



**GALGOTIAS
UNIVERSITY**

ENGINEERING



ज्ञान-विज्ञान विमुक्तये

Recognized by the
University Grants Commission (UGC)



**SHRI PRANAB MUKHERJEE
PRESIDENT OF INDIA**

with Shri Dhruv Galgotia, CEO,
Galgotias University



**SHRI VENKAIAH NAIDU
VICE PRESIDENT OF INDIA**

at Galgotias University Convocation

“Galgotias University has done remarkably well to distinguish itself as a premier university in NCR. It reflects dedication & commitment of teachers, sincere efforts of students and inspiring vision of management.”



**SHRI NARENDRA MODI
PRIME MINISTER OF INDIA**

conferring The DQ ICT Award to Shri Suneel Galgotia, Chancellor, Galgotias University for Ranking University in Academics & Global Linkages and Ranked among Top Institutions in India for Placements



**MR SUDHIR MISHRA - SR GEO LEAD,
TALENT ACQUISITION, INFOSYS**

had a conducive interaction session
among the students of Galgotias University

MS. SOFIA ERIKSSON HEAD OF COMMUNICATIONS, ERICSSON INDIA

addressing the students before the recruitment process



MR SAURABH SHARMA SENIOR MANAGER- HR ERICSSON

conducting pre-placement talk with students



MR. CHRIS SAMUEL HR TEAM, COGNIZANT

addressing the Galgotias students



MR STUART HARRISON HR TEAM, EMRILL, DUBAI

interacting with students before campus recruitment





School of Mechanical Engineering wishes “**MECHELITES TEAM**” for their overall achievements as Champions with four awards in 5th ISIE- Innovative Challenge Powered by Hero electric and organized in association with Imperial Society of Innovative Engineers-ISIE INDIA from 6th to 10th February 2019



School of Mechanical Engineering hosted 6th Go Kart Design Challenge and 4th Formula Green event in association with Indian Society of New Era Engineers (ISNEE) in Galgotias University Campus from 22nd to 27th February 2019, where 83 teams from 19 states of India participated in the event.

DEXTERIX HACKATHON

Galgotias University conducted a Hackathon named **DEXTERIX** for Smart Sustainable Solutions nearly 12 hours of experience of collaboration, innovation, and learning for students interested in Technology and Computer Programming



More than 500 students from Galgotias University and various nearby colleges collaborated in teams of five from the morning to late evening. In each of the team one student from first year was introduced with the objective of knowledge transformation. They created entire original computer programming projects in the hopes of winning one of 6 award categories in Smart Sustainable Solutions.



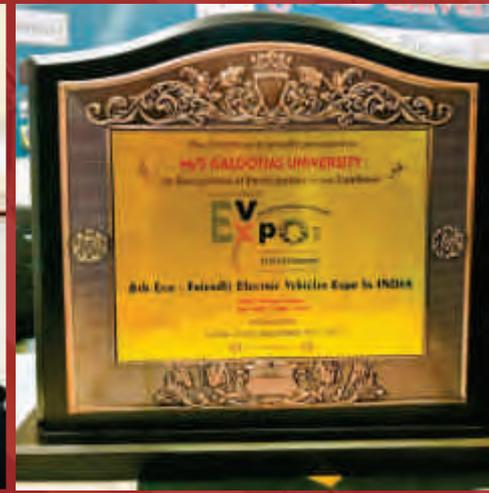
“We want to create strong coding community, we want our students to know various domains and help them to learn new skills and build meaningful contributions to the society,” Honorable Chancellor Shri Suneel Galgotia said during his visit.

“Galgotias University will conduct series of Hackathons in the future to enable more students towards the startup environment” Shri. Dhruv Galgotia, CEO said during his observation on few startup models.

The students presented a range of topics from Healthcare, Fintech, E-governance & Robotics etc. The first year students were enabled with both technical and non-technical projects. The industry experts were called to evaluate the projects and to mentor further.

School of Computing Science and Engineering faculty mentors were available throughout the event to extend knowledge and help students through any programming barriers they may reach.





Students of Galgotias University developed Real Solar Car presented in **SOLAR CAR EXHIBITION** New Delhi organized by Transport Ministry of India

The Electro-X India, Galgotias University participated in the Electric Vehicle Expo in Pragati Maidan from December 21-23, 2018 and has garnered praise for their efforts and enquiries in hundreds from both India and abroad. The team aspires to participate in the World Solar Challenge in October 2019, in Darwin, Australia.

Inspired by electrical mobility and its demand in the coming years, in India, a 3rd Year Engineering student Akhilash Tripathi from Galgotias University felt the need to design and build a zero emission Solar Electric car. With his best friends Ruchit, Abhishek, Chandramanshu, Jayant by his side, Akhilash quickly formed the team - Electro - X India and started work.

Electro-X India is an advanced Research and Development (R&D) project for the applications of renewable energy in the automobile industry. With research and innovation in mind Electro-X team from the past one year has put in thousands of volunteer hours to build the best Solar-Electric Car with limited resources and technology, ably guided by their faculty. The project was whole heartedly supported by the Chancellor of the University, Mr. Suneel Galgotia

The team participated in the Electric Vehicle Expo in Pragati Maidan from December 21-23, 2018 and has garnered praise for their efforts and enquiries in hundreds from both India and abroad. The team aspires to participate in the World Solar Challenge in October 2019, in Darwin, Australia.

“When something is important enough, you do it even if the odds are not in your favour”

Elon Musk

GUCON



IEEE INTERNATIONAL CONFERENCE ON COMPUTING, POWER AND COMMUNICATION TECHNOLOGIES 2018 organized by Galgotias University; India, GUCON is a non profit conference and it will provide an opportunity to the practicing engineers, academicians and researchers to meet in a forum to discuss various issues and its future direction in the field of Electrical, Computer & Electronics Engineering and Technologies. The conference aims to put together the experts from the relevant areas to disseminate their knowledge and experience for the relevant future research scope. The conference is technically sponsored by various society of IEEE across the world. There are multiple tracks (12 tracks) in the conference covering almost all areas of Electronics, Computer & Electrical Engineering.



Galgotias University has an enrolment of over 19,000 students across more than 100 Undergraduate and Post Graduate program, is devoted to excellence in teaching, research and innovation, and to develop leaders who'll make a difference to the world. Next GUCON will be held on 27-28 September 2019





AUTOMANTRA

Automantra racing was founded in 2015 by a group of Engineering Students, with a passion in automobiles. It participated in Formula Student India 2016 with vehicle AR-16, becoming one of the first teams from Delhi NCR region to do so.

In 2017, Team Automantra has participated in Formula Bharat which was held in Kari Motor Speedway, Coimbatore. Team Automantra racing is the only team from Greater Noida to qualify for this competition. Out of 200 teams from all over India only top 40 teams are selected for the main race event.

The team participated with vehicle AR-17 which has a unique distinction of zooming past 100 KMS per hour in just 7 seconds.

Building upon lessons from previous competitions, Automantra racing has designed the vehicle to keep

the weight at a minimum, thus designed a custom space frame chassis from Chromoly Alloy. The other components are made from lightweight aluminum. The body work is designed to reduce as much drag as possible and made from high grade carbon fiber. This makes the total weight of the vehicle in the ballpark of 150 KG.

AR-17 packs inside a beast in the form of a 44BHP engine, landing an astonishing 301BHP/ton power-to-weight ratio. Generating a maximum torque of 35NM, AR-17 achieved a top speed of 160kmph, going from 0 to 100 in just 7 seconds.

For better on track performance, AR-17 features a 1:1 Steering ratio for the most accurate turns and feedback. Generating almost 1.8G of forces on turns, AR-17 sticks to the track even on tricky corners.



NASA

RECOGNISES
GALGOTIAS' TALENT !

TEAM GALGOTIAS' MOONBUGGY SELECTED FOR PERMANENT EXHIBIT

AT NASA, MARSHALL SPACE CENTRE, HUNTSVILLE, ALABAMA, U.S.A.

GALGOTIAS MAKES INDIA PROUD!

NASA SELECTS GALGOTIAS AMONG FIVE UNIVERSITIES
FROM ACROSS THE GLOBE.

THE ONLY PRIVATE UNIVERSITY SELECTED FROM INDIA.

THE NASA GREAT MOONBUGGY CHALLENGE 2012 is the largest international competition of its kind. The event was held at the Marshall Space Centre, Huntsville, Alabama, U.S.A, with 88 teams from around the globe competing for the winning title.

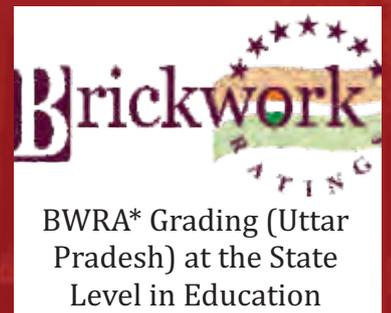
Team Galgotias designed and fabricated a two-seater, human powered vehicle that traversed an obstacle course of half a mile of simulated lunar landscape. After months of design planning and fabrication, Team Galgotias checked into the gruelling competition circuit at NASA. Team Galgotias' entry and gritty, determined performance was an inspiration for teams that followed.

