


*In service of the nation  
Since*



# Recruiter's Guide 2010-2011



**BIT SINDRI**  
DEPARTMENT OF SCIENCE AND  
TECHNOLOGY  
Govt. of Jharkhand

# Recruiter's Guide 2011

# BIT SINDRI

## VISION

To impart quality education in engineering and technology and produce highly technically trained human resources of world class quality. To promote research and development in the emerging and thrust areas and attainment of academic excellence .

## MISSION

To achieve academic excellence of the international standard.

## GOAL

To become dynamic ,quality conscious ,forward looking and responsive to global economic & technological development by imparting quality technical education.

BIT SINDRI

Recruiter's Guide 2011

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Recruiter's Guide 2011

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# Invitation

## TRAINING & PLACEMENT OFFICE

B.I.T. SINDRI

Dhanbad 828 123(Jharkhand)

(Dept. of Science & Technology ,Govt. of Jharkhand)

It gives me immense pleasure to invite you for participation in our Campus Recruitment Program to recruit BIT SINDRI graduates available in large numbers, exceeding 680 in your esteemed organization. This brochure describes briefly the academic programs offered at BIT SINDRI and other aspects of the institute, which highlight the excellent infrastructure and the capabilities of our students and what you expect during your visit to BIT SINDRI. We co-ordinate your visit to our campus and provide all possible assistance for the recruitment of our young graduates. The candidates for recruitment are expected to get their degree during summer. Besides, we will be organizing recruitment of pre-final year students for summer internships in your organization in case, you are interested in offering the same.

Please send us the information about your organization and your proposed positions on the job Announcement Form at the earliest. Please also convey the proposed date for your visit so that we may allot a convenient slot for you. Please note that sooner the better, so we are looking forward to provide your esteemed organization on early slot starting from May onwards.

We look forward to hearing from you and establishing a long term relationship with your esteemed organization.

Yours sincerely,



Prof (Dr.) G.Kumar  
Training and Placement Officer  
B.I.T. Sindri



Prof (Dr.) S. K. Singh  
Director  
B.I.T. Sindri

# First Look



BIT SINDRI is a premier technical institution offering undergraduate and postgraduate courses in various disciplines of engineering approved by AICTE, New Delhi. It is wholly owned by the Department of Science & Technology, Govt. of Jharkhand, Ranchi. BIT SINDRI is known as Birsa Institute of Technology, Sindri. BIT SINDRI was established in 1949 under the able and dynamic leadership of Prof D.L. Deshpande (1950-61), (who is regarded as the architect of the institute). The institute's main aim is to cater to the needs of the nation for technological manpower development and research programmes comparable to the best of the world. The college today offers academic courses in 10 disciplines of engineering namely Mechanical, Electrical, Production, Metallurgy, Chemical, Electronics & Communication, Civil, Mining, Computer Science, Information technology, accredited by NBA. The huge 450 acres of college campus possesses world class amenities which include multimedia auditoriums, seminar rooms, a state-of-the-art well stocked rich e-library, well-equipped modern laboratories and campus wide Wi-Fi network. The wide range of activities on campus, fully residential hostels, good sports facilities and never dying zeal of staffs and students for pursuit of excellence provides a pleasant and intellectually stimulating, proactive, conducive environment to students to feed their curiosities / interest and help them to prepare for the professional, academic and social life.

Alumni of this institute occupy key positions in industry / academia in India and abroad. Its alumni have been playing pivotal roles with laudable success in public as well as in private sector. There are few institutions that boast of such an impressive list of alumni as ours.

# Why B.I.T.



*"BIT is known to me when I was a 28 year old boy and Pandit Nehru visited this place and FCI. He rightly remarked that this is a temple of modern India".*

.....on this 52nd anniversary day of this institute, I wish you all the success of your career.

I have visited Jharkhand a number of times. First is resources, in Jharkhand state you have mineral resources, biodiversity and bioenvironment. Second is manpower, skilled or unskilled manpower is available in this state. What is missing is our connectivity. To make our nation great, three qualities are needed. Nobility in leadership, indomitable spirit and universal mind. These will be utilized to convert dreams to thoughts and finally lead these thoughts to action. What India needs is young leaders with a vision. New organizations of excellence are coming up and they can only succeed if they have an inspiring leadership even during times of failure, leadership even during time of misery. Thus, only visionary leadership will be able to transform India into a developed India. I end with a hope that these young minds, these minds with a mission will lead India to achieve greater height and it is their leadership which can really make India a greater nation. I wish you all the successes in your future.

Dr. A.P.J. Abdul Kalam  
Ex. President, India

The Institute feels pride in possessing a mammoth infrastructure. BIT Sindri has a very large and adequate infrastructure which fully satisfies the needs of the students and the faculty in the campus which had been well acknowledged by the NBA team. The NBA team was here (19th to 21st JAN 2007) for accrediting the undergraduate programmes currently offered by the Institute and to say the least, the NBA team was most impressed with the quality education being offered to the meritorious students here. The college is having campus wide networking wired up through 04 Mbps leased line of BSNL. A world class language lab has been set up in the college to enhance the communication skill and personality of the students. The enriched lab of college is further enriched by installation of the most recent and highly advanced software like MATLAB, SURPAC, PLAXIS, FIAC-3D, ORACLE & IBM BLADE SERVERS.

