

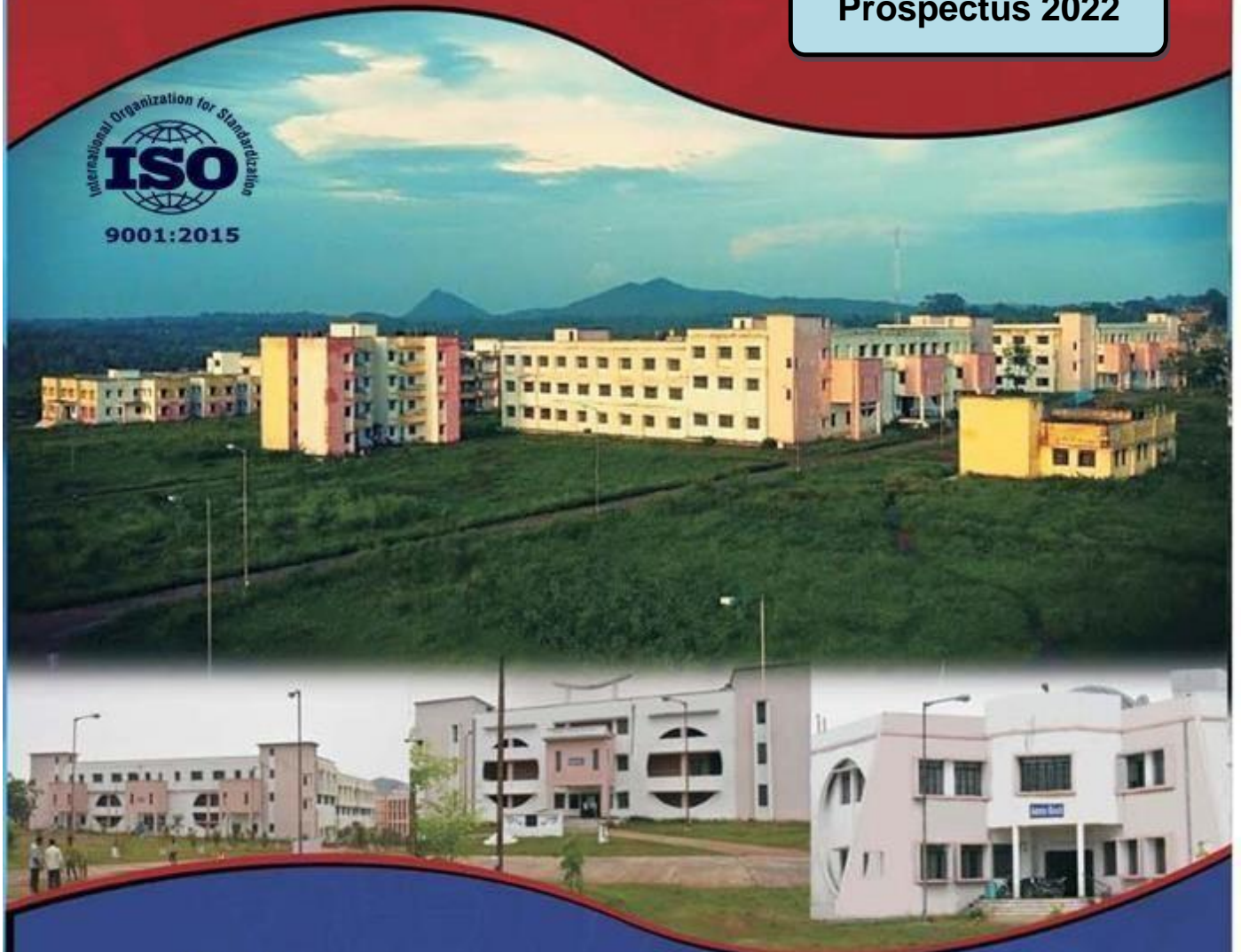


Dumka Engineering College

Estd. by Govt. of Jharkhand Run by Techno India under PPP

Approved by AICTE, New Delhi. Affiliated to Sidho Kanhu Murmu University, Dumka

Prospectus 2022



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ABOUT
**TECHNO
INDIA**



Techno India Group, being the largest academic conglomerate of Eastern India is delivering Across the country. Excellence is not only the group. We are relentless in our pursuit of excellence. From kindergarten to post graduate education, Our students experience the very best. The comprehensive, structured and state-of-the-art curriculum makes our students ready for all the challenges of life. Our illustrious alumni engaged in successful corporate or academic careers are testimonies to our accomplishments.

