

Looking Forward : Your Engineering Degree

An Engineering professional has to meet many challenges in the field. The main objective of any engineering college is to inculcate the capabilities in their students, to face the challenging world. The major capabilities are to be ready to face the examination, written and oral presentation, hands on experience on machines and equipments and tendency to work for longer hours and above all to be a good human being. Gyan Vihar School of Engineering and Technology with undergraduate students strength of **4000** and **220** faculty members, is always striving to provide the platform to develop these capabilities. In the college several programs have been introduced: the **Continuous Evaluation System-MT** to prepare the students for examination, assignments and tutorials to work hard on academics, **Center for Career Building and Leadership development** to develop personality, **Laboratory Classes** to have hands on experience on machines and equipments, **Student Seminars** for improving the presentation skills, **Students Projects** to enhance the creativity amongst the students. The list is ever increasing. Further to this, our students and faculty participates in many national and international seminars and model competitions and brings laurels to the college.

The above activities are not possible until and unless we have a college faculty with a solid combination of great experienced teachers and energetic new young members. Other important additions to the College includes wireless technology and mediated classrooms. We have wireless technology in the college to allow all our student access to the Internet and is enhanced by having a full fledged internet lab and faculty resource room.

Seminar Hall is equipped with advanced media equipments and communication lab with facility to improve the oral communication skills in English. Many experts in the field of Electronics and Communication Engineering, Computer Science and Technology, Information Technology, Mechanical Engineering, Electrical Engineering, Civil Engineering and other Engineering departments visit to campus and provide valuable insight into the future of various branches of engineering and what employers are looking for in engineers. They are very effective in helping to develop resources for the University to meet its needs and to enhance its programs. We highly value their time and appreciate their willingness to support the University in numerous ways.

During the stressful working days, students need to be given a foster parenthood away from home in the University. It has a tutor guardian scheme. The focus of this activity is to keep track on individual student and counsel them by the tutor guardian. The tutor guardians are faculty members.

We appreciate alumni who encourage their employers to attend Job Fairs, hire our students for internships, and those who support senior projects and other college activities. If you want to have a unique educational experience which help you to reach your ultimate potential, you will find it here.



Learn Engineering with NBA Accreditations

Undergraduate programs in engineering

Programs	Duration	Qualification	Entrance
B.TECH COMPUTER SCIENCE	4 yrs	10+2 (65%) WITH PCM	AIEEEE/IIT-JEE
B.TECH E&C	4 yrs	10+2 (65%) WITH PCM	AIEEEE/IIT-JEE
B.TECH IT	4 yrs	10+2 (65%) WITH PCM	AIEEEE/IIT-JEE
B.TECH MECHANICAL	4 yrs	10+2 (65%) WITH PCM	AIEEEE/IIT-JEE
B.TECH ELECTRICAL	4 yrs	10+2 (65%) WITH PCM	AIEEEE/IIT-JEE
B.TECH MECHATRONICS	4 yrs	10+2 (65%) WITH PCM	AIEEEE/IIT-JEE
B.TECH CIVIL	4 yrs	10+2 (65%) WITH PCM	AIEEEE/IIT-JEE
BCA	3 yrs	10+2 (60%)	UET
Dual Degree (B.Tech +M.Tech) (B.Tech E&C+M.Tech VLSI/IC/DWCE/SE)	5 Yrs	10+2 (60%) WITH PCM	AIEEEE/IIT-JEE
Dual Degree (B.Tech +M.Tech) (B.Tech EE+M.Tech Power Sys/Energy)	5 Yrs	10+2 (60%) WITH PCM	AIEEEE/IIT-JEE
Dual Degree (B.Tech +M.Tech) (B.Tech CS+M.Tech SE/IC/VLSI)	5 Yrs	10+2 (60%) WITH PCM	AIEEEE/IIT-JEE
Dual Degree (B.Tech +M.Tech) (B.Tech ME+M.Tech Manuf./Energy)	5 Yrs	10+2 (60%) WITH PCM	AIEEEE/IIT-JEE

B.Tech Computer Science Engineering

B.Tech Computer Science Engineering 4 years course is offered by Department of Computer Science & Engineering. The department was established in the year 2000 and got NBA accreditation in the year 2008. The department believes that the industry needs specialized graduate engineers who can apply computer-based techniques to all stages of the industrialized process. This course provides extensive up-to-date knowledge of computer engineering skills, covering both software and hardware aspects of computer systems. These skills are necessary to provide technical support development of computer systems. The course covers the essential areas for future needs. You study programming languages, graphics & multi-media, Security & Application and System Software. You develop advanced computer skills and the ability to use them quickly and effectively in analysis, design and simulation. We have close links and tie ups with RED HAT, CISCO, IBM (TGMC) and Microsoft. This keeps the course content up-to-date and relevant.

