



BHAGWANT UNIVERSITY

Ajmer, Rajasthan

Established by Govt. of Rajasthan and Recognized by UGC, ISO Certified
Approved by BCI, PCI, NCTE, Member of AIU, IAP, AIMA, FICCI, DGMS Enlisted

Awarded as
"Best Group of Institutions"
by AAJ TAK & Royal Brand Pvt. Ltd.

Awarded as
"Best Self Financing University in Rajasthan"
by Prime Time Research Media Ltd.



DEPARTMENT OF MINING ENGINEERING

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BHAGWANT GROUP OF INSTITUTIONS

MESSAGE FROM CHANCELLOR



Dr. Anil Singh

Bhagwant Group of Institutions, a renowned name in the realm of education has taken giant strides for its progress. Bhagwant University Ajmer, Rajasthan has been established with an object of imbibing academic excellence, upholding and maintaining ethical values. It is enriching knowledge, skills, attitude and self belief, so as to enable students to be successful in their future endeavor.

It is providing comprehensive, multifaceted, inter disciplinary, world class education with its dedicated, involved and committed staff. Bhagwant University plays a vital role in the socio-economic growth of the nation.

I welcome student fraternity to experience the amiable educational environment at Bhagwant University and discover new horizons

MILESTONES OF BGI

Bhagwant Group of Institutions has been imparting Education in Technical, Management and Pharmaceutical disciplines since the year 2000 and has earned great distinction. The following Institutes of the Group have been approved by All India Council for Technical Education (AICTE) / National Council for Teachers Education (NCTE) / UGC respectively.

- Bhagwant University (BU), Ajmer, Rajasthan
- Ajmer Institute of Technology (AIT), Ajmer, Rajasthan
- Bhagwant Institute of Technology (BIT), Muzaffarnagar, U.P.
- Bhagwant Institute of Technology (BIT), Ghaziabad, U.P.
- Bhagwant Institute of Pharmacy (BIP), Muzaffarnagar, U.P.
- Bhagwant College of Education (BCE), Muzaffarnagar, U.P.
- Shakuntla Girls Degree College (SGDC), Chandpur, Bijnor, U.P.
- Bhagwant Public School (BPS), Chandpur, Bijnor, U.P.
- Bhagwant Institute of Medical Science, Muzaffarnagar, U.P.
- Bhagwant Institute of Technology & Management, Muzaffarnagar, U.P.

Our meritorious and outstanding students are placed at various Companies and MNCs of National and International repute like Wipro, Infosys, HCL, TCS, ICICI etc.



ABOUT THE UNIVERSITY

Bhagwant Group of Institutions has been started by a Group of NRIs, Engineers and Academicians in 1999, who have done a pioneering work in the field of education. It's a matter of pride and honour that under the aegis of Bhagwant Group of Institution, Bhagwant University, Ajmer, Rajasthan has been established in 2008 by Act No. 18 of 2008 of the UGC Act 1956. Bhagwant University has well established center for Engineering, Management, Science, Pharmacy, Education, Hotel Management, Physiotherapy and Mass Communication with state of the art facilities for training and research. It is providing quality education for rural and urban citizens through different modes at par with global standards.



Our University has developed relationship with reputed Foreign Universities and colleges around the globe for student and faculty exchange, development programme and International Internship. The Universities with whom we have Tie-ups are
Sheffield Hallam University (UK),
Gannon University (Pennsylvania, USA),
University Of Western Australia (Perth, Australia),
Norwegian University Of Life Sciences, NMBU (Norway)



INFRASTRUCTURE

Campus & Environment

The campus of Bhagwant University Ajmer is spread over more than 100 acres of land. The University building has been designed and constructed under the supervision of highly qualified architects and consists of lecture theaters, tutorial rooms, computer labs, conference hall, laboratories, workshops, library and administrative offices with lush green lawns and a pollution free environment.

Library

The University has spacious, updated and rich Library which houses different books on Engineering, Pharmacy, Physiotherapy, Education, Hotel Management, Sciences, Management, Computers and general subject books. Many national & international journals and periodicals are subscribed on regular basis.

Hostel Facilities

The Institute has fully furnished separate hostel facilities for boys and girls. These are supported by an excellent mess, common room, STD-PCO, Internet Access (fully Wi-Fi), Canteen, Provision Store, Medical Assistance.

Internet Facilities

24 hours Internet facilities are being provided through BROADBAND @ 1 Gbps for Students. Free internet facility is also provided round the clock to Students.

DEPARTMENT OF MINING ENGINEERING

Introduction

Department of Mining Engineering was established in the University in 2010 and has fully equipped laboratories with latest equipments, gadgets, equipments and instrumentation systems for undergraduate program. It has well stocked books in the library in mining and related areas. The computer lab is having latest configuration hardware and software. Students are taken to sites for coal, zinc, iron ore, manganese open cast, aluminum, potash, fluorite and other industrial mineral mining for field experience. Students have opportunities for training and internship in Indian and International Companies.

Programs Offered

Course	Branch	Duration	Eligibility Criteria
M. Tech.	Mining	2 Years	B.E./B.Tech. or an equivalent degree in Mining/Civil/Mechanical Engg.
B. Tech.	Mining	4 Years	Passed 10+2 Examination in Physics, Chemistry and Maths with at least 45% marks (40% marks in case of Candidate belonging to reserved category) in the above subject taken together.
Diploma	Mining	3 Years	Passed 10th Standard/SSC Examination with at least 35% marks at the qualifying exams.

- Lateral entry for Diploma Holder/B. Sc. in Direct 2nd Year of B. Tech.

