

BIODATA

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CAREER OBJECTIVE : To obtain a position that will allow me to utilize my technical and practical knowledge for growth of myself and Organization.

ACADEMIC PROFILE

EXAMINATION	UNIVERSITY	INSTITUTE/COLLEGE	YEAR	CGPA/ %
Post Graduate	IIT Kharagpur	IIT Kharagpur	2013	7.49
Graduation	VBU Hazaribag	B I T Sindri , Dhanbad	2011	77.40
Intermediate/+2	B.I.E.C ,Patna	B.S College Madhuban E.ch	2005	60.33
Matriculation	J.S.E.B,Ranchi	High School Sarotia,Godda	2002	65.00

ACADEMIC PROJECT

M.Tech. Dissertation (*Prof.M.M Godkhindi & Prof. K . Biswas, IIT Kharagpur*)
“Investigation on mechanism of sintering in microcrystalline Nickel and effect of microwave heating” [Sep’ 12-Apr’ 13]

B.Tech. Thesis (*Prof.B.N Roy, BIT Sindri*)
Successfully completed B.Tech project on “Smelting reduction a reviews” [2011]

INDUSTRIAL TRAINING

STEEL AUTHORITY OF INDIA LIMITED ,BOKARO

- Extensively analyzed the various units of Sintering Plant , Raw Material Section, Burden Section and Machine Section.
- Studied the processing of Coke Oven Plant (CO), Blast Furnace (BF), Steel Melting Shop (SMS)

TECHNICAL EXPERTISE

- **INSTRUMENTATION PROFICIENCY:** Experience to work with Hardness Testing Machine (Rockwell, Brinell , Vickers),Wear testing machine, Tensile testing machine(UTM),Impact Testing etc.
- **CHARACTERIZATION PROFICIENCY:** Optical microscope, Scanning electron Microscope, X-ray diffraction.
- **SOFTWARE PROFICIENCY:** Origin, Thermocalc etc.

ACHIEVEMENTS

- Qualify Gate Exam 2011
- Got scholarship from Human Resource Development Ministry of India for Pursuing M.Tech from IIT Kharagpur during 2011-13.
- Qualify Gate Exam 2015
- Received certificate of appreciation for Teacher Innovation Award in Zero Investment Innovations for Education Initiatives (ZIIIE) organized by Sri Aurobindo Society.
- Guided to 7th and 8th semester students for their Minor and Major Projects.
- Guided to 3rd and 4th semester Student for their M.Tech Project .

PROMINENT COURSESS TAUGHT

- Intoduction to Physical Metallurgy:Theory
- Intoduction to Physical Metallurgy: Laboratory
- Deformation Behaviour and Testing of Materials: Theory
- Deformation Behaviour and Testing of Materials: Laboratory
- Iron Making: Theory
- Steel Making: Theory
- Phase Diagram and Phase Transformation: Theory
- Heat treatments of materials: Laboratory
- Mechanical Metallurgy: Theory

SHORT TERM COURSE/WORKSHOP/TRAINING ATTENDED

- Attended **1 week QIP STC and CEP on Steel Technology** organized by IIT BHU during March 2-9,2017.
- A Webinar organized on **Prospects and Opportunities of Metallurgy** for Metallurgy students of Diploma college of Jharkhand,Chhattisgarh and Odisha.
- A workshop organized "**Recent Trends in Iron and Steel Making (RTISM)**" during April 10-11, 2018.
- A workshop organized on the topic ‘ ‘ **Fatigue and Its Crack Prediction**’ ’ on November 22, 2019
- Attended 2nd One Week International Faculty Development Program – ONLINE on "**Role of Materials and Processing in Additive Manufacturing: 3D Printing to Industry-2020**", from 19th - 24th July 2020 organized by Department of Mechanical Engineering, GLA University, Mathura in association with Indian Institute of Metals (IIM), Mathura Chapter.
- Attended two days online workshop on **patent drafting and processing with importance of Trademarks and copyright** organized by journal of Advance Engineering Research during May 6-7 ,2020.
- Attended 7 week online course on **Ferrous Technology II** on COURSERA
- Attended online course on **Six Sigma -Understanding Benchmarking Methods-Revised 2018** and recivied certificate on 12/05/2020.
- Attended awareness program on **Intellectual property rights** organized by Shri Chhatrapati Shivajiraje College of Engineering on 19/05/2020.
- Recived Certificate of appreciation on **Faculty program on NBA** organized by Bharati Vidyapeeth College of Engineering on 15/05/2021.
- Received certificate of **Virtual training on ISO 17025:2017** conducted by vision care certification PVT LTD during October 6-9,2021
- Received certificate of **Virtual training on measurement uncertainty as per IS/ISO/IEC 17025:2017** conducted by vision care certification PVT LTD during November 26-27,2021

