

**BALLARPUR INSTITUTE OF TECHNOLOGY**  
**RESEARCH AND DEVELOPMENT DETAILS**

Sr. No.	R & D Contributions	2024-25	
1	Paper Publication in SCI/SCOPUS/UGC Care	103	
2	Paper presentation in IEEE & Scopus indexed Conference	1	
3	Patent	Filed	2
		Published	13
		Granted	15
4	Number of Books Authored	0	
5	Number of Books Chapters Authored	0	
6	Number of new externally funded Research Project Received	0	
7	Fund Received during this Academic Year in Rupees	0	



  
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 Ballarpur Institute of Technology  
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# Ballarpur Institute of Technology, Ballarpur

## Details of Research papers Published during Year 2024-2025

Sr.No	Name of the Teachers	Name of Department	Title of Research Paper/Book	Journal and its Issue in which Published/Publications/Conference/ Webinars Details	Whether UGC Care listed YES/NO	Month of Publication	ISBN/ISSN No
1	Dr.Sudhir Pode	MBA	The study of need assessment in and around Chandrapur City in the state of Maharashtra in India.	TANZ	YES	VOL.-19,ISSUE-8, AUG 2024	ISSN-1869-7720
2	Dr.Sudhir Pode	MBA	Smart Retail: The Convergence of IoT and AI in the Future of Commerce	Journal of Informatics Education and Research	YES	Vol 4 Issue 3 (2024)	ISSN: 1526-4726
3	Dr.Sudhir Pode	MBA	IoT-Driven Smart Cities: Leveraging Big Data and AI for Sustainable Urban Development	Journal of Informatics Education and Research	YES	Vol 4 Issue 3 (2024)	ISSN: 1526-4726
4	Dr.Sudhir Pode	MBA	Factors affecting Quality of Work life: An analysis of employee working in private companies in the state of Maharashtra in India.	Research Compedium Personnel Today	YES	Vol. 10 - September 2024	ISSN-0970-8405
5	Prof. Prashant R. Walke	Mechanical Engineering	Why CAD/CAM Software Is Essential in Industrial 3D Printing and Additive Manufacturing	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	Volume 13 Issue VIII Aug 2025	ISSN: 2321-9653
6	Prof. Prashant R. Walke	Mechanical Engineering	Failure Mode Analysis of Railway Engine Spring	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY-IJIRT	SCIE	Aug-2024	ISSN: 2349-6002
7	Prof. Bhagwat Dhekwar	Mechanical Engineering	Why CAD/CAM Software Is Essential in Industrial 3D Printing and Additive Manufacturing	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	Volume 13 Issue VIII Aug 2025	ISSN: 2321-9653
8	Prof. Vipeen Dabhere	Mechanical Engineering	Why CAD/CAM Software Is Essential in Industrial 3D Printing and Additive Manufacturing	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	Volume 13 Issue VIII Aug 2025	ISSN: 2321-9653
9	PROF. SNEHAL BESEKAR	Mechanical Engineering	Why CAD/CAM Software Is Essential in Industrial 3D Printing and Additive Manufacturing	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	Volume 13 Issue VIII Aug 2025	ISSN: 2321-9653