"It was both surprising and thrilling when Galgotias University was announced in the closing ceremony. Our buggy has been selected to be displayed at the Exhibition Centre of the US Space and Rocket Centre-NASA, with a permanent recognition and a Golden Plaque, with the Galgotias name on top, to be displayed next to the buggy for many years to come, at NASA!" exclaim team members Manjul Vashishtha, Jyoti Bhatia and Deepak Chand Rajwar.

A total of 5 designs were selected from all across the globe. Of these two were from India. Team Galgotias was the only private Indian university team.



GLOBAL RECOGNITION



Placement & Academics
Excellence Times
Business Awards 2019





“Every day we would go back home dejected since our problems seemed endless and no solution seemed apt or right initially. But the very next day we would arrive with greater enthusiasm and more innovative ideas, to attempt something new without the fear of failing again! This is really a tribute to the universal academic excellence of the Galgotias faculty and student bodies,” explain the team members.

“The major aim was to keep focused on design parameters like overall dimensions, folding and steering mechanisms, which required experimentation. This led to major design and execution changes several

times over at every stage. We moved from the primary design draft to our back-to-back design which seemed too difficult to be implemented at first. We also had severe problems arising out of independent arrangement on both sides and the positioning of the shockers, which kept us at ground zero for quite a while. But we finally succeeded,” elaborates Arvind Kumar Sharma, the faculty team leader.

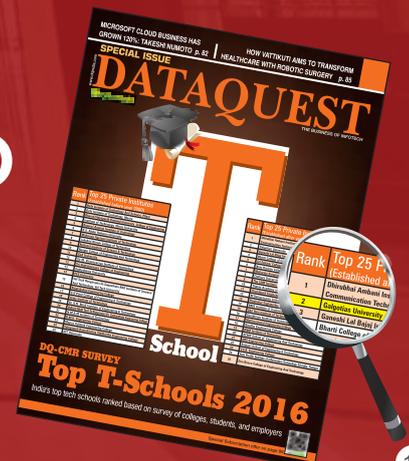
A MARVELOUS PROUD MOMENT FOR INDIA AND GALGOTIAS UNIVERSITY.



GALGOTIAS UNIVERSITY
Ranked amongst
TOP 20
Universities by
Business World

GALGOTIAS UNIVERSITY
RANKED
NO.2

IN INDIA
BY DQ-CMR SURVEY:
TOP T-SCHOOLS 2016





ABOUT GALGOTIAS UNIVERSITY

Galgotias University is established in 2011 by the Government of Uttar Pradesh and recognised by the University Grants Commission (UGC). The vision of GU is to be known globally for value based education, research, creativity and innovation. GU is situated on 52-acre state-of-the art campus in the National Capital Region of Delhi. Galgotias University is devoted to excellence in teaching, research and innovation, and to develop leaders who'll make a difference to the world. The University, which is based in Greater Noida, has an enrollment of over 15,000 students across more than 100 Undergraduate and Post Graduate programs.



Established by the State Government



Association of Indian Universities



BAR COUNCIL OF INDIA



PHARMACY COUNCIL OF INDIA



INDIAN NURSING COUNCIL



AICTE



NATIONAL COUNCIL FOR TEACHER EDUCATION



COUNCIL OF ARCHITECTURE

INTERNATIONAL TIE-UPS

Galgotias University Has Mous And Tie-ups With Several Of The World's Top Universities



TOP RANKINGS & AWARDS

GALGOTIAS WINS TOP RANKINGS & ACCREDITATIONS

AMONG INDIA'S FINEST ENGINEERING INSTITUTIONS

FROM LEADING NATIONAL MEDIA & INTERNATIONAL ACADEMIC ORGANIZATION



GALGOTIAS AWARDED FOR EXCELLENCE IN ACADEMICS & GLOBAL LINKAGES AT DATAQUEST CYBERMEDIA ICT AWARD



GALGOTIAS UNIVERSITY TOP-RANKED WITH NITs AND IITs IN MAIL TODAY-INDUS LEARNING ENGINEERING & TECHNOLOGY INSTITUTES RANKING



GALGOTIAS TOPS DATAQUEST CMR T-SCHOOL SURVEY



AMONG TOP INSTITUTIONS IN INDIA FOR 100% PLACEMENTS BY C-FORE SURVEY



GALGOTIAS AWARDED FOR EDUCATION EXCELLENCE BY HT CAMPUS C-FORE SURVEY AT HT CAMPUS CONCLAVE



RANKED AMONG TOP ENGINEERING INSTITUTIONS YEAR AFTER YEAR BY DATAQUEST



HAILED AMONG INDIA'S BEST ENGINEERING COLLEGES BY CAREERS 360



GALGOTIAS STUDENTS' MOONBUGGY SELECTED FOR PERMANENT EXHIBIT AT NASA



HAILED AS SCHOOL FOR LEADERS AND RANKED AMONG TOP ENGINEERING COLLEGES FOR ACADEMIC EXCELLENCE AND PLACEMENTS BY THE HINDUSTAN TIMES - C FORE SURVEY



GALGOTIAS RANKED AMONG FINEST INSTITUTIONS BY OUTLOOK-MDRA SURVEY



ASIC, UK ACCREDITS GALGOTIAS GLOBALLY BENCHMARKED HIGHER EDUCATION



SETTING UP NANOTECHNOLOGY RESEARCH LAB UNDER GOI GRANT



RANKED AMONG TOP 3 ENGINEERING COLLEGES OF INDIA BY ICMR/THE SUNDAY INDIAN



GCET HONoured WITH UPTU ACADEMIC EXCELLENCE AWARD



OUTLOOK - MDRA SURVEY OF JUNE 2011 RANKS GALGOTIAS AMONG INDIA'S BEST PROFESSIONAL COLLEGES



GALGOTIAS



PRIVATE ENGINEERING COLLEGE IN UTTAR PRADESH

19th All India Rank & Top 5 in Northern India including Government & Private Colleges

GALGOTIAS UNIVERSITY HAS BEEN RANKED

NO 2

BY TIMES ENGINEERING SURVEY 2016



SCHOOLS @ GALGOTIAS UNIVERSITY



SCHOOL OF COMPUTING SCIENCE & ENGINEERING

The School of Computing Science & Engineering is a discipline devoted to the study and advancement of computational methods and data analysis techniques to analyze and understand natural and engineered systems.

The School of Computing Science & Engineering is a diverse, interdisciplinary innovation ecosystem comprising of distinguished faculty, researchers, and students. The School is carrying forward its mission to create future leaders who will keep pace with and solve the most challenging problems in science, engineering, health, and social domains.

The School of Electrical, Electronics & Communication Engineering was established to provide world class education, training and research in the areas of Electronics & Communication, and Electrical Engineering.

The School runs various programs to cater to the ever challenging needs of technical excellence in all areas of electrical engineering such as Integrated Electronics and Circuits, Telecommunications, Computer Technology, Control & Automation, Power Systems & Power Electronics. The School seeks to equip students with the knowledge and skills they need to succeed, to work closely with industry, to encourage start-ups and to promote innovation and entrepreneurship.

SCHOOL OF ELECTRICAL, ELECTRONICS & COMMUNICATION ENGINEERING



SCHOOL OF CHEMICAL ENGINEERING

The School of Chemical Engineering was established to develop students with the initial foundation, knowledge, and skills they will need to become leaders in their professional careers. Graduates from the program have a solid education in chemistry, physics, advanced mathematics, and engineering practices, preparing them for a successful career in industry, academia or government.

The School of Civil Engineering offers students a well-rounded understanding of the discipline, combined with the much sought-after design, research and problem-solving skills needed to help create and manage sustainable built and natural environments. The School is committed to pursuing new and innovative knowledge in construction and engineering that ensures safe, resilient, economic, and sustainable environments.

SCHOOL OF CIVIL ENGINEERING



SCHOOL OF MECHANICAL ENGINEERING

The School of Mechanical Engineering is surging ahead on its mission to develop graduates who are successful in their chosen career paths, demonstrate the attitudes, abilities, and personal leadership to effectively adapt to changing global society while maintaining and promoting the highest engineering, professional, and ethical standards.

The University Polytechnic started to equip and inculcate in students various technical courses with the students to teacher ratio of 20:1. The faculties are well experienced and experts in their fields. They with their expertise, work hard with sincerity and honesty to share the knowledge with their students. Therefore these courses aim at achieving the goal where students slowly and certainly get their hands on some of their intended mastery in the chosen area.

UNIVERSITY POLYTECHNIC



SCHOOL OF BIOMEDICAL ENGINEERING

School of biomedical engineering (SBME) is an interdisciplinary branch mainly focused on diversified applications in both engineering and medical field. The objective of the school is to inculcate engineering skills in the students which can be applied to the biological and medical area. SBME offers B. Tech and 5 years integrated B.Tech + M.Tech program with extensive training in the state of art lab facilities. The skill development also includes collaborative research/training with industry for real-time exposure to the students during the program. Students graduated from SBME may have a bright career in industry, academia, and start-ups.

PROGRAMS

UNDERGRADUATE

School of Computing Science & Engineering

- B.Tech in Computer Science & Engineering
- B.Tech in Computer Science & Engineering with specialization in Computer Networks & Cyber Security
- B.Tech in Computer Science & Engineering with specialization in Data Analytics
- B.Tech in Computer Science & Engineering with specialization in Cloud Computing & Virtualization
- B.Tech in Computer Science & Engineering with specialization in Blockchain Technology
- B.Tech in Computer Science & Engineering with specialization in Business Analytics & Optimization
- B.Tech in Computer Science & Engineering with specialization in Internet of things & Intelligent System
- B.Tech. in Computer Science & Engineering with specialization in Artificial Intelligence & Machine Learning
- B.Tech in Computer Science & Engineering with specialization in Augmented Reality & Virtual Reality
- Bachelor of Computer Applications (BCA)
- BCA - Industry Oriented Program (with Inbuilt Training to get certification from MICROSOFT, ORACLE, SAP & CISCO)
- BCA (Multimedia & Animations)
- B.Sc Computer Science

School of Electrical, Electronics & Comm. Engg.

