

Faculty Profile

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2. Department: Production & Industrial Engineering
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6. Qualification:

S. No	Degree(UG, PG, PhD)	Specialization	Institute
1	UG	Production Engineering	BIT Mesra, Ranchi
2	PG	Production Technology	BIT Sindri, Dhanbad (VBU Hazaribag)
3	PhD	Production Engineering (Maintenance Management)	BIT Sindri, Dhanbad (VBU Hazaribag)

7. Area of Specialization: Manufacturing Technology, Maintenance Technology, Lean Manufacturing and Industrial Management

8. PhD/ M.Tech. (Guided): 25 M.Tech. Projects

9. Subjects Taught:

- I) UG:
1. Industrial Organization and Management
 2. Manufacturing Process
 3. Welding Technology
 4. Foundry Technology
 5. Manufacturing Automation and Robotics
 6. Project Engineering
 7. Production Planning and Control
 8. Maintenance Technology and Safety Engineering

- II) PG: 1. Project Engineering and Management
 2. Management Information System
 3. Robotics
 4. Operations Management

10. Professional Experience:

I) Teaching Experience:

Sl. No.	Position held	Name of Organization	from	to
1.	Training Assistant (Workshop)	BIT Mesra, Ranchi	5 th July 1999	7 th July 2000
2.	Assistant Professor	BIT Sindri, Dhanbad	14 th July 2000	13 th July 2014
3.	Associate Professor	BIT Sindri, Dhanbad	14 th July 2014	13 th July 2017
4.	Professor	BIT Sindri, Dhanbad	12 th December 2017	Cont.

II) Research Experience:

Sl. No.	Position held	Name of Organization	from	to

III) Industrial Experience:

Sl. No.	Position held	Name of Organization	from	to
1.	Production Engineer	P.K.Press Metals Pvt. Ltd.(A Tata Motors Ancillary) Jamshedpur	July-1996	Feb.1999
2.	Technical Engineer	Tarapore & Co., Jojobera Power Plant (2 x 120 MW unit), Jojobera, Jamshedpur	March 1999	June 1999

11. Publications:

I) International Journal:

Sl. No.	Title of the paper	Name of the journal in which publication has been made	Vol./No.	Publication Year	Pages
1.	Green Accounting and Environmental Index: Benchmarking for Green Court	International Journal for Manufacturing Technology and Research	Vol. 7 Issue 1	Jan-June 2011	01-08
2.	An expert System for Predictive Maintenance of Mining Excavators and Its Various Forms in Open Cast Mining	IEEE Xplore -IEEE Conference Publication Indexed by SCOPUS.	Print ISBN: 978-1-4577-0694-3	2012	658-661
3.	Advanced Functional Maintenance Management for Mining Excavator	International journal of Mechanical Engineering & Technology	Volume 5 Issue 4 ISSN 0976 – 6340 (Print), ISSN 0976 – 6359 (Online)	April 2014	199-205
4.	Sliding Wear Behavior of Al Based Alloys for Equipment and Machineries	International Journal of Science Engineering and Technology	Volume 2 Issue 4 ISSN 2348–4098 (Print)	April-May 2014	40-47
5.	Development of Condition Based Maintenance Architecture for Optimal Maintainability of Mine Excavators	International Organization of Scientific Research- Journal of Mechanical and Civil Engineering	Volume 11 Issue 3 ISSN: 2320-334X (Print), ISSN: 2278-1684 (Online)	May- June 2014	18-22
6.	Flexible Maintenance Methodology for Mining Machinery	International Journal for Manufacturing Technology and Research	Volume 10 Issue 1 ISSN No. 0973-0281	Jan-June 2014	07-15
7.	Implementing Lean and Agile	International Journal for Manufacturing	Volume 10 Issue 1	Jan-June 2014	36-43

	Manufacturing System in the Electric Motor Industry for Sustainable Environment	Technology and Research	ISSN No. 0973-0281		
8.	Expert Maintenance System for Life Cycle Assessment of Heavy Machinery	International Organization of Scientific Research- Journal of Mechanical and Civil Engineering	Volume 11 Issue 4 ISSN: 2320-334X (Print), ISSN: 2278-1684 (Online)	July- Aug 2014	59-64
9.	Utilizing Value Stream Mapping for Scheduled Optimization of Heavy duty Earth-moving Vehicles	International Organization of Scientific Research- Journal of Engineering (IOSR-JEN, UGC Approved Journal)	Volume 4 Issue 9 ISSN: 2278-8719 (Print), ISSN: 2250-3021 (Online)	September 2014	22-31
10.	Ergonomics: Application in Industries	International Organization of Scientific Research- Journal of Mechanical and Civil Engineering	Volume 11 Issue 5 ISSN: 2278-1684 (Online)	Sep-Oct 2014	100-105
11.	Delay Analysis of Projects and Effects of Delays in the Mining/Manufacturing industries	International Organization of Scientific Research- Journal of Mechanical and Civil Engineering	Volume 12 Issue 6 ISSN: 2320-334X (Print), ISSN: 2278-1684 (Online)	Nov- Dec 2015	61-71
12.	Tailoring of Specifications for Random Vibration Testing of Military Airborne Equipment from Measurement	International Journal of Research in Engineering & Technology	Volume 04 Issue 12 ISSN: 2319-1163(Online)	Dec 2015	293-299
13.	Methods for Risk Management of Mining Excavator through FMEA and	The International Journal of Engineering and Science	Volume 5 Issue 6 ISSN: 2319-1805 (Print),	June 2016	57-63

	FMECA		ISSN: 2319-1813 (Online)		
14.	Root Cause Analysis for Lean Maintenance Using Six Sigma Approach	The International Journal of Engineering and Science	Volume 5 Issue 6 ISSN: 2319-1805 (Print), ISSN: 2319-1813 (Online)	June 2016	40-47
15.	Conversion of Sponge Iron from Low Grade Iron Ore and Mill Scale through Simulating Tunnel Kiln Condition	International Organization of Scientific Research- Journal of Mechanical and Civil Engineering	Volume 13 Issue 5 ISSN: 2320-334X (Print), ISSN: 2-1684 (Online)	Sep-Oct 2016	49-54
16.	Optimization of Welding Parameter (MIG Welding) Using Taguchi Method	International Journal of Scientific Research and Education	Volume 4 Issue 11 ISSN (e): 2321-7545 (Online)	Nov 2016	6053-6058
17.	Application of Agile Manufacturing in Small and Medium Scale Industries	International Journal of Science Engineering and Technology	Volume 4 Issue 6 ISSN: 2348-4098 (Online), ISSN 2395-4752 (Print)	Nov-Dec 2016	805-814
18.	Kaizen for Quality and Productivity Improvement in Manufacturing Industry	International Journal of Engineering Sciences and Research Technology	ISSN: 2277-9655	Jan 2017	19-32
19.	Optimization of Heat Treatment Process Parameter Using Taguchi and Fuzzy Logic Approach in Bearing Manufacturing Industry	International Research Journal of Engineering and Technology	Volume 4 Issue 2 ISSN: 2395-0072 (Print)	Feb 2017	1822-1828
20.	Diagnostics Expert System for Mine Hydraulic Excavators	International Journal of Interdisciplinary Research	Volume 3 Issue 1 ISSN: 2394-8361 (Print)	March 2017	11-18