10	Dr. Mrunali Vaidya	Computer Science Engineering	OptiGuard: Detecting Glaucoma and Monitoring Eye Health Using Advanced Image Analysis	International Journal of Innovative Research in Science, Engineering and Technology	Yes	Dec-2024 (Vol. 13, Issue 12 )	2319-8753
11	Dr. Mrunali Vaidya	Computer Science Engineering	Performance Evaluation Of Tree-Based And Deep Neural Models For STD Classification: A Comparative Approach	International Journal of creative Research Thoughts	Yes	Jan-2025 (Vol-13, Issue-1)	2320-2882
12	Dr. Mrunali Vaidya	Computer Science Engineering	Empowering Brands with Data-Driven Insights	International Journal of Innovative Research in Science, Engineering and Technology	Yes	Jun-2025 (Vol.14, Issue-6)	2319-8753
13	Prof. Mehnaz Sheikh	Computer Science Engineering	GROTACE:IP Address Finder and Location Mapper	International Journal of Innovation Research in Science, Engineering and Technology(IJRSET)	YES	June-2025	2319-8759
14	Prof. Mehnaz Sheikh	Computer Science Engineering	Beyond Bark: Interpreting Animal Gestures	International Journal of Innovation Research in Science, Engineering and Technology(IJRSET)	YES	June-2025	2319-8759
15	Prof. Mehnaz Sheikh	Computer Science Engineering	Tier Sphere Securely Revolutionizing the Three-Tier Architecture with Advanced AWS Solutions	International Journal of Innovative Research in Computer and Communication Engineering(IJRCCE)	YES	June-2025	2320-9801
16	Dr. Prashant S. Watkar	Food Technology	Development and Optimization of a Ready-to-Use Brown Rice Phirni Premix	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930
17	Dr. Prashant S. Watkar	Food Technology	DEVELOPMENT AND QUALITY EVALUATION OF CARROT CRACKERS	INTERNATIONAL SCIENTIFIC JOURNAL OF ENGINEERING AND MANAGEMENT (ISJEM)	YES	May-25	ISSN: 2583-6129
18	Dr. Prashant S. Watkar	Food Technology	Development and Sensory Evaluation of Traditional Imali Candy with Enhanced Shelf-Life	International Journal of Research Publication and Reviews	YES	May-25	ISSN 2582-7421
19	Dr. Prashant S. Watkar	Food Technology	Development of Flattened Rice Crispy Wafers	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653; IC Value: 45.98
20	Dr. Prashant S. Watkar	Food Technology	Development, Nutritional Evaluation, and Sensory Analysis of Jackfruit (Artocarpus heterophyllus) Chips as a Value-Added Snack Product	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930
21	Dr. Prashant S. Watkar	Food Technology	Development of Frozen Desserts	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930
22	Dr. Prashant S. Watkar	Food Technology	Preparation of Flaxseed Airfried Kurkure	International Journal of Innovative Research in Science Engineering and Technology (IJRSET)	YES	May-25	e-ISSN: 2319-8753  p-ISSN: 2347-6710

23	Dr. Prashant S. Watkar	Food Technology	Formation and Preparation of Oatmeal Tahini Fudge	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653
24	Dr. Prashant S. Watkar	Food Technology	Formulation and Preparation of Spicy Peanut Chikki	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653;
25	Dr. Prashant S. Watkar	Food Technology	PREPARATION OF AMLA PULPY CANDY	International Journal of Research and Analytical Reviews (IJRAR)	YES	Apr-25	E-ISSN 2348-1269, P- ISSN 2349-5138
26	Dr. Prashant S. Watkar	Food Technology	Preparation of Aparajita flower candy	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930
27	Dr. Prashant S. Watkar	Food Technology	PREPARATION OF DRY DATES CUPCAKE	International Journal of Research and Analytical Reviews (IJRAR)	YES	May-25	(E-ISSN 2348-1269, P- ISSN 2349-5138
28	Dr. Prashant S. Watkar	Food Technology	PREPARATION OF EDIBLE GLITTER	International Journal of Research and Analytical Reviews (IJRAR)	YES	May-25	E-ISSN 2348-1269, P- ISSN 2349-5138
29	Dr. Prashant S. Watkar	Food Technology	Preparation of Fasting Biscuits by using Chestnut Flour	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	YES	May-25	e-ISSN: 2319-8753  p-ISSN: 2347-6710
30	Dr. Prashant S. Watkar	Food Technology	PREPARATION OF FASTING BISCUITS FROM RAJGIRA FLOUR	Journal of Emerging Technologies and Innovative Research (JETIR)	YES	May-25	(ISSN-2349-5162
31	Dr. Prashant S. Watkar	Food Technology	PREPARATION OF MULTI MILLETS KHAKRA	International Journal of Research and Analytical Reviews (IJRAR)	YES	May-25	E-ISSN 2348-1269, P- ISSN 2349-5138)
32	Dr. Prashant S. Watkar	Food Technology	Preparation of Nourish Cereals Premix	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653
33	Dr. Prashant S. Watkar	Food Technology	Production and Characterization of Pomegranate (Punica granatum L.) Wine: A Comprehensive Analysis of Sensory Attributes	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930