- B.Tech in Electrical Engineering
- B.Tech in Electrical & Electronics Engineering
- B.Tech in Electronics and Communication Engineering with specialization in Robotics & Automation Engineering
- B.Tech in Electronics and Communication Engineering with specialization in Internet of Things (IOT) & Smart Cities
- B.Tech in Electronics and Communication Engineering with specialisation in Embedded System
- B.Tech in Electronics and Communication Engineering with specialisation in VLSI
- B.Tech in Electronics & Communication Engineering

School of Civil Engineering

- B.Tech in Civil Engineering

School of Mechanical Engineering

- B.Tech in Mechanical Engineering
- B.Tech in Automobile Engineering

School of Chemical Engineering

- B.Tech in Chemical Engineering
- B.Tech in Food Technology

School of Bio Medical Engineering

- B.Tech Bio Medical Engineering

POSTGRADUATE

School of Computing Science & Engineering

- M.Tech. in Computer Science & Engineering with specialization in Information Security
- M.Tech. in Computer Science & Engineering
- M.Tech. in Software Engineering
- MCA

School of Electrical, Electronics & Communication Engineering

- M.Tech. in Communication Engineering
- M.Tech. in VLSI Design
- M.Tech. in Power Electronics and Drives
- M.Tech. in Power System Engineering

School of Civil Engineering

- M.Tech. in Energy & Environmental Engineering
- M.Tech. in Structural Engineering
- M.Tech. in Transport Engineering

School of Mechanical Engineering

- M.Tech. in CAD/CAM
- M.Tech. in Automobile Engineering
- M.Tech. in Mechatronics

School of Chemical Engineering

- M.Tech. in Chemical Engineering

INTEGRATED

School of Computing Science & Engineering

- Integrated BCA + MCA

School of Bio Medical Engineering

- B.Tech + M Tech Bio Medical Engineering (5 Year Integrated Program)

DOCTORAL

School of Computing Science & Engineering

- Doctor of Philosophy (Ph.D.) in Computer Applications
- Doctor of Philosophy (Ph.D.) in Computer Science Engineering

School of Electrical, Electronics & Communication Engineering

- Doctor of Philosophy (Ph.D.) in Electronics & Communication Engineering
- Doctor of Philosophy (Ph.D.) in Electrical Engineering

School of Civil Engineering

- Doctor of Philosophy (Ph.D.) in Civil Engineering

School of Mechanical Engineering

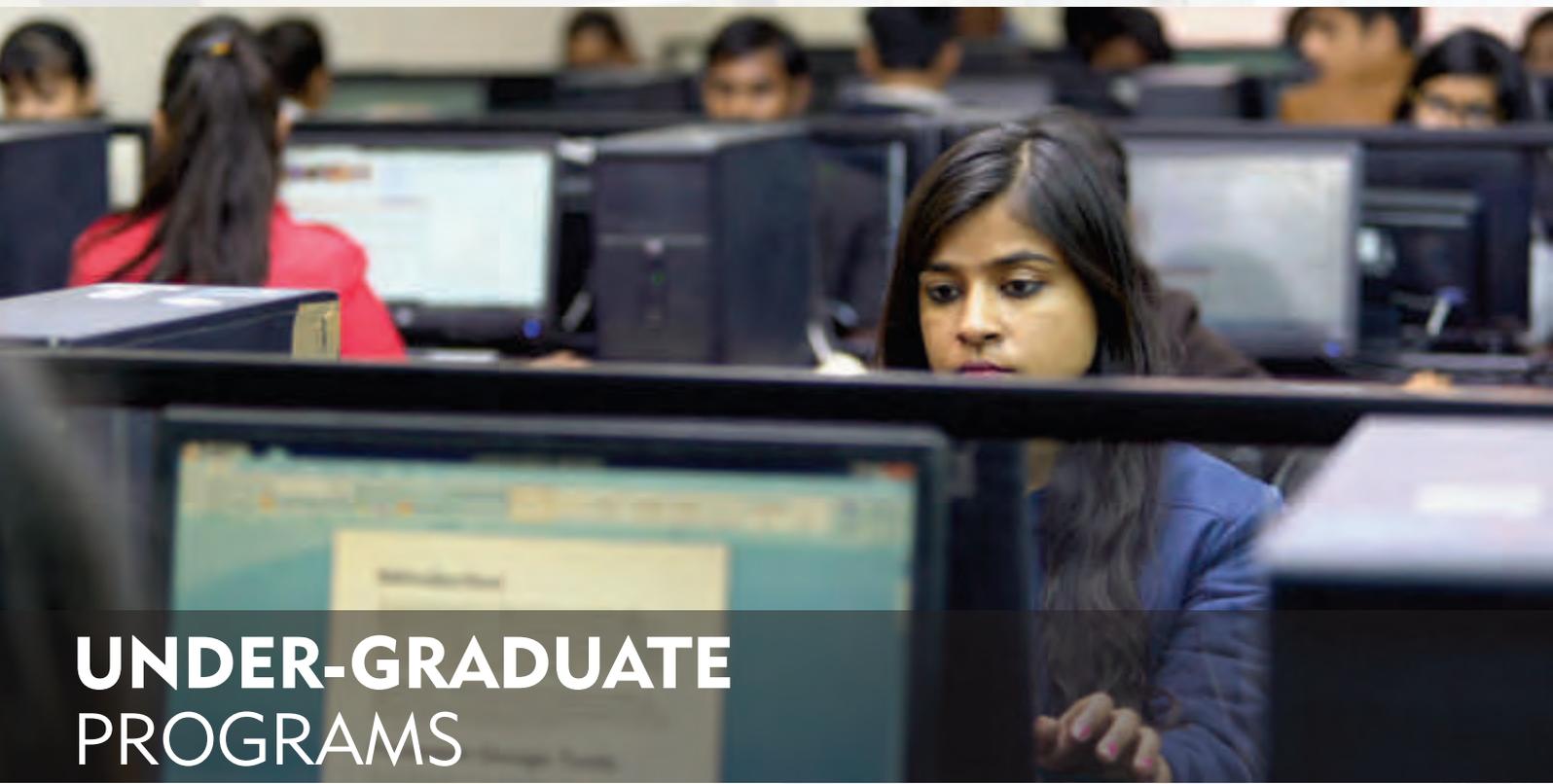
- Doctor of Philosophy (Ph.D.) in Mechanical Engineering

School of Chemical Engineering

- Doctor of Philosophy (Ph.D.) in Chemical Engineering

DIPLOMA

- Diploma in Mechanical Engineering
- Diploma in Automobile Engineering
- Diploma in Refrigeration & Air Conditioning
- Diploma in Production Engineering
- Diploma in Civil Engineering
- Diploma in Construction Management & Engineering
- Diploma in Computer Science & Engineering
- Diploma in Electronics & Communication Engineering
- Diploma in Electrical Engineering
- Diploma in Chemical Engineering
- Diploma in Food Technology
- Diploma in Instrumentation



UNDER-GRADUATE PROGRAMS

SCHOOL OF COMPUTING SCIENCE & ENGINEERING

B.TECH. IN COMPUTER SCIENCE & ENGINEERING

PROGRAM OVERVIEW: This program provides a sound knowledge of Computing Principles and Applications in Scientific and Engineering domains. The School strives for excellence in producing graduates who will capitalize core competence areas while inventing and implementing new technologies. It develops the ability to analyze problems and generate solutions in the areas of Computing. It also aims to provide exposure to the principles and practices of Design and Development of Computing Systems.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: Opportunities exist in the area of Design Engineering, Computing/IT Consulting and Solution Development. Graduating engineers also work as System/Network Administrators or IT Managers. This program enables graduates to contribute both in the area of hardware and software design of computer systems.

B.TECH. IN COMPUTER SCIENCE & ENGINEERING with specialization in Computer Networks & Cyber Security

PROGRAM OVERVIEW: In today's networked world, most organizations and enterprises depend on different kinds of information technology solutions, e-commerce, e-governance, e-learning, e-banking etc. All communications must be secure and under control since the information stored and conveyed is ultimately an invaluable resource of the business. Securing vital resources and information in the network is the most challenging feat for system enterprise.

The growing number of the computer network (internet/intranet) attacks and sophistication in attack technologies has made this task still more complicated. The course content is developed with the support of Department of Information Technology, Ministry of Communications and IT, Government of India. Therefore, the need of the hour is to update the knowledge of the personnel manning networks and systems on the network security issues and solutions. The time of Networks and Systems professionals working in an organization is very valuable and hence it is difficult to spare their time for training away from the organizations.