At the core of all BITians is the drive for excellence. The faculty insists on academic rigour and encourages questioning and debate. While preparing students for the rigour of the competitive corporate world, BIT never loses sight of the need to continually reinforce values such as fair play, integrity and respect for dissent. Relationships forged during these four years with classmates, faculty and alumni become lifelong bonds of commitment and involvement. The cooperative, team oriented culture teaches the lessons of working successfully with others to achieve objectives; a powerful and necessary skill in today's complex, fast-paced environment.

# Board of Governors

Sri V K Srivastava

Managing Director  
Steel Authority of India Limited  
Bokaro, Jharkhand

Vice Chancellor

Vinoba Bhave University  
Hazaribagh,  
Jharkhand

Sri S Das Gupta

Director,  
Dept. of Science & Technology  
West Bengal

Sri D. Rath

CMD  
Mecon  
Ranchi, Jharkhand

Prof. S. K. Ghosh

Executive Director,  
Indian Institute of Coal Management  
Ranchi, Jharkhand

Director

CMERI  
Durgapur  
West Bengal

Director

National Institute of Technology,  
Jamshedpur  
AICTE Nominee

Prof. S. Sahu

Dean  
IIT Kharagpur  
West Bengal

Prof. A. Kumar

Director  
Science & Technology  
Jharkhand

Director

Xavier Labour Research Institute  
Jamshedpur  
Jharkhand

Prof. T. Kumar

Director  
Indian School of Mines University  
Dhanbad, Jharkhand

Prof. (Dr.) S. K. Singh

Director  
BI.T. Sindri, Sindri  
Dhanbad, Jharkhand

Board of Governors

# Infrastructure

## IT Infrastructure

B.I.T. Sindri has one of the finest infrastructures among engineering institutions in the country. It includes high-end servers and campus wide networking. The entire campus is connected on optic fibre backbone at 10 Gbps & Wi-Fi, including 10 Mbps leased line to provide Internet facility enabling the students to have 24-hour access to all learning resources on the college Intranet & Internet from their hostel rooms. The institute's computing infrastructure offers a wide range of hardware and software platforms to enable its fraternity to appreciate the wide gamut of IT tools.

Each department of the Institute boasts of its own state-of-art computer lab which provides the students with an opportunity to learn the intricacies of various Software packages like Oracle, j Developer, SURPAC VISION, MAXIPIT, PLAXIS, FLAC-3D, MATLAB, STAD PRO, Autodesk CIVIL 3D, CAD/CAM, Visual Studio 2008, Netbeans, Web Logic Server, LAMPP Server, Apache Tomcat Server, etc.



## Workshops

At the pioneer of all the assets are the unique workshop facilities which our institute posses. the students are trained in different skills through various workshops viz carpentry, foundry, smithy, fitting, milling, machine shop, welding shop & sheet metal shop. unanimately these workshops collectively provide a remarkable practical knowledge about various manufacturing processes to our building technocrats.

## Classrooms

Spacious classroom equipped with overhead projectors, make the environment conducive to learning. All departments have their separate seminar hall which provide platform to conduct seminar and symposia all round the year to keep the students aware of the changes happening all round the globe.



# Infrastructure

## Central Library

B.I.T. Sindri feels great pride in possessing a mammoth library with more than 1,30,000 books and a e-library resource center. The library possesses a multi-storied, multi-corridor building with modern amenities like elevators, internet facilities, computer departments etc. The library caters the needs of the undergraduate and postgraduate students by subscribing journals of national and international interests. Subscription to e-journals and e-books update the students technological edge on a regular basis. This library facility is open for 24 hrs. In addition to this each deptt. posses its own well equipped library.



## Other Ammenties



B.I.T. Sindri is fully residential having 25 undergraduate and postgraduate hostels for the students. The hostels are well-maintained with common rooms for entertainment. Indoor games facilities are provided in the hostels. The college campus has an all time working Post Office & a branch of S.B.I.. The college has its own dispensary inside the campus with all basic facilities and permanent doctors all the time.

The campus has a satisfactory sports infrastructure including several grounds meant for outdoor and indoor games. The sports facilities include a Gymnasium which is equipped with all the modern facilities and students develop their physique by regularly visiting the place. A large stretch of land is reserved for the annual athletic meet the mega event of the sports club which is held every year. Construction of a mini-stadium, alongside the pre-existing one, is also being undertaken by the Institute to provide more sports facilities to the students.

The alumni house of BIT has been constructed with funds received from BITSAA (BIT Sindri Alumni Association). It is a crescent shaped beautiful building with well-furnished, eight air conditioned rooms.



## Auditorium

The campus is kept alive by the seminars, symposia, cultural and technical activities etc. all the year round. The college has seminar halls with capacity of more than hundred persons and fully air conditioned auditoriums with proper acoustics. The college has the pride to have its own theater with scaly capacity. Big exhibition halls are also another unique feature of this campus. The Deshpandey Auditorium(DPA), a three storied 2000 capacity auditorium, is a centre of attraction and cultural events. All mega events of various clubs and societies are held here on a regular basis.