Career Prospects

The job prospects for computer engineers are increasing rapidly both in India and abroad because of the boom in this industry.

System study, analysis, design and programming are the main areas which provide various probabilities to the computer science and engineering graduates to shape themselves in their career. Computer engineers develop computer programs for industries. Their work involves the design, development and maintenance of software. They are engaged in analyzing problems for solutions, formulating and testing, using advanced communications or multi-media equipment or working in teams for product development.

A computer engineering graduate with a high percentage of marks and good communication skills is easily absorbed in reputed companies. Along with the degree in computer science, the candidate will be well trained in the latest softwares. Software and IT companies are the main employers of these graduates. They can also find job opportunities in a variety of environments in university, research sector, private and public industries, government departments, business organizations, commercial organizations and the manufacturing sectors etc.





B.Tech Electronics & Communication Engineering

B.Tech Electronics & Communication Engineering 4 years course is offered by the Department of Electronics and Communication Engineering. The department is the strongest pillar of the edifice of Gyan Vihar School of Engineering & Technology. Faculties of this department are alumni of the best institutions nationwide. The benchmark of an engineering college is the state-of-art laboratories. In adherence to these, 16 state-of-art laboratories have been established under ECE department, which calls for a handsome expenditure, but then there is no paucity of funds, for these are the essential requirement for the development of an engineer. State-of-art laboratories of ECE department are Digital Electronics Lab, Microwave Lab, Communication Lab, CAD VLSI Lab, Electronics Devices & CKT Lab, Industrial Electronics Lab, Electronic Measurement & Instrument Lab, Electrical & Electronics Lab, Micro Processor Lab, E&C Engg and Design Lab, Electronic Workshop, Controls Lab, Advance Communication Lab, ADV. DSP Lab, Advance Project Lab, Micro Controller Lab.

Career Prospects

An electronics engineer can get a job in Central Government, State Government and their sponsored corporations in public enterprises and the private organizations like All India Radio, Indian Telephone Industries, MTNL, National Physical Laboratories, Civil Aviation Department; Post and Telegraph Department; Co-ordination Department, National Physical Laboratory, Bharat Electronics Limited, Development Centers in various States etc. dealing in manufacturing, sales and services of electronics consumer goods and appliances. Electronics engineers are also absorbed into the entertainment transmission industry, research establishments, and defense. They can also take up teaching and research in one of the many engineering colleges in India or abroad.

B.Tech Information Technology

B.Tech Information Technology 4 years course is offered by the Department of Information Technology. The department was established in the year 2001. The vision is to build the department as a center of excellence in Engineering Education by inculcating in every student the art of creativity and productivity. The department has qualified and experienced faculty and technically competent supporting staff on its rolls.

It carries out research projects in the areas of Data mining, Data warehousing, Storage Area Networks and Distributed Databases. The department also interacts with the industries on a regular basis to keep the students abreast with technological developments and develop the capabilities in latest technologies. It offers a stimulating environment for its students for seeking solutions from real life project work, thus enabling students to build, motivate and lead project team effectively.

Department is well equipped with best infrastructure comprising of hardware and software. It manages over 150 computer systems equipped with latest tools like Linux, visual studio and distributed computing platforms. The department has Software Engineering, Communication, Internet network laboratories. The labs consist of most advanced P-IV systems with Windows NT/2003, Windows vista/XP/2000 professional operating systems. Separate Linux lab with dual OS is available with advanced Networking facilities. All the labs are LAN connected with licensed software packages related to latest global techniques. 24 X 7 internet facility is also given by the department through 1 GB band with link for better internet experience apart from that multimedia facilities are provided to student so that they can develop and sharpen their technical skills.