Mining Engineering is a discipline that involves the practice, theory, science, technology, and application of extracting and processing minerals from a naturally occurring environment. Mining engineering also includes processing minerals for additional value. The need for mineral extraction and production is an essential activity of modern society. With growing industrialization, the need for qualified technical personnel in various activities of mining such as survey, construction, CAD, processing, and other allied areas are bound to be on the increase for years to come.



The course includes Mining Geology, Mine Construction & Development, Mining Machinery, Mine Surveying, Drilling and Blasting, Mine Environmental Engineering, Underground Coal Mining, Mineral Economics, Surface Mining, Mineral Processing, Underground Metal Mining, Rock Mechanics, Fuel Technology and Coal Preparation, Marine Mining, Mine Planning and Design, Ground Control, Computer Application in Mining, Mine Legislation, Advanced Surface Mining, Mine Project Management, Software Engineering, Maintenance Management in Mines, Rock Mechanics, Computer Application in Mining, General Safety in Mines, Mine Management, Mine Transport System, Mining Geo Statistics, Deep Mining, Mine Environment and Ecology, Rock Excavation Engineering and Mining Project.



Major equipments in mining include, hydraulic jumbo drills, powder loaders, shaft sinking equipment, drifter, mobile roof supporters, beam setter, can handler, longwall utility bolters, degasification drills etc. Softwares used in mining engineering include Surpac, GEMS, Mine Whittle, MineSched, PCBC, Hub, InSite etc.



What Students learn from Mining Course?

When students graduate from the Mining course, they develop necessary skills and knowledge to utilize an understanding of:

- Open-pit and underground mining activities, processes, and methods.
- Types of ore bodies; map interpretation; and basic geology to assist in planning and development.
- Perform surveys appropriate to both mining and civil needs.
- Utilize computer software to produce technical reports, presentations, and calculations.
- Perform basic mathematical operations and solve mathematical problems related to the physics of mining.
- Utilize communication skills to effectively communicate and respond to written, spoken, and visual messages.
- Interact with others in groups or teams in ways that contribute to effective working relationships and achievement of goals.



Scope & Employment Opportunities

The mining sector and related industries has always been among the highest paying sectors of the economy. Demand for skilled workers in the mining industry is on the rise and long term forecasts show the demand will last. Direct employment in the mining industry involves activities at the mine site, including underground work, lab work, and field work. Employment with exploration companies typically involves outdoors and office work.

Opportunities for employment include such areas as mine surveying, mine planning, mineral extraction, technical drawing, industrial, geological, geophysical fieldwork, environmental control, assaying, process control and technical sales.

Firms such as Coal India recruit fresh graduates in Mining engineering as Management Trainee. Bharat Aluminum Limited, Indian Oil Corporation, Hindalco Industries, Bharat Gold Mines Ltd. National Aluminum Corporation, Vedanta, NMDC, NLC, Gujrat Mineral Development, Steel Authority, Jindal Steel, Hindustan Zinc, are major recruiters in this sector.

Apart from this, candidates can work as Junior Research Fellow in reputed Institutes such as IIT, NIT, NCL and Banaras Hindu University, Central Institute of Mining and Fuel Research etc.

Tecnomont ICB Pvt. Ltd, Reliance Industries and Tata Power are some of the major recruiters in private sector. Students start their career as Mineral Processing Engineer, Researcher, Mineral Exploration, Mining Engineer, Drilling Engineer, Technical Engineer in Mine Management etc.

HOW TO APPLY

Registration Form can be procured by sending a DD of Rs. 1000/- in favour of "Bhagwant University", payable at Ajmer, at the following address Registrar-Bhagwant University, Sikar Road, Ajmer (Raj.) -305004 or Download it from our website and send it along with a DD of Rs 1000 as stated above. Applicant will have to fill up the Admission form for the desired course along with the requisite fee which can also be downloaded from our website : www.bhagwantuniversity.ac.in

FOR MORE INFORMATION

SMS 'BU' at 56677

OVERSEAS OFFICES

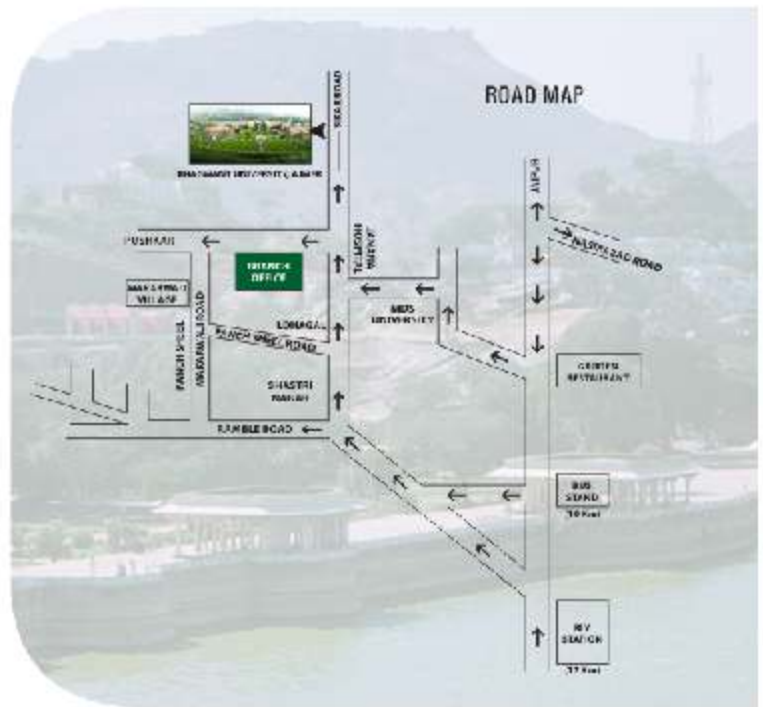
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Mining



Mining Conveyor



Mine Shaft

