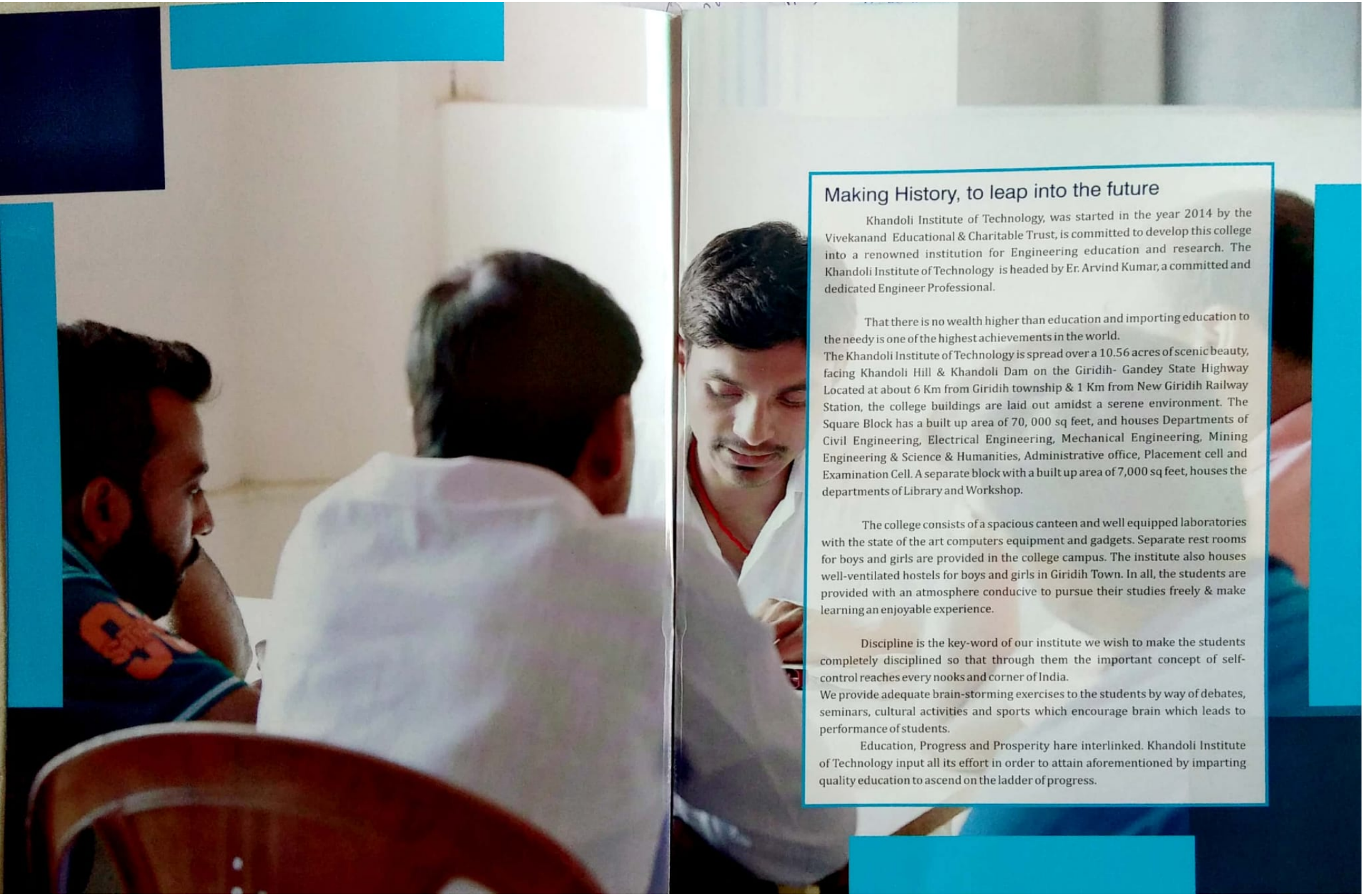
"Get here, Spread Everywhere"

Khandoli Institute of Technology

Approved by AICTE, New Delhi & Affiliated to JTU, Ranchi

CIVIL | ELECTRICAL | MECHANICAL | MINING

Contents



Making History, to leap into the future

Khandoli Institute of Technology, was started in the year 2014 by the Vivekanand Educational & Charitable Trust, is committed to develop this college into a renowned institution for Engineering education and research. The Khandoli Institute of Technology is headed by Er. Arvind Kumar, a committed and dedicated Engineer Professional.

That there is no wealth higher than education and importing education to the needy is one of the highest achievements in the world.