Career Prospects

Information Technology encompasses a wide range of activities like Office Automation, Telecommunication and Computing, therefore provides a larger area of job avenues for IT professionals. They can get a job in Central Government, State Government and various public and private organization as a Developer, Project Manager, Data Modeler, Analyst, Database administrator, IT Security Manager, Application Architect, RFID System Engineer, Network Administrator etc. They can enhance their career in the field of teaching and research in various colleges and institute.

All the programmes offered by the Engineering department are aimed at growth and learning in a highly application based environment. Formal lectures are supplemented by hands-on-experience in well-equipped laboratories. These exercises and project activities equip the students with the state-of-art methodologies to design and operate the latest equipment and machines.

Naveen Hemrajani
Vice - Principal

B.Tech Electrical Engineering

B.Tech Electrical Engineering 4 years course is offered by the Electrical Engineering Department. The Department was started in year 2003. The faculty is well qualified and a balanced mix of new as well as experienced persons, having varied experience in teaching in various institutes and industries.

The department is equipped with Electrical workshop, Machine Lab-I, Machine Lab-II, Measurement Lab, Power Electronics Lab & Computer Lab. A cut model of the D.C. shunt motor, available in the lab is worth highlighting, which provides deeper knowledge of construction and operation of the same. Such cut models are generally not available in many labs. Measurement lab provides the opportunity to students to know about the measuring systems to measure various electrical parameters, while the power electronics lab acquaints the students regarding use of electronics in electrical engineering to achieve better performances. Computers have become the essential tool in almost every walk of life. To provide the required knowledge of computers to the students, number of computers are available in this lab.

Career Prospects

Electrical graduates are employed in Electricity Boards/Utility companies and large industries as engineers and managers, responsible for installation, maintenance, operation of power handling equipments and systems. Industries manufacturing large electrical machines and equipments employ engineers in design, production and testing. Electrical engineers also find employment in atomic power plants, hydroelectric power plants as well as thermal power plants. Many electrical engineering graduates opt for careers in the food, pulp and paper, chemical, aircraft and automobile industries.

B.Tech Mechanical Engineering

The department (established in 2000) of mechanical engineering is an NBA accredited department of Suresh Gyan Vihar University. The department has newly incorporated CNC XL turn machine which has increased the training facilities in the department along with that of CNC XL mill machine. The workshop is having all basic machines used by the industry such as lathe, shaper, and milling power hacksaw etc. Apart from these we have fitting shop, carpentry shop, steel metal shop and foundry.



These basic facilities are being supported by the instruments of metrology lab to keep pace with the present time of quality enhancement. Mechanical engineering deals with automobile, production, metallurgy, design and managerial aspects to create techno managers of the future. The labs which are continuously updated are AUTO CAD lab, R.A.C lab, CIM lab, HMT lab, vibration lab, DOM lab, Thermal lab etc. The department has collaboration with external bodies for the training of the students to design software according to market demand.

The placement record of SGVU is highly impressive. The Alumni occupy esteemed positions in various reputed organizations both in the country and abroad. Courses offered at the mechanical department cover

the needs of the wide range of industries like aerospace, manufacturing, defense, space, construction, nano-engineering, energy, environment, transportation and nuclear energy.

Career Prospects

Mechanical Engineering finds applications in all fields of technology. They could work in many industries including private or public sector industries of various types, and their work varies in industries and functions. In the government sector, freshers could join as Junior Engineers and go up the ladder as Assistant Engineers, Assistant Executive Engineers, Executive Engineers, Superintendent Engineers and so on. These engineers are required in automobile, chemical, electronics, steel plants, oil exploration and refining, technical wings of armed forces, space research organization, etc.





B.Tech Civil Engineering

The department established in 2009, aims at synchronizing the civic life of human by harmonizing the natural resources available on earth involving the efficient involvement of the students of the University. Civil Engineering deals with the construction, soil mechanics, transportation, municipal and

sanitary, surveying and mapping and hydraulics and also the architectural basis of the buildings. Broadly, a civil engineer is expected to do planning, research, design and construction of buildings and roads; traffic and transportation, irrigation and power, water supply and sewage disposal, dams and abatement of air pollution, noise pollution and disaster mitigation and many more research areas which are to be explored in the times to come. The Department caters for UG and Dual Degree students. It has the well equipped fluid mechanics lab, strength of material, science lab and auto cab lab.

