

Faculty Profile

1. Name: **PANKAJ KUMAR**

2. Department: Mechanical Engineering

3. Email id: deoghar100@gmail.com

4. Phone Number: +91 9334774797

5. Office Address: Assistant professor, Mechanical Engineering Department, B.I.T. Sindri, Dhanbad-828123.



6. Qualification:

S. No	Degree	Specialization	Institute
1	Phd	Mechanical Engineering	B.I.T. Sindri
2	M.Tech.	Heat-Power (Mech. Engg.)	B.I.T. Sindri
3	B.Sc.(Engg.)	Mechanical Engineering	B.I.T. Sindri
4	I.Sc.	PCM	Science College, Patna
5	Matric	-----	R.Mitra High School, Deoghar

7. Area of Specialization: Thermal Engineering

8. PhD (Guided): N/A

9. Subjects Taught:

I) UG:- Engg. Thermodynamics, Applied Thermodynamics, Workshop Technology, Engg. Drawing & Graphics.

II) PG:- Advance Air-conditioning.

10. Professional Experience:

I) Teaching Experience:

Sl. No.	Position held	Name of Organization	from	to
01	Assistant professor	B.I.T. sindri	07.09.2006	Till date

II) Research Experience : No Any

Sl. No.	Position held	Name of Organization	from	to

III) Industrial Experience : No Any

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
01.	Waste Heat Recovery: A Review Of Vapour Compression Refrigeration System	<i>Carbon – Science and Technology</i>	Vol - 10, Issue - 02	2018	39-46
02.	Experimental Investigation Of Waste Heat Utilization Of Vapour Compression Refrigeration System	International Journal for Research in Engineering Application & Management (IJREAM)	Vol -04, Issue - 06	Sep 2018	277-281
03.	A Study on Analysis & Fabrication of an Ice Plant Model	International Journal of Advance Research in Science and Engineering	Vol - 6, Issue - 11	Nov, 2017	1291-1297
04.	Experimental Analysis Of Heat Exchanger Of Different Material With And Without Fins	International Journal of Advance Research in Science and Engineering	Vol - 6, Issue - 08	August, 2017	1511-1518
05.	Estimation And Correlation Developed For Total Base Number (Tbn) Of Lubricating Oil Using Fourier Transform Infrared Spectroscopy	International journal of engineering sciences & management	Vol - 7, Issue - 01	April -June 2017	22-30

06.	Estimation And Correlation Developed For Viscosity Of Lubricating Oil Using Fourier Transform Infrared Spectroscopy	International Journal of Science and Research (IJSR)	Vol - 6 Issue - 4	April 2017	784- 789
07.	Technological Enhancement As A Part Of Human Resource	International journal of engineering sciences & research technology	Vol - 5, Issue-10	Octo- ber, 2016	127- 130
08.	Weight Loss Due To Abrasion In Aluminium Alloy As An Effect Of Load Increment	International journal of engineering sciences & research technology	Vol - 5, Issue-10	Octo- ber, 2016	124- 126
09.	Energy: The Sustaining Need Of Indian Steel Industries And Its Management	International Journal of Engineering and Management Research	Vol - 6, Issue - 5	Sept- Oct 2016	208- 210
10.	Experimental Study Of Thermal Performance Of Flat-Plate Solar Air Heater Having Roughened (Rhombus Shape) Absorber Plate	International journal of engineering sciences & research technology	Vol - 5, Issue - 09	Sept, 2016	463- 470
11.	Experimental Study Of Collector Heat Removal Factor And Collector Efficiency Factor Of Flat-Plate Solar Air Heater Having Roughened (Rhombus Shape) Absorber Plate	International Journal of Technical Research and Applications	Vol - 4, Issue - 4	July- Aug, 2016	170- 174
12.	Experimental Study Of Effect Of Friction Factor On Flat-Plate Solar Air Heater Having Roughened (Rhombus Shape) Absorber Plate	International Journal of Engineering and Management Research	Vol - 6, Issue - 4	July- Augu- st 2016	230- 238
13.	Experimental Study Of Effect Of Different Size Of Roughened Elements (Rhombus Shape) On Thermal Performance Of Roughened Flat-Plate Solar Air Heater	International Journal of Engineering and Management Research	Vol - 6, Issue - 5	Sept- Oct 2016	5-12
14.	Experimental Study Of Effect Of Reynolds Number And Nusselt Number On The Performance Of Flat-Plate Solar Air Heater Having Artificial Roughened (Rhombus Shape) Absorber Plates	International Journal of Engineering Research & Science (IJOER)	Vol - 2, Issue - 5	May- 2016	272- 277
15.	Experimental Analysis Of Renewable Energy As Solar Air Heater With Artificial Roughness	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	Vol. - 4, Issue - 1	Feb 2014	125- 134