DURATION: 4 years

FEE: Rs. 1,80,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: The B.Tech. in Computer Science & Engineering with specialization in Computer Networks and Cyber Security provides you an exciting career in the domain. On passing out, one can choose a career either between Government cyber organizations and National organizations such as DRDO, ISRO or private firms with needs of IT security. Opportunities exist as: Cyber Security Architect, Cyber Security Administrator, Intelligence Analyst, Information Security Analyst, Expert at Antivirus Firms, Computer and Information System Manager, Network Security Analyst, Cyber Security Specialist, Security Architect, Risk Analyst, Cyber Operations Analyst and Cyber Threats Analyst.

B.TECH. IN COMPUTER SCIENCE & ENGINEERING with specialization in Internet of Things & Intelligent Systems

PROGRAM OVERVIEW: Internet of Things (IoT) is an interdisciplinary program that is much in demand nowadays. IoT generally refers to a growing network of internet-connected devices that find various applications in engineering and sciences. It is the worldwide network of interconnected objects and embedded systems using which the inter-connectivity of everything from urban transport to medical devices to household appliances, smart watches and other wearable technologies, home electronics and appliances, cars and heart monitoring implants can be studied.

This program aims to train students to be equipped with a solid theoretical foundation, systematic professional knowledge and strong practical skills in the fields of computer technology, communications networks and IT, that provides a wide range of applications in the Internet of Things.

The objective of this program include: Introduction to IoT, Understand IoT Market perspective, Data and Knowledge Management and use of Devices in IoT Technology, Understand IoT Architecture and the of IoT in various technologies.

The program sets out to provide the student with:

- A thorough knowledge of computer science
- A firm foundation of wireless communication and computer networks
- A thorough knowledge of IoT devices, systems, networks and infrastructure
- A strong skill for sensor network design and network planning for IoT

DURATION: 4 years

FEE: Rs. 1,80,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: On passing out, one can pursue a career as: IoT Applications Developer; IoT Applications Specialist; Intelligence Analyst; Computer and Information System Manager; Risk Analyst; IoT Operations Analyst; IoT Threats Analyst; IoT Testing Specialist; IoT Technology Architect; SmartCity Solutions Architect; Technical Consultant for IoT & SmartCity; IoT (Sensor/ Communication) Security Expert; Technical Support Engineer (IoT & SmartCity); Entrepreneur.

B.TECH. IN COMPUTER SCIENCE & ENGINEERING with specialization in Data Analytics

PROGRAM OVERVIEW: Data Analytics is concerned with the acquisition, storage, retrieval, processing and finally the conversion of data into knowledge where the quantum of data is very large. There are many applications, such as social media, healthcare, e-commerce, weather forecast, traffic monitoring, etc., that are producing massive amounts of data, the so-called "BIG DATA", with Volume, Velocity, Variety, Veracity and Value (the five "Vs" of Big Data challenges) at an unprecedented scale. This has led to a critical need for skilled professionals, popularly known as Data Scientists or Data Analytics who can mine, interpret and predict the data.

The curriculum exposes students to all aspects of Data Analytics including research design, data collection, preparation, analysis, integration, visualization, and interpretation. This will be achieved by an approach involving rigorous and comprehensive academic course work covering theory, fundamentals and hands-on experience with real-world applications. The curriculum is strongly oriented towards industry and emphasizes industry internship, projects, and entrepreneurship. It is expected that the graduates of

the proposed program will mostly join the fast growing Data Analytics industry as technical experts and few will even launch their own IT start-ups in this field.

DURATION: 4 years

FEE: Rs. 1,80,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: There will be a big demand for analytics, data mining and data science professionals in the near future. There are mainly four types of employers:

1. Large IT companies who have an Analytics practice- Infosys, TCS, Cognizant, Wipro, Oracle

2. Analytics KPOs- Genpact, WNS

3. In-House Analytics Units of large corporate- Citibank, Dell, HP, Spencers, Target; and

4. Nice Analytics firms - Brainmatics, Fractal Analytics, Mu Sigma. On passing out, one can choose a career either between Government organizations and National organizations such as DRDO, ISRO, BANK, IT Industry or private firms as

• Business Analyst

• Data Analyst

• Data Manager

• Risk Analyst

• Intelligence Analyst

• Information Security Analyst

• Cyber Security Specialist

B.TECH. IN COMPUTER SCIENCE & ENGINEERING with specialization in Cloud Computing & Virtualization

PROGRAM OVERVIEW: The next wave of computing is in the Cloud! Increasingly businesses want to get out of the complexity of managing data centers and instead focus on their core competencies. This means that more and more businesses will adopt cloud computing as a means to handle their IT requirements which gives them the freedom from day-to-day management of IT infrastructure. Cloud Computing is one of the fastest growing paradigms in the IT industry today. As per the leading research firm IDC, worldwide spending on Cloud services will cross \$42 billion.

This B.Tech. program with specialization in Cloud Computing & Virtualization will help students understand Cloud Computing and Virtualization technologies. Cloud Computing is very much a work in progress at this time and so while the course comprehensively covers the basic technologies involved, the history of the cloud and its roots in Service Oriented Architecture and Utility Computing, it has ample scope to take in the fast-changing models that are thrown up by cloud computing. Students of this program will also benefit from the several practical credits that provide hands-on capabilities on the various aspects of cloud.

DURATION: 4 years

FEE: Rs. 1,80,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: More and more IT vendors are now moving over to offer to their customers their software, applications, hardware, storage and services over the new Cloud computing model. The requirement of skilled resources will continue to grow in size and complexity. A career in Cloud computing, therefore, will remain in great demand for several years, going forward. This is an emerging computing model which delivers IT related capabilities as a service over the internet, and one which promises greater ease-of-use, economies of scale and much greater flexibility in sourcing and adapting to change. Virtualization, Service Oriented Architecture, Software as a Service, Hardware as a Service, Platform as a Service, Business Process as a Service are all technologies and delivery mechanisms that comprise Cloud Computing.

Large System Integrator/ISV organizations help clients drive new innovations in a safe, scalable and accessible way, keeping in mind, best practices in Service-Oriented-Architecture, Service management, virtualization, security, information on demand, application services and business process management.

A B.Tech. program with specialization in the area of Cloud Computing & Virtualization, therefore, adds tremendous value to an aspiring student. The B.Tech. program in Computer Science & Engineering with specialization in Cloud Computing & Virtualization prepares you for an exciting career in the following areas;

- Cloud Solution Architects
- Cloud Security Specialist
- Migration and Modernization Specialists
- Cloud System Administrator
- Cloud Application Development/Maintenance/Testing
- Cloud Project Management

B.TECH IN COMPUTER SCIENCE & ENGINEERING with specialization in Blockchain Technology

PROGRAM OVERVIEW: Bachelor of Technology in Blockchain Technology is a four-year undergraduate programme seeks to fill an important gap that exists today between the supply of and demand for academic knowledge in the area of digital currency. During the tenure of this programme, students develop an understanding of the emerging abstract models for Blockchain Technology and the applications of blockchain in cybersecurity, the integrity of information, E-Governance and other contract enforcement mechanisms. More specifically, while the interest in digital currencies has skyrocketed in the past few years, academic institutions have been slow to implement academic programs that cover the need for educating specialists in the area, addressing it in its entirety (technical and financial aspects alike).

The curriculum of this programme is designed in such a way that students are exposed to the Basic Cryptographic primitives used in Blockchain, Basic Distributed System concepts, Basic Blockchain concepts and architecture, B Limitations of blockchain as a technology, Bitcoin and Ethereum, and myths vs reality of blockchain technology and have an understanding and working knowledge of the emerging blockchain technology.

DURATION: 4 years **FEE:** Rs. 1,80,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

- 1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale
- 2) 65% PCM or above at XII level.

CAREER AVENUES: In the present time, the blockchain effectively used in the transaction of the digital currency like Bitcoins. Bitcoins are the first digital currency. It does not require any trusted authority or main central server for transactions.

But the blockchain technology has the enormous potential of holding something huge for the future. The technology of blockchain has the zeal and potential to personalize the digital IDs of social and civil artifacts.

The users of the blockchain are much benefited by its features. Moreover, with the help of blockchain, the users can make entries into a single record and data at the same time. However, there is a community of users which will control the amendment of the information in the records.

The blockchain delineated as a revolution in the registration and distribution of information. That abolishes the necessity of having a trusted party who will untangle the digital relationships between two ends.

B.TECH. IN COMPUTER SCIENCE & ENGINEERING with specialization in Business Analytics & Optimization

PROGRAM OVERVIEW: The world has become smarter. Human interaction in the spheres of business and domestic needs is changing drastically. The amount of data generated because of these actions is gigantic. It is natural that enterprises want to understand this data so as to provide better customer service, increase consumer confidence and improve business. The effect is profound and can be seen across all the industries such as telecom companies, insurance, healthcare, etc. Business Analytics (BA) refers to the skills, technologies, applications and practices for continuous iterative exploration and investigation of past business performance to gain insight and drive business planning. Analytics may be used as input for human decisions or may drive fully automated decisions. Analytics have been used in business since the time management exercises that were initiated in the late 19th century.

DURATION: 4 years **FEE:** Rs. 1,80,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: A career in Business Analytics is one of the primary focus areas in industry and is gaining great recognition and adoption across many industries. This course helps professionals to tap into these huge requirements and serve industry and society in the following ways:

- Database Administrator
- Data Mining Specialist
- Data Warehousing Specialist
- Business Analytics Specialist
- Statistical Analyst (SPSS)
- Business Analytics Modeler
- Business Intelligence Specialist (Cognos)

B.TECH. IN COMPUTER SCIENCE & ENGINEERING with specialization in Artificial Intelligence & Machine Learning

PROGRAM OVERVIEW: This specialization is designed to enable students to build intelligent machines with a cutting-edge combination of machine learning, analytics and visualization technologies. Students will acquire ability to explain and apply key ideas in artificial intelligence and machine learning and how they are being used in IBM, Google, Amazon, Facebook, etc. They will gain knowledge of related fields such as natural language processing, text mining, robotics, reasoning and problem solving. Students will get experience in implementing scalable solutions with AI and machine learning components, technologies and tools.