Career Prospects

Civil Engineers can find job in Government departments, private and public sector industries, research and teaching institutions etc. Job opportunities for civil engineers are expected to increase as fast as the average for all jobs, although the construction industry is vulnerable to fluctuations in the economy.

Civil engineers will always be needed to maintain and repair existing facilities and structures and to construct new ones. After doing B.Tech, one can look for jobs in road projects, building work, consultancy firms, quality testing laboratories or housing societies. Civil engineers are employed in all the major construction projects carried out by the state or central government, the railways, private construction companies, military, engineering services, consultancy services etc. Civil engineering graduates can also go in for research and take up teaching or they can open their own independent consultancy services.

B.Tech Mechatronics

B.Tech in Mechatronics is one of the most hi-tech and demanding courses among the students of the country as well as in abroad. This course deals with the combined study of mechanical engineering, electronics engineering, computer engineering,

control engineering and system design engineering to create or rather to manufacture useful and essential products. The students opting for this course should be very much intelligent and laborious to carry on with the study of the course.

The course of B.Tech in Mechatronics provides the students with gross knowledge on the field of mechanics, microprocessors and other electronics devices, designing of various systems, software and hardware related works and on control engineering techniques.

Career Prospects

Mechatronic engineers have excellent employment prospects as the demand for qualified professionals with multi disciplinary skills combining knowledge of mechanical and electronic systems has increased in recent years. Professional mechatronics engineers are typically found in positions where they are responsible for integrated computer controlled mechanical and electrical systems such as those found in the manufacturing and mining industries. They are also employed in electrical plants and companies where automation and process control is required. Career opportunities in this fast-changing field exist in both private industry and publicly funded enterprises.



INNOVATION IN ENGINEERING

Dual Degree Program

Dual degree program has been designed to make it attractive for students who are willing to do their M.Tech, and thus contribute to the research efforts. The student benefits by getting an M.Tech degree with just one year of extra effort. The popularity of similar programs can be judged by the fact that most of the IIT's are running the similar kind of programs & have been steadily increasing their intake in five-year dual degree program, and now more than one-third of the students admitted there are in such programs. Meritorious M.Tech students are also expected to give a boost to undergraduate education, since they can help undergraduates in labs, and interact with them as teaching assistants.

Advantage of Program

1. Time period of obtaining a Post Graduate Degree is reduced by 1 year.
2. Good academic and research work exposure to the student.
3. No requirement of facing competitive exams like GATE to take admission in M.Tech program.
4. Research Methodology can be learned as early as in the 4th year.
5. Low academic cost.
6. Variety of specializations are available and students may switch from core subjects of B.Tech.

"The focus is on imparting fundamental and application based knowledge to enable the students to excel in this age of cut-throat competition."

Manish Sharma
Vice Principal

Bachelor in Computer Application

Bachelor of Computer Applications (BCA) is a three years graduation Degree program. The course is designed to meet the growing demand for qualified professionals in the field of Information Technology. It is an undergraduate course that can be taken up after obtaining higher secondary education. The Curriculum and Syllabus of Bachelor of Computer Applications (BCA) course offered by Gyan Vihar University is designed considering the need of different Software Houses in India and abroad and has a high job potential in IT Sector.



Career Prospects

The candidates who have earned their BCA degree can under take any job in the area such as software programming, system and network administration, database administration, web designing and faculty in the computer science. However, with the recent boom in the outsourcing market, the candidates are also exploring the option to go to the outsourcing world. The candidates are placed in various developments as well as testing and manufacturing part of the outsourcing project through which they earn major of the work experience that would help them to explore the various opportunities in the coming years. Thus, according to the latest trend in the market, the demands for these BCA candidates is ever increasing and seems that it will be increased to a further extent.