34	Dr. Prashant S. Watkar	Food Technology	Formulation and Development of Nutritious Sattu Based Cookies: A Functional Bakery Product	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653
35	Dr. Prashant S. Watkar	Food Technology	Preparation of Sattu Bites	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	Apr-25	ISSN:2321-9653
36	Dr. Prashant S. Watkar	Food Technology	Rum Production from Sugarcane Juice: Fermentation, Distillation, and Analysis	INTERNATIONAL SCIENTIFIC JOURNAL OF ENGINEERING AND MANAGEMENT (ISJEM)	YES	May-25	ISSN:2583-6129
37	Ajay M. Durge	Food Technology	Development and Sensory Evaluation of Traditional Imali Candy with Enhanced Shelf-Life	International Journal of Research Publication and Reviews	YES	May-25	ISSN 2582-7421
38	Ajay M. Durge	Food Technology	Development of Frozen Desserts	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930
39	Ajay M. Durge	Food Technology	Formation and Preparation of Oatmeal Tahini Fudge	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653
40	Ajay M. Durge	Food Technology	PREPARATION OF AMLA PULPY CANDY	International Journal of Research and Analytical Reviews (IJRAR)	YES	Apr-25	E-ISSN 2348-1269, P- ISSN 2349-5138
41	Ajay M. Durge	Food Technology	Preparation of Aparajita flower candy	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930
42	Ajay M. Durge	Food Technology	PREPARATION OF DRY DATES CUPCAKE	International Journal of Research and Analytical Reviews (IJRAR)	YES	May-25	(E-ISSN 2348-1269, P- ISSN 2349-5138
43	Ajay M. Durge	Food Technology	PREPARATION OF EDIBLE GLITTER	International Journal of Research and Analytical Reviews (IJRAR)	YES	May-25	E-ISSN 2348-1269, P- ISSN 2349-5138
44	Ajay M. Durge	Food Technology	Preparation of Fasting Biscuits by using Chestnut Flour	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	YES	May-25	e-ISSN: 2319-8753  p-ISSN: 2347-6710
45	Ajay M. Durge	Food Technology	PREPARATION OF MULTI MILLETS KHAKRA	International Journal of Research and Analytical Reviews (IJRAR)	YES	May-25	E-ISSN 2348-1269, P- ISSN 2349-5138)

46	Ajay M. Durge	Food Technology	Preparation of Nourish Cereals Premix	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653
47	Ajay M. Durge	Food Technology	Preparation of Sattu Bites	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	Apr-25	ISSN:2321-9653
48	Lilesh H. Pustode	Food Technology	Development and Optimization of a Ready-to-Use Brown Rice Phirni Premix	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930
49	Lilesh H. Pustode	Food Technology	DEVELOPMENT AND QUALITY EVALUATION OF CARROT CRACKERS	INTERNATIONAL SCIENTIFIC JOURNAL OF ENGINEERING AND MANAGEMENT (ISJEM)	YES	May-25	ISSN: 2583-6129
50	Lilesh H. Pustode	Food Technology	Development and Sensory Evaluation of Traditional Imali Candy with Enhanced Shelf-Life	International Journal of Research Publication and Reviews	YES	May-25	ISSN 2582-7421
51	Lilesh H. Pustode	Food Technology	Development of Flattened Rice Crispy Wafers	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653; IC Value: 45.98
52	Lilesh H. Pustode	Food Technology	Development, Nutritional Evaluation, and Sensory Analysis of Jackfruit (Artocarpus heterophyllus) Chips as a Value-Added Snack Product	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930
53	Lilesh H. Pustode	Food Technology	Production and Characterization of Pomegranate (Punica granatum L.) Wine: A Comprehensive Analysis of Sensory Attributes	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930
54	Lilesh H. Pustode	Food Technology	Formulation and Development of Nutritious Sattu Based Cookies: A Functional Bakery Product	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653
55	Lilesh H. Pustode	Food Technology	Rum Production from Sugarcane Juice: Fermentation, Distillation, and Analysis	International scientific journal of engineering and management (ISJEM)	YES	May-25	ISSN:2583-6129
56	Divya Korde	Food Technology	Preparation of Flaxseed Airfried Kurkure	International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)	YES	May-25	e-ISSN: 2319-8753  p-ISSN: 2347-6710
57	Krupasagar M. Deo	Food Technology	Development, Nutritional Evaluation, and Sensory Analysis of Jackfruit (Artocarpus heterophyllus) Chips as a Value-Added Snack Product	International Journal of Scientific Research in Engineering and Management (IJSREM)	YES	May-25	ISSN: 2582-3930