21.	Optimal Maintainability of Hydraulic Excavator through FMEA/FMECA	International Journal of Research in Engineering and Science	Volume 5 Issue 5 ISSN: 2320–9356 (Print)	May 2017	36-45
22.	Improving Material Removal Rate and Optimizing Various Machining Parameters in EDM	The International Journal of Engineering and Science	Volume 6, Issue 6 ISSN: 2319-1805 (Print), ISSN: 2319-1813 (Online)	June 2017	64-68
23.	Study of Casting Defects by Varying Molding Sand Properties and Temperature	International Journal of Engineering Science Invention (IJESI, UGC Approved Journal)	Volume 6, Issue 11 ISSN: 2319-6734 (Online), ISSN: 2319–6726 (Print)	Nov 2017	18-25
24.	Implementation of Poka Yoke in Needle Bearing Assembly Process	International Journal of Engineering Science Invention (IJESI, UGC Approved Journal)	Volume 6, Issue 11 ISSN: 2319-6734 (Online), ISSN: 2319–6726 (Print)	Nov 2017	01-10
25.	Condition Based Maintenance and Machine Diagnostics System for Heavy Duty Earth Moving Machinery	International Journal of Science, Engineering and Technology (IJSET)	Volume 6, Issue 5 ISSN 2348– 4098 (Online), ISSN 2395-4752 (Print)	September -October 2018	227-236
26.	Optimization of the Process Parameters for MIG Welding of Dissimilar Welding Using Taguchi Method	International Journal for Research in Engineering Application & Management (IJREAM, UGC Approved Journal,)	Volume-4, Issue-8 ISSN: 2454-9150	Nov 2018	164-169
27.	Effect of Process Parameters of Weld Joints on Submerged Arc Welding	International Journal for Research in Engineering Application	Volume-4, Issue-8 ISSN: 2454-9150	Nov 2018	188-194

		&Management (IJREAM, UGC Approved Journal)			
28.	Study the Effect of Tool Rotational Speed and Welding Speed on Mechanical Properties of Two Different Welded Aluminum Alloy	International Journal of Science, Engineering and Technology (IJSET)	Volume-6, Issue-6 ISSN 2348– 4098 (Online), ISSN 2395- 4752 (Print)	November - December 2018	256- 268
29.	Implementation of Lean Manufacturing in Discrete Industry	International Organization of Scientific Research- Journal of Engineering (IOSR-JEN, UGC Approved Journal).	Volume 10, Issue 8, Series- I ISSN: 2278- 8719 (Print), ISSN: 2250- 3021 (Online)	August 2020	01-07
30.	Optimization of the Process Parameters in TIG Welding Process Using DoE and Regression Analysis	International Journal for Research in Engineering Application & Management' (IJREAM, UGC Approved Journal),	Volume-06, Issue-07, Oct. 2020, ISSN: 2454- 9150	October 2020	146- 150
31.	A review on developments of deployable membrane-based reflector antennas(Mukesh Chandra, Satish Kumar, Somnath Chattopadhyaya, Sayan Chatterjee, Prakash Kumar	Advances in Space Research Journal	(SCI- https://www.sciencedirect.com/science/article/abs/pii/S0273117721005378?via%3Dihub) DOI: https://doi.org/10.1016/j.asr.2021.06.051 , Impact Factor:2.152	3 rd July, 2021	3749- 3764
32.	Smart Logistics and Efficient Supply Chain for Discrete Industry” in an pp. (Atul Kumar, Prakash Kumar)	International Organization of Scientific Research- Journal of Engineering (IOSR-JEN, UGC Approved Journal).	ISSN: 2278- 8719 (Print), ISSN: 2250- 3021 (Online), Volume 11, Issue 11, Series- I Journal	November 2021	11-17

			Impact Factor: 6.645		
33.	Optimization of MIG Welding Process Parameter for Improving Strength (Kundan Kumar Sharma, Prakash Kumar)	International Organization of Scientific Research- Journal of Engineering (IOSR-JEN, UGC Approved Journal).	ISSN: 2278-8719 (Print), ISSN: 2250-3021 (Online), Volume 11, Issue 12, Series- I Journal Impact Factor: 6.645	December 2021	22-29

II) International Conference:

Sl. No.	Title of the paper	Name of the Conference in which publication has been made	Vol./No.	Publication Year	Pages
1.	Process and Product Optimization in the Production of Gear Manufacturing(Srivastava.R.K,M.K.Sikariwal ,Prakash Kumar)	International Conference on “Multi body Dynamics (ICMBD) ” from 24 th -26 th February 2011 at K.L University Vijaywada, A.P.	ISSN No. 0972-5768	Feb. 2011	415-427
2.	An expert System for predictive maintenance of mining excavators and its various forms in open cast mining (Prakash Kumar,Srivastava.R.K)	“1 st International Conference on Recent Advances in Information Technology RAIT-2012” from March15 th -17 th , 2012 at ISM, Dhanbad.	IEEE Xplore - IEEE Conference Publication, Print ISBN: 978-1-4577-0694-3, doi:10.1109/RAIT.2012.6194607, URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6194607&isnumber=6194433 Indexed by SCOPUS.	2012	658-661