The Khandoli Institute of Technology is spread over a 10.56 acres of scenic beauty, facing Khandoli Hill & Khandoli Dam on the Giridih- Gandey State Highway Located at about 6 Km from Giridih township & 1 Km from New Giridih Railway Station, the college buildings are laid out amidst a serene environment. The Square Block has a built up area of 70, 000 sq feet, and houses Departments of Civil Engineering, Electrical Engineering, Mechanical Engineering, Mining Engineering & Science & Humanities, Administrative office, Placement cell and Examination Cell. A separate block with a built up area of 7,000 sq feet, houses the departments of Library and Workshop.

The college consists of a spacious canteen and well equipped laboratories with the state of the art computers equipment and gadgets. Separate rest rooms for boys and girls are provided in the college campus. The institute also houses well-ventilated hostels for boys and girls in Giridih Town. In all, the students are provided with an atmosphere conducive to pursue their studies freely & make learning an enjoyable experience.

Discipline is the key-word of our institute we wish to make the students completely disciplined so that through them the important concept of self-control reaches every nooks and corner of India.

We provide adequate brain-storming exercises to the students by way of debates, seminars, cultural activities and sports which encourage brain which leads to performance of students.

Education, Progress and Prosperity hare interlinked. Khandoli Institute of Technology input all its effort in order to attain aforementioned by imparting quality education to ascend on the ladder of progress.

Our Vision

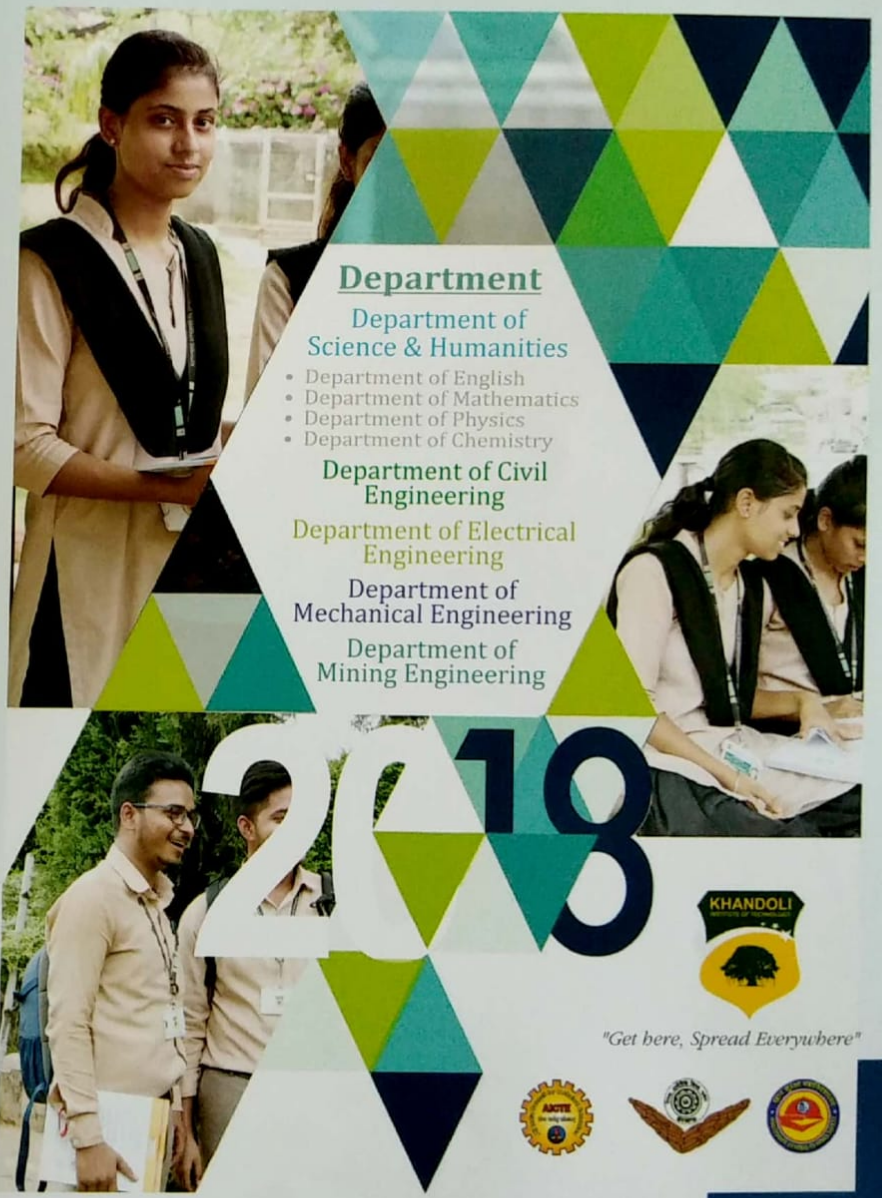
The vision of Khandoli Institution to ensure
as a self-governing academic community and enhancer
as a International academic community
in teaching and entrepreneurship.

