

CURRICULUM VITAE

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1. Academic qualification

Degree	Specialization	Institution	% of marks	Year
Ph.D	Mineral Engineering	IIT(ISM) Dhanbad	...	2015
M.Tech	Mineral Engineering	IIT(ISM) Dhanbad	77.2	2006
BSc. Engineering	Chemical Engineering	BIT Sindri, Dhanbad	76.47	2004
Intermediate	Science (PCM)	BIEC Patna	58.67	1996
Matriculation (10 th)	General	BSEB Patna	73.78	1994

2. Employment Experience

S No.	Position	Organization	Nature of Job	Period
1.	Associate Professor	IIT(ISM) Dhanbad	Teaching, Research, Consultancy, Head of the Department.	01.05.2022 to Present
2.	Assistant Professor	IIT(ISM) Dhanbad	Teaching, Research, Consultancy	01.08.2012 to 30.04.2022
3.	Manager	McNally Bharat Engineering Co. Ltd.	Mineral Process Plant Design and Engineering	April 2011 to July 2012
4.	Deputy Manager			April 2009 to March 2011
5.	Asst. Manager			April 2007 to March 2009
6.	Post Graduate Trainee		Training	May 2006 to March 2007
7.	Summer Trainee	HZL, Rajasthan	Summer training	2005 (3 weeks)
8.	Summer Trainee	UCIL, Jaduguda	Summer training	2005 (3 weeks)
9.	Summer Trainee	IOCL, Barauni	Summer training	2003 (5 weeks)

3. Research Guidance:

Ph.D: Degree Awarded – 02, Pre-submission done – 03, Ongoing – 02
PG Level: Completed – 20, Ongoing - 2

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4. Research Projects

S No.	Project title	Amount, Lakh	Funding agency	Project start date	My Role	Status
1	Development of empirical relationship between proximate analysis and heat value of Patherdih reject coal	2.59	BCCL	17.08.2019	PI	Ongoing
2	Quality assessment of slurry stacked at Sudamdih Coal Washery	1.41	BCCL	15.09.2020	PI	Ongoing
3	Quality assessment of slurry stacked at Patherdih Coal Washery	3.89	BCCL	20.10.2020	PI	Ongoing
4	Pure Iron Oxide Production from Ferrous Chloride	2.62	Nipuna International Pvt. Ltd.	01.03.2021	Co-PI	Ongoing
5	Development of modalities for fixation of import parity price for washed coking coal produced by BCCL	88.26	SAIL-BCCL	01.01.2021	Co-PI	Ongoing
6	Sampling and quality assessment of 1.70 Lakh Tons of Rejects of lying between gate of 5.0 MTPA Patherdih NLW Washery and to south side of Kaccha road to Siding at 5.0 MTPA Patherdih NLW Washery	13.44	BCCL	20.09.2021	Co-PI	Ongoing
7	Sampling, analysis and grading of 106805.21 MT in H-14 & 169911.38 MT in H-15 heap of Reject at Patherdih Coal Washery	6.54	BCCL	01.10.2021	PI	Ongoing
8	Design of cost effective process flowsheet for improved washing efficiency of Indian Coking and Non-coking coals	223.65	CIL	2017	Co-PI	Ongoing

5. Technology/Process development

- Development of 'Settling Index' to access the performance of separation of liquid from a slurry (2015).

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- Development of 'Water Recovery Index' to assess the dewatering performance of sludge (2017).
- Process flowsheet development for the recovery of combustibles from fly ash for Captive power plants of DRI and cement manufacturing units (2013).

