

Research Tab

Publication Tab

Current

Dr.Manisha Agrawal

Dr. Pragya Awadhiya

Should be update

Dr. Pragya Awadhiya

Dr. Pratibha Shrivastava

Order

Dr D.N.Dewangan(To be added)

Dr.Ritesh Kumar Dewangan(To be added)

Dr. Pratibha Shrivastava (Already in site)

Dr.Pragya Awadhiyia (Already in site)

Dr.Gargishankar Verma(Already in site)

Dr. Pallavi khobragade(Already in site)

Mr. Om Prakash Sinha (To be added)

Mr.Mithlesh Kumar (To be added)

Ms.Pratiksha Poddar(To be added)

Ms.Rani Sahu (To be added)

Dr. D.N.Dewangan

Paper Publication in SCI/SCOPUS/UGC Journals

	Title of the Paper	Name of the Journal with ISSN No	Volume & Issue	Authors in order as in Paper	Journal Type
1	Real-Time Fault Diagnostic and Rectification System for Bearing Vibration of Steam Turbine by Using Adaptive Neuro-Fuzzy Inference System and Genetic Algorithm - A Novel Approach	AMSE journal, Advance in modeling, B-Signal processing, and Pattern Recognition ISSN: 1240-4543	Vol.55, no.1, pp 1-21,	First (2012)	Scopus
2	A Study on Parameter Tuning of Weighted Fuzzy Rule-based using Genetic Algorithm for Steam turbine model	AMSE journal ISSN: 1240-4543	Vol.55, No.2, pp 1-19	First (2012)	Scopus
3	Genetically tuned ANFIS based Real-Time Fault Diagnosis and Rectification for Bearing Vibration of steam turbine, Proceeding of Shaastrath	International Conference on 8-9 Feb. 2013 ISBN: 978-81-265-4073-0,	pp 282.	First (2013)	Published in Scopus
4	Rule Weight Base Behavioural Modeling of Steam Turbine Using Genetically Tuned Adaptive Network-Based Fuzzy Inference System	International Journal of Innovative Research in Science, Engineering & Technology (ISSN 2319-8753)	Vol. 3, no.12, pp 18055-18069.	First (2014)	UGC Approved
5	Reliability Investigation of Steam Turbine Used In Thermal Power Plant	International Journal of Innovative Research in Science, Engineering & Technology	Vol. 3, no.7, pp 14915-14923	First (2014)	UGC Approved

		ISSN: 2319-8753			
6	Power System Transient Stability Analysis based on Interval Type-2 Fuzzy Logic Controller and Genetic Algorithms	International Journal of Innovative Science, Engineering & Technology	Vol. 1, no.3, pp 103-120.	First (2014)	UGC Approved
7	IT2FLC based Control Model of steam turbine Governing System of Power Plant	International Journal of Innovative Science, Engineering & Technology	Vol. 1, no. 4, pp 121-140.	First (2014)	UGC Approved
8	Development of Soft Decision Tree Classifier using Interval Type-2 Fuzzy Logic Rule-based Data Mining for Steam Turbine Fault Analysis of a Power System Rotatory Machine Component,	AMSE JOURNALS – 2014-Series: Advances B	Vol. 1, no. 4, pp 121-140.	Third (2014)	UGC Approved
9	Genetically Tuned Dual-ANFIS Model for Steam Turbine Fault Diagnosis and Treatment	International Journal of Innovative Research in Science, Engineering & Technology ISSN 2319-8753.	Vol. 4, no.2, pp 240-251,	First (2015)	UGC Approved
10	Investigation of Flow Stability of Baffled Pipe - A Comprehensive Report	International Journal of Innovative Research in Science, Engineering and Technology DOI:10.15680/IJIRSET.2017.0607032	Vol. 6, no.7, pp 12680-12685	Second (2017)	UGC Approved
11	Computational Investigation of Flow Stability of Baffled Pipe	International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653	Vol. 6, no.1, pp 649-65.	Second (2018)	UGC Approved