# Existing Courses

## Details of Undergraduate Courses

Sl. No.	Name of Programs	Year of Starting	Sanctioned Intake		AICTE Approval Ref. No.
			Annual entry	Lateral entry	
01.	Mechanical Engineering	1949	105	11	F. No. 720-73-210/RC/94, Dated 02 May, 2008
02.	Electrical Engineering	1949	99	10	- do -
03.	Metallurgical Engineering	1955	54	5	- do -
04.	Production Engineering	1955	54	5	- do -
05.	Chemical Engineering	1956	91	9	- do -
06.	Civil Engineering	1957	98	10	- do -
07.	Electronics & Comm. Engg.	1957	52	5	- do -
08.	Mining Engineering	1975	49	5	- do -
09.	Computer Science Engg.	1987	38	5	- do -
10.	Information Technology	2001	40	4	- do -

## Details of Postgraduate Courses

Sl. No.	Name of Programs	Year of Starting	Sanctioned Intake	AICTE Approval Ref. No.
01.	<b>Mechanical Engineering</b> a. Heat Power Engg. b. Machine Design c. Production Technology	1968	25 25 25	F. No. 720-73-210/RC/94, Dated 02 May, 2008
02.	<b>Electrical Engineering</b> a. Control System b. Power System	1968	15 15	- do -
03.	<b>Metallurgical Engineering</b> a. Physical Metallurgy b. Process Metallurgy	1968	25 15	- do -
04.	<b>Chemical Engineering</b> a. Plant Design	1968	25	- do -
05.	<b>Civil Engineering</b> a. Soil Mechanics & Foundation Engineering b. Structural Engineering	1968	25 25	- do -

# Mechanical Engineering

Estd. : 1949

The Department of Mechanical Engineering, B.I.T. Sindri is famed for imparting quality technical education for more than 60 years. Mechanical Engineering was started in the year 1949 when the Institute was born. The department offers four years B.Tech. degree course.

Eighteen months postgraduate program is also offered in M.Tech. degree with specialization in Design Engineering, Thermal Engineering and Industrial Engineering. It has produced excellent engineers who have worked in reputed organizations in India and abroad.

Annual Intake in first sem. :- 105

## FEATURES

- ✓ Babcock-Wilcox Boiler
- ✓ CAD/CAM Lab (Auto CAD, Master CAM, DELCAM)
- ✓ Cochran boiler
- ✓ CNC Lathe Machine
- ✓ Experimental HSD Oil Fired Steam Boiler
- ✓ Subsonic Wind Tunnel
- ✓ Eight workshops viz. carpentry, foundry, smithy, fitting, milling, machine shop, welding section, sheet metal shop.



## LAB FACILITIES

Aerodynamics Lab  
Applied Mechanics Lab  
Automobile Lab  
Heat Engines Lab  
Heat and Mass Transfer Lab  
Hydraulics Lab  
Solar Energy Lab  
Material Testing Lab  
Vibration Lab  
Industrial Engineering Lab

## HEAD OF DEPARTMENT

Dr. S. C. Roy



# Electrical Engineering

Estd. : 1949



The electrical department was started in 1949 and is presently imparting quality education to 400 students under the guidance of adequate faculty strength. The department, right from the very inception has been an epitome in the field of electrical engineering. It has been churning out graduates who have been actively rendering their services in varied fields throughout the world and consistently raising the bar of technical excellence.

Annual Intake in first sem. :- 99

## FEATURES

- ✓ A unique internet training laboratory for research and training in network management and applications.
- ✓ First of its kind HIGH TENSION laboratory in Asia.
- ✓ VLSI and EDA design and simulation tools.
- ✓ ERNET, MATLAB and telematics laboratories with advanced network based bed for services and protocols design, and implementation over heterogeneous design network(LAN, data broadcast ,ATM etc.)
- ✓ Single Phase Precision Power analyzer Educational tours of two months duration in BHEL, NTPC, SAIL, HEC Ranchi, etc.

## HEAD OF DEPARTMENT

Dr. P. Rai



## LAB FACILITIES

Analog Lab
Communication Lab
Control Lab
Digital Lab
High tension Lab
Instrumentation Lab
Machine Lab
Microprocessor Lab
Modeling & Simulation Lab
Microcontroller Lab
Computer Aided Power System Lab
Electrical Workshop
Power Electronics Lab
PPAS Lab
Computation Lab
Basic Electrical Lab



# Production Engineering

Estd. : 1955

The discipline of Production Engineering aims at bringing optimum co-ordination among manufacturing processes, plant, manpower and managerial policies for maximum productivity with most economical input of capital as well human resources. Our college distinguished itself of being the first to introduce this branch in Asia in as early as 1955. At Production Engineering in B.I.T. Sindri, we successively strive for matching world-class standards in pedagogy and providing the students one of the best careers in the field of R&D and industrial development.

Annual Intake in first sem. :- 54

## FEATURES

- ✓ Electrochemical Machining set
- ✓ EDM Drill Model Rapid Drill
- ✓ CNC Wire cut EDM (Model EZEECUT PLUS)
- ✓ Industrial ROBOT
- ✓ The Deptt. is having a modern Computer Lab, Conference Hall
- ✓ Research in the field of SAP, Rapid prototyping, and FMS Talysurf, Electronic and Mechanical Comparator, Profile projector
- ✓ Production Society organizes regular national seminars, symposiums and guest lecture
- ✓ Industrial tours are organized to SAIL, TATA, CLW, HEC etc.