DURATION: 4 years

FEE: Rs. 1,80,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: Opportunities exist as Machine Learning Engineer, Data Scientist - Machine Learning Research Engineer - Artificial Intelligence, Big Data & AI Architect, Big Data & AI Consultant, and Robotics Professional.

B.TECH IN COMPUTER SCIENCE & ENGINEERING with specialization in Augmented Reality & Virtual Reality

PROGRAM OVERVIEW: In an industry known for constant change and innovation, Emerging Technologies like virtual reality (VR)/Augmented Reality (AR)/Mixed Reality (MR) stands out as a uniquely fascinating way to view content. Because gaming technology and practices have become a part of everyday life, there is a growing emergence of gaming-based technologies and interactions being embraced by mainstream businesses and organizations.

The computer technology is the ability to convert an idea from our imagination and make it tangible, make it something with which we can see and interact.

This Specialization prepares students to tell stories in a new way by taking design to a whole new level – in a virtual space. This program will provide graduates with a highly relevant skill set in Game Tech & immersive systems (Augmented and Virtual Reality) development and an understanding of how people and technology interact. Through the programme students will be introduced to game design and game design concepts, emphasising the basic tools of game design: paper and digital prototyping, design iteration, and user testing. They will also learn about the challenging, multi-disciplinary subject area of Augmented Reality (AR), where they will learn the skills required to create VR/AR simulations, games, visualisations and apps.

Students will graduate with a portfolio of creative and technical work that has been completed to a professional standard.

DURATION: 4 years

FEE: Rs. 1,80,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: The combined XR market (VR/AR) is soaring. According to Statista, market size was around \$6.1 billion in 2016 but is expected to reach \$215 billion by 2021. Although companies have spent several years developing and refining this technology, demand for skilled XR professionals is experiencing a major uptick as more technologies make it out of R&D and enter the marketplace.

BACHELOR OF COMPUTER APPLICATIONS (BCA)

PROGRAM OVERVIEW: This program is aimed at developing a sound knowledge and understanding of concepts in key areas of Computer Science, Industrial Computing, Analysis and Synthesis involved in Computer Systems, Information Systems and Computer Applications.

DURATION: 3 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: 50% in best four relevant subjects at XII level (Including English & Math/Computer Science)

For Migration from Other Universities:

- 1) BCA 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale
- 2) 60% in best four relevant subjects at XII level (Including English & Math/Computer Science)

CAREER AVENUES: Opportunities exist in entry level jobs in the IT/ITES sector involving Applications Development, Software Testing and Maintenance.

BCA- Industry Oriented Program (with Inbuilt Training to get certification from MICROSOFT, ORACLE, SAP & CISCO)

PROGRAM OVERVIEW: In this era of cutthroat competition only theoretical knowledge is not enough; it is a proper mix of theory and practical exposure that makes a person capable of making his/her own niche in an organization. Students are prepared to excel through case studies, presentation, guest lectures by industry experts.

What's unique about this program is that students get certification from MICROSOFT, ORACLE, SAP & CISCO.

DURATION: 3 years

FEE: Rs. 105,000/-p.a.

OTHER FEE: 21000 (Training & Certification Fee)

ENTRY REQUIREMENTS: 50% in best four relevant subjects at XII level (Including English & Maths/Information Practices)

CAREER AVENUES: Students are groomed to be managers in various areas like IT, software development, project management, etc.

BCA (Multimedia & Animations)

PROGRAM OVERVIEW: The program aims to teach the principles and concepts of multimedia, animation and also throws light on various areas like web designing, digital arts, 2D and 3D animation. The program plays a pivotal role in honing the skills of the students in digital film making, cinematography and media management.

DURATION: 3 years

FEE: Rs. 105,000/-p.a.

ENTRY REQUIREMENTS: 50% in best four relevant subjects at XII level (Including English & Math/Computer Science)

CAREER AVENUES: Work opportunities for quality animators and related professionals like graphic designer, multimedia developer and game developer, character designers, key frame animators, 3D modelers, layout artists etc exists in following sectors: Advertising, Online and Print News Media, Film & Television, Cartoon production, Theater, Video Gaming and E-learning.

BSc.(Hons.) Computer Science

PROGRAM OVERVIEW: Student enrolling in this BSC program can pursue 12 or Diploma Courses. Through this BSC program students will not only get a world class, "Industry-ready" curriculum. With fast the growing demand for computer skills and applications, the popularity of computers in education has also increased rapidly over the past few years. Students are more attracted to take up computers as their specialized field of study or pursue their educational careers in Computer Science.

Some years down the line India will need more "techies" to meet the global demand of ever increasing IT revolution. This BSC(H) Computer Science program aims to meet the growing demand for qualified professional in the field of Computer Science and Information Technology. This BSC(H) Computer Science program is inclined more towards Application Development and more emphasis on the latest programming languages and latest tools to develop better and faster applications. It also a focuses on providing a sound theoretical and background as well as good practical exposure to students in the relevant areas.

DURATION: 3 years

FEE: Rs. 55,000/-p.a.

Entry Requirements: Entry Requirements: 50% in best four relevant subjects at XII level (Including English & Maths / Information Practices)

CAREER AVENUES: This BSC(H) CS course focuses on making the student familiar with technical skills. After pursuing the necessary Educational qualification a person can seek job opportunity in the field of Information Technology. BSC graduates begin their career as programmers in various private companies like Wipro, TCS, Infosys, CTS etc. Since the course is also designed towards higher studies.

B.TECH. IN ELECTRONICS & COMMUNICATION ENGINEERING with specialization in Internet of Things

PROGRAM OVERVIEW: The curriculum of the program B Tech in ECE with specialization in Internet of Things (IoT) shall follow the curriculum of ECE with additional courses of 20 credit courses in the area of Internet of things.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale 2) 65% PCM or above at XII level.

CAREER AVENUES: Upon completion of this program the students are expected to have exciting career options as Applications Developer, Testing Specialist, IoT Technology Architect / Smart City Solutions Architect, Technical Consultant for IoT & Smart City, IoT (Sensor / Communication) Security Expert, Technical Support Engineer and Entrepreneur.

B.TECH. IN ELECTRONICS & COMMUNICATION ENGINEERING With Specialization in Embedded System

PROGRAM OVERVIEW: This program deals with electronics and its application in Communication and Networking and aims to produce engineers with great technical competence to design and fabricate smart electronic systems and appliances to meet social needs.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale 2) 65% PCM or above at XII level.

CAREER AVENUES: Job opportunities exist in the industrial domains of Steel, Oil & Gas, Power & Instrumentation to name a few. Companies such as SAIL, NTPC, ONGC, BHEL, TCS, Wipro, BEL, BSNL, and Nokia offer employment opportunities.

B.TECH. IN ELECTRONICS & COMMUNICATION ENGINEERING with Specialization in VLSI

PROGRAM OVERVIEW: This program deals with electronics and its application in Communication and Networking and aims to produce engineers with great technical competence to design and fabricate smart electronic systems and appliances to meet social needs.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale 2) 65% PCM or above at XII level.

CAREER AVENUES: Job opportunities exist in the industrial domains of Steel, Oil & Gas, Power & Instrumentation to name a few. Companies such as SAIL, NTPC, ONGC, BHEL, TCS, Wipro, BEL, BSNL, and Nokia offer employment opportunities.

B.TECH. IN ELECTRONICS & COMMUNICATION ENGINEERING

PROGRAM OVERVIEW: This program deals with electronics and its application in Communication and Networking and aims to produce engineers with great technical competence to design and fabricate smart electronic systems and appliances to meet social needs.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale 2) 65% PCM or above at XII level.

CAREER AVENUES: Job opportunities exist in the industrial domains of Steel, Oil & Gas, Power & Instrumentation to name a few. Companies such as SAIL, NTPC, ONGC, BHEL, TCS, Wipro, BEL, BSNL, and Nokia offer employment opportunities.

B.TECH. IN ELECTRICAL ENGINEERING

PROGRAM OVERVIEW: This program deals with the study and application of Electricity, Electromagnetism and Non-Conventional Energy Resources. The program aims at producing competent engineers and professionals to meet the needs of industries in the global context.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale 2) 65% PCM or above at XII level.

CAREER AVENUES: Opportunities exist in industrial sectors such as Steel, Oil & Gas, Power & Instrumentation to name a few. Companies such as SAIL, NTPC, ONGC, BHEL, and TCS offer employment opportunities.

B.TECH. IN ELECTRICAL & ELECTRONICS ENGINEERING

PROGRAM OVERVIEW: This program deals with courses related to Electrical and Electronics Engineering and aims to prepare students to explore in the fields of both Electrical and Electronics Engineering by providing extensive theoretical knowledge, practical exposure, and technology and system development.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale 2) 65% PCM or above at XII level.