58	Krupasagar M. Deo	Food Technology	Formulation and Preparation of Spicy Peanut Chikki	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	YES	May-25	ISSN: 2321-9653;
59	Krupasagar M. Deo	Food Technology	Preparation of fasting biscuits from rajgira flour	Journal of Emerging Technologies and Innovative Research (JETIR)	YES	May-25	(ISSN-2349-5162
60	Dr. Pudari Harish	Mining Engineering	Risk assessment and management of water in mining industry by water treatment & recycling operations	Journal of Computational Analysis and Applications	YES	July, 2024	ISSN: 1521-1398
61	Dr. Pudari Harish	Mining Engineering	Blast vibration monitoring in opencast mines	Journal of Computational Analysis and Applications	YES	July, 2024	ISSN: 1521-1398
62	Dr. Pudari Harish	Mining Engineering	Modern mining technology for coal extraction	Journal of Computational Analysis and Applications	YES	July, 2024	ISSN: 1521-1398
63	Dr. Gurram Dileep	Mining Engineering	Coal gasification: a sustainable path for coal's future	Journal of Computational Analysis and Applications	YES	July, 2024	ISSN: 1521-1398
64	Dr. Gurram Dileep	Mining Engineering	An analytical review on underground coal gasification in india and abroad	Journal of Computational Analysis and Applications	YES	July, 2024	ISSN: 1521-1398
65	Dr. Gurram Dileep	Mining Engineering	Assessment of blasting-induced ground vibrations and influencing factors in surface mining operations	Journal of Computational Analysis and Applications	YES	July, 2024	ISSN: 1521-1398
66	Dr. Pudari Harish	Mining Engineering	geotechnical investigations of coalmine waste dump materials	Disaster Advances	YES	May-25	2278-4543
67	Dr. Pudari Harish	Mining Engineering	influence of underground workings and dump height on the stability of overburden dumps	Disaster Advances	YES	May-25	2278-4544
68	Dr. Pudari Harish	Mining Engineering	Stability Analysis of overburden dumps over old underground workinmgs using artificial neural networks	Journal of Mining Science	Yes	Mar-25	1573-8736
69	Prof. V. M. Pimpalkar	Electrical Engineering	Electronic Stability Control for Electric Vehicle with Four In-wheel Motors	International Journal of Innovative Research in Technology(IJIRT)	YES	May-25	Volume 11 Issue 12   ISSN: 2349-6002
70	Prof. V. M. Pimpalkar	Electrical Engineering	Electronic Stability Control for Electric Vehicle with Four In-wheel Motors	International Journal of All Research Education and Scientific Methods (IJARESM)	YES	May-25	ISSN: 2455-6211, Volume 13, Issue 5
71	Prof. V. M. Pimpalkar	Electrical Engineering	Transformation of Two-Wheeled Electric Vehicle from IC-Engine Vehicle	International Journal of Innovative Research in Technology(IJIRT)	YES	Oct-24	Volume 11 Issue 5 ISSN: 2349-6002
72	Prof. V. M. Pimpalkar	Electrical Engineering	Modifying an IC Two-wheeler Engine into a Battery Powered Two-Wheeler Vehicle	International Journal of Innovative Research in Technology(IJIRT)	YES	Sep-24	Volume 11 Issue 4 ISSN: 2349-6002