## LAB FACILITIES

Flexible Manufacturing Systems Lab

Robotics Lab

Tool Designing Lab

CAD/CAM Lab

Production Workshop

Metrology

Ergonomics and Work study

TMCF Lab

Welding Lab

Computer Lab with Java, C++

MOS/KOM Lab

FM/FMc Lab

## HEAD OF DEPARTMENT

Prof. A. K. S. Choudhary



# Metallurgical Engineering

Estd. : 1955



Since 1956, B.I.T. Sindri has rich heritage of building and shaping world class metallurgists. Metallurgists of this department are consistently striving for the upliftment of the operative professors, interactive alumnus and enthusiastic students together comprise the metallurgical department. The alumni of this department are occupying top most positions in MNCs all over the world. Renowned metallurgists regularly visit our campus and metallurgical field.

Annual Intake in first sem. :- 54

## FEATURES

- ✓ The Deptt. is having a modern Computer Lab, Conference Hall & also a well furnished Library where various metallurgical books and journals are available.
- ✓ JEOL SEM Scanning Electron Microscope Model 220A & INSTRON Universal Testing Machine 4206 Model 150
- ✓ Atomic Absorption Spectrophotometer (AAS), Automatic etching & polishing machine, Siemens X-ray Diffraction Unit
- ✓ Dual automatic high & low speed Linear Precision Diamond Saw Metacut-HSDCM
- ✓ Active participation in the technical and training programmes organized by institutes and various organization all across the country (NMD-ATM, TECHNICA COMPOSITE, organized by IIM SAIL, TATA STEEL, TATA MOTOR , MECON, IIT KGP , NML, RDCIS Ranchi.

## LAB FACILITIES

Metallography Lab

X-Ray Diffraction Lab

Metallurgical Analysis Lab

Electro-hydro Lab

Mineral Dressing Lab

Foundry Lab

Heat treatment Lab

Metallurgical Workshop

Physics of Metal Lab

## HEAD OF DEPARTMENT

Dr. R. N. Gupta



# Chemical Engineering

Estd. : 1956

The department of Chemical Engineering was established in the year 1956. The department offers four years B. Tech degree course with two years PG program leading to M.Tech with specialization in Petroleum Refinery Engineering and Chemical Plant Engineering. The department is home to several consortia and interdisciplinary research in many cutting edge technology areas.

The department also renders consultancy services for tackling technical problems faced by neighboring industries.

Annual Intake in first sem. :- 91



## FEATURES

- ✓ The Deptt. is having a modern Computer Lab, Conference Hall.
- ✓ Students are Trained on CAD in 7th Semester so as to enhance their a technical skills for the chemical plant.
- ✓ Various projects are being carried out under the guidance of learned faculty member.
- ✓ To enhance the technical know how of students industrial tour to different Industries such as SAIL, IOCL, HINDALCO, ACC, CFRI, BCCL are regularly arranged by the department.
- ✓ Seminars and Symposia on new technologies and contemporary challenges of chemical engineering are organized.
- ✓ All the students of chemical engg. are members of Indian Institute of Chemical Engineers (IIChE).
- ✓ To keep the students aware of latest technical explorations in the field, department has an updated library with new research journals.

## LAB FACILITIES

Fluid Mechanics Lab  
Fluidization Engineering Lab  
Thermodynamics Lab  
Computer Lab  
Process Control Lab  
Process Engineering Lab  
Petroleum Refinery  
Plastic Technology Lab Unit

## HEAD OF DEPARTMENT

Dr. S. P. Singh



# Civil Engineering

Estd. : 1957



The department of Civil Engineering was started in the year 1957. The department offers UG & PG courses with Soil mechanics, Foundation Engineering and Structural engineering as specialization. The department also offers adequate facilities for R&D work and thus provides a vital impetus in growth of the state. Both undergraduate and postgraduate are trained in computer applications of Civil Engineering and the latest softwares. The students of the department actively pursue R&D under the guidance of faculty members funded by state government.

Annual Intake in first sem. :- 98

## FEATURES

- ✓ Best M.Tech award for the year 2004 awarded by AICTE.
- ✓ It has one of the most recognized Material Testing Lab in the Eastern Zone.
- ✓ The Department has also purchased another set of TOTAL lab under the guidelines of AICTE-MODROB scheme.
- ✓ The Deptt. is having a modern Computer Lab loaded with latest softwares and Conference Hall with LCD & Overhead Projectors.
- ✓ Civil Engineering Society makes students aware of the latest studies and research going on. The faculty members and student convene to share their views. Equipment
- ✓ Electronic UTM & Proving Ring
- ✓ Ultra Sonic Pulse velocity test Equipment PUNDIT Plus



## LAB FACILITIES

Adv. Structural & M.O.S Lab

Soil Mechanics Lab

Building Material Lab

Concrete Lab

Geodesy and Surveying Lab

Geology Lab

Hydraulics & W.R.E. Lab

Environmental Engg. Lab

Road Material Lab

Structure Lab

## HEAD OF DEPARTMENT

Prof. R. P. Sharma



# Electronics & Comm. Engineering

Estd. : 1957

BIT SINDRI became a pioneering institution of India heralding country towards rapid development in Telecom, since 1957 (When this Deptt. was established). We have had eminent personalities in the faculty. The name was subsequently changed to E.C.E. Our alumni has added feathers in the cap of BIT's rich history by making a mark in the industrial sphere. The students will strive to keep the lamp burning and follow the path to success. Annual Intake in first sem. :- 52



## FEATURES

- ✓ Research in the field of:-
  - VLSI systems and electronic design automation
  - Fibre optics and fibre optic network communication
  - Modeling of power electronic devices
  - Communication systems
  - Communication theory
  - Coding and cryptography
  - Semiconductor devices design and analysis
  - VHDL based projects
- ✓ The computer facilities include 10 Mbps Leaseline connection ,latest essential software like Electronics workbench (multisim, comsim) etc. The lab is also connected through VSAT.
- ✓ Microprocessor and Micro controller Lab
- ✓ Besides all this, IETE organizes meetings regularly where students are made aware with the latest developments in the emerging areas of technology .