Our Mission

The mission of Khandoli Institute of Technology is
to improve and enrich lines by assigning
lifelong education,
Training and workforce development
needs of the community it serves; to develop competent,
technically capable and innovation contributor to society.

Coursesoffered

- Diploma in Civil Engineering
- Diploma in Electrical Engineering
- Diploma in Mechanical Engineering
- Diploma in Mining Engineering



Department

Department of Science & Humanities

- Department of English
- Department of Mathematics
- Department of Physics
- Department of Chemistry

Department of Civil Engineering

Department of Electrical Engineering

Department of Mechanical Engineering

Department of Mining Engineering

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Science & Humanities

The Department of Science & Humanities was established in the year 2014. The Department of Science and Humanities, with faculty strength today of 10 members from English, Maths, Physics and Chemistry is handed by Mr. Chinmay Tiwary. The Department of Sciences and Humanities is continuing from the date of its inception with a mission of imparting teaching and promoting implementation of practical aspects of Sciences and Humanities to build a solid foundation as part of the Engineering Education. The department teaches basic subjects like English, Physics, Chemistry and Mathematics. These basic subjects serve as the foundation for imparting engineering education. MOST of us learn the theoretical aspects of science right through school. Applied Science differs from basic science because the latter seeks to describe the most fundamental objects and forces having less emphasis on practical applications. It includes testing a theoretical model through the use of formal science or solving a practical problem through the use of natural science.