CAREER AVENUES: Opportunity exists in industrial sectors such as Steel, Oil & Gas, Power & Instrumentation to name a few. Companies such as SAIL, NTPC, ONGC, BHEL, TCS, Wipro, BEL, BSNL and Nokia offer employment opportunities.

B.TECH IN ELECTRONICS & COMMUNICATION ENGINEERING with specialization in Robotics & Automation Engineering

PROGRAM OVERVIEW: An Engineering program which seamlessly articulates the concepts from basic science to technology with relevant practice through lab and projects for building the problem solving skills, keeping industry requirements in place for Design, Automation. The branch of Robotics and Automation involves design, development and operation of operation of Robotics and production / Assembly lines in Industries. The branch is a multi disciplinary one involving traditional branches like Electronics Engineering, Telecommunication Engineering, Computer science and Engineering, Electrical Engineering and advanced areas like Artificial Intelligence and Machine Learning. The millennial students, who are ready to challenge Artificial Super Intelligence and Cyber Physical Systems are welcome to join the program on Robotics and Automation to relish their dreams of developing COBOTS and interacting with machines.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale 2) 65% PCM or above at XII level.

CAREER AVENUES: Robotics is a combination and overlaps many fields of Engineering including Electronics, Mechanical, Electrical, Computer Science, Artificial Intelligence, Automation, and Bio Engineering. The following are the industries where an Automation & Robotics engineer can find work in:

SCHOOL OF MECHANICAL ENGINEERING

B.TECH. IN MECHANICAL ENGINEERING

PROGRAM OVERVIEW: Mechanical Engineering is one of the broadest of the engineering disciplines, and thus, Mechanical Engineers are the generalists of the engineering profession. They design, construct, test, and operate many types of Mechanical and Thermal devices. Thus, this program deals with the study and application of Physics, Mathematics, Material and Engineering Sciences for Designing, Manufacturing and Maintenance of Mechanical Systems. The program aims at producing competent engineers and professionals to meet the needs of industries in the global context.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale 2) 65% PCM or above at XII level.

CAREER AVENUES: Opportunities exist in a wide range of exciting industries including Aerospace, Automotive, Manufacturing, Oil and Gas, Power and Instrumentation to name a few. Companies such as SAIL, NTPC, ONGC, DRDO, IOC, IAF, ISRO, BHEL and TCS etc. offer employment opportunities.

ADDITIONAL AVENUES: Meritorious Students of B.Tech. (Mechanical Engineering) can avail an additional opportunity to be trained in Emerging Technologies in final year at a nominal onetime fee. However, the seats in this training program are limited to thirty only.

B.TECH. IN AUTOMOBILE ENGINEERING

PROGRAM OVERVIEW: This program deals with the study of Automotive Engineering including elements of Mechanical, Electrical, Mechatronics, Software and Safety Engineering and their application to the Design, Manufacturing and Maintenance of Automobiles.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale 2) 65% PCM or above at XII level.

CAREER AVENUES: Opportunities exist in industry and government organizations in both India and abroad. Companies such as Maruti Suzuki, Tata Motors, Bajaj Motors, TVS, Hyundai, Mahindra and Mahindra, Daewoo Motors, IOCL, HPCL and TCS etc. offer employment opportunities.

SCHOOL OF CIVIL ENGINEERING

B.TECH. IN CIVIL ENGINEERING

PROGRAM OVERVIEW: Civil Engineering is one of the oldest engineering disciplines. Civil Engineers design and construct all types of industrial and residential structures. They cover all the major fields of civil engineering e.g., structural engineering, design of RCC & Steel structures, fluid mechanics, hydraulic machineries, soil mechanics & foundation engineering, highway & transportation engineering, environmental engineering, surveying, building materials & technology. Students acquire practical knowledge through a number of site visits during their studies. The program aims at producing competent engineers and professionals to meet the needs of industries in the global context.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: Opportunities exist in a wide range of exciting industries including high rise buildings, Tunnels, Bridges, Chimneys, Power Plants to name a few. Companies such as L & T, Technip, Bechtel, HCC, TCE and JACOBS etc. offer employment opportunities.

ADDITIONAL AVENUES: Meritorious Students of B.Tech. (Civil Engineering) can avail an additional opportunity to be trained in Emerging Technologies in final year at a nominal onetime fee. However, the seats in this training program are limited to thirty only.

SCHOOL OF CHEMICAL ENGINEERING

B.TECH. IN CHEMICAL ENGINEERING

PROGRAM OVERVIEW: This program deals with the design and development of industrial plants for the use and manufacture of chemicals in different phases. It aims to produce engineers capable of innovating excellent models of chemical processes and control – thereby fulfilling global needs.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: Chemical engineers have the widest scope in the Pharmaceuticals Industry, Chemical Research Institutes, HVAC, Oil and Gas company, industries related to atomic science, polymers, paper, dyes, drugs, plastics, fertilizers, foods and beverages, textiles and chemicals, defence services, mining, cement, oil refinery, energy, water treatment, toiletries, etc. Modern chemical engineering is also concerned with pioneering valuable new materials and techniques, such as nanotechnology, fuel cells and biomedical engineering.

B.TECH IN FOOD TECHNOLOGY

PROGRAM OVERVIEW: B.Tech. Food Technology is a 4-year undergraduate course involving an advanced study of the techniques and activities involved in preserving, processing, and manufacturing of food.

As a discipline, Food Technology is the combination of engineering, food science, hotel management, and home science. B.Tech. Food Technology course is an advanced study of the technology and processing methods used to develop, research, manufacture, produce, preserve, and process food and related substances.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

For Migration from Other Universities:

1) B.E./B.Tech 1st year minimum 60% marks or 6.0 CGPA on a 10 point scale

2) 65% PCM or above at XII level.

CAREER AVENUES: Food Technology is the study of sciences related to food processing which involves, preservation of fruits, sea food, meats, cooked foods, vegetables, juices and beverages and also the manufacture of confectionary, snacks, foodstuffs and the packaging of these for marketing. Most food technologists specialize in one of these and many are involved in research. The job of food technologists entails:

SCHOOL OF BIO MEDICAL ENGINEERING

B.TECH. IN BIO MEDICAL ENGINEERING

PROGRAM OVERVIEW: The increasing demand for Biomedical Engineers is linked to society's general shift towards everyday utilisation of machinery and technology in all aspects of life. The combination of engineering principles with biological knowledge to address medical needs has contributed to the development of revolutionary and life-saving concepts such as: Artificial organs, Surgical robots, Advanced prosthetics, New pharmaceutical drugs, Kidney dialysis. Biomedical Engineering is a broad field with different areas of focus, and the exact nature of the work you can find yourself doing will vary depending on the specifics of your role. A few examples of some of the subdivisions of Biomedical Engineering include: Biomedical Electronics, Biomaterials, Computational Biology, Cellular, Tissue and Genetic Engineering, Medical Imaging, Orthopaedic Bioengineering, Bionanotechnology.

DURATION: 4 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

CAREER AVENUES: A biomedical engineer is employed in a hospital and medical firms to design systems and products and provides technical support for biomedical equipment. They also help in creating artificial organs and devices that replace body parts and machines to solve medical problems.

Scope of Biomedical Engineering in India

- After doing Biomedical Engineering, you can be employed in some MNC's as Sales, Service and Application Specialists.
- You can work as a Research Engineer as well in some OEM Manufacturing Companies
- You can work as a Biomedical Engineer in the Hospitals
- You can be a Biomedical Entrepreneur, Biomedical Engineering offers the best scope for the same among any other branch of engineering
- You can pursue MBA in Hospital management or Hospital Administration and become a Hospital manager in which you control all the aspects of hospitals





POST-GRADUATE PROGRAMS

SCHOOL OF COMPUTING SCIENCE & ENGINEERING

M.TECH. IN COMPUTER SCIENCE & ENGINEERING **with specialization in Information Security**

PROGRAM OVERVIEW: The technological growth, the Internet, information sharing with its mobility has tremendously increased information threats to organizations and individuals making it a challenge for users and system administrators to preserve information and data. Due to the requirement of sophisticated knowledge and tools to keep systems secure, there is a big need in India and around the world for information security professionals who are well trained about the various requirements of information security. The main objective of this program is to train students to become information security professionals for the high-end jobs in security industry.

DURATION: 2 years

FEE : Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in Computer Science/Information Technology or MCA

CAREER AVENUES: A career in the information Security domain & in the ventures of Digital India Initiatives will grow continually for the foreseeable future. This also means that the requirement for diverse skilled information security personnel also continues to grow tremendously. Large corporations all over the world, deal in one or more kind of data including financial data, corporate data or personal information data. Managing and securing this data is very important as a single breach may result in catastrophic losses. Hence the information security experts are required in every organization. There are literally thousands of these jobs available in today's IT market.

Some of the career options in the information security area include:

- Application Development/Maintenance/Testing
- System Administration
- Information Security specialist
- Solution Architects
- Project Management

M.TECH. IN COMPUTER SCIENCE & ENGINEERING

PROGRAM OVERVIEW: This program builds a technological base in Computer Science & Engineering. It enables students to analyze, design, develop and evaluate high-end computing systems, and undertake challenging projects and carry out research activity. It enables students to identify new trends and evaluate emerging technologies and work on specialized and specific domains.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in Computer Science/Information Technology or MCA

CAREER AVENUES: Opportunities exist to work as Developers and Specialists in high-end services and IT product companies. In addition to this, trained professionals also work as Consultants, Solution Developers & Computing Specialists in Research Labs or as Entrepreneurs.