12	Review on Application of Nano Fluid on Heat Exchangers	International Journal for Scientific Research & Development, ISSN (online): 2321-0613	Vol. 7, no.7, pp 12-14	Second (2019)	UGC Approved
13	CFD Analysis of Shell and Tube Heat Exchanger using Nano-Fluid	International Journal of Innovative Research in Science, Engineering & Technology ISSN 2320-6710.	Vol. 7, no.7, pp 5266-5274	Second (2020)	UGC Approved
14	Comparative study of Natural Co-agulants in the removal of Turbidity from water: A substitute for Chemicals	GIS Science Journal ISSN: 1869-9391.	Vol. 8, no.11, pp 1344-1357,	Second (2021)	UGC Approved
15	Preparation and Characterization of MoO ₃ as a hole-transporting layer (HTL) in organic Photovoltaic's	Suraj Punj Journal For Multidisciplinary Research,	Vol. 11, no.11, pp 95-104	Second (2021)	UGC Approved
16	To Study the Resemblance of the Flow Characteristics and Performance of De Laval Nozzle	High Technology Letters,	Vol. 27, no.10, pp 323-332.	Second (2021)	UGC Approved
17	Comparative Study of the Performance and Flow Characteristics of Convergent Divergent Nozzle	GIS Science Journal ISSN: 1869-9391.	Vol. 8, no.7, pp 718-728	Second (2021)	UGC Approved
18	A Green approach in the removal of Turbidity from water: Natural Coagulant	Mukt Shabd Journal ISSN: 2347-3150.	Vol. 11, No. 4, pp 221-233	First (2022)	UGC Approved
19	Comparative Study of the Performance and Flow properties of con-di Nozzle	InderScience, (Submission Code- IJDE – 115568)		Third (2022)	UGC Approved

20	Design of an on-line rule tuning grey prediction fuzzy controller for Power System Control	International Journal of Scientific Research in Engineering and Management (IJSREM) ISSN: 2582-3930, DOI: 10.55041/IJSREM 24250.	Vol. 7, No. 7, pp 1-7		UGC Approved
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Dr. Ritesh Kumar Dewangan

Paper Publication in SCI/SCOPUS/UGC Journals

S.N.	Title of the Paper	Name of the Journal with ISSN No	Volume & Issue	Authors in order as in Paper	Journal Type
1	Evaluation of Lubricant Film Thickness for Ball Bearings 6207 & 6307 with Elliptical & Circular Contact Area	0975-4024	Volume 9 No1	1	Scopus
2	Experimental Analysis of Resistive Lubricant Film Thickness with Circular Contact Area.	0975-4024	Volume 9, No 4	1	Scopus
3	Resistive Lubricant Film Thickness for Ball Bearing 6307 using Design of Experiment for Elliptical Contact Area between Ball & Races	0973-4562	Volume 13, Number 16	1	UGC
4	Analysis of Elliptical Contact area of Rolling Element Bearing 6207 using Artificial Neural Network	0974-5645	Vol 10(5)	1	Scopus
5	CFD Analysis of Fluid Film of Liquid Lubricated Cylindrical Journal Bearing	0973-4562	Volume 16, Number 7	2	UGC
6	CFD Analysis of Fluid film liquid lubricated cylindrical journal bearing using ANSYS software	0975-4024	Vol 13 No 4	1	Scopus
7	Minimization of Stress of a Parabolic Leaf Spring by Simulated Annealing	2248-9622	Vol. 2, Issue 4	2	UGC