Advancement of Engineering Education

Teaching the next generation Engineers & Scientists

Programs	Duration	Qualification	Entrance
M.Tech Intelligent System & Robotics	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech Automotive Engineering & e-Manufacturing	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech Artificial Intelligence	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech Software Engineering	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech VLSI Engineering	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech Energy Engineering	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech Information Communication	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech Manuf. & Industrial Engineering	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech Digital & Wireless Comm. Engineering	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech Power System	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech CS(Full Time)	2 Yrs	B.Tech/M.Sc with 60%	GATE/UET
M.Tech CS (Part Time)	3 Yrs	B.Tech/M.Sc with 60%	GATE/UET
MCA	3 Yrs	B.Sc/BCA with 60%	UET
M.Sc. Green Chemistry	2 Yrs	B.Sc with 60%	Direct
M.Sc. Mathematics & Computing	2 Yrs	B.Sc with 60%	Direct
M.Sc. Physics	2 Yrs	B.Sc with 60%	Direct

M.Tech in Intelligent System & Robotics

Increasingly, living on earth means living with robots and intelligent systems; sharing the planet with ever more intelligent machines that perform tasks from the mundane like lawn mower that cuts grass, to the highly specialized like robot-doctors that do surgery. Robotics is a rapidly developing discipline that combines long-established areas of electronics and mechanical engineering with novel approaches in computing and the life sciences. Intelligent systems and easy reconfiguration have made Robotics more applicable and cost effective in industries. Intelligent systems use ideas and get inspiration from natural systems and build on both established and novel techniques from machine learning, artificial intelligence and mathematical optimization. This autonomous M.Tech. in Advanced Information Technology with specialization in Intelligent Systems & Robotics is designed to create professionals with strong research background. Considering the human resource requirement in the Robotics, Automation and Product development based Software and Knowledge based Industry in India, the course has been designed to equip students with necessary hardware and software skills. The program strongly focuses on theoretical as well Practical aspects of System Design for hardcore industrial applications and also providing ample scope for students to pursue research in different domains of Robotics and Future Intelligent Systems.

M.Tech in Automotive Engineering & e-Manufacturing

India has emerged as the automobile manufacturing and automotive service hub of the world in last two decades. India is the fourth largest exporter of automobiles in the world and has surpassed China in the Asian market. Indian automobile companies have expanded their operation across the globe and at the same time owing to India's growing economic prowess automobile MNCs have shifted or started their design and manufacturing operations to India. By 2009 India has emerged as the largest manufacturer of small cars in the world. The paradigm shift taking place in the auto industry has created opportunities to visualize and materialize innovative designs to address the challenges in the 21st century. This program has been designed to provide students with necessary foundation in automobile engineering to pursue research and to explore new horizons.

M.Tech Artificial Intelligence

M. Tech course in Artificial Intelligence at Gyan Vihar University is originally designed to expose students with an undergraduate degree in Computer Science to a systematic study of advanced problem solving techniques and to the latest research problems at the interface between humans and computers.

Artificial Intelligence is the science and engineering of making intelligent machines, especially intelligent computer programs. It is related to the similar task of using computers to understand human intelligence, but AI does not have to confine itself to methods that are biologically observable.

Expansion in the field and related research technologies has led young enthusiasts to find a sophisticated career in artificial intelligence. Job options range from managerial to technical. Aspiring computer virtuosos can dream of a stable career as statistical analysts, programmers, language experts, engineers and managers. Those armed with an associate degree can expect to find positions as engineering technicians while bachelor's and master's degree holders may opt to work in the position of robotics engineers, and can be involved in designing software and hardware, besides many other things. Doctorates can expect to make it big as professors and researchers. One can find employment with companies concerned with technological research and development, aerospace programs, weapon facilities and even government sectors.

M.Tech Digital & Wireless Communication

Specialization in the field of Digital Communication will provide the candidates with a wide variety of opportunities, both in the Industry as well as in the R & D sector. They can work in areas dealing with Satellite Communications, Mobile and Wireless Communications, Optical Fiber Communications, Microwave and Antenna designs, Real time and Embedded System designs, Advanced Digital Signal processing and Image processing fields etc.

M.Tech in Software Engineering

M.Tech. (SE) is a two year program in which a student gets masters degree. Students will be able to analyze, architect, design, plan, develop, and deploy complex software systems, applying state-of-the-art approaches to software engineering. They will also be able to apply diverse software engineering methodologies. First three semesters will carry on the theoretical and practical classes and preliminary work leading to the project work. The last semester will be devoted completely to the research work; collaborative work may also be undertaken.