3.	Effect of Cooling Rate and Thermo-mechanical Processing Parameters on the Microstructure and Mechanical Properties of the API X60 Grade Steel (Sunil Kumar, Prakash Kumar, Srivastava.R.K)	International Conference on “Metallurgical and Materials Processes, Products and Applications (ICMMPPA)” from 8 th -10 th January 2014 at O.P. Jindal Institute of Technology, Raigarh (Chhatisgarh).		2014	
4.	Model Based Fuzzy Logic Approach for Optimal Maintenance of Mine Hydraulic Excavators (Prakash Kumar, Anurag Anand)	“International Conference on Evolutions in Manufacturing: Technologies and Business Strategies for Global Competitiveness (ICEM-2016)” from November 12 th -13 th , 2016 at B.I.T. Mesra, Ranchi.	Published by Excel India Publishers, New Delhi, First Impression: November, 2016, ISBN: 978-93-86256-11-9	November, 2016	167-172
5.	Diagnostics Expert System for Mine Hydraulic Excavators (Prakash Kumar, Gaurav Bhaduria)	“International Conference on Research, Skilling and Employability in Mechanical and Automobile Engineering (ICRSEMAE-2017)” from Feb 22 th -23 rd , 2017 at Dr. K.N. Modi University, Rajasthan.	“International Journal of Interdisciplinary Research (IJIR)” Volume 3, Issue 1, ISSN: 2394–8361 (Print)	March 2017	11-18
6.	Process Parameter Optimization in EDM: A Multi-objective Approach using Metaheuristic	International Conference on Advances in Materials and Manufacturing Engineering - 2019 (ICAMME-2019)	Springer Nature Singapore Pte Ltd. 2020, L.Li et al. (eds.), Advances in Materials and Manufacturing Engg., Lecture	March 15 th - 17 th , 2019	

			Notes in Mechanical Engineering, Indexed by SCOPUS. (http://doi.org/10/1007/978-981-15-1307-7_21)		
7.	Estimation of Residual Stress and Deformation of Laser Deposited Tracks of Ni-5Mo-5Al Powder Using Thermo-Mechanical Finite Element Simulation	International Conference on Materials Science and Manufacturing Technology 2019 (ICMSMT 2019)	Published in the IOP Science: Material Science and Engineering (A Conference Proceedings Journal), Indexed in SCOPUS	April 12 th - 13 th , 2019	595-600
8.	Effect of process parameters on geometrical aspects in direct metal laser deposition of Ni5Mo5Al hardface coating	International Conference on Materials Science and Manufacturing Technology 2019 (ICMSMT 2019)	Published in the IOP Science: Material Science and Engineering (A Conference Proceedings Journal), Indexed in SCOPUS	April 12 th - 13 th , 2019	617-621
9.	Experimental Investigation on Effect of Cold and Hot Reciprocating Wire TIG Welding on Carbon Steel	6 th International Conference on Production and Industrial Engineering (CPIE-2019)	(A Conference Proceedings Journal)	June 8 th - 10 th 2019	
10.	Design and Analysis of MFC Based Energy Harvesting Systems	6 th International Conference on Production and Industrial Engineering (CPIE-2019)	(A Conference Proceedings Journal)	June 8 th - 10 th 2019	
11.	IoT Based Maintenance System for Mine Hydraulic Excavators	“International Symposium on 5G and Beyond for Rural Upliftment” Organized by Department of	Conference Proceeding: Published(Aug 2020) by River Publishers Series in Information	Feb 8 th -9 th 2020	243-253

		Electronics Engineering, IIT(ISM) Dhanbad and BIT Sindri under Twinning Activity, TEQIP-III	Science and Technology ISBN: 9788770222181, e-ISBN: 9788770222174		
12.	A Comparative Evaluation of Process Parameter Optimization of Wire Cut Electric Discharge Machining of Ti-6Al-4V Using WASPAS and Metaheuristic Methods	TEQIP III Sponsored 2 nd International Conference (Digital) Research and Innovation in Science, Engineering and Technology (ICRISET-2020)	Organized by BVM Engineering College, Vallabh Vidyanagar, Gujarat	Sep 4 th -5 th 2020	
13.	Deep Learning Model to Predict Pneumonia Disease Based on Observed Patterns in Lung X-rays	4 th International Conference on Electronics, Communication and Aerospace Technology on (ICECA 2020)	Organized by RVS Technical Campus, Coimbatore, Tamil Nadu) IEEE Xplore - ISBN: 978-1-7281-6387-1 IEEE Conference Publication	Nov 5 th -7 th 2020	848-853
14.	Implementation of Networked Technologies and Smart Manufacturing during COVID-19 Pandemic	International Symposium on 7-In-1	CGC, HERNING, DENMARK	June 21 st - 22 nd 2021	
15.	Mechanical and electrochemical properties of friction stir processed magnesium alloy AZ31 for biomedical applications: A pilot study	3rd International Conference on Contemporary Advances in Mechanical Engineering	Published in Material Today Proceedings (A Conference Proceedings Journal), Indexed in ELSEVIER. https://doi.org/10.1016/j.matpr.2021.09.384	Sep 2021	

16.	Analysis and Optimization of Geometry of 3D Printer Part Cooling Fan Duct	2nd International Conference on Functional Material, Manufacturing and Performances	Published in Material Today Proceedings (A Conference Proceedings Journal), Indexed in ELSEVIER. https://doi.org/10.1016/j.matpr.2021.10.444	Oct 2021	
17.	Evolution of Mechanical and Tribological Characteristics of Hot-pressed Self-lubricating CuO/MgO/ZTA Ceramic Composites	2nd International Conference on Functional Material, Manufacturing and Performances	Published in Material Today Proceedings (A Conference Proceedings Journal), Indexed in ELSEVIER. https://doi.org/10.1016/j.matpr.2021.10.507	Oct 2021	

III) National Journal:

Sl. No.	Title of the paper	Name of the journal in which publication has been made	Vol./No.	Publication Year	Pages

IV) National Conference/Seminar/Workshop:

Sl. No.	Title of the paper	Name of the Conference in which publication has been made	Vol./No.	Publication Year	Pages
1.	Role of Lean Manufacturing in Quality Engineering System	National Workshop on "Technological Challenges of 21 st Century-The Road Ahead" at B.I.T. Sindri		Feb. 2008	141-152

2.	Role of Green Accounting in Sustainable Development	National Seminar on “Environmental Issues on Geo Techniques and Mineral Industries” at B.I.T.Sindri		April 2008	362-369
3.	Application of Eco-efficiency Indicators for Process Design in the Large Scale Industries through Lean Approach	World Environment Day Seminar-2009at B.I.T.Sindri		June 2009	47-56
4.	Role of Data Mining in Climatic Change Evaluation	42 nd Engineer’s Day Engineering Solution to Combat Climate Change at B.I.T.Sindri		15 th Sept.2009	
5.	Technology Management: An Integrated Approach for Eco-Friendly Product Remanufacturing	43 rd Engineer’s Day Impending Paradigm Shift in Engineering. Science and Future Challenges at B.I.T.Sindri		15 th Sept.2010	15-22
6.	Positioning Lean and Green for Sustainable Environment	National Conference on” Eco-Friendly Manufacturing for Sustainable Development” at Institute of Engineering &Technology ,GLA University ,Mathura		19 th -21 st November 2010	
7.	Green Accounting and Environmental Index: Benchmarking for Green Court	National Conference on “Eco-Friendly Manufacturing for Sustainable Development” at Institute of Engineering &Technology ,GLA University ,Mathura		19 th -21 st November 2010	
8.	Product and Process Innovation through Change	National Seminar on “Innovation and Creativity for Business	Excel India Publishers, New Delhi,	17 th -18 th February 2011	13-19