	Algorithm				
8	Minimization of Stress in a Parabolic Leaf Spring by Local Algorithm for Constant & Priorities	2248-9622	Vol. 2, Issue4	2	UGC
9	Analytical Elastohydrodynamic Lubricant Film Thickness for Ball Bearings 6007,6207, 6307 and 6407 using Hertz Contact Theory	2277-9655	Vol-5(10)	1	Other
10	A Review on Shell & Tube Heat Exchanger Using Various Orientation Angle of Baffle	2277-9655	Vol. 6, Issue 10	2	Other
11	Evaluation of Archard and Kirk's Lubricant Film Thickness for 6007 Ball Bearing	2231-5152	Vol. No. 3, Issue No. IV	1	UGC
12	Study of a Parabolic Leaf Spring by Finite Element Method & Design of Experiments	2249-6645	Vol.2, Issue 4	2	UGC
13	Study of Crane Hook Having Trapezoidal Section by Finite Element Method & Design of Experiments	2249-6645	Vol.2, Issue.4,	2	UGC
14	An overview Application of Six Sigma in Industries	2231-3915	Vol. 2: Issue 2	2	UGC
15	Archard and Kirk's Lubricant Film Thickness for Ball Bearings 6207 and 6307	0975-6469	Volume 5, Number 1	1	UGC
16	Analytical Lubricant Film Thickness For Performance Evaluation Of Ball Bearing 6007, 6207, 6307 & 6407	2231-1963	Vol. 9, Issue 5	1	UGC
17	Experimental Analysis of Electrical Resistivity of Lubricant for Online Condition Monitoring of Rolling Bearing Using Design of Experiment	0976-2973	Vol.-7, Issue-3	1	UGC
18	Evaluation and Comparison of Elliptical & Circular Hertz Contact Area for Bearing 6007, 6207, 6307 & 6407	2319-6890	Volume No.5, Issue No.12	1	UGC
19	Analysis of Shell and Tube Heat Exchanger with Square and Triangular Cross-Sectional Geometry of Tubes: A Review	2455-9024	Volume 2, Issue 1	2	UGC
20	Analytical Comparison of Different Geometrical Shapes of Tubes of Shell & Tube Heat Exchanger	2321-0613	Vol. 5, Issue 10	2	UGC
21	Transient Thermal Analysis of the Disc of Disc Brake	2319-7064	Volume 7 Issue 4	2	UGC

22	Performance Analysis of Shell and Tube Heat Exchanger Having Different Baffle Cut At Various Inclination Angles	2455-4847	Volume 03 - Issue 05	2	UGC
23	A Brief Analysis of Fluid film liquid lubricated cylindrical journal bearing	2250-3021	Vol. 11, Issue 10	2	UGC
24	Comparative Numerical Study Of Natural Convection In Square And Triangular Cavity	2582-3930	Volume: 06 Issue: 11	2	UGC
25	Numerically investigation of Flow and Heat Transfer in differentially heated enclosures	2582-3930	Volume: 06 Issue: 11	2	UGC
26	Thermal Analysis of Vehicle Exhaust System		Volume 21, Issue 5	2	Scopus
27	Fault Diagnosis of Rolling Element Bearing: A Review	ISSN: 1938-5862 E-ISSN: 1938-6737	107 (1)	2	Scopus
28	Rolling element bearing fault diagnosis using machine learning techniques: A review	ISSN: 0094-243X E-ISSN: 1551-7616	2745	2	Scopus
29	An Investigation of Fault Detection Techniques in Rolling Element Bearing	ISSN: 2523-3920 E-ISSN: 2523-3939	11	2	SCIE, Scopus
30	Fault Diagnosis of Rolling Element Bearing with Operationally Developed Defects Using Various Convolutional Neural Networks	ISSN: 1547-7029 E-ISSN: 1864-1245	24	2	ESCI, Scopus
31	An Experimental Study on Eco-Friendly Refrigerants as a Sustainable Alternative to Traditional Refrigerants	ISSN: 2349-5162	Volume -11, Issue - 6	2	UGC Care
32	Exploring Eco-Friendly Refrigerants: A Comprehensive Review	ISSN: 2349-5162	Volume -11, Issue - 6	2	UGC Care
33	Implementing PERT for Capital Repairs of a Blast Furnace: A Comprehensive Approach	ISSN PRINT 2319 1775 Online 2320 7876	Volume 11, Iss 11A	2	UGC-CARE list Group I
34	Thermal Analysis of IC Engine Cylinder Fin Using ANSYS	ISSN: 2349-6002	Volume 11 Issue 4	2	UGC Approved
35	Review on Thermal Analysis of Engine Cylinder Fin	ISSN: 2581-7795	Volume 6 Issue 9	2	Peer Reviewed Journal
36	CFD Simulation of Heat Transfer Enhancement in Twisted Tape Insert Heat Exchangers	ISSN: 2349-6002	Volume 11 Issue 5	2	UGC Approved