## LAB FACILITIES

- Basic Electronics Lab
- Digital Electronics Lab
- Analog Electronics Lab
- Digital Communication system lab
- Microwave system lab
- Electronics workshop
- DSP Lab
- Fibre Optics Lab
- Control Lab
- Microprocessor Lab
- VLSI Lab

## HEAD OF DEPARTMENT

Dr. D. K. Singh



# Mining Engineering

Estd. : 1975



The Department of Mining Engineering was started way back in the year 1975. It offers a four year B. Tech degree course in Mining Engineering with annual intake of 49 students (regular) and 5 students (Lateral Entry). The department is well equipped with smart multimedia classrooms, modern laboratories, a seminar room and an e-Library. The department is well connected with a high speed Internet connection which enables students to keep in pace with the global advancement of technologies in mining field. Scientists from Central Institute of Mining Fuel Research, Experience Managers from nearby mines of SAIL, BCCL & ECL and reputed professors from ISM, Dhanbad visit regularly as a guest lecturer to the Student.

## FEATURES

- ✓ The Deptt. is having a modern Computer Lab, Conference Hall & also a well furnished Library.
- ✓ The Computer Lab is equipped with nearly 60 computers loaded with softwares like SURPAC, MAXIPIT, PLAXIS, VISUAL FEA, FLAC, SYSTAT, AUTOCAD.
- ✓ The library has a good number of books & having subscription to many national & international journals.
- ✓ Maximum exposure to the practical field is given to the students through a compulsory 100 days training, in different companies such as TISCO, BCCL, IISCO, SECL, HZL, UCIL, ECL etc.
- ✓ Social & Moral values are also imparted through various activities; which are decided in the regular meetings of MINING ENGG. SOCIETY, patronized by the head of the department.
- ✓ During four years of study, students have to undergo training essentially in Metal & Coal mines.

Annual Intake in first sem. :- 49

## HEAD OF DEPARTMENT

Prof. (Dr.) U. K. Dey

## LAB FACILITIES

Mine Ventilation Lab
Mine Machinery Lab
Mine Surveying Lab
Rock Mechanics Lab
Gas Testing Lab
Mine Geology Lab
Computer Lab
Remote Sensing Lab
Rock Mechanics Lab
Environmental Lab



# Computer Science & Engg.

Estd. : 1987

The Department of Computer Science and Engineering started functioning in 1987. The first undergraduate batch rolled out in the year 1991. Currently the department has nearly 167 undergraduate students. Graduates from the department are recruited by both academia and industries. All over the world, ex-students of the Department occupy top positions in both academia and industries.

Annual Intake in first sem. :- 38



## LAB FACILITIES

Analog Lab

Computer Architecture

Computer Networks

D.B.M.S. Lab

Electronic Workshop

Instrumentation Lab

Microprocessor Lab

Software Engineering

Operating System Lab

Advance Programming Lab

Digital Lab

Soft Computing Lab

Compiler Design Lab

Artificial Intelligence Lab



## FEATURES

- ✓ Well equipped lab for operating system, DBMS,
- ✓ Computer Networking, Soft Computing and Software Engg. All the labs are connected through LAN
- ✓ Microprocessor interfacing toolkits
- ✓ NT/Windows 2000 servers
- ✓ A full fledged Seminar Hall with LCD and Overhead Projector
- ✓ Department has its own Library, which comprises latest books, magazines and Journals on latest topics.
- ✓ Alumni and delegates are regularly invited in interaction sessions held by the society. MOU and expert teaching from ISM Dhanbad and BIT Mesra.
- ✓ Several Govt. Projects undertaken by Students (GIS, e-Governance, e-Swarojgar).
- ✓ A student's chapter of computer society of India has been installed for training on various languages like JAVA, PHP, ASP, VB and .NET & Databases like ORACLE, MySQL, MS SQL Server.

## HEAD OF DEPARTMENT

Prof. R. K. Srivastava

# Information Technology

Estd. : 2001



Established in the year 2001, this four year degree course in B. Tech boasts of being the latest addition to the elite branches of B.I.T. Sindri with a strength of 160 students comprising all the four batches. Looking at the contemporary industrial scenario where in most of the corporate world is concentrated at and maneuvered by the IT sector, the institute aims to produce the IT professionals who would best fit in .  
Annual Intake in first sem. :- 40

## FEATURES

- ✓ IT SOCIETY providing a platform for all round development of the students to let them stand apart in the crowd of IT professionals.
- ✓ Regular Visits to the nearby industries that pertains to the features of the IT Department like BSNL; NIC, Dhanbad; & NIC, Ranchi.
- ✓ Students undergoing training and research in some reputed institutions namely XLRI Jamshedpur, VEDANTA Lucknow and IIT Kharagpur.
- ✓ A state of the art Seminar Hall with LCD and OHP and good acoustics.
- ✓ To cater the need of internet in laboratory, there is a 2 Mbps Lease line connection.
- ✓ A well furnished library caters the need of all the students.