	Management	Excellence” at ISM, Dhanbad.	First Impression: 2011, ISBN: 978-93-81361-60-3)		
9.	Future Scenario for Water Conservation in and around B.I.T. Sindri	Workshop on “Water for Cities: Responding to the Urban Challenge” on World Water Day at Kalyan Bhawan, Dhanbad (Organized by IEI, Dhanbad, and CIMFR, Dhanbad)		14 th May 2011	
10.	Developing probabilistic Model for Fire in Industrial and Environmental Practices	All India Seminar on “Advances in Mine Production and Safety” at CIMFR, Dhanbad		26 th -27 th Aug 2011	
11.	Development of Industry institution Interaction through Corporate Social Responsibility	National Seminar on “Academic Institutes- Industries Interaction”		24 th - 25 th September 2011	
12.	An expert System for predictive maintenance of mining equipments used in open cast mining	“National Conference on “Competitive Manufacturing: Strategies and Decision Support System” at GLA University, Mathura.		5 th - 6 th Nov 2011	
13.	Nuclear Power Plant with Condition Based and Reliability Centered Maintenance for Plant Life Management	National Seminar on “Indian Nuclear Power Programme - Challenges and Opportunities (INCO-12)” at B.I.T.Sindri, Dhanbad		14 th -15 th April 2012	
14.	Maintenance Optimization Techniques in Nuclear Power Plant	National Seminar on “Indian Nuclear Power Programme - Challenges and Opportunities (INCO-		14 th -15 th April 2012	

		12)” at B.I.T. Sindri, Dhanbad			
15.	Fire Protection Modeling for Nuclear Power Plant	National Seminar on “Indian Nuclear Power Programme - Challenges and Opportunities (INCO-12)” at B.I.T. Sindri, Dhanbad		14 th -15 th April 2012	
16.	Modern Trends in Nuclear Power generation	National Seminar on “Indian Nuclear Power Programme - Challenges and Opportunities (INCO-12)” at B.I.T. Sindri, Dhanbad		14 th - 15 th April 2012	
17.	Maintenance Strategy Development for a Mine hydraulic Excavator	“27 th National Convention of Production Engineers and National Seminar on Advancement in Manufacturing-Vision 2020” at B.I.T. Mesra, Ranchi.		25 th -26 th May 2012	
18.	Development of Life Cycle Model through Preventive Maintenance and Fault Tree Analysis for Horizontal Boring machine	“27 th National Convention of Production Engineers and National Seminar on Advancement in Manufacturing-Vision 2020” at B.I.T. Mesra, Ranchi.		25 th -26 th May 2012	
19.	Enhancing Social cost Benefit through Innovative Project Management.	National Seminar on “Innovation in Administration and Project Management” at C.I.T. Tatisilwai, Ranchi under TEQIP-II		1 st December 2012	
20.	Product Remanufacturing for Sustainable Environment	National Seminar on “Energy and Environment for Sustainability – EES (2013)” at B.I.T. Sindri, Dhanbad.	Published by Excel India Publishers, New Delhi, First Impression: 2013, ISBN: 978-93-82880-	16 th -17 th March 2013	81-86

			18-9)		
21.	Effect of Environmental Pollution on Water in Urban Areas	National Seminar on “Energy and Environment for Sustainability – EES (2013)” at B.I.T. Sindri, Dhanbad.	Published by Excel India Publishers, New Delhi, First Impression: 2013, ISBN: 978-93-82880-18-9)	16 th -17 th March 2013	87-91
22.	Green Manufacturing for Sustainable Development	National Seminar on “Energy and Environment for Sustainability – EES (2013)” at B.I.T. Sindri, Dhanbad.	Published by Excel India Publishers, New Delhi, First Impression: 2013, ISBN: 978-93-82880-18-9)	16 th -17 th March 2013	95-99
23.	Optimizing Power Plant Efficiencies for Effective Growth in Energy Sector	National Seminar on “Energy and Environment for Sustainability – EES (2013)” at B.I.T. Sindri, Dhanbad.	Published by Excel India Publishers, New Delhi, First Impression: 2013, ISBN: 978-93-82880-18-9)	16 th - 17 th March 2013	195-199
24.	Implementing Lean and Agile Manufacturing System in the Electric Motor Industry for Sustainable	Environment National Symposium on “Cleaner Production: Technologies & Strategies ” at GLA University , Mathura		25 th -26 th October 2013	
25.	Flexible Maintenance Methodology for Mining Machinery	Environment National Symposium on “Cleaner Production: Technologies & Strategies ” at GLA University , Mathura		25 th -26 th October 2013	
26.	Modern	All India Seminar on		7 th -8 th	

	Management Methods for Mining Machinery (Excavator) Maintenance	“Recent Advancement in Manufacturing and its Management (RAMM-14)” at B.I.T. Sindri, Dhanbad		February 2014	
27.	Application of Green Manufacturing for Cleaner Production	All India Seminar on “Recent Advancement in Manufacturing and its Management (RAMM-14)” at B.I.T. Sindri, Dhanbad		7 th -8 th February 2014	
28.	Optimization of Process Parameters for Production of Metal Foam	All India Seminar on “Recent Advancement in Manufacturing and its Management (RAMM-14)” at B.I.T. Sindri, Dhanbad		7 th -8 th February 2014	
29.	Development of Strategy for Lead Time Reduction in an Automobile Company through Lean Technique	All India Seminar on “Recent Advancement in Manufacturing and its Management (RAMM-14)” at B.I.T. Sindri, Dhanbad		7 th -8 th February 2014	
30.	Spare Parts Inventory Management through FSN & VED Analysis in a Manufacturing Industry	All India Seminar on “Recent Advancement in Manufacturing and its Management (RAMM-14)” at B.I.T. Sindri, Dhanbad		7 th - 8 th February 2014	
31.	Development of a Maintenance System with an Integrated Approach for Optimal Maintainability of Mine Excavators	National Conference on “Global Competitiveness through Quick Response Manufacturing- Challenges and Opportunities for Indian Manufacturers (Organized by IPE UP State Centre, Mathura & Research Promotion Cell, GLA University, Mathura) at GLA University, Mathura.		18 th -20 th April 2014	
32.	Application of	National Seminar on	Published by	26 th -27 th	21-27