Over the years, the Techno India Group has vastly expanded its academic offering, which currently include degrees in Engineering , Science & Technology and Management Studies. The Group has also ventured out in areas that complement our efforts in academics, namely in health care, hospitality, sports, entertainment, newspaper, advertising and tourism,

We believe in the power of dream, and we strive to transform dreams into reality.



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ABOUT AICTE



All India Council for Technical Education (AICTE) was set-up in November 1945 as a national level Apex Advisory Body to conduct survey on the facilities on technical education and to promote development in the country in a coordinated and integrated manner. And to ensure the same, as stipulated in, the National Policy of Education (1986), AICTE be vested with statutory authority for planning, formulation and maintenance of norms and standards, quality assurance through accreditation, funding in priority areas, monitoring and evaluation, maintaining parity of certification and awards and ensuring coordinated and integrated development and management of technical education in the country.

Technical education in India contributes a major share to the overall education system and plays a vital role in the social and economic development of our nation. In India, technical education is imparted at various levels such as: craftsmanship, diploma, degree, post-graduate and research in specialized fields, catering to various aspects of technological development and economic progress.

Ragging as Crime

'Ragging' means the doing of any act which causes, or is likely to cause any physical, psychological or physiological harm of apprehension or shame or embarrassment to a student, and includes

- Teasing or abusing of playing Practical joke on, or causing hurt to any student.
- Asking any student to do any act, or perform anything, which he/she would not, in the ordinary course, be willing to do or perform.

According to the directions of the Supreme Court if any instance of ragging is brought to the notice of the administration or the faculty, it is legally binding on us to report the matter to the Local Police.

ABOUT GOVT. OF JHARKHAND

- The 28th state of the Indian Union was brought into existence by the Bihar reorganization Act on November 15, 2000- the birth anniversary of the legendary Bhagwan Birsa Munda. Jharkhand is famous for its rich mineral resources like Uranium, Mica, Bauxite, Granite, Gold, Silver, Graphite, Magnetite, Dolomite, Fireclay, Quartz, Feldspar, Coal (32% of India), Iron, Copper (25% of India) etc. Forests and woodlands occupy more than 29% of the state which is amongst the highest in India.



About Dumka

Dumka is one of the oldest districts of Jharkhand state under Santhal Pargana. This homeland of tribal is full of stunning landscapes, majestic mountains, verdant valleys and serpentine rivers. Dumka District is at 86 16" North latitude and 87 15" East longitude. It is situated at the height of 472 ft from the sea level. The District has an area of 3716.02 Sq.KM. and consists of only one sub division namely Dumka. Under Dumka sub division, there are 10 blocks namely Dumka, Gopikander, Jama, Jarmundi, Kathikund, Masaliya, Ramgarh, Raneshwar, Shikaripara and Saraiyahat. Dumka has predominantly undulating terrain with hard rocks in the underground. Entire District has a topography with high ridges and valleys bounded by mountains.



Jharkhand University of Technology, Jharkhand



As we know India is witnessing the age of science and technology. There is huge demand for technical education in modern age. The pattern of life evolving in this age is very much different from the one we would find in our society even some fifty years back. Technical Education imparts knowledge of specific trade, craft or profession.

General education has been substituted by professional technical education in many cases. Technical education offers good opportunity for employment and successful career.

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Technical Education can meet the expanding demands of expanding society and to meet its multiplying demands. The industries, mechanized systems and scientific research centers all over the world prove beyond doubt that our tie with the past is snapped and instead of bare hands we must use machines and technological devices for all-round development and regeneration of human society.

Here Jharkhand Technical University trying to open up gate for Technical Students to enrich themselves along with human society.