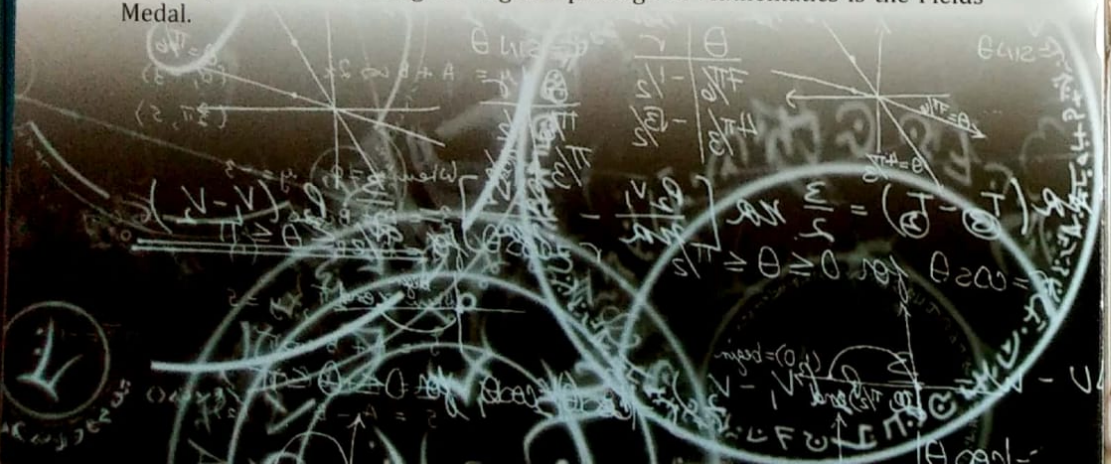
Department of Mathematics

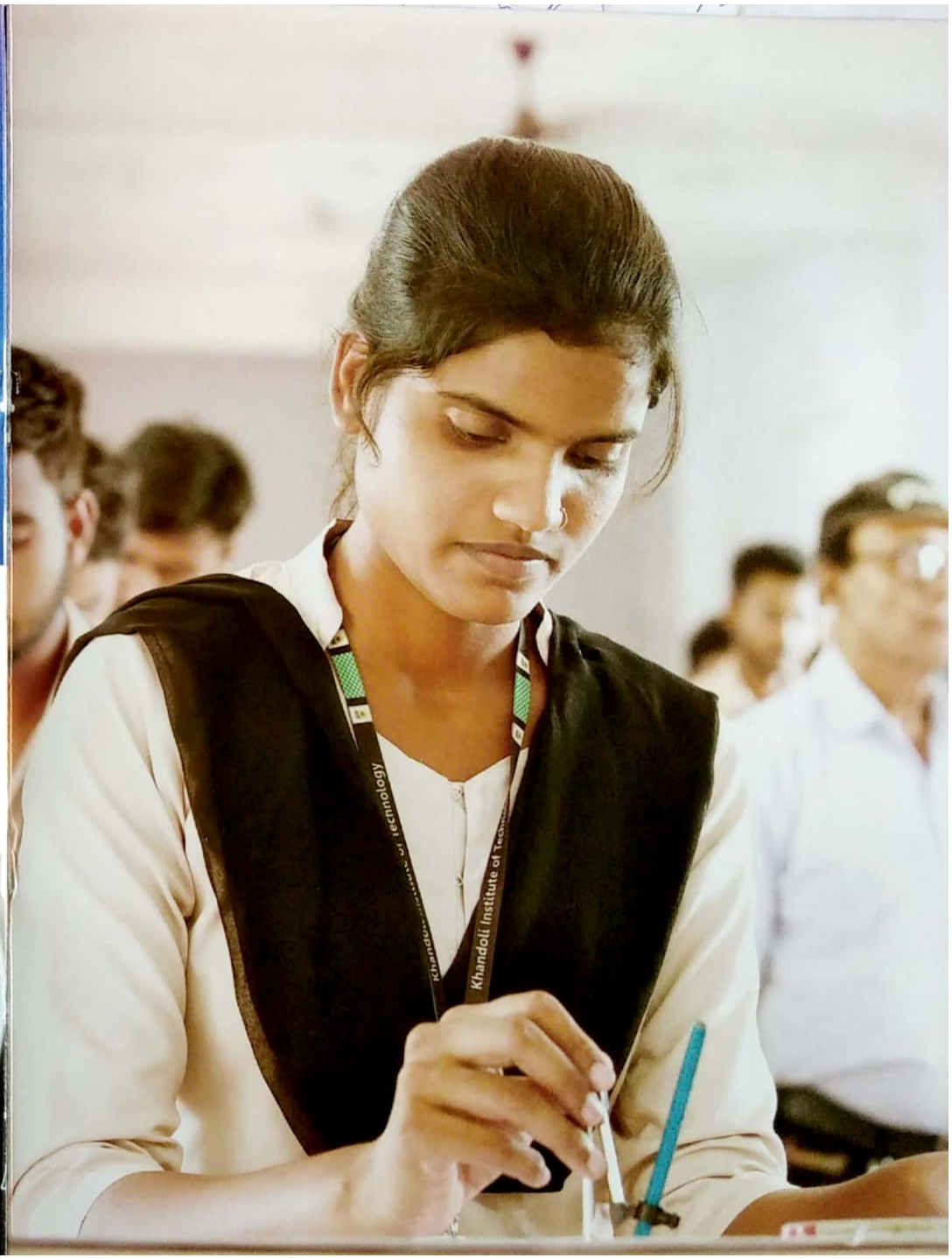
For life, now or in the future, one should meet and master formulas or methods for calculating areas, perimeters and volumes, and understand formulas or computation methods needed for loans, pensions and investments, for shop keeping or buying and selling with mark-ups or markdowns. This understanding should go beyond using the formulas. Most people learn mathematics until circumstances force them to stop, or until the subject becomes too hard or they lose interest.