M.Tech VLSI Engineering

M.Tech is a two year program. VLSI Engineering provides improved solutions for high speed networking, high performance computers, and special applications of integrated circuits, requiring the use of multiple disciplines. There is an urgent need to absorb and assimilate the latest development in the VLSI design field. The course is offered by the department of Electronics and Communication by highly qualified and experienced teaching faculty. Projects are related to VLSI field, CMOS, VLSI Design.

M.Tech Energy Engineering

The university offers two years master's degree in energy engineering. Energy being the most demanding sector in today's world, this topic is taken as master level program. As that of Europe, India is also focusing on this sector. We know that the world is going to finish its fossil fuel resources within a few years of time. So, this branch is made to conserve the energy resources as well as the green house gases are also decreased by the help of this engineering branch.

M.Tech Manufacturing & Industrial Engineering

M.Tech in manufacturing engineering provides the theoretical background required in the industry. The program comprises of topic like advance manufacturing which gives the explanation of theoretical, present manufacturing process occurring in the production industries. Metal forming gives the basic process occurring behind the manufacturing process like metal drawing, casting, forming etc. CAD/CAM/CIM gives the computer aided application of the production and management process.

M.Tech Power System

M.Tech in Power System is a two year program. The developing complex power systems have necessitated the requirement of highly skilled persons not only for the operations of the power systems but also for design, development and manufacturing the required machinery / systems / instruments / accessories etc. The program has been designed accordingly. One elective subject in first three semesters, besides the core subjects and working only on chosen project during the fourth semester gives flexibility to the students to gain more knowledge in chosen area of interest. The program is designed as per the present need of the industry.

M.Tech in Computer Science

M.Tech in Computer Science engineering is a two year program. The M.Tech (CSE) degree program offers students the necessary background to pursue research or a career in the industry. This degree focused on advanced subjects like Software System Design, Advanced Data Structures, High Performance Networks, Bio-Informatics Computing, Distributed Operating Systems, Information System Security, Case Study Designing, Soft Computing, Wireless & Mobile Computing etc. The excellent results and the placements in reputed companies have given added momentum to the program.

M.Tech in Computer Science & Engineering (Part-Time)

M. Tech in Computer Science & Engineering Part-time program is a three year program, mainly designed for those who are interested in doing part time studies along with their job.

M.Tech Information Communication

Masters in Information Communication allow students to specialize in chosen areas of interest and prepare them for specialized jobs in the industry. Basically this course is an interaction of Electronics & Communication and IT subjects. In the first semester, the students learn core concepts and get to do extensive laboratory work, while in the later semesters the students enroll for advanced courses and work on various projects to gain expertise in chosen areas of interest.



Master of Computer Applications

MCA is a three year professional Master's Degree Program that can be taken up after obtaining a Bachelor's Degree. Since the course coverage of MCA is comprehensive, a qualified MCA can easily fit into any kind of software environment and also in IT industry. In this age of IT revolution, the MCA professionals can look forward to a bright future. The course is designed to meet the growing demand for qualified professionals in the field of Computer Software and Information Technology.

M.Sc. Mathematics & Computing

M.Sc in Mathematics & Computing will be of four semester (Two Year) program. This two year program offers an exciting opportunity to students who are interested in Mathematics and who wish to pursue course for teaching, research and industry. The program offers computer oriented courses and extensive laboratory training in Mathematics. As part of an effort to learn new mathematical techniques that can be used to address regional industrial problems. Programming in C, C++, JAVA, SPSS Software & MAT Lab will be used as the main tools to deal with most of the computational subject matter of the M.Sc. courses being offered. These courses will include Algebra, Factual Analysis, Advanced Numerical Analysis, Mathematical Theory of Statistics, Operations - Research and Mechanics.

M.Sc. Physics

This programme will be of four semesters. The first three semesters cover the fundamentals of the subject. The courses taken by all the students include Classical Mechanics, Quantum Mechanics (2), Mathematical Methods (2), Nuclear Physics, Introductory Particle Physics, Solid State Physics, Laser Physics, Computer Applications, Electronics, Special Relativity and Electromagnetism, Electrodynamics, Statistical Mechanics besides laboratory courses in Electronics, Solid State Physics, Digital Electronics, Lasers, Microwaves, Modern Physics and Nuclear Physics. There is a strong emphasis on problem solving and learning experimental techniques.