M.TECH. IN SOFTWARE ENGINEERING

PROGRAM OVERVIEW: M.Tech. in Software Engineering involves application of specialized knowledge and skills to develop different kinds of large, complex software systems. The program is structured to empower students with design, analysis and implementation of software products for various computer applications.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in Computer Science/Information Technology or MCA

CAREER AVENUES: Opportunities exist in the software industry, management information system departments of any industry, educational and various R&D institutions in the government and private sector.

MCA - MASTER OF COMPUTER APPLICATIONS

PROGRAM OVERVIEW: This program is designed to create future-ready IT professionals with exposure to Computer Principles, Applications, Enterprise Software Management Methodologies and Business Practices. The program also focuses on investigating how computer software works and how it can be used to solve real-world problems.

DURATION: 3 years

FEE: Rs. 102,000/-p.a.

ENTRY REQUIREMENTS: BCA/Graduations with Maths, with minimum 50% marks in aggregate

For Lateral Entry: Recognized Bachelor degree of minimum 3 years duration with minimum 50% marks in BCA, B.Sc (Computer Science/Information Technology) with mathematics as a course at 10+2 level or at graduate level.

CAREER AVENUES: Opportunities exist in the areas of developing software and application tools and their design and implementation in order to address problems which arise from Computer Systems and Applications.

SCHOOL OF CHEMICAL ENGINEERING

M.TECH. IN CHEMICAL ENGINEERING

PROGRAM OVERVIEW: The courses include Chemical Reactor Theory, Transport Phenomena, Thermodynamics and Mathematical Methods. This program aims to provide globally competent expertise in research with necessary tools and practices. Students will be equipped with skills which enable them to contribute to the development of the chemical industry across the globe.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Chemical engineers have the widest scope in the industry, chemical research institutes, HVAC, oil & gas companies, industries related to atomic science, polymers, paper, dyes, drugs, plastics, fertilizers, foods and beverages, textiles and chemicals, defence services, mining, cement, oil refinery, energy, water treatment, toiletries, etc. Modern chemical engineering is also concerned with pioneering valuable new materials and techniques such as nanotechnology, fuel cells and biomedical engineering.

M.TECH. IN COMMUNICATION ENGINEERING

PROGRAM OVERVIEW: This program offers specialization in communication engineering and deals with engineering courses of advanced communication engineering and networking. This program aims to produce highly dynamic engineers whose deep knowledge and practical experience make them globally competent for innovation and entrepreneurship.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Job opportunities prevail in electronics as well as software companies - BEL, ECIL, Intel, Samsung Electronics, Sony, Toshiba, Philips Semiconductors, Texas Instruments, LG Electronics, Nokia, AMD, CISCO, Nvidia, HP and IBM, teaching in engineering colleges, research associates at Universities/NIT/IITS to name a few.

M.TECH. IN VLSI DESIGN

PROGRAM OVERVIEW: The program provides in-depth understanding in semiconductor devices, embedded systems, digital and analog VLSI design concepts, ASIC designing, mixed signal design etc. This specialized master course aims to produce expert engineers with tremendous design skills in VLSI design.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Job opportunities exist in the areas of electronics as well as software companies such as Texas Instruments, Free-scale Semiconductors, ST-Micro electronics, Cadence, ITTYM, Synopsys, QUALCOMM, LG Electronics, Nokia, AMD, CISCO, Nvidia, ZTE, etc.

M.TECH. IN POWER ELECTRONICS AND DRIVES

PROGRAM OVERVIEW: This program provides in-depth knowledge of subjects that cater to the needs of industries related to Power Electronics and Drives, Power Electronics Applications in Power Systems and other industrial applications.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Opportunities exist in the area of Design, Manufacturing, System Maintenance, Development Projects and Research. The range of opportunities are spread across a broad spectrum from power circuit design companies to power utility companies such as GE, TVS Electronics, Blue Star, Info Tech, BSNL, Nokia, Texas Instruments, Analog Devices, Honeywell, Tata Lexis and IBM, etc.

M.TECH. IN POWER SYSTEM ENGINEERING

PROGRAM OVERVIEW: The M.Tech. in Power Systems Engineering program aims at training Engineers in the field of power systems. It deals with the issues at the intersection of electric power, economics and management of power and provides professional knowledge in power generation transmission and distribution and power equipment.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Job opportunities exist in the power plants, Indian Railways, R&D divisions in MNC's like ABB, Philips, GE, Rockwell and Schneider etc. and companies like BHEL, BEL, BDL, HAL, DRDO, ISRO, Reliance Power, ONGC and NTPC. Job opportunities in this field are always excellent due to the fact that the demand for power never decreases.

M.TECH. IN ENERGY & ENVIRONMENTAL ENGINEERING

PROGRAM OVERVIEW: This interdisciplinary program aims to produce High-Caliber Personnel in Energy and Environmental Engineering by providing pass outs with exposure to a wide range of disciplines related to the Environment, Energy, Clean and Sustainable Development. The program connects the different aspects of Eco-Friendly Technologies, Energy Generation and Waste Utilisation (especially Renewable Energy Sources); Energy Audit, Conservation and Management; Environmental Pollution and Control.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Opportunities for Energy and Environmental Engineers exist not only in government organizations but also in private institutions, in addition to international avenues. The Energy & Environmental Engineering Postgraduates have scope for employment in companies such as IOCL, GAIL, CPCB's, SPCB's, ONGC, MoEF, Ion Exchange, Aecom, CH2MHill India and Spectro, UEM etc. They can also function as Energy Managers/ Auditors, Environmental Consultants and Scientists in various NGOs, MNCs and R&D organizations.

M.TECH. IN STRUCTURAL ENGINEERING

PROGRAM OVERVIEW: The program aims to provide a comprehensive education and training to engineers using a holistic approach to structural systems engineering by emphasizing and building on the commonality of engineering structures at the levels of Materials, Mechanics, Analysis and Design. The students are trained to develop expertise both in analysis as well as in design aspects of the Structural Engineering.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Opportunities for structural engineers exist both in government and private sectors. Companies such as Unitech, EIL, TCS, RITES, HCC, Punj Lloyd, GMR Infrastructure, Gammon India, Omaxe etc. offer employment opportunities.

M.TECH. IN TRANSPORT ENGINEERING

PROGRAM OVERVIEW: The master's degree program in Transportation Engineering trains the students for senior positions in core industry, consultancy, government, non-profit organizations, and higher studies. The offered courses provide skill set in topics such as pavement engineering, traffic engineering, transportation economics and planning, intelligent transportation systems, traffic systems operations, Airport planning and design and analysis of transportation systems. Students also get hands-on experience on various industry relevant software such as MXROADS, FAARFIELD, IITPAVE, VISSIM, etc. as well as the design codes of Indian Roads Congress.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Opportunities for structural engineers exist both in government and private sectors. Companies such as Unitech, EIL, TCS, RITES, HCC, Punj Lloyd, GMR Infrastructure, Gammon India, Omaxe etc. offer employment opportunities.



M.TECH. IN CAD/CAM

PROGRAM OVERVIEW: This program deals with the study and application of Computer Aided Design and Manufacturing. The program aims at producing competent engineers and professionals to meet the needs of industries in the global context.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Opportunities exist in Design, Manufacturing, Assembly and Automotive Sectors. Opportunities also exist in software companies dealing in Product Design and Development. Students can also have careers in Academic institutions/universities and R&D organizations in both India and abroad.

M.TECH. IN MECHATRONICS

PROGRAM OVERVIEW: This program deals with the study of Microcontrollers, Sensors and Instrumentation and their application to different Mechanical Systems, and enables students to gain competency in Mechatronics and Industrial Automation.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Opportunities exist in industrial sectors such as Steel, Oil and Gas, Power and Instrumentation to name a few. Organizations such as SAIL, NTPC, ONGC, BHEL, TCS and academic institutions /universities and research and development organizations offer employment opportunities.

M.TECH. IN AUTOMOBILE ENGINEERING

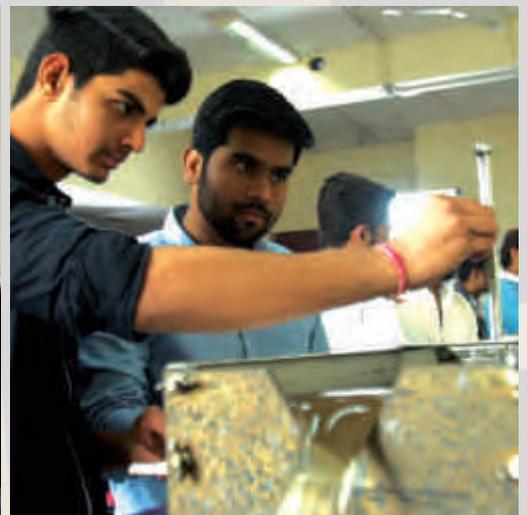
PROGRAM OVERVIEW: This program aims to develop a new breed of Postgraduate Engineers for Designing and Developing Modern Automotive Systems, and thus deals with the study and application of Automotive Engineering, Incorporating Elements of Mechanical, Electrical, Electronics, Software and Safety Engineering as applied to the Design, Manufacture and Maintenance of Automobiles.

