dhore	Upadhe Gandhali Kumar	Completed	2024-25
2	Dr. Prasad Dhore	Sushma Sunil Bhosale	Completed	2024-25
3	Dr. Prasad Dhore	Sarika Tanajirao Thorat	Completed	2024-25
4	Dr. Prasad Dhore	Neeta Suryakant Brahme	Completed	2024-25
5	Dr. Prasad Dhore	Madhuri Marutirao Bidwe	Completed	2024-25
6	Dr. Prasad Dhore	Deepali Vana Patil	Completed	2024-25