M. Sc. Green Chemistry

Students enrolled in this program first, have to qualify for the University Entrance Test (UET) for M.Sc. in Green Chemistry. The department offers several core (compulsory) courses and many electives. The course materials are so designed such as not only to facilitate and encourage discussion and to also expose them to new and industrial aspect of present day research. The program involves a 2 years (4 semesters) course work with the last semester being mainly devoted to training in industry and a research project carried out in any of the research groups of the students' choice. The course is designed as a comprehensive resource of education materials including laboratory exercises, lecture materials, course syllabi and multimedia content that illustrate chemical concepts important for green chemistry. Each entry includes a description of the item and is searchable by a variety of parameters, including chemistry concepts, laboratory techniques, green chemistry principles, and target audience and requirement of today.

Seminars

We at School of Engineering & Technology, enhance the student's capability of thinking out of the box, improve their technical, analytical, interpersonal & presentation skills & develop their self confidence by the means of seminars. It also provides the students with an insight into latest technology and, thereby keeping the students updated according to the industrial requirement. It also gives deeper understanding of various technical issues and help to interact with various technocrats. By the means of seminars, we provide the students a platform to express and improve their technical skills & personality as well as help the students to shed off their stage fear and make them capable of addressing the masses in an effective manner. GVSET organizes lots of seminars in IT, MECHANICAL, COMPUTER SCIENCE, ELECTRONICS & COMMUNICATION, CIVIL, & ELECTRICAL Engineering.

Industrial Training Programs

Industrial visits are quite frequently organized to provide practical exposure to the students of the industry. The industrial training program will help in understanding the application of theoretical knowledge at the shop floor of the industry.