73	Prof. V. M. Pimpalkar	Electrical Engineering	Remodel An Electric Vehicle from Two-Wheeled IC Engine Vehicle	International Journal of Innovative Research in Technology(IJIRT)	YES	Sep-24	Volume 11 Issue 4 ISSN: 2349-6002
74	Gaurav Karlekar	Electrical Engineering	Harmonic Elimination of Multilevel Inverters Using Particle Swarm Optimization	International Journal of Innovative Research in Technology(IJIRT)	Yes	May-25	Volume 11 Issue 12; ISSN: 2349-6002
75	Gaurav Karlekar	Electrical Engineering	Research on Harmonic Elimination of Multilevel Inverters Using Particle Swarm Optimization	Journal of Embedded Intelligence and Vision Systems (JEIVS)	Yes	May-25	Volume 2, Issue 5; ISSN (P): 3049-057X
76	Gaurav Karlekar	Electrical Engineering	Harmonic Reduction of Multilevel Inverters Using Particle Swarm Optimization	International Journal of All Research Education and Scientific Methods (IJARESM)	Yes	01-Jun-25	Volume 13, Issue 6; ISSN: 2455-6211
77	Gaurav Karlekar	Electrical Engineering	Design and Implementation of 300 W Solar Tree	International Journal of Research Publication and Reviews	Yes	July 2025	Vol (6), Issue (7), Page– 3816-3819; ISSN 2582-7421
78	Gaurav Karlekar	Electrical Engineering	Solar Tree: The Future Of Green Energy	International Research Journal of Modernization in Engineering Technology and Science ( Peer-Reviewed, Open Access, Fully Refereed International Journal )	Yes	July 2025	Volume:07/Issue: 07/July-2025; e-ISSN: 2582-5208
79	Prof. P.S.TADSE	Electrical Engineering	Research on Harmonic Elimination of Multilevel Inverters Using Particle Swarm Optimization	Journal of Embedded Intelligence and Vision Systems	Yes	May-25	ISSN (P): 3049-057X
80	Prof. P.S.TADSE	Electrical Engineering	Harmonic Reduction of Multilevel Inverters Using Particle Swarm Optimization	International Journal of All Research Education and Scientific Methods (IJARESM)	Yes	01-Jun-25	ISSN: 2455-6211
81	Prof. H. S. Sheikh	Electrical Engineering	Electric Vehicles Wireless Charging Station With Charging Status	International Journal of Research & Analytical Rewies(IJRAR)	Yes	May-25	2348-1269/2349-5138
82	Prof. H. S. Sheikh	Electrical Engineering	WIRELESS EV Charging Vehicles station with QR code live for charging Status	International Journal of Research (IJRASET)	Yes	May-25	2321-9653
83	Prof. S. S. Rasekar	Electrical Engineering	Performance of Three Level Diode Clamped Multilevel Inverter for Closed Loop v/f co Technology	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Yes	May 2025-	ISSN: 2321-9653; Volume 13 Issue V May 2025