## LAB FACILITIES

Computer Lab
System software Lab
Communication Lab
Analog & digital communication Lab
Microprocessor Lab
VLSI & DSP Lab
DBMS Lab

## HEAD OF DEPARTMENT

Dr. D.K. Singh



# Applied Science & Humanities

Apart from the existing 10 branches of engineering, the institute also boasts of a department of applied sciences and humanities. The department comprises of Department of Geology, Physics, Chemistry, Mathematics and English. This department aids the institute by carrying out researches in various fields of Physics and Chemistry. The highly experienced and acclaimed professors of these disciplines impart education to the students of all other streams. Their works are regularly published in different sciences journals of international repute. They are frequently invited as guest lecturers or otherwise in various institutes for delivering on their research works.



## FEATURES

- ✓ Unique geological museum housing rare stones of great geological importance.
- ✓ Well-equipped Physics and Chemistry labs.
- ✓ Well established language lab dedicated to the development of communication skill and over all personality development of students, working in co-ordination with IIT kharagpur.
- ✓ 32 user CACM ISIL Software compatible to windows XP 8 user Speechmate Software
- ✓ Research being carried out in Applied Sciences in the fields of geology, laser plasma theory and in various other fields.
- ✓ Publication of research paper of professors in various science and mathematics journals of international repute.

## LAB FACILITIES

Engineering Physics Lab
Engineering Chemistry Lab
Computational Technique Lab
Geological Museum
Language Lab

## Our Faculty

Ph.D.	34%
M.Tech.	52%
B.Tech.	14%

Average experience of each faculty member is 17 years.

## HEAD OF DEPARTMENTS :-

Physics	Dr. S.N. Bimal
Chemistry	Dr. Kunal Kumar
Mathematics	Dr. C. Thakur
Geology	Prof. G.Kumar
Humanities	Dr. Arvind Kumar



## Other Student's Initiatives

### INDIAN SOCIETY FOR TECHNICAL EDUCATION

"Triveni" - A Symposium In Applied Sciences  
 Robotix  
 Junkyard  
 Seminar/Workshop

### LITERARY SOCIETY

Fiesta  
 Spandan Week  
 Brain Pooser  
 Hindi Divas

### MODEL CLUB

SANDHAAN - National level Techno-management fest  
 Software Presentation/Overnite Coding  
 Quiz Competition/Autonomous Robotics  
 Technical Paper Presentation/Case Study

### SPORTS CLUB

Spardha - Annual athletic meet  
 Inter branch Football/Volley Ball Tournament  
 Double Wicket Cricket Tournament  
 Badminton Tournament

### GANDHI RACHNATAKMAK SAMITI

Kislay  
 Inter Branch Quiz Contest  
 Laughter Challenge  
 Hard Talk

### ROTRACT CLUB : XENIUM

Choreography/ Rock Band Competition  
 Blood Identification & Donation Camp  
 Mr & Ms Xenium  
 Eye Relief camp

### ARTS CLUB

Utsav  
 Saregama  
 Fresher's Nite, Yamini  
 Melody Night

### LEO CLUB OF SINDRI

Harmony, Yamini  
 FOYC : Fresher Of The Year Contest  
 FETE: GALA-FROLIA  
 Blood Identification & Donation Camp

### PAINTING WING

Exhibition  
 Sit & Draw Competition  
 Sketching Contest  
 A gallery of rarer & excellent paintings

### ECO CLUB

Toms Test for Management Exam  
 SCI For Freshers  
 Plantation Program  
 UDAAN (Kite Flying Fest)

### PHOTOGRAPHIC CLUB

Drishti- The Exhibition  
 Sparsh- The Musical Night  
 Mr. & Ms. Photogenic  
 Branch Photography/Club Photography

### SARJANA - the Institute's Magazine

Hindi Diwas Samaroh  
 Sarjana Sahitya Parsanawali  
 Vaitalik  
 Sketch Based Article Competition

### SOCIETY OF AUTOMOTIVE ENGG.

Team wonders developing indigenous all terrain vehicle.  
 Design approved in top 80 out of 187 participating colleges.  
 Planning for development of formula one racing car.  
 Workshop for technical development.

### INSTITUTION OF ELECTRONICS & TELECOMMUNICATION ENGG

Tech-Udbhav  
 World Telecommunication Day Celebration  
 Seminar/Workshop  
 Robotics/software Contest

# Achievements & Plans

## Our Ranking

YEAR	RANKING AGENCY	RANK	REMARK	ISSUE
2010	OUTLOOK SURVEY	1	ALL INDIA - RETURN ON INVESTMENT CRITERIA. RETAINING THIS POSITION SINCE 2009	JUNE 28, 2010
2010	OUTLOOK SURVEY	33	ALL INDIA	JUNE 28, 2010
2010	COMPETITION SUCCESS REVIEW	20	ALL INDIA	AUG, 2010
2009	DATA QUEST	88	ALL INDIA	OCT, 2009
2008	OUTLOOK SURVEY	28	AMONG GOVT. ENGG. COLLEGES OF INDIA	JULY 14, 2008

## Achievements

1. Accreditation of all 10 UG Courses.
2. Regularization of PG Courses.
3. E-Library with facility of online journals and books.
4. Creation of center for continuing education.
5. 100% placement of eligible students.
6. Excellent performance in All India Exams by students.
7. Construction of New IT building.
8. Encouragement for R&D work.
9. Conduct of 4 national seminar/workshop and conduct of several other workshop..
10. Networking with neighboring reputed institution (ISMU Dhanbad, BIT Mesra, etc)