II) International Conference :

Sl. No.	Title of the paper	Name of the Conference in which publication has been made	Vol/No .	Publication Year	Pages
01.	Experimental Analysis Of Heat Exchanger Of Different Material With And Without Fins	International Journal of Advance Research in Science and Engineering	Vol - 6, Issue-08	August, 2017	1511-1518

III) National Journal : No Any

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

IV) National Conference : No Any

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) : No Any

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

13. Conference/ Workshop/Seminar/ Organized : No Any

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

14. Short term/ Symposium/ Workshop/Seminar/ Attended

Sl. No.	Training Name	Name of Institute	Period	Duration
01.	Recent advancement in Manufacturing	BIT Sindri, Dhanbad	27.11.2018 to 01.12.2018	One (01) Week
02.	Developing Personal & Professional Effectiveness	XLRI Jamshedpur	16/12/2006 To 24/12/2006	Two (02) Weeks
03.	Flow and Process Simulation in Process Industries	BIT Sindri, Dhanbad	29.10.2018 To 02.11.2018	One (01) Week
04.	Active Learning	IIT Gandhinagar	18.06.2018 To 22.06.2018	One (01) Week
05.	Role of Technical Institutions in Implementation of Community Development Programme	NITTTR, Kolkata	28.06.2017 To 07.07.2017	Two (02) Weeks
06.	ICT Skills for Teachers	Electronics & ICT Academy, NIT Patna	19.06.2017 To 24.06.2017	One (01) Week
07.	Development of Mechanical Engineering Laboratory Experiments	NITTTR, Kolkata	05.06.2017 To 09.06.2017	One (01) Week
08.	Personality Development Programme	BIT Sindri	26/10/2015 To 06/11/2015	Two (02) Weeks
09.	Theory and Practice – Lathe & Milling Machine	NITTTR, Kolkata	08/06/2015 To 12/06/2015	One (01) Week
10.	Performance Enhancement Skills	BIT Sindri	23/07/2012 To 03/08/2012	Two (02) Weeks
11.	Modelling and Simulation of Renewable Energy System	NIT, Jamshedpur	18/06/2012 To 22/06/12	One (01) Week
12.	MATLAB for Mechanical Engineering	NITTTR, Kolkata	28/05/2012 To 01/06/2012	One (01) Week
13.	Mission 10X Workshop	BIT, Mesra, Ranchi	22/11/2010 To 26/11/2010	One (01) Week

14.	Harnessing Renewable Energy : State-of-the-art	NIT Patna	16/06/2008 To 29/06/2008	Two (02) Weeks
15.	Introduction To Material Handling	NITTTR, Kolkata	09/06/2008 To 13/06/2008	One (01) Week
16.	Understanding metallurgy of Steel For Its effective Utilization	BIT Sindri, Dhanbad	Oct 27 th - 28 th , 2018	Two (02) days
17.	Workshop on Intellectual Property Rights	Indian School of Mines, Dhanbad	February 14 th 2014	One (01) day
18.	All India Seminar on Recent Advancement in Manufacturing and Its Management (RAMM-14)	BIT Sindri, Dhanbad & Institution of Engineers(India)	February 07-08, 2014	Two (02) days
19.	Energy and Environment for Sustainability (EES 2013)	BIT Sindri, Dhanbad	March 16- 17, 2013	Two (02) days
20.	National Seminar on Indian Nuclear Power programme: Challenge and Opportunities (INCO-12)	BIT Sindri, Dhanbad & BARC	April 14-15, 2012	Two (02) days
21.	National Seminar on Environmental issue on Geotechnics & Mineral Industries(eIgMI 2008)	BIT Sindri, Dhanbad	April 04-05, 2008	Two (02) days
22.	National Workshop on Industry Institute Interaction (NWIII 2007)	BIT Sindri, Dhanbad	July 13-14, 2007	Two (02) days

15. Administrative Position Held : No Any

S. No.	Position Held	From (date/month/year)
01.	Hostel Superintendent	2012
02.	Prof-In-Charge, Deshpandey Auditorium	2015
03.	PG Co-ordinator, Mech Engg. Dept.	2016
04.	Assistant Workshop Superintendent	2018

16. Award / Recognition Bestowed on Faculty (State / National / International) : No Any

17. Members of Professional Bodies:

(a) The Institution of Engineers, Associate Member AM097616-7

(b) Indian Society for Technical Education, Life membership LM 82595