	System Dynamics for Solid Waste Management	“Environmental Issues: Protection, Conservation and Management (EIPCM)” at B.I.T. Sindri, Dhanbad.	Excel India Publishers, New Delhi, First Impression: Feb. 2016, ISBN: 978-93-85777-28-8)	February 2016	
33.	Metallurgical Wastes and its Effect on Public Health	National Seminar on “Environmental Issues: Protection, Conservation and Management (EIPCM)” at B.I.T. Sindri, Dhanbad.	Published by Excel India Publishers, New Delhi, First Impression: Feb. 2016, ISBN: 978-93-85777-28-8)	26 th - 27 th February 2016	28-33
34.	Kaizen for Quality and Productivity Improvement in Manufacturing Industries	“National Conference on Advances in Science and Technologies” at Government Women’s Polytechnic, Ranchi.		January 7 th - 8 th , 2017	
35.	Implementation of Lean Manufacturing Techniques for Minimization of Wastes in Manufacturing Industry	“32 nd National Convention of Production Engineers(NCPE 2017)and National Seminar on Improving Competitiveness in Manufacturing – “Make in India” to “Made in India” at Engineer Bhawan, Nepal House, Doranda, Ranchi.	Published by Excel India Publishers, New Delhi, First Impression: May 2017, ISBN: 978-93-86256-87-4)	27 th -28 th May 2017	14-22
36.	Advances in Eco-friendly Tools for Environmental Management in Manufacturing Sectors	“32 nd National Convention of Production Engineers(NCPE 2017)and National Seminar on Improving Competitiveness in Manufacturing – “Make in India” to	Published by Excel India Publishers, New Delhi, First Impression: May 2017, ISBN: 978-93-86256-87-4)	27 th -28 th May 2017	23-29

		“Made in India” at Engineer Bhawan, Nepal House, Doranda, Ranchi.			
37.	Maintenance Prediction using Diagnostic Expert Systems for Mine Hydraulic Excavator	“33rd National Convention of Environmental Engineers on Status of Technological Advancement to Meet the Environmental Norms for Indian Mining and Allied Industries” at Directorate General of Mines and Safety (DGMS), Dhanbad.		24th -25th August 2017	158-167
38.	New Generation Robot: A Manufacturing Transformer	“National Seminar on Techno- Nationalistic Interventions for Enhancing Innovativeness” at B.I.T. Sindri, Dhanbad.		11 th December 2017	
39.	Green Supply Chain Management in Indian Automotive Industry: Complexities and Challenges	“National Conference on Science and Technology of Special Steels & Nanomaterials at B.I.T. Sindri, Dhanbad.		17 th -18 th February 2018	
40.	New Generation Robot- Animal Robot to Humanoid	Five Days Workshop on “Manufacturing Automation, Robotics and Factory of Future” (MARFF 2018) under TEQIP-III at B.I.T. Sindri, Dhanbad.		3 rd -7 th October 2018	
41.	Ductility Improvement in Commercially Pure Aluminium by Friction Stir Processing	National Online Conference on Research and Developments in Material Processing, Modelling and Characterization 2020	Organized by Department of Metallurgical and Materials Engineering in association with the Department of	26 th -27 th August 2020	

		Published in Scopus Indexed Journal, Next Generation Materials and Processing Technologies, Page No. 27-39, DOI: 10.1007/978-981-16-0182-8_3, Year 2021 (Part of the Springer Proceedings in Materials Book Series (SPM, Vol. 9).	Production and Industrial Engineering, NIT Jamshedpur, sponsored by TEQIP III.		
42.	Trends and future scopes in application of artificial intelligence in steelmaking: insights from the scientometric and bibliometric analysis	Industry-Academia Conclave on Digital Transformation in Steel Manufacturing at SAIL Burnpur, West Bengal	(Organized by IISCO Steel Plant, SAIL	10 th -11 th December 2021	
43	Failure Prediction using Artificial Intelligence for Heavy Duty Equipment”	Symposium on Failure and Preventive Maintenance of Machineries (FPMM-2022)	(Organized by CSIR-Central Mechanical Engineering Research Institute, Durgapur)	8 th -9 th March 2022	
44	3D Printing of single-walled objects	Symposium on Failure and Preventive Maintenance of Machineries (FPMM-2022)	(Organized by CSIR-Central Mechanical Engineering Research Institute, Durgapur)	8 th -9 th March 2022	
45	Modeling of deposition profile in robotic MIG-based Wire-Arc Additive Manufacturing	Symposium on Failure and Preventive Maintenance of Machineries (FPMM-2022)	(Organized by CSIR-Central Mechanical Engineering Research Institute, Durgapur)	8 th -9 th March 2022	

12. Patents (Filed / Granted)

Sl. No.	Name of the Inventor	Title of the Invention	Application / Patent No. (As applicable)	Year	Status (Filed / Granted)
01.	i) Mr. Aniket Kumar ii) Mr. Kumar Abhineet iii) Prof. D.K.Singh iv) Prof. Prakash Kumar	IoT Based Vicinity Band	202031027168	2020 (26.6.2020)	Filed

13. Present Research Activities:

1. Co-PI in a Project (9.75 Lakh) entitled “Design and Development of a Proof-of-Concept Model of a Doubly Curved Membrane Based Gossamer Space Structures” Under Collaborative Research Scheme, TEQIP-III.

2. Co-PI in a Project (12.63 Lakh) entitled “Development of 3D Printed User-Specific Assistive Devices for Persons with Disabilities in India” Under Collaborative Research Scheme, TEQIP-III.

3. Co-PI in a Project (8.30 Lakh) entitled “Investigation to Fatigue and Vibration Characteristics of Rolling Element Bearing” Under Collaborative Research Scheme, TEQIP-III.

4. Co-PI in a Project (2.90 Lakh) entitled “Optimization Technique for Smooth Supply Chains of Medical Equipment and Essential Medicine during COVID-19 Pandemic” Under TEQIP-III.