Address:

Jharkhand Technical university, Jharkhand

Sirkha Toli, Science & Technology Campus (In front of Military Campus),

Namkum-Tupudana Road, Ranchi, Jharkhand 8340101



Dumka Engineering College

(Estd. by Govt. of Jharkhand & Run by Techno India under PPP)

Courses Offered -

- Civil Engineering
- Computer Sc. & Engineering
- Electrical Engineering.
- Electronics & Communication Engineering
- Mechanical Engineering



- More than 40 high tech Laboratories.
- The Library provides students with access to a vast collection of books and journals and digital learning services.
- High-speed Wi-Fi services
- Separate hostel facilities are provided for Boys and Girls with canteen.
- Power Back up- 24x7 generator facility
- College appointed separate security agency & housekeeping agency.
- Recreation facility like Football, Cricket, Volleyball, Carom and so many indoor and outdoor games.
- Ambulance service for students and all staffs. Separate aqua guards are installed in Girls and Boys Hostel.

TEQIP-3

Technical Education Quality Improvement Programme





Dumka Engineering College

(ESTD. BY GOVT. OF JHARKHAND &
RUN BY TECHNO INDIA UNDER PPP)

ABOUT US

Dumka Engineering College is as an Institution under Public Private Partnership between the Government of Jharkhand and Techno India. The engineering college will provide admission to some reserve seats for students from Jharkhand and the rest will be open for students from other states. The college constructed by Department of Science and Technology, Jharkhand and will be managed by the Techno India Group.

Dumka is a district headquarters. It is around 260 kms from the state capital Ranchi. The College is situated around 2 km away from the bus stand and 0.5 km away from railway station, Dumka.

At present the college is running UG engineering academic session with Computer Science & Engineering, Mechanical, Electrical, Civil and Electronics & Communications discipline of Engineering.

Vision

To impart quality education in the field of engineering and technology with a view to produce dynamic and global engineers with social commitment and finally emerge as one of the most acclaimed centres of excellence in the country.

Mission

- ❖ To impart education of the highest quality in engineering and technology.
- ❖ To build one of the best Industry-Academia interfaces to leverage the best collaborative output in terms of quality training, project management, research and consultancy.
- ❖ To provide ethical and value based education.
- ❖ To create an atmosphere, which identifies innovative and entrepreneurial minds across the students' community and finally produces future leaders, innovators, entrepreneurs and good human being.



Fee Structure

- All Fees for Free Seat Category are as per the Govt. norm
- All Fees for the Payment seat fees are as per the notification No FFC/335 dated 21/06/2017 of Fee fixation committee; Department of Higher, Technical Education and Skill Development, Govt. of Jharkhand
- All Fees will be through DD only. In no case any Cash payment will not be allowed.
- Fees once paid will be refunded only against written application and as per AICTE norm only.
- Apart from the Tuition Fee the other Optional fees like Hostel Fees, Mess Charge, Bus Charges etc may be charged if applicable. University Fee / SBTE Fee / Any.
- Govt. Fees / Taxes are additional if applicable.

For Admission

Call or 

+91 8051221667

+91 8617263690

**LOOKING
FOR SMART
EDUCATION!**



Start looking for ...