## Future Plans

1. Introduction of PG Courses in other 5 Engineering Disciplines and also in science & Humanities
2. Introduction of Interdisciplinary PG & Research work.
3. Introduction of other Courses such as MCA, MBA etc.
4. Quality class Room Teaching bu using modern tools.
5. Emphasis on R&D Work including obtaining of patents.
6. Taking up of Major State/Central Govt. & other Projects
7. Accreditation of five PG courses.
8. Conversion into Deemed university.
9. Networking with some IIT's and leading foreign technical institutions.
10. Best Academic/ Residential and other infrastructure facilities in order to have conducive environment for learning.
11. Better co-curricular & extra curricular activities.
12. Facelifting of entire institution.
13. Running various collaborative programmes.
14. Consultancy services.
15. Setting up of Industry Institute Interaction cell.

# Our Esteemed Alumni

Mr. Kalimullah  
Nuclear Engineer  
Argonne National Laboratory  
U.S.A.

K.A.P. Singh  
Ex. Director  
SAIL

Inder Singh Namdhari  
First Speaker  
Jharkhand Assembly

Anand Mohan Awasthy  
General Manager(Commercial)  
General Electric  
New Delhi

Rajesh Ranjan  
Chief Power engineer  
Quesnel Plywood  
Canada

Dr. J.C. Mishra  
Ex. Chief Executive  
L&T, Chinoda LTD.  
Vadodra

Sanjay Sinha  
Construction Manager  
CHEVRON Corporation  
U.S.A.

Dr. Ram Sharan Tiwaree  
Economic Affair Officer  
United Nation Economic & Social  
Commission for Asia

S.B. Ganguly  
Ex. Chairman cum-Managing Director  
Exide India Ltd.

Ashwani Kr. Raina  
Dy. G.M. (Business &  
Development)  
Essar Steel Ltd.

Neeraj Kumar  
Specialist Mining Engineer  
Modular Mining System Pty. Ltd.  
Australia

K. Satyanarayana  
Ex. CMD  
Engineers India Ltd.

Sunil Kr. Thakur  
Founder & CEO  
WahIndia  
U.S.A.

Vinod Kumar Choudhary  
Executive Director(CNS-OM)  
Airport Authority of India  
New Delhi

N.P. Dwivedi  
Senior Scientist  
NASA  
USA

B.N Singh  
Ex. CMD  
Vizag Steel Plant

Awadhesh Prasad  
Cap Management Engg.  
Australia

Suresh Jha Ajit  
Senior Scientist  
NASA  
USA

B.K. Jha  
D.G.M. NTPC Ltd.  
Vidutya Nagar, Dadri.

K.K. Thakur  
Chief Manager  
PGCIL, Gwalior

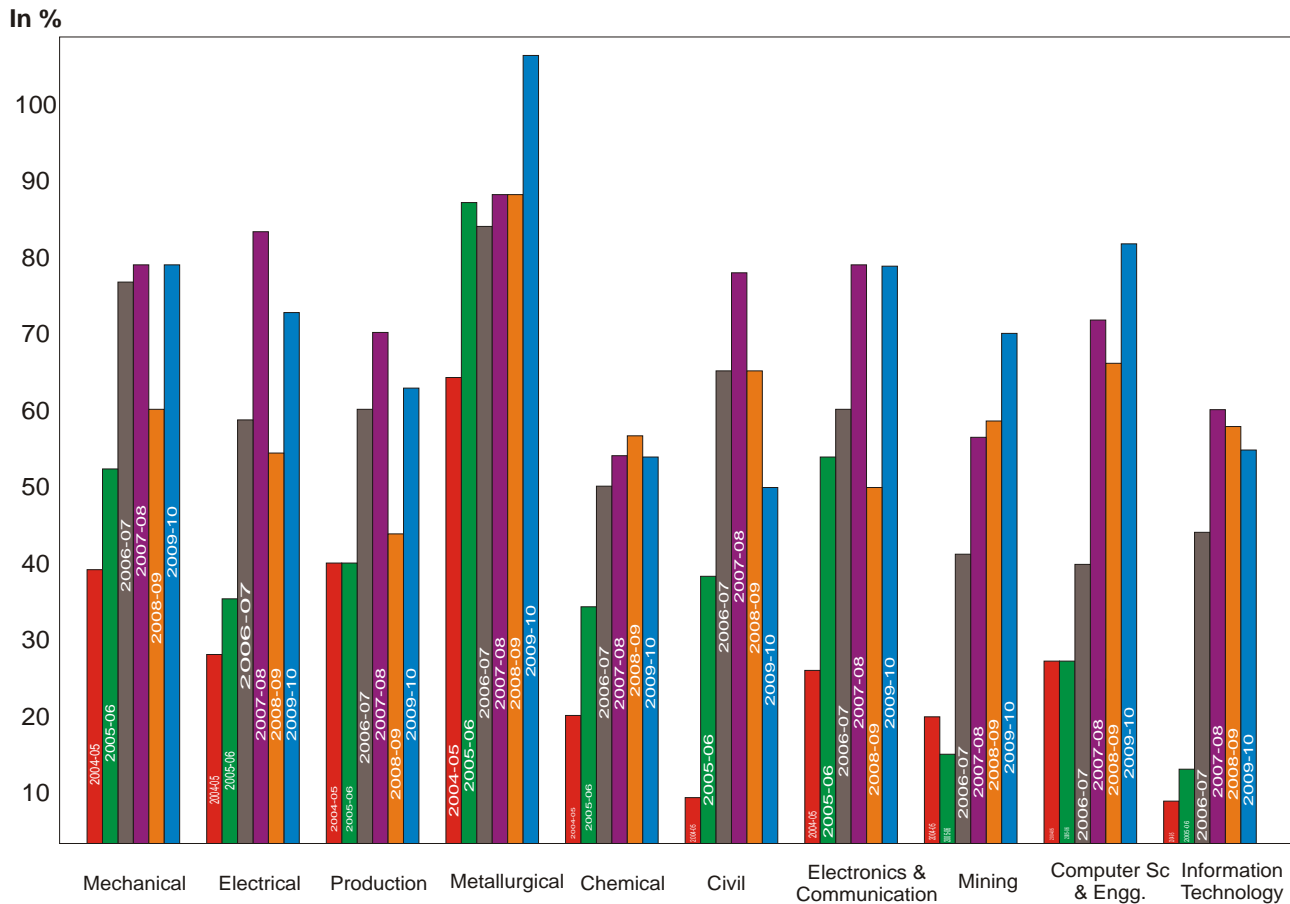
H.C.P. Sinha  
Ex. Director Technical  
R.F.C. Bombay