14. Conference/ Workshop/Seminar Organized

Sl. No.	Title of Seminar / Conferences / Short – term Courses	Name of Coordinator /Convener	Funding / Sponsoring Agency	Date of Seminar / Conferences / Short – term Courses	No. of Participants
1.	National Conference on Agile Engineering	Convener- Prof. Surendra Kumar Member of organizing committee- Prakash Kumar	IEI (Ranchi)	4 th – 5 th Oct. 1999	60
2.	National Work/shop on	Convener- Prof.	TEQIP	7 th April 2007	50

	Technological excellence through Value Engineering	R.K.Srivastava Member of organizing committee-Prakash Kumar	(BIT Sindri)		
3.	Welding & Fitting / Turning Processes Program (Mechanical Workshop) under Services to Community & Economy, TEQIP	Course Coordinator-Prakash Kumar	TEQIP (BIT Sindri)	25 th May 07 to 28 th June 2007	30
4.	National Workshop on Technological Excellence of 21 st Century-The Road Ahead	Convener-Prof. R.K.Srivastava Joint Organizing Secretary-Prakash Kumar	TEQIP (BIT Sindri)	8 th – 9 th Feb. 2008	40
5.	National Seminar on Indian Nuclear Power Program: Challenges and Opportunities- INCO-12	Convener-Prof. R.K.Srivastava Co-Convener-Prakash Kumar	Dept. of Sc. & Tech. Jharkhand and BARC	14 th – 15 th April 2012	80
6.	National Seminar on Energy and Environment for Sustainability – EES (2013)	Convener-Prof. G. Kumar Member of organizing committee-Prakash Kumar	Dept. of Sc. & Tech., Gov. of Jharkhand, Ranchi. (BIT Sindri)	16 th -17 th March 2013	60
7.	National Seminar on Recent Advancement in Manufacturing and Its Management (RAMM-14)	Convener-Prof. R.K.Srivastava Co-Convener-Prakash Kumar	Dept. of Sc. & Tech., Gov. of Jharkhand and IEI (Dhanbad Local Centre)	7 th – 8 th February 2014	40
8.	Entrepreneurs Meet 2018 of Startup Cell (TEQIP-III)	Convener-Prakash Kumar	TEQIP-III (BIT Sindri)	15 th April 2018	120
9.	Workshop on Manufacturing Automation, Robotics and	Convener-Prakash Kumar	TEQIP-III (BIT Sindri)	3 rd October to 7 th October 2018	50

	Factory of Future				
10.	Workshop on “Recent Advances in Manufacturing”	Convener- Dr. S.C. Roy & Dr. Vijay Pandey Member of Advisory Committee- Prakash Kumar	TEQIP-III (BIT Sindri)	27 th November to 1 st December 2018	50
11.	2 nd Entrepreneurial Conclave 2018, Startup Cell (TEQIP-III)	Convener- Prakash Kumar	TEQIP-III (BIT Sindri)	11 th December2018	100
12.	Workshop on IPR	Convener- Prakash Kumar	TEQIP-III (BIT Sindri)	17 th September 2019	150
13.	3 Days Entrepreneurship Summit 2019	Convener- Prakash Kumar	TEQIP-III (BIT Sindri)	15 th to 17 th November 2019	200
14.	2 Days “International Workshop on Waterjet Processes and Related 4.0 Applications”	Co-Convener- Prakash Kumar	Department of Mechanical Engineering, IIT(ISM), Dhanbad, in collaboration with BIT Sindri (under the aegis of TEQIP-III, Twinning Activity).	7 th to 8 th December 2019	150
15.	“International Workshop on Precision Engineering and Management”	Co-Convener- Prakash Kumar	Department of Mechanical Engineering, IIT(ISM), Dhanbad, in collaboration with BIT Sindri (under the aegis of TEQIP-III, Twinning Activity).	15 th January 2020	100
16.	Webinar on “Quality Concepts” (QC, Kaizen, 5S, SPC & Six Sigma)	Coordinator- Prakash Kumar	Department of Production Engineering,	5 th to 9 th June 2020	70

			BIT Sindri in Collaboration with QCFI, Rourkela Chapter		
17.	“Online Session on Entrepreneurship” by Prof. Rajen Jaswa, Serial Entrepreneur & Adjunct Professor of IIT Bombay	Coordinator-Prakash Kumar	Organized by BIT Sindri and in collaboration with Alumni Association of North America (BITSAANA)	6 th to 24 th June 2020	75
18.	Webinar on “Design Thinking and Industry Focused AI”	Coordinator-Prakash Kumar	Organized by Production Engineering Department and Entrepreneurial Cell, BIT Sindri	11 th August 2020	65
19.	Webinar on “e-Commerce Solutions through Government e-Marketplace (GeM)”	Coordinator-Prakash Kumar	Organized by Production Engineering Department and Entrepreneurial Cell, BIT Sindri	13 th August 2020	55
20.	Webinar on “IoT and Its Application in Process Industries”	Coordinator-Prakash Kumar	Organized by Department of Production Engineering	20 th August 2020	90
21.	Webinar on “Operations and Scheduling Aspect of Flexible Manufacturing System”	Coordinator-Prakash Kumar	Organized by Department of Production Engineering	7 th September 2020	60
22.	Webinar on “Open Die Forging of Metal Matrix Composites: FEM Simulation Analysis”	Coordinator-Prakash Kumar	Organized by Department of Production Engineering	12 th September 2020	60
23.	Webinar on “Social Entrepreneurship” Organized by Entrepreneurial Cell, BIT Sindri in Association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Hyderabad	Coordinator-Prakash Kumar	Organized by Entrepreneurial Cell, BIT Sindri	27 th November 2020	40

24.	National Online Hackathon-2021 “Solution for Cement Industries” Organized by Department of Chemical Engineering, Department of Metallurgical Engineering, BIT Sindri in Association with Institution’s Innovation Council, BIT Sindri and Institute of Projects & Engineering (iPe), Bokaro Chapter	Co-Convener-Prakash Kumar	Organized by Department of Chemical Engineering and Department of Metallurgical Engineering	20 th -21 st March 2021	68 Teams
25.	National online 3 days’ workshop on “Project Management”	Convener-Prakash Kumar	Organized by Production Engineering Department and E-cell, BIT Sindri in collaboration with North America Alumni Chapter	22 nd to 24 th May 2021	150
26.	One Week e-Workshop on “Emerging Technologies and Strategies (EMTS-2021)”	Convener-Prakash Kumar	Organized by Production Engineering Department	5 th to 9 th July 2021	180
27.	Webinar on “Startup Scope in Innovative Supply Chain”	Coordinator-Prakash Kumar	Organized by Startup Cell in association with IIC 3.0, BIT Sindri	8 th July 2021	130+
28.	Webinar on “Electric Vehicles (Automotive Trends in Transformation from ICE Car towards Electrical)”	Coordinator-Prakash Kumar	Organized by Startup Cell in association with IIC 3.0 and Production Engineering Department, BIT Sindri	16 th July 2021	150
29.	e- Workshop on “Industrial Safety and Maintenance (ISM-2021)”	Convener-Prakash Kumar	Organized by Production & Industrial Engineering	4 th to 6 th October 2021	100