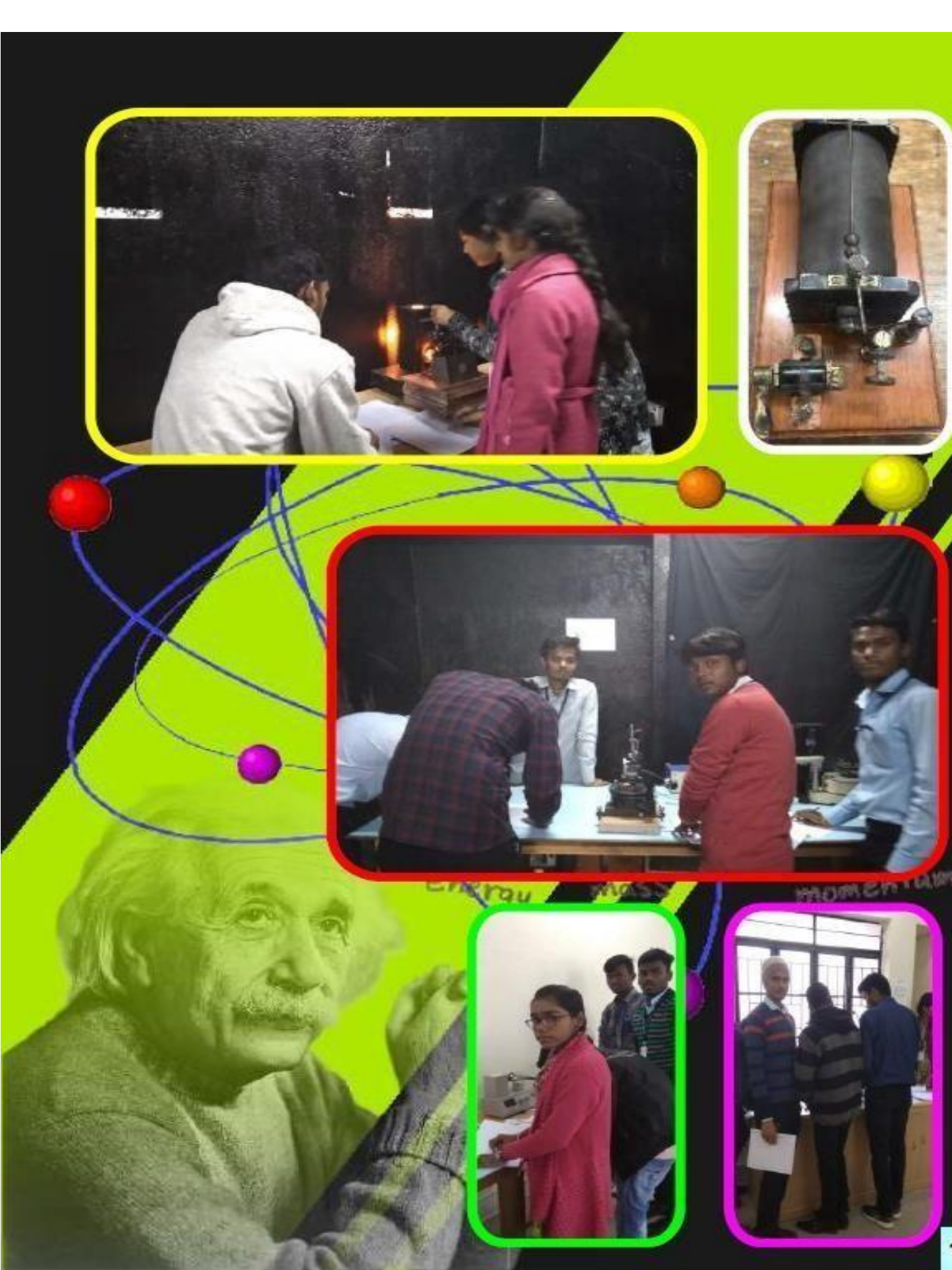
Techno India Group



EDUCATION

Welcome
To

Dumka Engineering College





CIVIL ENGINEERING DEPARTMENT

PROFILE AND OBJECTIVES

The Civil Engineering Department administers a Civil Engineering program that will produce graduates who are ready to work, high in quality, skilled in Civil Engineering and are professional in nature. The department of Civil Engineering ensures that the Students have the opportunity to work with latest equipment both in the laboratories and while on project with various construction companies in and around the city.

The educational objectives for Civil Engineering program are designed to produce competent engineers who are ready to contribute effectively to the advancement of civil engineering causes and to accommodate the needs of the community. These objectives are as follows:

- To provide students with the necessary skills and practical experience to fulfill their professional duties and responsibilities in teamwork, ethics, technical leadership, business acumen and lifelong learning.
- To mould the students to become future engineers, scientists, researchers, and innovators and make substantial contributions to the society of civil engineers.
- To prepare the students to be successful engineers or managers meeting the global industrial requirements.

LABORATORY

- Surveying Lab
- Solid mechanics lab
- Geotechnical lab
- Fluid mechanics lab
- Engineering drawing lab
- Concrete lab
- Geology lab
- Highway Lab





Computer Science Engineering

PROFILE AND OBJECTIVES

Our goal has been and continues to be a high quality degree program that ensures that students will be able to integrate theory and practice, recognize the importance of abstraction and appreciate the value of efficient design created to meet clearly developed requirements. The program is intended to prepare students for lifelong learning as they undertake professional careers in computing.

Students will be able to solve problems using algorithms and techniques. They will have sufficient understanding of the theoretical underpinnings of Computer Science such that learning a new programming language, operating system, or information system will be viewed as a routine matter — something that can be done in 2 – 3 days. Additionally, students will graduate with the ability to communicate well, both orally and in writing. Students will graduate with the ability to work well in a multi-disciplinary environment. Finally, students will graduate with an understanding of the context of their skills within a broader academic and applied environment.

