

Curriculum vitae

Abhay Sadhu

Lecturer(NBL)

Department of Mining Engineering

Government Polytechnic Nirsa , DHANBAD



Personal information			
Date of birth	12-October-1995		
Nationality	Indian		
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Office address	Department of Mining Engineering, Government Polytechnic Nirsa, Dhanbad-828205, Jharkhand, India		
Home address	Vill- Joradih ,Post-Benagoria , P.S-Nirsa , Dhanbad ,Jharkhand 828205		
Academic qualification			
S/NO.	DEGREE	YEAR	UNIVERSITY /INSTITUTE
1.	B.Tech Mining Engineering	2017	BIT- Sindri , Dhanbad
2.	M.Tech Mine Environment specialisation	2025	A K S UNIVERSITY
3.	PhD. Mining engineering	Pursuing	IIT BHU VARANASI
Field of interest		Mine Ventilation, Mine Fire, Mine Environment, Mine Planning, , Environmental Impact Assessment, Mine Legislation ,Open Cast Mining	
Professional experience including internships			
Coal India limited		Hariyajam Underground Coal Mine, BGH Group , Mugma Area , Eastern Central Coalfields.	

Coal India limited	Bastacola Underground Coal Mine, Dhanbad, BCCL.
Tata Steel	Noamundi Iron Mines Jamshedpur
Department Of Higher Technical Education And Skill Development ,Government Of Jharkhand	Government Polytechnic Nirsa, Dhanbad-828205, Jharkhand, India

Research Experience

1.	<p>Postgraduate scholar, AKS UNIVERSITY, (2025). Thesis title: Drilling And Blasting Optimization In Open Cast Mining. Supervisor: Dr. Sandeep Prasad To Critically examine the existing drilling and blasting practices adopted in the selected open cast mine ,with particular emphasis on blast geometry, explosive selection ,initiation system and operational constraints.</p>
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Academic Institute Credentials

1.	Courses taught	Diploma level Theory: 09 Practicals:04
2.	Mining Sirdar/Overman Examination	Gas Testing Based Classrom ,Evaluation and Feedbac
3.	Accreditation status	Underprocess NBA accreditation in Diploma Level program of the mining engineering department G P Nirsa, Dhanbad Member of the departmental NBA committee
4.	Examination	Internal Question Paper Setting, Departmental university examination invigilation and Evaluation For Jharkhand University Of Technology,

Conference/ Workshop/Seminar/ organised

Name of The Conference: National Symposium on Fueling the Future : Navigating The global Energy Transition IIT ISM DHANBAD
Topic : Inovative utilization of coal mine fire heat for steam based thermal power generation
December 2025
Place : IIT ISM DHANBAD

Membership of the professional body

Prayas India (Bit Sindri) Non Governmental Organization lifetime membership.

Executive member Arts Club BIT Sindri, Dhanbad .

Scholastic achievements

- Acquired Mine's Gas Testing Certification from Directorate General of Mine Safety – Ministry Of Labour And Employment, Government of India.
- Acquired 2nd class Managership Certificate from Directorate General of Mine Safety – Ministry Of Labour And Employment, Government of India.
- Acquired 1st Aid Certificate from st. John Ambulance (india) – Indian Red Cross Society