6. Institute/Department service (earlier/ongoing)

- Head of the Department, Department of Fuel Minerals and Metallurgical Engineering.
- Coordinator, Academic (PG)
- Member, Monitoring and Review Cell
- Coordinator, ISTEM, FMME
- Member – DUGC
- Member – Institute Core Course Committee (Electrical Engineering)
- Member - Tabulation
- Faculty In charge – Placement, PG
- Faculty adviser – Final Year B.Tech and Dual degree, Mineral Engineering
- In charge – JRF (Till June 2016)
- In charge – Guest Lecture (Till June 2016)
- In charge – Training (Till 2017)

7. Extracurricular activities/ Achievements/Awards

- Working as Vice-President, IIME Dhanbad Chapter (since October 2021).
- Convener, International Seminar on Mineral Processing, MPT-2018, 10-12 October, 2018, at IIT(ISM) Dhanbad.
- Organized certificate course as co-coordinator on "Mineral Processing" of 6 days duration funded by MHRD, GOI, Under Pandit Madan Mohan Malvia National Mission on Teachers and Training, at IIT(ISM) Dhanbad (26 June 2017 to 01 July 2017).
- Recipient of Prof. C. Mahadevan, Mineral Engineering Science Award, 2017 (MESA 2017), honored by Mineral Engineering Science Association, Visakhapatnam, India.
- Coordinator, Flotation Workshop jointly organized by Xstrata Technology Australia and IIT(ISM) Dhanbad, 8-9 December 2012 in Kolkata.
- Lectures delivered in various Executive Development Program: 16 lectures

8. Industrial Experience:

Worked as design and engineering of following mineral processing plants:

- Lead-Zinc Beneficiation Plant of S K Mines, HZL and RA Mines, HZL.
- Copper Beneficiation Plant of Konkola Copper Mines, Zambia, Vedanta.
- Other plants include: Uranium Corporation of India Limited, Sarsathali Coal Washery Asansol, etc.

9. Major consultancy/Testing projects

S No.	Consultancy No.	Financial Year	Title	Amount, Lakh	Role, PI/Co-PI	NO. of Co-PIs	Funding Agency
1	CONS/3040/2015-2016	2015-2016	Learn from Earch Other (LEO) Workshop, SAIL, Ranchi	0.50	PI	NA	SAIL Ranchi
2	CONS/3747/2017-2018	2017-2018	Testing of Lead-Zinc ore of Zawar Mines	0.80	PI	NA	Mcnally Bharat Engg. Co Ltd. Kalkata
3	CONS/3169/2016-17	2016-2017	Testing of coal samples of Bhojudih, BCCL.	2.00	PI	3	BCCL

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4	CONS/3369/2016-17	2016-2017	Analysis of coal samples of Patherdih Coal Washery, BCCL.	2.25	PI	1	BCCL
5	CONS/3413/2016-2017	2016-2017	Testing of Coal Samples.	2.43	PI	1	AKA Logistics Pvt. Ltd. Kolkata - 17
6	CONS/3357/2016-2017	2016-2017	Testing of coal Samples.	2.04	PI	1	AKA Logistics Pvt. Ltd. Kolkata - 17
7	CONS/6044/2020-21	2020-2021	Sampling and quality assessment of coal from different Colliery of Eastern Coalfield Limited.	0.87	PI	NA	Eastern Coalfield Limited
8	CONS/5036/2019-2020	2019-2020	Coal quality evaluation for pricing purpose.	18.70	Co-PI	3.00	Pricewaterhouse Coopers Private Limited
9	CONS/4081/2018-2019	2018-2019	Quality evaluation of slurry of Patherdih Coal, BCCL.	3.60	Co-PI	2.00	BCCL
10	CONS/3775/2017-2018	2017-2018	Equipment Selection for Ball mill grinding circuit for BHEL Hyderabad	20.00	Co-PI	4.00	BHEL Hyderabad
11	CONS/3508/2017-2018	2017-2018	Ball mill Size Calculations for limestone grinding under wet condition for BHEL	20.00	Co-PI	4.00	Bharat Heavy Electrical Ltd.
12	CONS/3056/2015-2016	2015-2016	Profiling of Heat Values along the coal flow chain in Rihand STPS of NTPC	56.63	Co-PI	3.00	MTPS
13	CONS/3042/2015-2016	2015-2016	Profiling of heat values along the coal flow chain in Singrauli STPP of NTPC	37.83	Co-PI	3.00	NTPC
14	CONS/3007/2015-2016	2015-2016	Profiling of Heat Values Along the Coal flow Chain in Vindhyachal STPP on NTPC	36.10	Co-PI	3.00	NTPC Vindhyachal

(Shravan Kumar, Asst. Professor)