Specifically, the core objectives are to ensure that students graduate with:

Robust problem-solving skills.

Substantial knowledge of a broad class of problem-solving techniques (e.g.; this includes Algorithms, heuristics, and design techniques).

Substantial understanding of the fundamentals of Computer Science.

Ability to clearly communicate technical concepts both orally and in writing.

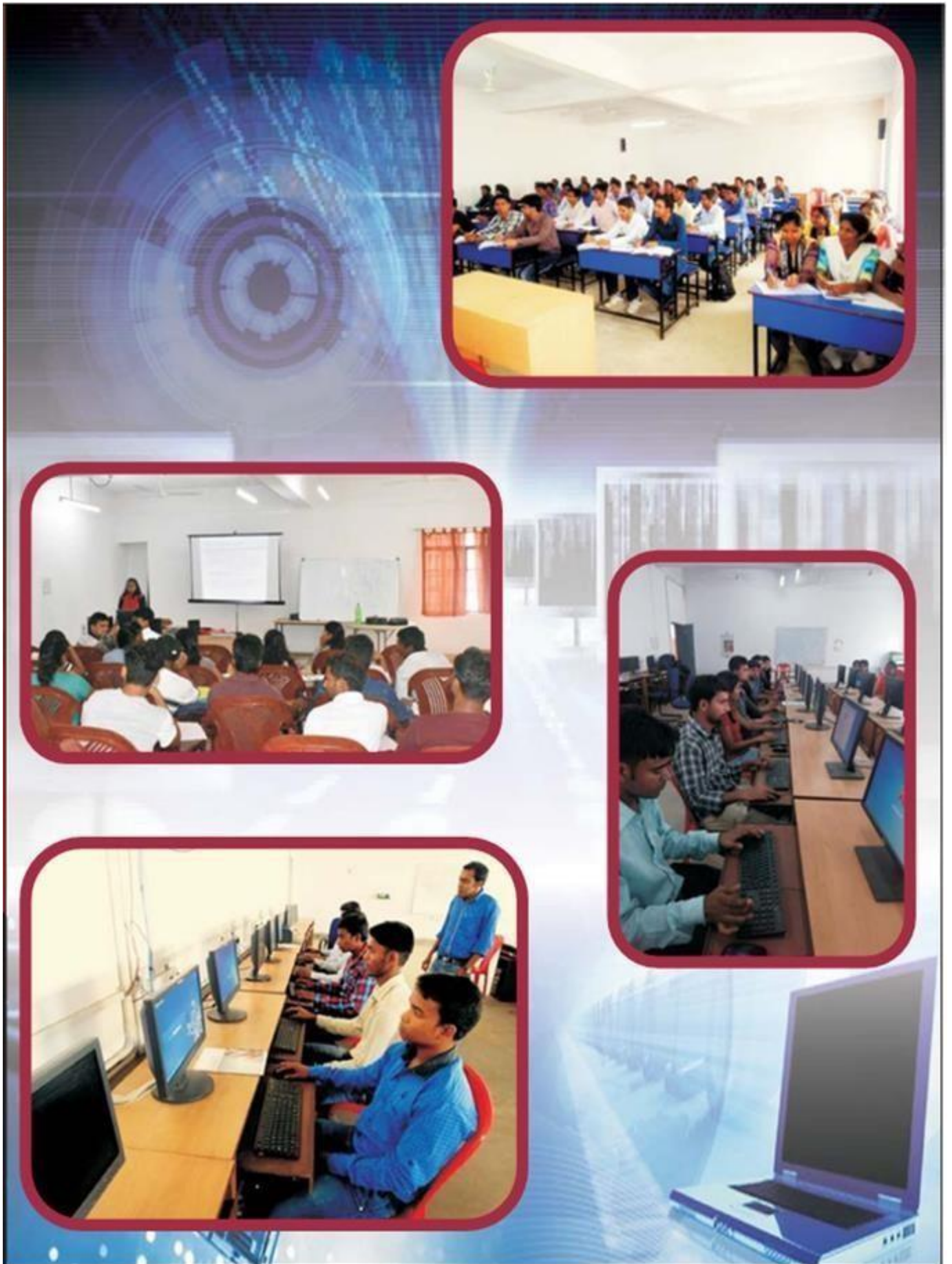
Ability to readily work with other disciplines.