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15. Short Term Course (STP/STTP)/FDP Attended

Sl. No.	Title of Symposium/ Workshop/Seminar/ Short – term Courses	Date	Organizing Institute
1.	UGC Refresher Course on Automation in Manufacturing Engineering	28 th Nov. -17 th December 2005	Production Engineering Department, B.I.T. Mesra, Ranchi
2.	Mechatronics Robotics and Industrial Automation under TEQIP	2 nd – 7 th Jan.2006	B.E.S.U. Shibpur, Howrah
3.	Management Development Programme (MDP) on “Train the trainer”	Feb. 26 th to March 01, 2007	XLRI, Jamshedpur
4.	Short Term Course on “Certified – PLC Programmer” under TEQIP	7 th – 12 th April 2008	B.I.T.Sindri
5.	Short Term Course on Introduction to Materials Handling	9 th June- 13 th June 2008	NITTTR, Kolkata
6.	In House Training Programme on Pedagogy under TEQIP	14 th – 19 th Oct. 2008	B.I.T. Sindri
7.	Short Term Course on Mechatronics and Automation	5 th Oct- 9 th Oct 2009	NITTTR, Kolkata
8.	Forth SERC School on Micro Fabrication & Micro Machining Processes	5 th April- 10 th April 2010	Jadavpur University Kolkata
9.	Short Term Course on Exposure on MATLAB	4 th June-15 th June 2012	NITTTR, Kolkata
10.	Short Term Training Program (STTP) of ISTE on Performance Enhancement Skill	23 rd July -3 rd August 2012	B.I.T.Sindri, Dhanbad
11.	Short Term Training Program on Total Quality Management Sponsored by Department of Personnel & Training (DoPT), MHA, Government of India	17 th Dec. -21 st Dec. 2012	Shri Krishna Institute of Public Administration, Ranchi

12.	Short Term Training Program of ISTE on Personality Development	26 th Oct -6 th Nov 2015	B.I.T.Sindri, Dhanbad
13.	Short Term Training Program on Role of Technical Institutions in Implementation of Community Development Program	28 th June -7 th July 2017	Bhaga Polytechnic (B.I.T.Sindri Campus), Dhanbad
14.	Short Term Training Program on Active Learning under TEQIP-III	18 th June- 22 nd June 2018	IIT, Gandhinagar
15.	Faculty Development Program (FDP) on ICT Tools for Teaching, Learning Process & Institutes at BIT, Sindri under TEQIP-III	13 th January- 17 th January 2020	(Organized by Electronics and ICT Academy, NIT Patna)
16.	SWAYAM online certification course on Digital Transformation in Teaching Learning Process	6 th April to 22 nd April 2020	TEQIP Online Certification Course
17.	One Week Online Faculty Development Program on “Research Methodologies Tools and Techniques”	29 th May to 2 nd June 2020	Organized by Internal Quality Assurance Cell & Higher Learning and Research Centre, PCE, Nagpur
18.	One Week Online Faculty Development Program on “Innovations-IPR-Start-Ups”	3 rd June to 9 th June 2020	Organized by JIS College of Engineering, Kalyani, West Bengal (IIC)
19.	Five Days National Webinar on “Startup Virtual Ideation Camp” (TEQIP-III Sponsored)	10 th Aug to 14 th Aug 2020	Organized by Dumka Engineering College in Collaboration with Institutional Innovation Council, MHRD, Govt. of India & National Institute of Technology, Arunachal Pradesh
20.	One Week Online Executive Program on “Research Methods” (TEQIP-III)	18 th Jan to 23 rd Jan 2021	Organized by IIM Bodh Gaya
21.	Attended One Week Online Executive	1 st Feb to	Organized by IIM

	Program on “Mindful Leadership” (TEQIP-III)	5 th Feb 2021	Bodh Gaya
22.	Attended One Week Faculty Development Program on “Mechanical Engineering-Emerging Technologies” (MEET-2021)”	24 th to 29 th May 2021	Organized by Mechanical Engineering Department, BIT Sindri in collaboration with TEQIP-III
23.	Attended 10 days Ansys Technical Webinar (Ansys Mechanical & CFD Training)	1 st June to 10 th June 2021	Conducted by ARK Infosolutions Pvt. Ltd.
24.	Attended One Week Faculty Development Program on “Advances in Manufacturing” (AIM-2021)”	15 th to 19 th June 2021	Organized by Mechanical Engineering Department, BIT Sindri in collaboration with TEQIP-III
25.	Attended One Week e-Workshop on “Emerging Technologies and Strategies (EMTS-2021)”	5 th to 9 th July 2021	Organized by Production Engineering Department

16.Symposium/ Workshop/Seminar/ Attended

1.	National Conference on Agile Engineering	4 th – 5 th Oct.1999	B.I.T. Mesra, Ranchi
2.	Workshop on Blue Print for Success	29 th -31 st August’2006	NPFU & Sc. &Tech., Govt. of Jharkhand, Ranchi
3.	National Workshop on Technological Excellence through Value Engineering Under TEQIP	7 th April2007	B.I.T.Sindri, Dhanbad
4.	National Workshop on Industry –Institute Interaction	13 th – 14 th July 2007	B.I.T.Sindri, Dhanbad
5.	All India Seminar on Eco- Friendly Manufacturing	22 nd – 23 rd Sept.2007	B.I.T. Mesra, Ranchi