37	Thermal Analysis of IC Engine Cylinder Fin: A Comprehensive Review	ISSN-2349-5162	Volume 11, Issue 9	2	UGC
38	Hybrid CNN-LSTM Model for Fault Diagnosis of Rolling Element Bearings with Operational Defects			2	SCIE, Scopus
39	Long short-term memory based fault diagnosis of rolling element bearings using vibration signals		Vol. 0(0) 1–12	2	SCI
40	Comparative Analysis of Machine Learning Techniques for the Fault Diagnosis of Rolling Element Bearing with Wear Defects		Vol. 47, No. 1	2	SCI

Mithlesh Kumar

Paper Publication in SCI/SCOPUS/UGC Journals

	Title of the Paper	Name of the Journal with ISSN No	Volume & Issue	Authors in order as in Paper	Journal Type
1.	Intrusion Detection System: A Systematic Review.	IJARIE- ISSN(O)- 2395-4396	Vol-7, Issue-4, 2021	First	UGC Approved
2.	MLP and RNN Based Intrusion Detection System Using Machine Learning with Stochastic Optimization	IJSR, ISSN: 2319-7064	Vol-10, Issue-12, December 2021	First	UGC Approved

Om Prakash Sinha

Paper Publication in SCI/SCOPUS/UGC Journals

	Title of the Paper	Name of the Journal with ISSN No	Volume & Issue	Authors in order as in Paper	Journal Type
1	VIDEO BASED FACE RECOGNITION APPROACH USING GENETIC APPROACH	INTERNATIONAL JOURNAL OF COMPUTER SCIENCE ISSN: 2348-6600	Volume 10, Issue 1, No 1, 2022	FIRST 2022	INTERNATIONAL
2	GENETIC APPROACH FOR VIDEO BASED FACE RECOGNITION	INTERNATIONAL JOURNAL OF ADVANCE RESEARCH AND INNOVATIVE IDEAS IN EDUCATION ISSN : 2395-4396	Vol-8 Issue-2 2022	FIRST 2022	INTERNATIONAL
3	A Review on Number Plate Dehazing on Rainy Images	International Journal of Advances in Electronics and Computer Science (IJAECs) (ISO:9001:2008 Certified)	Volume-11 Issue- 1	Second (2024)	INTERNATIONAL
4	“Number Plate Character Extraction Using CNN”	International Journal of Soft Computing And Artificial Intelligence (IJSCAI) (ISO:9001:2008 Certified)	Volume-11, Issue- 2	Second (2024)	INTERNATIONAL
5	IDENTIFICATION OF PAPAYA DISEASE USING A DEEP LEARNING APPROACH	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY ISSN : 2349-6002	June 2024 IJIRT Volume 11 Issue 1	Second (2024)	INTERNATIONAL

6	A DEEP LEARNING APPROACH FOR PAPAYA DISEASE IDENTIFICATION	INTERNATIONAL JOURNAL FOR RESEARCH IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY ISSN : 2321-9653	IC Value: 45.98; Volume 12 Issue VI June 2024-	Second (2024)	INTERNATIONAL
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Pratiksha Poddar

Paper Publication in SCI/SCOPUS/UGC Journals

	Title of the Paper	Name of the Journal with ISSN No	Volume & Issue	Authors in order as in Paper	Journal Type
1	Connecting the Physical and Digital Worlds using IoT.	Zenodo	30 September 2024	Second	UGC Approved

Rani Sahu

Paper Publication in SCI/SCOPUS/UGC Journals

	Title of the Paper	Name of the Journal with ISSN No	Volume & Issue	Authors in order as in Paper	Impact	Journal Type
1	Plant Leaf Disease Prediction Using Machine Learning : A Review	IJIRT	Volume – 12 Issue – 2	First		UGC Approved

Patent Publication

Order

Dr D.N.Dewangan(To be added)

Dr.Ritesh Kumar Dewangan(To be added)

Dr.Manisha Agrawal(Already in site)

Dr. Pratibha Shrivastava(To be added)

Dr.Pragya Awadhiya(Already in site)

Dr.Gargishankar Verma(Already in site)

Dr. Pallavi khobragade(Already in site)

Ms.Pratiksha Poddar (To be added)

Ms.Rani Sahu (To be added)

Patent Publications (Dr . D.N.Dewangan)