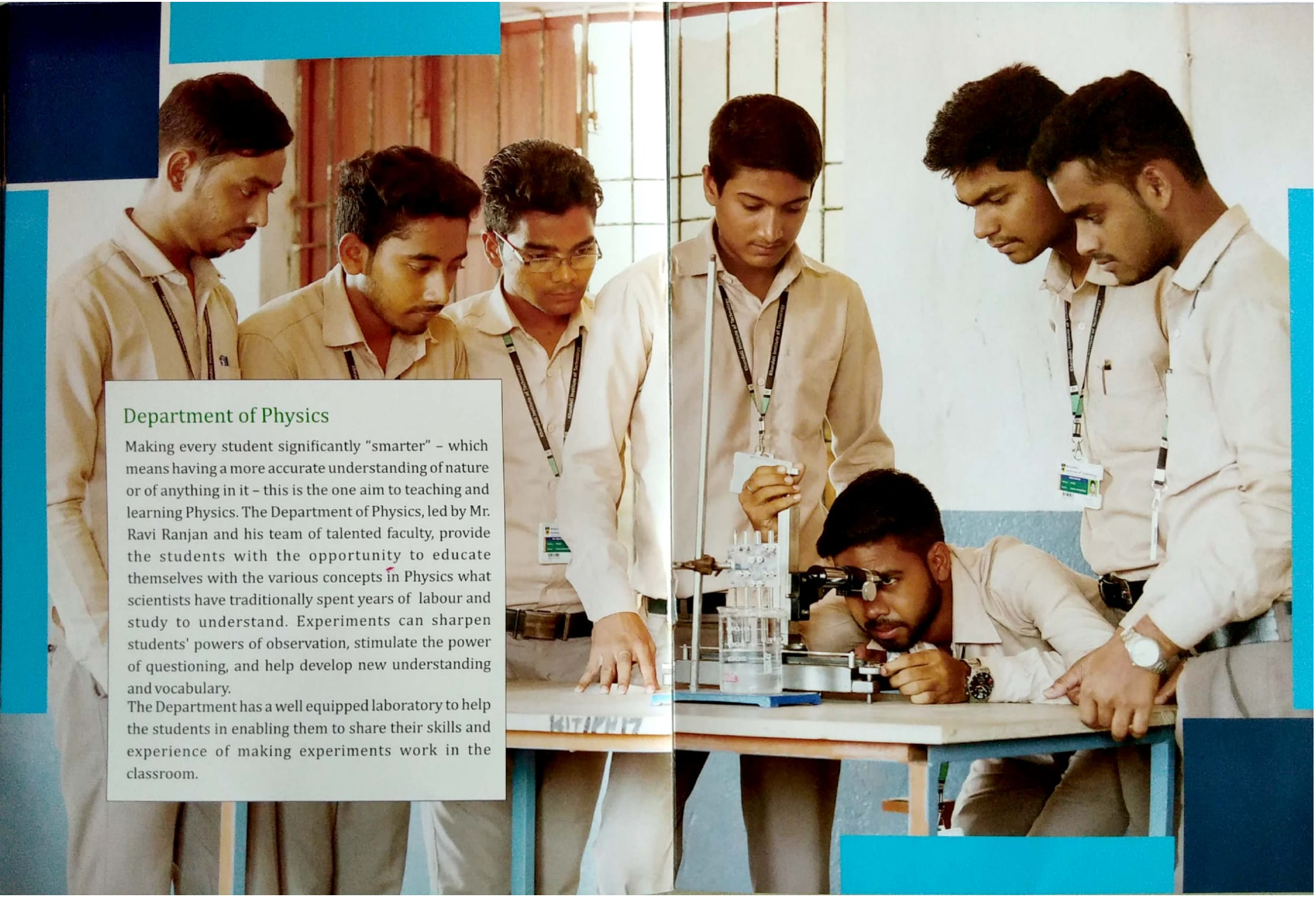
The Department of Mathematics, led by Mr. Binay Kumar along with his team of dedicated, experienced and well qualified staff members help students learn maths with less effort and greater interest.

Mathematics differs from natural sciences. The physical theories in the sciences are tested by experiments, while mathematical statements are supported by proofs which may be verified objectively by mathematicians. If a certain statement is believed to be true by mathematicians (typically because special cases have been confirmed to some degree) but has neither been proven nor disproven, it is called a conjecture, as opposed to the ultimate goal: a theorem that is proven true. Physical theories may be expected to change whenever new information about our physical world is discovered. New ideas in Mathematics don't falsify old ones but rather are used to generalize what was known before to capture a broader range of phenomena.

There are no Nobel Prizes awarded to mathematicians. The award that is generally viewed as having the highest prestige in Mathematics is the Fields Medal.







Department of Physics

Making every student significantly "smarter" – which means having a more accurate understanding of nature or of anything in it – this is the one aim to teaching and learning Physics. The Department of Physics, led by Mr. Ravi Ranjan and his team of talented faculty, provide the students with the opportunity to educate themselves with the various concepts in Physics what scientists have traditionally spent years of labour and study to understand. Experiments can sharpen students' powers of observation, stimulate the power of questioning, and help develop new understanding and vocabulary.

The Department has a well equipped laboratory to help the students in enabling them to share their skills and experience of making experiments work in the classroom.

Civil Engineering

Civil Engineering deals with the design, construction and the maintenance of the physical and naturally built environment, including works like roads, bridges, canals, dams and buildings. During the study, the student is enclosed to various subjects of Civil Engineering such as planning, drafting (both manual computer aided), surveying, estimation and costing construction technology, basis of the highway, railway, bridge, airport, tunnel and harbor engineering. The course also offers adequate exposure to reinforced concrete structures, quality control, material testing, construction management and entrepreneurship, professional practice and office procedures. Students also get zeal extenure survey, building drawing, irrigation and bridge drawing and structural engineering drawing. Students are also exposed to software like AUTOCAD & STAAD.

Civil Engineering will always be needed to construct new structures or maintain and repair existing facility and structures. So the demand for a Civil Engineering is never-ending.

Electrical Engineering

Electrical Engineering discipline that deals with electricity. It is one of the core branches of engineering. This discipline covers topics like generation and transmission of electricity, electrical systems and devices. Electrical engineering works in the design, development and maintenance of such devices, power plants and systems. Electricity and electrical machine are of use in most of the manufacturing and production. It is use to care of power transmission, power usage, power auditing, machine monitoring, machine maintenance etc.