Appropriate, occasional innovation of our curriculum so it incorporates ever-changing Computer Science technology.

LABORATORY

- ❑ Computer Programming Lab
- ❑ Non-Departmental Application Lab.
- ❑ Object Oriented and DBMS Lab
- ❑ Project Planning Lab.
- ❑ CSE Projector Room (Interactive sessions)





Electrical Engineering

PROFILE AND OBJECTIVES

The mission of the department is to offer quality instruction and undertake scholarly research that engages each student in a challenging electrical engineering education and prepares graduates for the full range of career opportunities in the high technology marketplace, enabling them to reach their fullest potential as a professional and as a member of society.

The educational objectives of the electrical engineering department undergraduate program are to enable graduates to:

- ¾ Be successful in understanding, formulating, analyzing and solving a variety of electrical engineering problems
- ¾ Be successful in designing a variety of engineering systems, products or experiments
- ¾ Be successful in careers and/or graduate study in engineering or other areas such as, business, medicine and law
- ¾ Have the ability to assume leadership and entrepreneurial positions
- ¾ Successfully function and communicate effectively, both individually and in multi-disciplinary teams
- ¾ Understand the importance of lifelong learning, ethics and professional accountability

LABORATORY

- ☐ Basic Electrical laboratory
- ☐ Electric Circuit Theory lab
- ☐ Measurement lab
- ☐ Electrical Machines lab
- ☐ Power Systems Lab
- ☐ Control Systems Lab
- ☐ Power Electronics Lab
- ☐ Electrical Drives Lab
- ☐ System Design Lab





Electronics and Comm. Engineering

PROFILE AND OBJECTIVES

The Electronics & Communication Engineering Department administers a Electronics Communication Engineering program that will produce graduates who are ready to work, high in quality, skilled and are professional in nature. The department of Electronics & communication Engineering ensures that the Students have the opportunity to work with latest equipment both in the laboratories and while on project with various industries. They also able to work on Hardware & software industries.

The educational objectives for EC Engineering program are designed to produce competent engineers who are ready to contribute effectively to the advancement of Electronics Communication engineering causes and to accommodate the needs of the community. These objectives are as follows:

- To provide students with the necessary skills and practical experience to fulfill their professional duties and responsibilities in teamwork, ethics, technical leadership, business acumen and lifelong learning.
- To mould the students to become future engineers, scientists, researchers, and innovators and make substantial contributions to the society of civil engineers.

To prepare the students to be successful engineers or managers meeting the global industrial requirements.

LABORATORY

- Basic Electrical Lab
- Analog & Digital Electronics Lab
- Communication Theory
- Circuit Theory Lab
- Electromagnetic Lab
- Solid State Physics Lab
- Microprocessor & Micro Controller Lab
- Microwave Lab
- Signal And System Lab |





Mechanical Engineering

PROFILE AND OBJECTIVES

The Mechanical Engineering Department at Dumka Engineering College is one of the largest in terms of faculty, students, and activities, continues to lead and expand its activities in various directions. The Department is known for research and projects in fluid dynamics, heat pumps, I. C. Engines, Combustion, CAD-CAM and other areas. Experimental and computational facilities are being continuously upgraded.

To imparting highest quality education to the students to build their capacity and enhance their skills to make them globally competitive mechanical engineer.

Now-a-days the scope of mechanical engineering is expanding beyond its traditional boundaries and is more of inter-disciplinary in nature. Mechanical engineers are focusing their attention towards new areas such as nanotechnology, development of composite materials, biomedical applications, and environmental conservation. With this shift in paradigm the new job avenues have been opened for the mechanical engineers. Further with the call of Make in India given by Hon'ble PM of India the manufacturing sector shall be empowered and big players are going to setup their manufacturing plants in India. Mechanical engineering is one of the oldest branches of engineering, dating back to when the first wheels were put to practical use by mounting them on an axle to make a cart. Throughout recorded history, people have been inventing and building increasingly more sophisticated devices and machines in order to improve the conditions of life.