S. No	Title	Patent No	Status	National/ International	Patent Type
1	Force Analysing Device for Cutting Tool,	356541-001	Published 22.04.2022	National	Design Patent
2	Car Condition Analyzing Device	354228-001	Published 11.02.2022	National	Design Patent
3	Semi-Automatic Sowing Machine,	354227-001	Published 04.02.2022	National	Design Patent
4	Conveyor System Monitoring Device	354232-001	Published 11.02.2022	National	Design Patent
5	Design and Work of Covid Care assisting Robot Equipped with Artificial Intelligent	202221035482	Published 23/0620/23	National	Utility Patent

Patent Publications (Dr. Ritesh Kumar Dewangan)

S. No	Title	Patent No	Status (Publication Date)	National/ International	Patent Type
1	Semi-Automatic Sowing Machine	354227-001	28.01.2022	National	Design
2	Car Condition Analysing Device	354228-001	07.02.2022	National	Design
3	Conveyor System Monitoring Device	354232-001	07.02.2022	National	Design
4	Force Analysis Device on Cutting Tools	356541-001	13.04.2022	National	Design
5	Smart Mobility Tracking Device for Patients	358925-001	25.04.2022	National	Design
6	Railway Station Monitoring Device Powered Using Phase Change Material	365369-001	08.12.2022	National	Design
7	Device to Detect the Power Consumption	376168-001	24.02.2023	National	Design

8	Design and Work of Covid Care Assisting Robot Equipped with Artificial Intelligence	202221035482-A	23.06.2023	National	Utility
9	IoT-Driven Energy Management System for Hybrid Electric Vehicles with Machine Learning Optimization	202441091941	29.11.2024	National	Utility

Patent Publications (Dr.Pratibha Shrivastava)

S. No	Title	Patent No	Status	National/ International	Patent Type
1	A System for forest management with endangered animal tracking and monitoring	202221025502	, Published30/05/22	National	Utility Patent
2	Artificial intelligence equipped system for pet care center with virtual boundary and health monitoring	202321036521	Published,30/08/23	National	Utility
3	Smart taxi Monitoring passenger safety device with real time monitoring of driver performance and touchscreen display.	202321036520	Published 10/11/24	National	Utility
4	Power consumption tracking and Stabilizing device		Filled17/10/2022	National	Design
5	Milk Quality Testing Device	417006-001	Published 18/08/24	National	Design
6	Design and Work Of Covid Care assisting robot Equipped With Artificial Intelligence	202221035482-A	Published 23/08/24	National	Utility
7	A system to create a virtual boundary in a pet caring facility and to monitor their health and safety.		Filled11/11/2022	National	

Patent Publications(Pratiksha Poddar)

S. No	Title	Patent No	Status	National/ International	Patent Type
1	Automated methodology for precise dental plaque detection on primary teeth using advanced imaging and AI Techniques.	202531021581 A	Published, 28/03/2025	National	Utility
2	Robot for underwater operations.	6451451	Published, 23/06/2025	International	UK Design

Rani Sahu

Patent Publications

S. No	Title	Patent No	Status	National/ International	Patent Type
1	Automated methodology for precise dental plaque detection on primary teeth using advanced imaging and AI Techniques.	202531021581 A	Published, 28/03/2025	National	Utility
2	AI Driven Diagnostic System Leveraging Advanced Algorithms For Early and Accurate Cancer Detection	202531043190	Published, 09/05/2025	National	U/S 11A
3	Artificial Intelligence Based Device for Processing and Analyzing Business Information	422302-001	Published, 04/07/2024	National	Utility

