

Faculty Profile

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6. Qualification:

S. No	Degree(UG, PG, PhD)	Specialization	Institute
1.	PhD	Mechanical Engineering	IIT(ISM), Dhanbad
2.	M. Tech	Manufacturing Engineering	NIFFT, Ranchi
3.	B. Sc. Engg.	Mechanical Engineering	B.I.T. Sindri

7. Area of Specialization: Manufacturing Engineering, carbon nanotubes, nano-composites

8. PhD (Guided): None

9. Subjects Taught:

I) UG: - Manufacturing Process-I, Manufacturing Process-II, Mechanics of Solids-I, Mechanics of solids-II, Fluid Machine

II) PG: - Fracture Mechanics, Advanced Mechanics of Solids, Advanced Stress analysis

10. Professional Experience:

I) Teaching Experience:

Sl. No.	Position held	Name of Organization	from	to
1	Assistant Professor	B.I.T Sindri	11/09/2006	Till date
2	Lecturer	MACET, Patna	13/04/2003	01/09/2006

II) Research Experience:

Sl. No.	Position held	Name of Organization	from	to
1	Graduate Apprentice	LPSC/ISRO	12/04/1999	11/04/2000

III) Industrial Experience: NA

Sl. No.	Position held	Name of Organization	from	to

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.	Ultrasonic behavior of plastically deform and heat treated Steel.	Trans. Indian Inst. Metal. (Springer)	Vol.61 No.2	2008	217-220
2.	Experimental and numerical analysis of different aerodynamic properties of circular cylinder	International Research Journal of Engineering and Technology	Vol. 3	2016	1112-1117
3.	Experimental and finite element analysis of flexural strength of glass fiber reinforced polymer composite laminate	Journal of Material science and mechanical engineering (JMSME)	Vol. 3	2016	50-53
4.	Bulk synthesis of multi-walled carbon nanotubes by AC arc discharge method	Proceedings of Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems	Vol. 231	2017	141-151
5.	Effect of using carbon nanotubes on ILSS of glass fiber reinforced polymer laminates	Transaction of Indian Institute of Metals (Springer)	Vol. 71	2018	3029-3036

6.	Experimental and numerical analysis of flexural test of unfilled glass fiber reinforced polymer composite laminate	Materials Today: Proceedings	Vol. 5	2018	184-192
7.	Study about characterization of CNTs through electron microscopy and Raman spectroscopy	IOP Conference Series: Materials Science and Engineering	Vol. 377	2018	1-6
8.	Enhancement of flexural strength of glass fiber reinforced polymer laminates using multiwall carbon nanotubes	Polymer Engineering and Science	Vol.59	2019	E248-E261
9.	Failure analysis of rear axle shaft of a heavy vehicle	Materials Today: Proceedings	Vol.38	2021	2235-2240

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.	Synthesis of CNTs by arcing process without catalyst	International conference on processing and fabrication of advance materials XXIII, IIT Roorkee	Vol. 27	2015	274-278
2.	Effect of heat treatment on steel welds	International conference on advances and soft computing applications in Design and Manufacturing		2018	293-301
3.	Improvement in Tribological wear behavior by addition of 0.2% Sc in Al-Mg-Sc alloys	International conference on advances and soft computing applications in Design and Manufacturing		2018	307-313

III) National Journal:

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

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

12. Patents (Filed / Granted)

S. No.	Name of the Inventor	Title of the Invention	Application / Patent No. (As applicable)	Year	Status (Filed / Granted)

13. Conference/ Workshop/Seminar/ Organized

Sl. No.	Title of Seminar / Conferences / Short – term Courses	Name of Coordinator	Funding / Sponsoring Agency	Date of Seminar / Conferences / Short – term Courses	No. of Participants
1.					

14. Symposium/ Workshop/Seminar/ Attended

Sl. No.	Title of Symposium/ Workshop/Seminar/ Short – term Courses	Date	Organizing Institute
1.	Developing Personal & professional effectiveness	16 th - 24 th Dec, 2006	XLRI, Jamshedpur
2.	Modern Experimental Techniques in Mechanics of Fluids & Solids	07 th - 11 th May 2007	IIT, Kanpur
3.	National Workshop on industry Institute Interaction	13 th -14 th July 2007	B. I.T. Sindri
4.	Pedagogy	14 th - 19 th Oct 2008	B.I.T.Sindri
5.	Pedagogical Training in Engineering Education	9 th -21 st Feb 2009	ESCI, Hyderabad
6.	Mechanics of Fracture	19 th -24 th March 2010	IIT, Kanpur
7.	Improving teaching competency for 21 st century learners	19 th - 30 th Dec 2011	NITTTR, Kolkata

8.	National Seminar on Indian Nuclear Power Programme: Challenges and Opportunities	April' 14-15, 2012	B. I.T. Sindri
9.	National Seminar on Energy and environment for sustainability	16 th -17 th March, 2013	B. I.T. Sindri
10.	National workshop on Intellectual property rights	Oct'26, 2013	B. I.T. Sindri
11.	Composite Materials: Research and Development	21 st -25 th September 2015	I.S.M. Dhanbad
12.	Personality Development	26 th Oct - 6 th Nov, 2015	B.I.T. Sindri
13.	ICT Skills for Teachers	19 th -24 th June 2017	B.I.T. Sindri
14.	Workshop on Recent advances in Manufacturing (RAIM-2018)	27 th Nov - 01 st Dec, 2018	B. I.T. Sindri
15.	Digital Transformation in Teaching Learning Process	6 th -22 nd April 2020	SCMS School of Engineering and Technology, Ernakulam, Kerala (India)
16.	FDP for Engineering College on Virtual Labs	29 th June 2020	B. I. T. Sindri and NIT Surathkal, Karnataka
17.	FDP on Free Open Source Tools for Education and Research	7 th July 2020	B. I. T. Sindri and IIT, Bombay
18.	FDP on Recent advances in heat transfer and its applications	13 th -17 th July 2020	B. M. S. College of Engineering, Bengaluru, Karnataka
19.	FDP on MATLAB for Mechanical Engineers	20 th -24 th July 2020	B. M. S. College of Engineering, Bengaluru, Karnataka
20.	STTP on Recent advances in Materials and	3 rd -8 th August	Gayatri Vidya Parisad

	Manufacturing: Part 1	2020	College of Engineering, Madhurawada. Visakhapatnam
21.	STTP on Nanotechnology and Functional Materials (Phase-II)	17 th – 22 nd August 2020	S V College of Engineering, Tirupati
22.	Essentials for NX Designers	11 th -17 th June 2020	B.I.T. Sindri
23.	FDP on FRP Composites	18 th – 22 nd January 2021	L D College of Engineering, Ahmedabad
24.	FDP on 3D Printing & Design	15 th – 19 th February 2021	VNRVJIET, Hyderabad

15. Administrative Position Held:

S. No.	Position Held	From (date/month/year)

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

1. Got 2nd prize in International conference held at IIT Kanpur on METALLO 2007 during 7th to 10th December, 2007.
2. Got best paper award in Ist International conference on Mechanical, Materials and Renewable energy (ICMMRE), 2017 held at Sikkim Manipal Institute of Technology, Majitar, Sikkim.
3. “Quarterly Franklin Membership”, Membership ID # ND43778; Given by Editorial Board of London Journal Press (2018)

17. Members of Professional Bodies:

1. Associate member of the Institute of Engineers (India)
2. Life member of Indian Society for Technical Education