LABORATORY

- Mechanical work Shop & Manufacturing Lab
- Applied Mechanics Lab
- Applied Thermodynamics Lab
- Strength of Materials Lab
- Heat & mass Transfer Lab
- Fluid Mechanics & Hydraulics Lab
- Metrology & Measurement Lab
- Material Testing Lab
- Thermal Engineering Lab
- Refrigeration and Air conditioning Lab
- I C engine Lab
- Dynamics of Machine Lab





Placement Success Story

We provides 100% placement assistance for each Student, with starting from finishing school programs To regular aptitude class taken by internal and external Faculties, for 2018 passing out batch we have achieved A praiseworthy success, as those below mentioned Employers shown interest of our students -

- Microsoft
- Directi
- TCS
- Edge Telecom
- Net2Source
- PERSISTENT Systems
- BYJU'S
- JB Glass
- TECH FERRY
- MPhasis
- Tosa International
- Gulati Auto Electricals



And many more ...

Full time team of training & placement experts, eminent academicians, industry resource persons, and the immensely successful centralized placement cell lend support and advice to students in order to help them secure excellent placement.

Along with those above MNCs, till date total 18 MNCs arranged campus selection process for our 2019 pass out batch



Some of Our Students placed in various MNCs:



Many more, and still Counting ...



TEQIP III Institution:

TEQIP III

The TEQIP-III project will cover all Government Funded Or Aided engineering institutions of the state including Affiliating Technical University of the State, as per the eligibility criteria prescribed in project norms in two rounds of selections.

The Project, Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelveth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States (SCS) and support to strengthen few affiliated technical universities to improve their policy, academic and management practices – As per NPIU.

Under TEQIP III we Modified world class Engineering Laboratories Like:

- Ø Language LAB.
- Ø Solid State LAB.
- Ø MATLAB Network LAB.
- Ø Operating System LAB.
- Ø Environmental LAB.
- Ø Electric Drive LAB.
- Ø Analog Electronics LAB.
- Ø Surveying LAB.
- Ø Communication Theory LAB.
- Ø CAM LAB.
- Ø Concrete LAB.
- Ø Material Testing LAB.
- Ø Microwave Engineering LAB. etc.



Along with above mentioned Laboratories each of our laboratories are well equipped and Standardized as per AICTE.

More than 40 completely furnished laboratories of different departments are available at our Institute.

NPTEL Local Chapter:

Being a NPTEL Local Chapter our college is eligible to access all online and offline video lectures from Eminent professors of IITs and IISc. All the Remote lectures from them available on live streaming also.



NPTEL

**National Programme on
Technology Enhanced Learning**

- ★ **Currently We are running all the Online Courses from NPTEL**
- ★ **(MOOCS) in each semester.**
- ★ **Now we have 19 Registered Mentors for various courses.**
- ★ **At present we are one of the NPTEL's Examination Centers from Eastern region.**

TECHNO INDIA GROUP AT A GLANCE

Techno India Group is one of the largest and most acclaimed knowledge management groups in the world. Over the period of last 30 years, Techno India Group established 4 Universities, 22 Engineering Colleges, 2 up coming Medical Colleges, 3 Super Specialty Hospitals, 28 Public Schools, 30 High-End Research Labs in different countries including USA and Europe. Currently, we have about 70,000 Students, 5 lakhs alumni, 1.5 crore sq.ft. built up area, about 5000 Ph.D, M. Tech and Similar faculties. Techno India Group reached new milestones with excellence in technology Education and Placement of its 5 lacs Students in MNC's, for the last 30 years and getting pay package of over Rs. 12 lacs/ US\$ 100k per annum.



TECHNO INDIA GROUP AT JHARKHAND

Techno India Group is running these four Colleges association with Govt of Jharkhand in Chaibasa, Dumka, Ramgarh and Silli. The objective is to become the Best Engineering Colleges in Jharkhand. To achieve these aim, the World Bank through Govt of India had granted substantial financial grant to Chaibasa, Dumka, Ramgarh Colleges for Technical Quality Improvement. The Colleges are also going for Prestigious National Board of Accreditation in 2019-20 and 2020-21, for which Registration has been already done. Once we get the accreditation, our colleges will be within top 5% Engineering Institutions (which includes IITs, NITs) of India.

SOME OF OUR RECRUITMENT PARTNERS