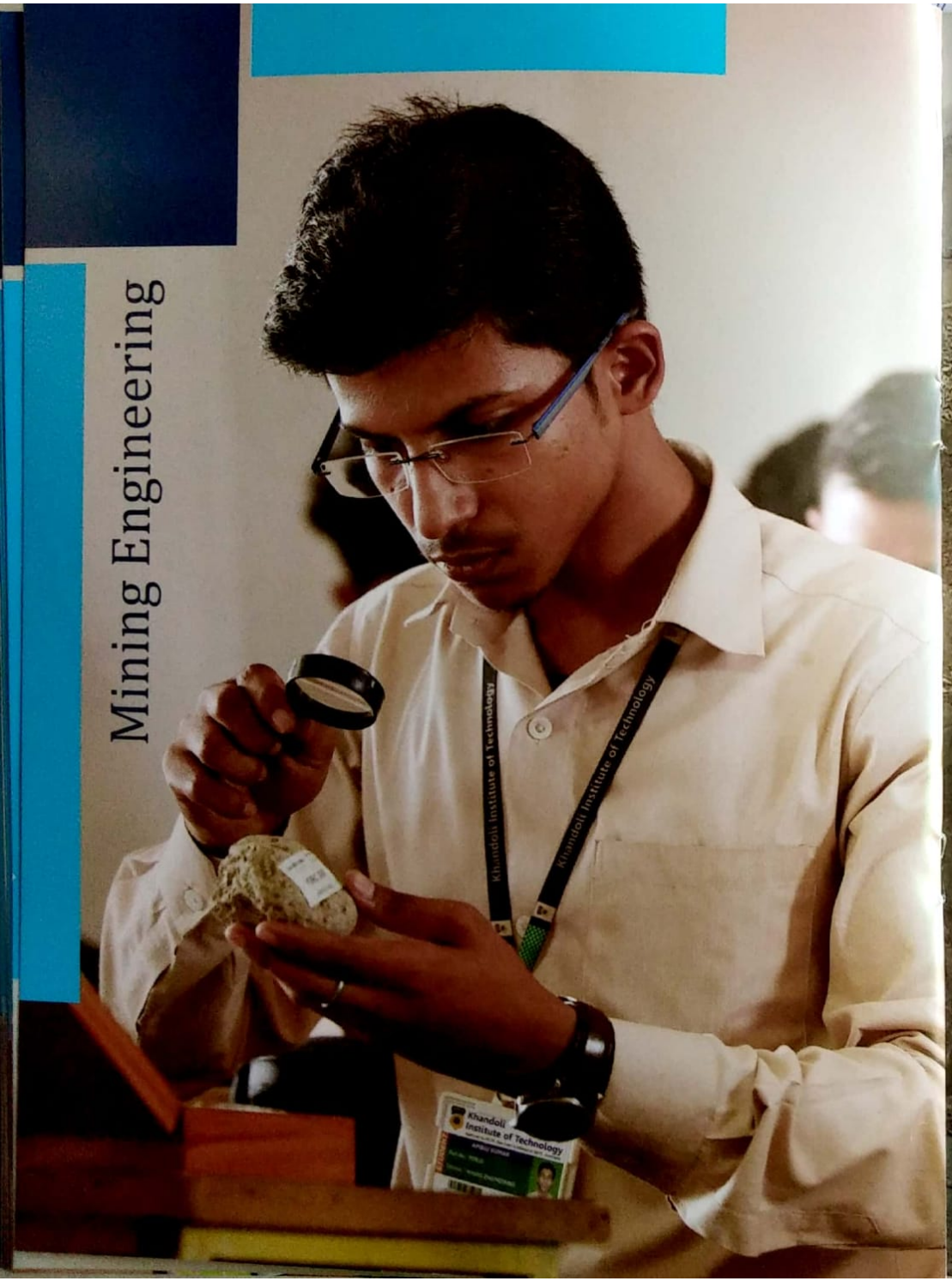
Studying Electrical Engineering will lead to potential careers in the area of Research & Development, design, system analysis, installation and commissioning, manufacturing, quality assurance and testing, information technology.

Mechanical Engineering

Mechanical Engineering is the branch of engineering with an everlasting scope. It is considered as the mother branch as it is one of the oldest engineering fields. Mechanical Engineers require a solid understanding of key concepts including mechanics, kinematics, thermodynamics, energy and manufacturing. They use these principles in the design and analysis of automobiles, aircraft, heating and cooling systems, buildings and bridges, industrial equipment and machinery and many more. It is one of the most extensive engineering disciplines, which combines principles from physics, engineering and materials science.