Seminar / Conference / Workshop/ Webinar Attended

Dr D.N.Dewangan

Sl	Name of the Conference	ISS NN number	Organized by	Held at (Institute & Place)	Year
1	Improving Science and Technology Education	-	TEQUIP-III.	Chhattisgarh Swami Vivekanand Technical University Bhilai	26 th August 2019
2	Faculty Development Program for Student Induction		TEQIP-III	RCET, Raipur	May 31 to June 7, 2019
3	Planning and Development for Sustainable Construction		TEQIP-III	RCET, Raipur	May 2, 2019
4	Attended the Workshop on MATLAB and SIMULINK		INDIA SOFT Technology (P) Ltd and Cranes Software International Ltd.	RIT, Raipur	Aug 2003
5	A three weeks Faculty Development Program in Entrepreneurship		sponsored by NSTEDB, Department of Science and Technology, Govt of India, New Delhi, and organized by Centre of Entrepreneurship Development Madhya Pradesh (CEDMAP)	Raipur	22 nd Feb to 3 rd March 1999.
6	Twenty-one days of Industrial Training has taken			Bhilai Steel Plant.	May 11, 1992; to May 30, 1992
7	Undergone 15 days of practical training			National Garage Raipur	Oct 15, 1991; to Oct 31, 1991.
8	Fault Diagnosis of Steam Turbine using Soft Computing Methodology		Shaastrarth – 2017, an international conference in	RCET, Bhilai	16-17 Dec 2017

			sciences, Engineering, and Technology		
9	Genetically Tuned ANFIS based Real-Time Fault Diagnosis and Rectification System for Bearing Vibration of Steam Turbine		International Conference on "Shaastrarth-2014"	Rungta Group of College, Bhilai	23 th – 24 th March 2014
10	Reliability Analysis of Steam Turbine used in Thermal Power Plant		the International Conference on "Shaastrarth-2013	Rungta Group of College, Bhilai	on 8 th – 9 th February 2013
11	Solar Photon Conversion: The New Paradigm for Renewable Energy		National Conference on Advanced Materials and Nanotechnology & sponsored by Chhattisgarh Council of Science and Technology (CGCOST), Raipur	RCET, Bhilai	30 th – 31 st March 2008
12	Innovation in Science and Technology toward Industrial Development	IST-ID 2008	The Institute of Engineers (India)	RCET, Bhilai	4-5 January 2008

Dr.Ritesh Dewangan(To be added)

S.N.	Name of the Conference	ISSNNumber	Organizedby	Held at (Institute &Place)	Year
1	Analytical Lubricant Film Thickness for Performance Evaluation of Ball Bearing 6407		International conference Shaastrarth	RCET, Raipur	2013
2	Estimation of Maximum Load Carrying Capacity of a Parabolic Leaf Spring by Design of Experiment		International conference Shaastrarth	RCET, Raipur	2013
3	Analytical Lubricant Film Thickness for Ball Bearings 6007 using Hertz theory		International conference Shaastrarth	RCET, Raipur	2014
4	Optimum Selection of Spring Steel Material in a Parabolic Leaf Spring for a Mini Loader Truck		International conference Shaastrarth	RCET, Raipur	2014

5	Modeling and Analysis of Leaf Spring of Tractor Trolley		International conference Shaastrarth	RCET, Raipur	2014
6	Finite Element Analysis on a Multi Leaf Spring subjected to Gradually Increasing Loads		International conference Shaastrarth	RCET, Raipur	2014
7	Study Of Losses in De-Laval Nozzle		International conference Shaastrarth	RCET, Raipur	2014
8	Fault Diagnosis Method for Deep Groove Ball Bearings 6008, 6208 and 6408 based on “Hertz’s Contact theory” using Engine Oil and Gear Box Oil		International Conference on Recent Advance in Computational Technique (E-ICRACT 2020),	Amity University Mumbai	2020
9	Fault Diagnosis of Rolling Element Bearing: A Review		International Conference on Technologies for Smart Green Connected Societies	Spast Foundation And Associated Partner Institutions	2021
10	Rolling element bearing fault diagnosis using machine learning techniques: A review		International Conference on Applied Mechanics, Machine Learning and Advanced Computation		2022
11	3D printing Technology: Overview and Beyond		International conference Shaastrarth	RCET, Raipur	2022
12	A Refrigeration Model for Storage and Distribution Solution of Covid 19 Vaccines in Rural and Semi-Urban Areas of India		International conference Shaastrarth	RCET, Raipur	2022
13	Health Monitoring Methods in Rolling Element Bearing: A Review		International conference Shaastrarth	RCET, Raipur	2022
14	Study of effect of Spacing Between Absorber plate and Back Plate for Shaped Wire Rib Roughened Insolation Air Heater		International conference Shaastrarth	RCET, Raipur	2022
15	Conditioning Monitoring Of Rolling Element Bearings Using Machine Learning Techniques : A Comparative Analysis		3rd International Conference on Mathematical, Engineering & Management Science (3rd ICMEMS)	NIT Nagpur, MNIT Jaipur, Govt Poly Sakoli	2024
16	Condition Monitoring of Rolling Element Bearings Using Fast Fourier Transform		International conference Shaastrarth	RCET, Bhilai	2024
17	Fault Diagnosis of Rolling Element Bearing Using Convolutional Neural Networks		6th IEEE International Conference on Electrical,	CSVТУ, Bhilai	2024