C.K. Basu (IAS)  
Ex. Secretary  
Dept. of Health, Govt. of Bihar

N. Sharma  
Ex. Vice President  
Dani Bosworth, USA

P.S. Saran  
Ex. Member (Services) & Ex. Officio Secy.  
Govt. of India

# Placement Record



## PLACEMENT DETAILS (DISCIPLINE WISE) (2004 - 2010)

Discipline	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Mechanical	23/60	31/60	79/105	81/105	63/110	81/110
Electrical	17/60	21/60	58/99	83/99	54/105	72/105
Production	12/30	12/30	32/54	38/54	23/60	33/60
Metallurgical	19/30	26/30	45/54	48/54	48/60	57/60
Chemical	09/45	15/45	45/91	48/91	51/98	48/98
Civil	05/55	21/55	64/98	76/98	64/105	49/105
ECE	08/30	16/30	31/52	41/54	26/60	41/60
Mining	05/25	04/25	20/49	27/49	29/55	34/55
CSE	04/15	04/15	15/38	27/38	25/42	31/42
IT	03/40	05/40	17/40	24/40	23/44	22/44
<b>Total</b>	<b>105/390</b>	<b>155/390</b>	<b>406/680</b>	<b>493/680</b>	<b>406/739</b>	<b>468/739</b>

# Our Recruiters

Our Recruiters



# Contact Us

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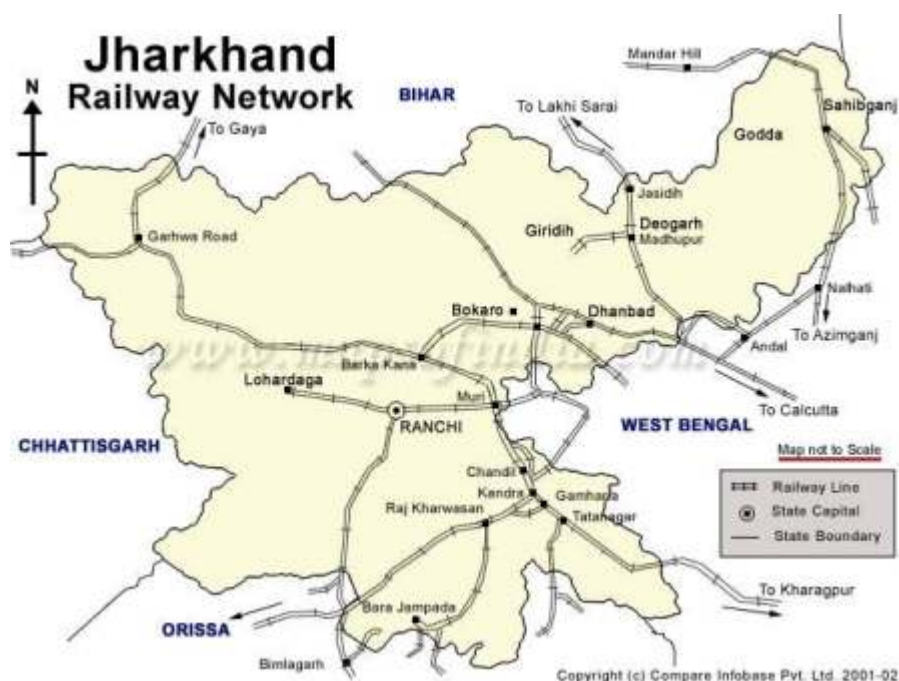
## Location

The Institute is in the Dhanbad district of Jharkhand and its nearest Railway Station is Dhanbad Jn. which is 259 kms from Howrah on Howrah Delhi Grand Chord section. From Dhanbad, B.I.T. Sindri can be approached through the Dhanbad Sindri Road and it is about 45 minutes drive ( 26 kms ) from the railway station ( Dhanbad Jn ).

## Nearest Air Port

Ranchi Air Port :200 kms

Dum Dum International Air Port :260 kms ( Kolkata )





## **B.I.T. SINDRI**

DEPTT. OF SCIENCE & TECHNOLOGY  
( GOVT. OF JHARKHAND )

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