The program enables the students to take up career in a broad spectrum of industries. Students can seek job in private mechanical engineering companies as well as in government sector such as Technician, Clerk, Supervisor, Junior Engineer etc in railways.

Mining Engineering



Mining Engineering is an engineering discipline that applies science and technology to the extraction of minerals from the earth. Mining Engineering is associated with many other disciplines, such as geology, mineral processing and metallurgy, geotechnical engineering and surveying. A mining engineer may manage any phase of mining operations from exploration and discovery of the mineral resource, though feasibility study, mine design, development of plans, production and operations from operations to mine closure. Minerals like coal, petroleum, metallic minerals and non-metallic minerals can be extracted naturally.

In Mining Engineering, there are enormous job opportunities are available in public sector or government organization. Career scope in the field of teaching is also bright for candidates having degree in mining engineering. Mining engineering have a numerous career options. Arab counties like Soudi Arab Kuwait, Qatar and UK provide profitable career opportunities to the eligible candidates.

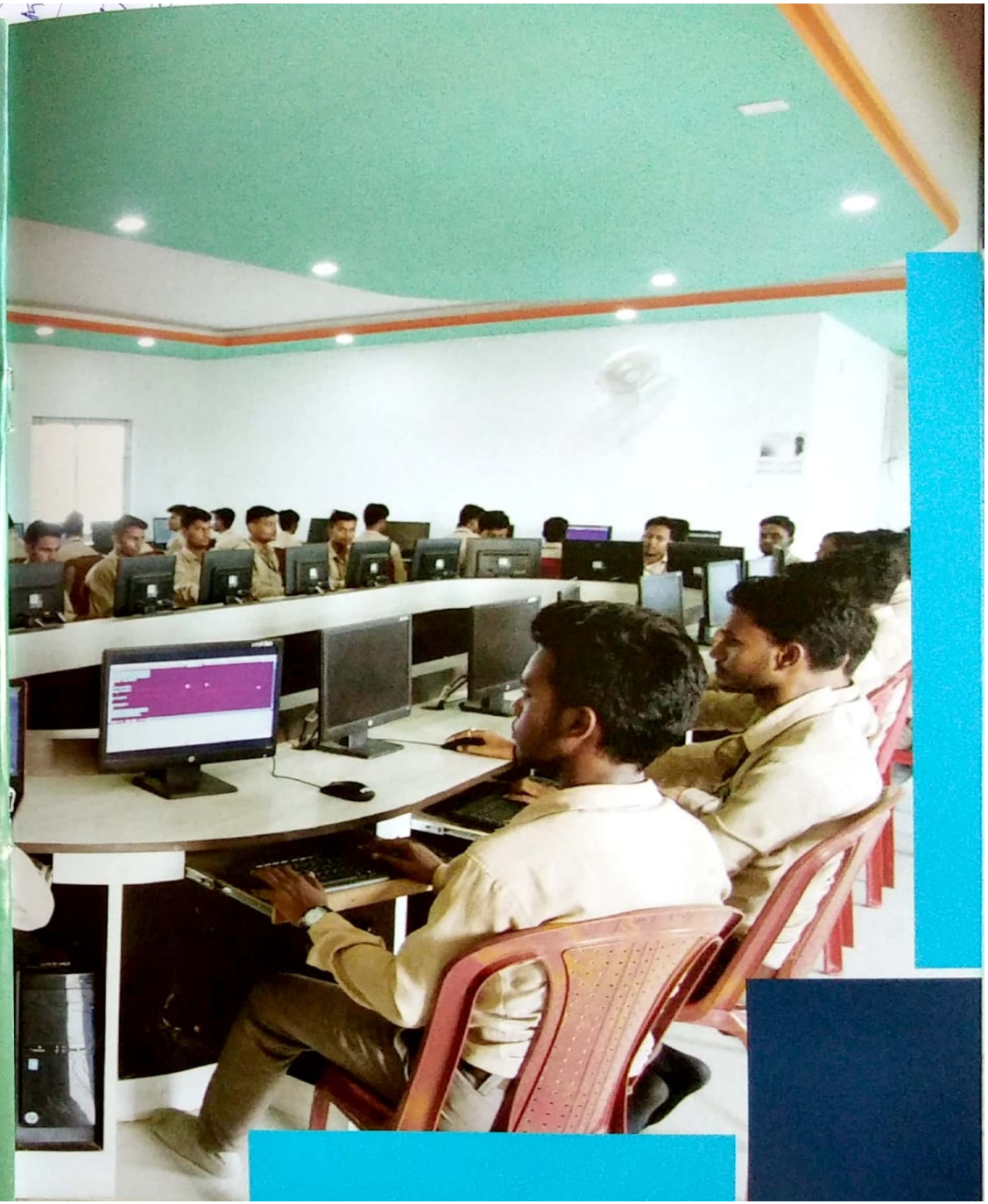
Computing&Internet

Students study the design of digital hardware and software systems including communications systems, and devices that contain computers. Computer is the study, design, development, implementation, support or management of computer-based particularly software applications and computer hardware. An important area within computing is the development of embedded systems. Devices such as cell phones, digital audio players, digital video recorders, alarm systems, x-ray machines, and laser surgical tools all require integration of hardware and embedded software, and are all the result of computer engineering.