84	Prof. S. S. Rasekar	Electrical Engineering	Performance of Multilevel Inverter Topologies for Closed Loop v/f Controlled Technology	International journal of innovative research in technology	Yes	May-25	Volume 11 Issue 12   ISSN: 2349-6002
85	Prof. S. S. Rasekar	Electrical Engineering	Simulation Based Study of Diode Clamped Multilevel Inverter Using Feedback V/f Strategy	International Research Journal of Engineering and Technology (IRJET)	Yes	May-25	e-ISSN: 2395-0056 p-ISSN: 2395-0072
86	Prof. S. S. Rasekar	Electrical Engineering	EV to EV Charging Sharing System.	International Research Journal of Engineering and Technology (IRJET)	Yes	Apr-25	e-ISSN: 2395-0056 / P-ISSN: 2395-0072
87	Prof. S. S. Rasekar	Electrical Engineering	Electric Vehicle from Two-Wheeled Ic Engine Vehicle Remodel.	International journal of innovative research in technology	Yes	Feb-25	ISSN: 2349-6002
88	Prof. Priti Rana	Civil Engineering	Dynamic Analysis And Lightweight Structureal Design Of An Urban Foot Over Bridge	JETIR Volume 12, Issue 5	YES	20 June 2025	2349-5162
89	Prof. Priti Rana	Civil Engineering	A Review On Dynamic Analysis And Lightweight Structure Design Of An Urban Foot Over Bridge	JETIR Volume 12, Issue 5	YES	08 May 2025	2349-5162
90	Prof. Shilpa Samrutwar	Civil Engineering	Review Paper On Comparison Of Elevated Water Tank With Chevron Bracing For Wind And Seismic Load	IJSREM Vol 5(03), 144-149.	YES	09 March 2025	2582-3930
91	Prof. Shilpa Samrutwar	Civil Engineering	Analysis Of Comparison Of Elevated Water Tank With Chevron Bracing For Wing And Seismic Load	IJRTMR Vol 5(03), 144-149.	YES	May-June 2025	2583-0368
92	Prof.Kirti Padmawar	Civil Engineering	Seismic Analysis Of Circular Building And Rectangular Building	IJRTMR Volume 6, Issue 1	YES	May-June 2025	2583-0368
93	Prof.Kirti Padmawar	Civil Engineering	Comparative Investigation Of Conventional Fram, Chevron Braced Frame And Diagrid Frame With Plan Irregularity	IJRSET Vol. 05, Issue 01	YES	May-June 2025	2319-8753
94	Prof. Neeraj Singh Bais	Civil Engineering	Seismic Evaluation Of An Existing G+4 Residential Structure Added With A Telecommunication Tower Supported With Bracing	IJRAR Volume 12, Issue 2	YES	May-June 2025	2349-5138
95	Prof. Neeraj Singh Bais	Civil Engineering	Analysis Of Existing Structure (G+ 4 Building) Added With Roof Top Telecommunication Tower Suggesting Remedial Measures	IJRAR Volume 12, Issue 1	YES	19 March 2025	2349-5138
96	Prof. Ganesh Mahalle	Civil Engineering	Seismic Analysis Of Double-Decker Elevated Water Tank	IJRAR Volume 6, Issue 1	YES	May-June 2025	2583-0368
97	Prof. Sonali Patil	Civil Engineering	Analysis Of Mutil Cell Box Culvert For Soil Structure Interaction Under Dynamic Loads	JETIR Volume 13   Issue 5	YES	10 May 2025	2349-5162

98	Prof. Sonali Patil	Civil Engineering	Analysis Of Mutil Cell Box Culvert For Soil Structure Interaction Under Dynamic Loads	JETIR Volume 13   Issue 5	YES	17 June 2025	2349-5162
99	Prof. Ashish Manusmare	Electronics & telecommunication Engineering	Review of application of smart image processing and transfer learning for rice disease and nutritional deficiency detection	International Research Journal of Modernization in Engineering Technology and Science	YES	Feb-24	Volume:06/Issue:02
100	Prof. Gayatri Rahangadale	Electronics & telecommunication Engineering	Review of application of smart image processing and transfer learning for rice disease and nutritional deficiency detection	Review of application of smart image processing and transfer learning for rice disease and nutritional deficiency detection	YES	Feb-24	Volume:06/Issue:02
101	Prof. Ashish Manusmare	Electronics & telecommunication Engineering	Research on application of smart image processing and transfer learning for rice disease and nutritional deficiency detection	Research on application of smart image processing and transfer learning for rice disease and nutritional deficiency detection	YES	May-24	Volume 11 Issue 5
102	Prof. Gayatri Rahangadale	Electronics & telecommunication Engineering	Research on application of smart image processing and transfer learning for rice disease and nutritional deficiency detection	Research on application of smart image processing and transfer learning for rice disease and nutritional deficiency detection	YES	May-24	Volume 11 Issue 5
103	Prof. Sunil Kuntawar	Electronics & telecommunication Engineering	Research on smart baby cradle using sensor technology	Research on smart baby cradle using sensor technology	YES	February-24	Volume 5, Issue 1