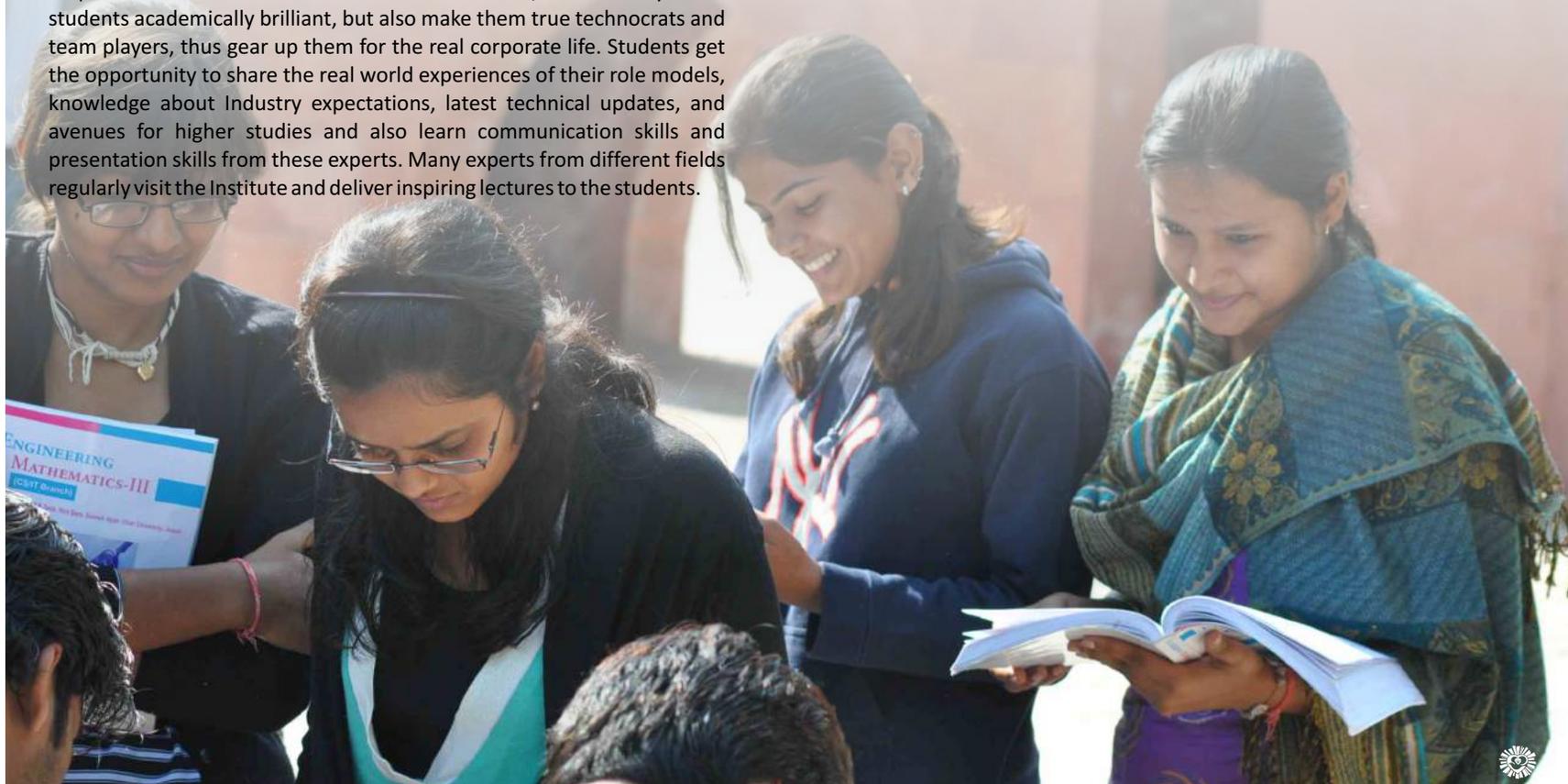
Professional Guest Lectures

Guest lectures by industry professionals and eminent scholars are a regular feature of the program that provides good exposure and feel of the corporate environment to the students. At GVSET, we not only make students academically brilliant, but also make them true technocrats and team players, thus gear up them for the real corporate life. Students get the opportunity to share the real world experiences of their role models, knowledge about Industry expectations, latest technical updates, and avenues for higher studies and also learn communication skills and presentation skills from these experts. Many experts from different fields regularly visit the Institute and deliver inspiring lectures to the students.

Placements

The liaison & symbiotic relationships developed with leading business organizations, MNCs & industries over the years by the Engineering Department is all leveraged for the final placement, resulting in students getting at least 8-10 interview opportunities and out of which he/she gets 3-4 job opportunities to choose from. Exclusive personality development sessions, soft skill development programs, Mock interviews, Panel discussion, Group Discussion, Interaction with Industry Experts, are organized to prepare our students for high-end placements.

Our 2011 batch of Engineering students has been already placed in various top notch companies



GET ADMIT INTO FIRST **NBA** **ACCREDITED** Engineering college of Jaipur

Parameters

For NBA accreditation an institution has to undergo a very tough ordeal with stringent parameters and strict marking scheme. Organizations with exemplary performance are granted with NBA Accreditation.

Gyan Vihar is now NBA accredited

Gyan Vihar has accomplished a remarkable feat equaled by none, as it is the first engineering college of the state running three NBA Accredited programs i.e. B.Tech in Computer Science and Engineering, Mechanical Engineering and Electronic & Communication Engineering.

What is NBA ?

NBA is highest quality certification by the premier statutory body constituted by MHRD for quality assurance in technical institutions. National board for accreditation is a part of AICTE to bring the systematic transformation of technical education sector into a dynamic, demand driven, quality conscious, efficient and forward looking system. It envisages that well performing engineering colleges will be developed into excellent institution of world-class standards.

How do They Evaluate?

Normally an elite panel of visiting team consisting Vice Chancellors, Directors and Professors of IITs or NITs, stay in the campus for three days, they probe extensively into every aspect of the organization to find out strengths and weaknesses of the programs. The team that visited Gyan Vihar was headed by a Vice Chancellor along with Professors from IIT Bombay, IIT Kharagpur, IIT Kanpur, NIT Warangal and NIT Bhopal.

Accreditation Parameters

- A. Organization and Governance
- B. Financial Resources
- C. Physical Resources
- D. Human Resources
- E. Student Resources
- F. Teaching Learning Process
- G. Supplementary Process
- H. R&D

Marks

- 80
- 70
- 50
- 200
- 100
- 350
- 50
- 100