6.	Training program on Intellectual Property Rights (IPR) under TEQIP	13 th – 14 th Sept. 2008	B.I.T. Sindri
7.	National Workshop on ‘e-Granthalaya (NIC, Delhi) for Automation and Networking of Libraries	22 nd -24 th Feb.2011	BITT, Getlatu, Ranchi
8.	National Workshop on Intellectual Property Rights (IPR)	26 th October 2013	B.I.T.Sindri, Dhanbad
9.	Seminar on World Water Day 2014: Water & Energy	22 nd March 2014	Jointly organized by BIT Sindri and Institution of Engineers, Dhanbad Local Centreat B.I.T.Sindri, Dhanbad
10.	Workshop on Start-Up Orientation under TEQIP III	16 th -17 th January 2018	Jointly organized by AICTE and NPIU at B.I.T. Mesra, Ranchi
11.	Workshop on Outcome Based Education and Accreditation under TEQIP, Phase-III	16 th -17 th March 2018	Jointly organized by BIT Sindri and NPIU at B.I.T. Sindri, Dhanbad
12.	Workshop on Start-up India Programme under TEQIP-III	29 th -30 th September 2018	Jointly organized by IIT (ISM) Dhanbad and BIT Sindri, Dhanbad at IIT (ISM) Dhanbad
13.	Orientation Programme on National Intellectual Property Rights (IPR) Policy (Three days Workshop)	29 th – 31 st July 2019	Organized by Gujarat Council on Science and Technology (GUJCOST), Gandhinagar & Supported by Dept. Of Sc. & Tech. , Govt. Of India.
14.	Participated in one day workshop on “Water Scenario of Dhanbad District: Emerging Challenges”	22 nd July 2019	(Organized by Dept. of Geology & Civil Engineering, BIT Sindri) under TEQIP III.

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17. Administrative Position (Working):

Sl. No.	Position (Working)	From (date/month/year)
1.	Prof. in –charge, Production Engineering Society	Oct. 2006 - cont.
2.	Prof. in- charge, FMS Laboratory	July 2007 - cont.
3.	Member of the Academic Council of Government Tool Room & Training Centre (GTRTC), Dumka	Aug. 2011 - cont.
4.	Head of the Department, Production Engineering	July 2016 - cont.
5.	Member of Anti Ragging Committee (BIT Sindri)	July 2016 - cont.
6.	MBA Coordinator	January 2017 - cont.
7.	Member Horticulture (Landscaping, Gardening)	May 2017 - cont.
8.	Coordinator, Start-up, B.I.T. Sindri	December 2017 - cont.
9.	Prof. in Charge, New Guest House	September 2018 - cont.
10.	Working as a Prof. in Charge, Incubation Centre, BIT Sindri	October 2018
11.	Nodal Officer, Atal Ranking of Institutions on Innovation Achievements (ARIIA)	November 2018- cont.
12.	Member of Grievances Cell for Gazetted and Non-Gazetted Employee	Feb 2019 cont.
13.	Working as a Convener, Steering Committee for GATE Classes	June 2019 cont.
14.	Working as a Member Secretary in Collaborative Research Scheme (CRS) under TEQIP	July 2019 cont.

15.	Working as a Member Secretary in Audit Observation Committee	July 2019 cont.
16.	Working as a Prof. in Charge, Innovation Cell, BIT Sindri	August 2019 cont.
17.	Working as a Nodal Officer, IP Cell, BIT Sindri	August 2019 cont.
18.	Working as an Expert Representative for Centre of Innovation, Incubation & Entrepreneurship (CIIE) of IIT(ISM) Dhanbad for Institution's Innovation Council (IIC 2.0 & IIC 3.0 for 2019-20& 2020-21)	August 2019 cont.
19.	Working as a President, Institution's Innovation Council (IIC 4.0)	October 2021 cont.
20.	Working as a nominated member for National Innovation and Startup Policy (NISP)	June 2020 cont.
21.	Working as a Store officer, BIT Sindri	June 2021
22.	Working as a Member, Small Industries Research, Training and Development Organization (SIRTDO), Sindri	August 2021
23.	Working as a Hostel Superintendent of Hostel No.1,2,& 3	October 2021
24.	Working as a Dean, Alumni Affairs	Feb 2022

18. Administrative Position (Held):

1.	Prof. in- Charge, Metrology Laboratory	Sep. 2000 - Dec 2017
2.	Coordinator of Services to Community and Economy, TEQIP	Aug. 2005 – Marc. 2009
3.	Assistant Prof. in- Charge, Central Library, B.I.T. Sindri	Sep. 2006 - June 2013
4.	Hostel Superintendent of Hostel No. 8 & Hostel No.22, B.I.T. Sindri	Jan 2007 - Sept.2012
5.	Prof. in- Charge, Deshpande Auditorium, B.I.T. Sindri	Apr. 2007 - June 2013
6.	Assistant Prof. in-Charge, Data Centre, B.I.T. Sindri	Oct.2007 - June

		2013
7.	Joint Secretary, ALUMNI Association, BIT Sindri	Nov.2010 - Nov.2012
8.	Head of the Department, Production Engineering	March 2013 - June 2013
9.	Administrative Officer, B.I.T. Sindri	July 2013 - Jan 2017
10.	Comparer, University Examination	April 2015 - Mar 2018
11.	Hostel Superintendent (Hostel No. 18)	December 2015 - April 2018
12.	Coding Officer, University Examination	May 2016- July 2017
13.	PG Coordinator (Production Technology and Management)	August 2016 – March 2019
14.	Convener, Institution's Innovation Council (IIC)	October 2018- September 2019
15.	President, Institution's Innovation Council (IIC 2.0 and IIC 3.0)	October 2019- September 2021
16.	Member of Housing Committee (for non-gazetted employee)	17 th Feb 2018 to 13 th December 2020
17.	Worked as an Administrative officer, BIT Sindri	December 2020 to May 2021

19. Award / Recognition Bestowed on Faculty (State / National / International)

A) Appreciation Certificate by BIT Sindri for perseverance and dedication as Head of the Department to accomplish the goal of NBA accreditation of Production Engineering program for academic years 2021-22 to 2022-23.

B) Appreciation Certificate by BIT Sindri for determination and commitment as a Prof. in-Charge, Entrepreneurial Cell to accomplish the goal in getting the Rank (6-25) in Band A Institutions (Govt, Govt. aided Institutions) in Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2020.

C) Contribution towards Entrepreneurial Cell:

- Formation of Startup Cell
- Establishment of Incubation Centre
- Four Startups of our E-Cell have got selected from SEB and got grant (between 15-23 lakh) from ABVIL, Ranchi
- Grant of Rs. 50 Lakhs from ABVIL, Ranchi to our Incubation Centre

20. Members of Professional Bodies:

1. Associate Member - Institution of Engineers (India). (Aug.2009)
2. Member of the Academic Council of Government Tool Room & Training Centre (GTRTC), Dumka. (Aug. 2011)
3. Life Member - Indian Society for Technical Education (I.S.T.E.). (July 2012)
4. Executive Member (Production Engineering Division, Dhanbad local centre) of Institution of Engineers (India). (Oct.2014-Sep 2016)
5. Executive Member (Production Engineering Division, Dhanbad local centre) of Institution of Engineers (India). (Nov.2018)