The students interact freely with faculty on all matters related to studies and latest development in the field of information technology. Department of Computer sustains and strengthens its teaching and research program to provide students with inspiration and quality education in the theory and practice. The programs features the theory of computation, analysis of algorithms, computer programming, databases, computer graphics systems analysis, hardware and networking technologies, among others

The computer centre of this institute boasts of being called upon "The gateway across the globe". With over 100 computers, ready to take the students across the geographical boundaries of the land at a speed of 10Mbps dedicated internet leased line.

As a part of the curriculum, programs like C, C++, Auto cad, Java, Visual Basic, Computer Architecture, HTML, Office, and more make the student omnipotent and future ready thus contributing to the digital literacy program. The huge infrastructure is managed by an efficient and dedicated team Computer Department.



Dr. A.P.J Abdul Kalam Library

The institute Central Library is known as Dr. A.P.J. Abdul Kalam Library which serves as the perennial source of knowledge for the students as well as faculty members. Our Library is well equipped and well managed. Our library provides the reading materials in accordance with the curriculum of various disciplines to help students to grasp knowledge for examination purposes besides their general mental development. A very rich collection of books are maintained with a total collection of 2000 books .The collection is growing day by day on various current and emerging technologies related to various streams. Library is providing Book Loan, Reference service, Reprographic Service and Digital Library service to the Faculty members and students. Two books are issued to a student for 15 days. Five books can be issued by a Faculties. Our Library has a spacious reading room with all the necessary facilities along with a stand by generator. The Reference books and magazines are available in the Reading Room. The purpose of reference section is to provide reading materials which may be issued in circulation section.

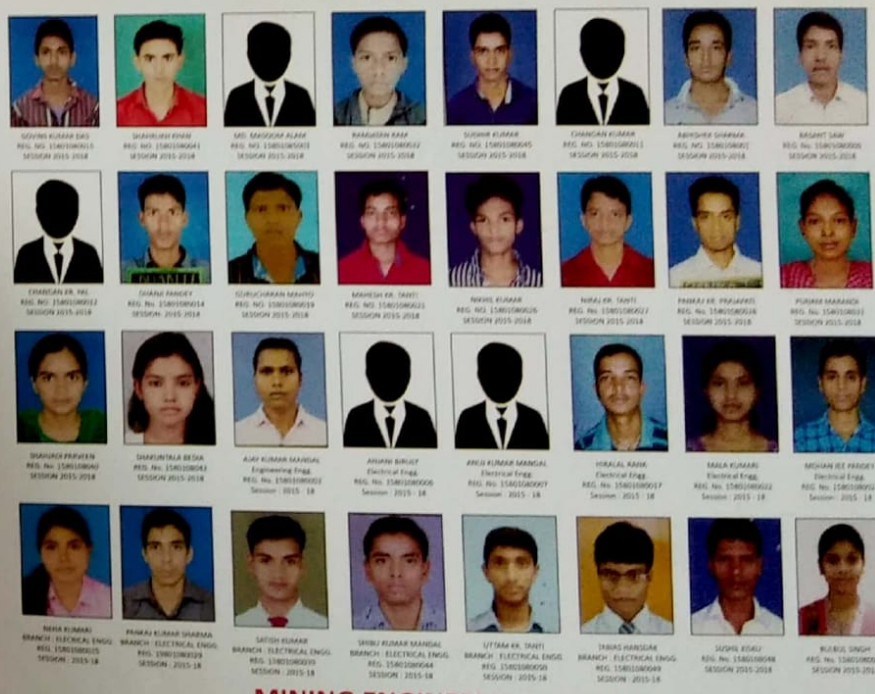
DEPARTMENT OF TRAINING & PLACEMENT

CIVIL ENGINEERING 2015-18

M/S ZF GROUP PUNE - MECHANICAL ENGINEERING - 2015-18

M/S HIM TECHNOFORGE LTD.-MECHANICAL ENGINEERING-2015-18

ELECTRIC ENGINEERING-2015-18



MINING ENGINEERING - 2015-18