# Ballarpur Institute of Technology, Ballarpur

## Details of Papers in National/International Conference - Proceeding per Teachers during year 2024-25

Sr No.	Name of the teacher	Name of Department	Title of the proceedings of the conference	Name of the confernce	National/international	Year of publication	ISBN/ISSN number of proceeding	Affiliating Institute at the time of Publication
1	DR.SUDHIR K.PODE	MBA	The study of need assessment in and around chandrapur City in the state of Maharashtra	Transframing business by leveraging talents,innovation and disruptive technologies	National	2024	E-ISBN-978-81-970159-3-9	BIT Ballarpur

# Ballarpur Institute of Technology, Ballarpur

## Details of Patents Granted during Year 2024-2025

Sr.No	Applicant Name	Date of Filing of Application	Publication Date	Application NO.	Title of the Invention	Current Status
1	Mehnaz Sheikh	5-3-2025	21/3/2025	202521019632A	Smart Vision Traffic (SVT):Deep Learning Based Real Traffic Analysis And Monitoring Using Yolov7 And Deepsort	Granted
2	Mehnaz Sheikh	3-9-2024	25/11/2024	429208-001	Machine Learning Based Device For Enhancing Computer Network Safety	Granted
3	Dr. Prashant S. Watkar	18/09/2024	28/11/2024	430891-001	Pesticide-Detecting Device For Food Safety	Granted
4	Dr. Prashant S. Watkar	09-06-2024	27/11/2024	429528-001	Ai Based Device For Food Nutrition Quantity Checking	Granted
5	Ajay M. Durge	18/09/2024	28/11/2024	430891-001	Pesticide-Detecting Device For Food Safety	Granted
6	Ajay M. Durge	09-06-2024	27/11/2024	429528-001	Ai Based Device For Food Nutrition Quantity Checking	Granted
7	Lilesh H. Pustode	18/09/2024	28/11/2024	430891-001	Pesticide-Detecting Device For Food Safety	Granted
8	Lilesh H. Pustode	09-06-2024	27/11/2024	429528-001	Ai Based Device For Food Nutrition Quantity Checking	Granted

9	Divya T. Korde	18/09/2024	28/11/2024	430891-001	Pesticide-Detecting Device For Food Safety	Granted
10	K. M. Deo	09-06-2024	27/11/2024	429528-001	Ai Based Device For Food Nutrition Quantity Checking	Granted
11	Zafar J. Khan	12/10/20217	12-12-2024	201721036290	Permanent Magnet Synchronous Motor Fault Analyser	Granted
12	Dr. Mrunali Vaidya	26/3/2025	4-4-2025	202521028238A	Voice-Driven Code Generation: Revolutionizing Software Development With Artificial Intelligence And Natural Language Processing	Granted
13	Mehnaz Sheikh	26/3/2025	4-4-2025	202521028238A	Voice-Driven Code Generation: Revolutionizing Software Development With Artificial Intelligence And Natural Language Processing	Granted
14	Dr. Rajni Kant	06-02-2025	09-05-2025	202521010106 A	An Automated Soil Water Content And Ph Regulator System	Granted
15	Shailendra G. Bommanwar	06-02-2025	09-05-2025	202521010106 A	An Automated Soil Water Content And Ph Regulator System	Granted