CONFERENCE ATTENDED

- Presented paper entitled “ **Investigation of mechanism of sintering in Microcrystalline nickel in Conventional sintering process**” in **ICASPCT** organised by OP Jindal Institute of Technology ,Raigarh chhattisgarh on **Jan14-16 , 2015**.
- Presented paper entitled “ **Investigation of mechanism of sintering in Microcrystalline nickel in Microwave sintering process**” in **ICASPCT** organised by OP Jindal Institute of Technology ,Raigarh chhattisgarh on **March 14-16, 2016**
- Presented paper entitled “**Prevention of heat loss of continuous cast slab while transferring it from continuous casting shop to reheating furnace for the need of hot rolling**” in

ICASPCT organised by OP Jindal Institute of Technology ,Raigarh chhattisgarh on **March 14-16 2016**

- Presented paper entitled “**Enhancement of mechanical properties of low carbon steel by heat treatment and carburization technique**” in *ICASPCT* organised by OP Jindal Institute of Technology ,Raigarh chhattisgarh on **March 22-23, 2017**
- Presented paper entitled “**Mercury ion detection of water body using unmodified and ZnO modified carbon paste electrode by electrochemical technique**” in *ICASPCT* organised by OP Jindal Institute of Technology ,Raigarh chhattisgarh on **November 21-22, 2019.**
- Presented paper entitled “**Comparison of electrochemical characteristic of carbon paste electrode and modified CPE with chromium oxide and Zinc oxide**” in *ICASPCT* organised by OP Jindal Institute of Technology ,Raigarh chhattisgarh on **November 21-22, 2019.**
- Presented paper entitled “**Dephosphorization of steel in ladle refining furnace through induction furnace route**” in *ICASPCT* organised by OP Jindal Institute of Technology ,Raigarh chhattisgarh on **November 21-22, 2019.**
- Presented paper on **Experimental study of effect of grain size on hardenability of SAE4124 materials in digital international conference 2020** on role of innovation entrepreneurship and management for sustainable development held at OPJU.

INTERNATIONAL/NATIONAL JOURNALS

- M. I. Hussain, M. Hussain, A. Gupta & G. N. Ahmad “Experimental Investigation and Comparative Study of Sintering of Microcrystalline Nickel Using Microwave and Conventional Method”, Arabian Journal for Science and Engineering 46, (2021) 7757–7771.

WORK EXPERIENCES

- I am having approximately **8 year & 6 month** of working experience as I was associated with OP Jindal University, Raigarh Chhattisgarh during **June 14,2013 -January 11,2022.**

EXTRACURRICULAR ACTIVITIES

- Worked as Coordinator for **PPBL and Case study a Teaching & Learning technique** for the students during **2013-2015.**
- Worked as Coordinator for **Training and Industrial Visit** of students in JSPL in **2014-15.**
- Worked as Organised Committee in **TechnoRollix-2014 a Tech fest** for the OPJIT students.
- Organises International conference “**ICASPCT 2015**” and worked as Co-coordinated as registration committee .
- Worked as Organised Committee in **TechnoRollix-2015 a Tech fest** for the OPJIT students.
- Worked as a Metallurgical Engineering departments **Placement Coordinator** since 2015.
- Organises **Gate Clases** for Metallurgical Engineering Students of **2010-14** batch from which **13 students** cross their cutoff marks.
- Establish **Departmental Library in Metallurgical Engineering** and coordinated the same since **2014.**
- Organises **Gate Clases** for Metallurgical Engineering Students of **2011-15** batch from which **07 students** cross their cutoff marks.
- Worked as Co-Coordinator in **students admission cell in 2015.**
- Worked as Organised Committee in **TechnoRollix-2016 a Tech fest** for the OPJIT students.
- Organises International conference “**ICASPCT 2016**” and worked as Co-coordinated as registration & advertising committee .
- Organises a workshop entitled “**Thermo-dynamic simulation tools in steel research & development**” with the association of *Bhanu Scientific Limited, Hyderabad an Indian partner of Themo-Calc software AB, Sweden and IIT Chennai during September10-12,2016.*
- Organises a workshop entitled “**Metallography techniques and mineral processing**” during **October 20-21,2016.**

- Organises International conference “*ICASPCT 2017*” and worked as Co-ordinated as registration
- Organises a workshop entitled “*Recent Trends in iron and steel making*” during April,10-11, **2018**.
- A Webinar organized on **Prospects and Opportunities of Metallurgy** for Metallurgy students of Diploma college of Jharkhand,Chhattisgarh and Odisha.
- A workshop organized "**Recent Trends in Iron and Steel Making (RTISM)**" during April 10-11, 2018.
- A workshop organized on the topic ‘**Fatigue and Its Crack Prediction**’ on November 22, 2019
- A Faculty Development Program organized on the topic of **Recent Advancement in Process Metallurgy** during July 13-17,2020.
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MEMBERSHIP OF PROFESSIONAL BODIES
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- Life Time Membership of ISTE.
- ASM International Professional Membership
- Membership of the International Association of Engineers