			Computer and Communication Technologies (ICECCT 2024)		
18	Condition Monitoring of Rolling Element Bearing Using Deep Learning Methods		Research and Industrial Conclave-Integration'24	IIT Guwahati	2024
19	Analysis of Fault Conditions of Rolling Element Bearings using Artificial Neural Networks		National Conference on Condition Monitoring (NCCM 2024)	VNIT Nagpur	2024
20	Vibration Signal Based Analysis of gradually developed wear defects in Rolling Element Bearings		Mechanical Engineering International Conference-Advancements, Innovation and Automation for Sustainability (MEICON 1.0)	O P Jindal University, Raigarh, Chhattisgarh	2024
21	A Review on the Effect of Nanoparticle Concentration on the Viscosity and Thermal Conductivity of Nanofluids		National Conference on Civil and Mechanical Engineering (NCCME-25)	Chennai	2025

WEBINAR/FDP (Dr.Ritesh Kumar Dewangan)

S.N.	Name of Program	Organised By
1	National Intellectual Property Awareness Mission	Intellectual Property Office India
2	How to Write & Publish Your First Academic Research Paper	Dept. of Maths, Kamaraguru College of Technology, Coimbatore
3	Selected Topics in Solid Mechanics	Mech Engg Dept, IIT Bhilai
4	FEA Using ANSYS	Mechanical Engg Dept, NITTTR Chandigarh
5	Effective Library Management In Digital Era	UTD CSVTU, Bhilai
6	Advanced Materials and Manufacturing Systems	Mech. Engg. Deptt, CCET, Bhilai
7	Python and It's Application with Artificial Intellingence	CSE & ET Dept, GEC Raipur
8	Machine Learning for Data Science using Python	CSE Dept, NIT Warangal
9	A Popular Talk on Mathematics	Maths Dept, Chaitanya Bharathi Institute of Technology , Hyderabad
10	Introduction to HVAC & R	Mech Dept, AAA College of Engineering and Technology, Sivakasi & ISHRAE Madurai
11	Functions of Brain and its Relationship with Memory: How to Memorise Things Quickly	Department of Science, Dashmesh Khalsa College, Zirakpur
12	Robotics-Connecting Engineering Minds	IIT Delhi
13	Why A Manuscript is Rejected	Chemical Dept, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
14	Academic Research	SSIPMT, Raipur

Dr.Manisha Agrawal(Already in site)

Dr. Pratibha Shrivastava(To be added)

Conferences/Seminar/Workshop/Webinar Attended

Sl	Name of the Conference	ISSNNum ber	Organizedby	Heldat (Institute &Place)	Year
1	Tools and Techniques of expression and exposition for preparing research paper		RCET, Raipur	RCET, Raipur	14/07/22
2	Recent Trends of Mathematics in Science and Technology	-	Bhilai Institute of Technology	Bhilai Institute of Technology	16- 17March, 2007
3	National Conference on Current Trends in Physics	-	BhilaiMahilaM ahavidyalay	BhilaiMahilaMahavid yalay	25-26 Feb, 2007
4	Work Life Balance and Stress Management	-	RCET, Raipur	RCET, Raipur	29-30 March, 2019
5	Shaastrarth-2014 An International Conference	-	RCET, Raipur	RCET, Raipur	23-24 March, 2014

CONFERENCE				
S.No	Name of Conference	Organized by	Held at Institute Name	Duration
1.	Emerging Technologies & Sustainable Trends in Computer Science & Engineering	TEQIP-III, CSVTU, Bhilai (C.G.)	Columbia Institute of Technology & Eng. Raipur	24-25 January, 2020

Dr.Pragya Awadhiya(Already in site)

