

Faculty Profile

Dr. S. P. Yadav is a senior academician and experienced educator in the field of **Geology and Mining Engineering**, currently serving as **Lecturer selection grade2 (Geology)** at **Government Polytechnic Nirsa, Jharkhand**, with additional responsibility as **Head of Department, Mining Engineering**.

He holds **M.Sc. in Applied Geology**, **M.Sc. Tech. in Remote Sensing**, and a **Ph.D. from the University of Rajasthan, Jaipur**, reflecting a strong academic foundation supported by interdisciplinary expertise in geosciences and geospatial technologies.

Dr. Yadav began his teaching career in **1999** as a **Lecturer (Geology)** at the erstwhile **Mining Institute, Koderma (Bihar)**. Following the formation of Jharkhand state, his cadre was allocated to Jharkhand, where he has served in several premier technical institutions:

- Mining Institute, Koderma – 1999 to 2006
- **Mining Institute, Dhanbad— 2006 to 2013**
- **Government Polytechnic Bhaga — 2013 to 2019**
- **Government Polytechnic Koderma (earlier Mining Institute, Koderma) — 2019 to 2024**
- **Government Polytechnic Nirsa (earlier Mining Institute, Dhanbad) — 2024 to Present**

With over **two decades of teaching, research, and administrative experience**, Dr. Yadav has made significant contributions to academic development, student mentoring, and institutional strengthening in technical education.

Research & Publications

Dr. Yadav has actively contributed to research in the fields of **Applied Geology, Remote Sensing, and Environmental Studies**. His academic contributions include:

- Publication of **more than 15 research papers** in **reputed journals**, as well as presentations in **national and international seminars and conferences**
- Authorship of **books on Rainwater Harvesting**, focusing on sustainable water resource management
- Authorship of **books on Remote Sensing and GIS**, highlighting applications in geosciences, environmental monitoring, and resource management

His research work emphasizes **sustainable development, geo-environmental management, and application of modern geospatial technologies in mining and natural resource assessment**.

Administrative & Institutional Responsibilities

In addition to his academic contributions, Dr. Yadav has been entrusted with several key responsibilities:

- **Head of Department, Mining Engineering**
- **AICTE Nodal Officer**
- **Coordinator/Nodal Officer – Unnat Bharat Abhiyan**
- **NBA (National Board of Accreditation) Coordination & Documentation**
- **Active participation in institutional development, quality assurance, and accreditation processes**

Academic Interests & Expertise

- Applied Geology
- Remote Sensing & GIS
- Mining Geology
- Environmental Geology
- Sustainable Resource Management

- **Message from Head of Department**

- **Department of Mining Engineering**

- Mining Engineering plays a vital role in the growth and development of any nation. The primary objective of the department is to contribute towards the supply of **fuel, metals, and non-metallic minerals** by developing **skilled and competent manpower** for the mining and allied industries.
- The development of a nation largely depends on the **efficient utilization of its natural resources**, particularly those available within the earth. As it is not possible to source essential raw materials from beyond our planet, **mining activities remain the backbone of industrial and economic progress**.
- However, mining operations demand a high level of **technical knowledge, safety awareness, and professional competency**. Recognizing this responsibility, the Department of Mining Engineering is committed to accepting these challenges by producing **well-trained, industry-ready professionals** equipped with both theoretical understanding and practical skills.
- The department is actively engaged in **imparting quality technical education, promoting sustainable mining practices, and fostering innovation** among students. It plays a **pivotal role in supporting industrial activities** by continuously contributing skilled manpower essential for the functioning of core sectors such as energy, infrastructure, and manufacturing.
- We strive to align our academic activities with **modern technological advancements, industry requirements, and environmental responsibilities**, ensuring that our students become responsible engineers contributing to national development.

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- **Dr. S. P. Yadav**
Head of Department
Mining Engineering
Government Polytechnic Nirsa, Jharkhand



• *Dr. Suresh Prasad Yadav*