WORKSHOP				
S.No	Name of The Workshop	Organized by	Held at Institute Name	Duration
1	Tools & Techniques of Expression & Exposition for Preparing Research paper		RCET, Raipur	1 Day, 2022

Dr.Gargishankar Verma(Already in site)

Dr. Pallavi khobragade(Already in site)

Mr.Mithlesh Kumar (To be added)

WORKSHOP				
S.No	Name of Workshop	Organized by	Held at Institute Name	Duration
1.	Computational Intelligence and Blockchain Technology	NIT, Raipur	NIT, Raipur	4 to 8 Oct-2021
2.	Future trends in Research Methodology for drug discovery and development	CIP, Raipur	CIP, Raipur	5-10 April 2021

Conferences/Seminar/Workshop/Webinar/FDP Attended

FDP				
S.No	Name of The FDP	Organized by	Held at Institute Name	Duration
1.	Python for Data Science	NPTEL-AICTE	NPTEL-AICTE	2 Months (July-August 2024)
2.	GEN AI: Generative Adversarial Networks	Malla Reddy Engineering College	Malla Reddy Engineering College	15-20 July 2024
3.	Data Analytics using Machine Learning	Birla Institute of Technology, Ranchi.	Birla Institute of Technology, Ranchi.	3-7 June 2024
4.	Teaching Learning Process	Columbia Institute of Technology & Eng. Raipur	Columbia Institute of Technology & Eng. Raipur	25 August 2019

Om Prakash Sinha

Conferences/Seminar/Workshop/Webinar Attended

Sl	Name of the Conference	ISSN Number	Organized by	Held at (Institute & Place)	Year
1	"Excellency in AI/ML/DL across Engineering, Academia and Industry"		ARK & Math Works in association with GEC Raipur	CIET Raipur	15 th February 2024.
2	Emerging Technologies & Sustainable Trends in Computer Science & Engineering.		(TEQIP - III, CSVTU Bhilai),	CIET Raipur	2020
3	Innovative & Emerging Trends in Engineering and Technology,			CIET Raipur	2016

Rani Sahu

Conferences/Seminar/Workshop/Webinar Attended

WORKSHOP				
S.No	Name of The Workshop	Organized by	Held at Institute Name	Duration
1.	Power BI Reports & Dashboards with AI	A2Z Edu- ScaleUp	Online	2 days 11-12 th /04/2025
2.	Masterclass on Generative AI in Education	A2Z EDULEARNINGHUB	Online	1 day 03/10/2024

WEBINAR				
Name of The Webinar	Organized by	Held at Institute Name	Duration	
Data Analysis And Visualization with AI & Power BI	A2Z EDULEARNINGHUB	Online	3 days 29,30,31/10/ 2025	
Introduction to cloud Computing with Microsoft Azure	Research and Publication A2Z EDULEARNINGHUB LLP	Online	1 Day 17/09/2024	

FDP

1.	Research Problem Identification & Paper Writing	Research and Publication A2Z EDULEARNINGHUB LLP	Online	3 days 19,20,21/09/ 2025
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Book/ Book Chapter

Order

Dr.Ritesh Kumar Dewangan (To be added)

S.N.	Title of Chapter	Title of Book	Publisher	ISBN
1	Integration Of Industry 4.0 Technologies In Supply Chain Management: Opportunities, Challenges, And Implications	Futuristic Trends in Management	IIP Series	e-ISBN: 978-93-5747-972-1
2	Introduction to Machine Learning Fundamentals	Data Analytics and Artificial Intelligence for Predictive Maintenance in Smart Manufacturing	CRC Press	ISBN 9781032769523
3	Scalability and Deployment of Emerging Technologies in Predictive Maintenance	Data Analytics and Artificial Intelligence for Predictive Maintenance in Smart Manufacturing	CRC Press	ISBN 9781032769523

Dr.Manisha Agrawal (Already in site)

Dr.Gargishankar Verma(Already in site)

Dr. Pallavi khobragade(Already in site)

Ms.Pratiksha Poddar

Book Publications (Pratiksha Poddar)

	Title of the Book	Name of publication	ISBN No	Authors in order as in Book
1	Innovative applications of Machine Learning (A Multidisciplinary Perspective)	A2Z EduLearningHub	978-81-985123-3-8	4 th