DURATION: 2 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: B.E/B.Tech with minimum 60% marks or equivalent in CGPA in relevant discipline

CAREER AVENUES: Opportunities exist in automobile organizations such as TATA Motors, Ashok Leyland, GE, Mahindra and Mahindra, Hyundai, Honda, Hero Motors and Volkswagen, Academic institutions/universities and R&D organizations.



INTEGRATED PROGRAMS

SCHOOL OF COMPUTING SCIENCE & ENGINEERING

INTEGRATED BCA + MCA

PROGRAM OVERVIEW: Students enrolling in this program can pursue Bachelor's as well as Master of Computer Application without taking a break. Through this program students will not only get a world class, "industry-ready" curriculum but also end up saving a year. With the fast growing demand for computer skills and applications, the popularity of computers in education has also increased rapidly over the past few years. Students are more attracted to take up computers as their specialized field of study or pursue their educational careers in Computer Applications.

Some years down the line India will need more "techies" to meet the global demand of ever increasing IT revolution. This program aims to meet the growing demand for qualified professionals in the field of Information Technology. This program is inclined more towards Application Development and thus has more emphasis on the latest programming languages and tools to develop better and faster applications. It also focuses on providing a sound theoretical background as well as good practical exposure to students in the relevant areas.

DURATION: 5 years

FEE: Rs. 87,000/-p.a.

ENTRY REQUIREMENTS: 50% in best four relevant subjects at XII level (Including English & Maths/Information Practices)

CAREER AVENUES: This course focuses on making the student familiar with technical languages at the bachelor's level and taking a specialization at the master's level. After pursuing the necessary educational qualification a person can seek job opportunity in the field of software developer, web designer etc. MCA graduates begin their career as programmers in various private companies like TCS, WIPRO, Cognizant etc. and grow at a very fast pace to become systems analysts and project leaders. Since the course is also designed towards research, some students pursue higher studies too. Job areas include banking, stock exchange, simulation, database management, e-commerce, networking, etc.

B.TECH.+M.TECH IN BIO MEDICAL ENGINEERING (5 Year integrated program)

PROGRAM OVERVIEW: The increasing demand for Biomedical Engineers is linked to society's general shift towards everyday utilisation of machinery and technology in all aspects of life. The combination of engineering principles with biological knowledge to address medical needs has contributed to the development of revolutionary and life-saving concepts such as: Artificial organs, Surgical robots, Advanced prosthetics, New pharmaceutical drugs, Kidney dialysis. Biomedical Engineering is a broad field with different areas of focus, and the exact nature of the work you can find yourself doing will vary depending on the specifics of your role. A few examples of some of the subdivisions of Biomedical Engineering include: Biomedical Electronics, Biomaterials, Computational Biology, Cellular, Tissue and Genetic Engineering, Medical Imaging, Orthopaedic Bioengineering, Bionanotechnology.

DURATION: 5 years

FEE: Rs. 1,59,000/-p.a.

ENTRY REQUIREMENTS: Galgotias Engineering Entrance Exam

For Lateral Entry: Passed Diploma from AICTE approved institute in appropriate branch of engineering/technology with minimum 60% or 6.0 CGPA

OR

B.Sc with at least 60% marks or 6.0 CGPA and XIIth with Mathematics as a subject.

CAREER AVENUES: A biomedical engineer is employed in a hospital and medical firms to design systems and products and provides technical support for biomedical equipment. They also help in creating artificial organs and devices that replace body parts and machines to solve medical problems.

Scope of Biomedical Engineering in India

- After doing Biomedical Engineering, you can be employed in some MNC's as Sales, Service and Application Specialists.
- You can work as a Research Engineer as well in some OEM Manufacturing Companies
- You can work as a Biomedical Engineer in the Hospitals
- You can be a Biomedical Entrepreneur, Biomedical Engineering offers the best scope for the same among any other branch of engineering
- You can pursue MBA in Hospital management or Hospital Administration and become a Hospital manager in which you control all the aspects of hospitals

DIPLOMA PROGRAMS

UNIVERSITY POLYTECHNIC

DIPLOMA IN CIVIL ENGINEERING

PROGRAM OVERVIEW: The three year Diploma in Civil Engineering is all about the infrastructural development and design techniques. India has seen a major spurt in infrastructure development in urban as well as rural areas. The diploma in Civil engineering deals with the highway projects, structural design concrete technology and with the health and public utility services.

DURATION: 3 Years

FEE: Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: 10th with minimum 40% marks.

For Lateral Entry: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

For Migration from Other Universities/Institutes:

- 1) Diploma in Engineering 1st year passed with minimum 50% marks or 5.0 CGPA on a 10 point scale
- 2) 40% (minimum) marks at X level.

CAREER AVENUES: The Diploma holders in Civil Engineering are in demand at all levels of the economy, and can contribute in infrastructural development of the country and provide service to the society. Additionally, diploma graduates with an academic bent of mind can also go on to obtain their B.Tech., M.Tech. and Ph.D degrees and enter in the world of research and teaching. There are abundant opportunities in consulting firms including those specializing in structural, environmental, municipal and geotechnical engineering and some work in organizations which encompass several sub-areas of civil engineering. They can also work at municipal, state and national levels of the government. The most popular industries for employment are construction, engineering design, residential construction and heavy civil construction.

DIPLOMA IN CONSTRUCTION MANAGEMENT & ENGINEERING

PROGRAM OVERVIEW: The prime objective of this diploma course is to inculcate the designing and construction management skills to take infrastructural projects from design to the reality. The course will provide the students with a broadly based technological and management education, so that they are capable to evaluate and resolve constructional and business problems associated with building and civil engineering projects. The Diploma in Construction Management & Engineering prepares the student to systematically plan, organize and manage construction activities such as finance, labour, plant and materials. It equips the student with the skills necessary to implement processes and methods of construction to produce a quality building in an efficient and safe manner against natural disasters and earthquakes.

DURATION: 3 Years

FEE: Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: 10th with minimum 40% marks.

For Lateral Entry: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

For Migration from Other Universities/Institutes:

- 1) Diploma in Engineering 1st year passed with minimum 50% marks or 5.0 CGPA on a 10 point scale
- 2) 40% (minimum) marks at X level.

CAREER AVENUES: Career opportunities exist in the areas of Project Feasibility & Evaluation, Cost Planning, Professional Business Practice, Construction Measurement, Commercial Construction Organization, Design Management, Legal Risk Management, Sustainability, Urban Ecologies and Strategic Construction Procurement.

The program also provides the students a huge opportunity to be employed in government as well as private organizations engaged in construction of commercial & residential structures and other infrastructural developments like railways, government development authorities and government housing authority, and many more.

DIPLOMA IN ELECTRICAL ENGINEERING

PROGRAM OVERVIEW: Diploma in Electrical Engineering is a three year program taught over a period of six semesters. The primary objective is to train the students as competent electrical engineers and make them meet the requirement of industries besides striving for further improvement in academic performance of students. In the first semester, basics of science and scientific theories

of Physics, Chemistry and Mathematics applied to engineering studies courses and respective laboratories will be taught, so that student can apply basic theories of science in electrical engineering. In every semester there will be some core courses and respective laboratories of electrical engineering.

DURATION: 3 Years

FEE: Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: 10th with minimum 40% marks.

For Lateral Entry: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

For Migration from Other Universities/Institutes:

- 1) Diploma in Engineering 1st year passed with minimum 50% marks or 5.0 CGPA on a 10 point scale
- 2) 40% (minimum) marks at X level.

CAREER AVENUES: Most of the Government organizations recruit Diploma holders on regular basis like DRDO, Indian Army, Navy, BARC etc. Some Government organizations recruit through SSC JE exam like civil departments, CPWD, Jal board, MES etc. Most of PSUs provide job to Diploma holders like NTPC, NPCIL, BHEL, BEL, ONGC, SAIL, PGCIL etc. DISCOMs of every state provide jobs of junior engineer. Most of the private sector companies like IBM, Philips, LG, TCS, Siemens, L&T, Samsung, Motorola, Kirloskar, Havells, ABB also offer tremendous opportunities.

DIPLOMA IN COMPUTER SCIENCE & ENGINEERING

PROGRAM OVERVIEW: Diploma in Computer Science and Engineering includes software and hardware design. This is an excellent preparatory course for a career in IT, as well as in public sectors like railways, banking etc. It covers the subjects of computer programming, computer systems, networking and computer hardware. The student will be specializing in high end applications like RDBMS and GUI tools based on Windows/LINUX environment. The extensive use of IT has led to an increase in the number of IT careers and the students are regularly getting absorbed in the IT industry. A student finishing his/her Diploma can appear for selection for lateral entry in to B.Tech./B.E. second year directly. Computer Engineering Diploma holders may even start their own venture with very little investment. Students in this program usually take a relatively narrow range of courses in order to learn about their chosen specialty.

It also provides the following prospects to the students:

- An ability to troubleshoot network in case of problems and service systems in case of failures
- Education with breadth that allows for understanding of the impact of engineering practices on all aspects of society
- An awareness of technical issues in the modern world
- An ability to work in multi disciplinary environments to manage projects and to succeed in competitive examinations.

URATION: 3 Years

FEE: Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: 10th with minimum 40% marks.

For Lateral Entry: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

For Migration from Other Universities/Institutes:

- 1) Diploma in Engineering 1st year passed with minimum 50% marks or 5.0 CGPA on a 10 point scale
- 2) 40% (minimum) marks at X level.

CAREER AVENUES: After successful completion of this program, students will be able to exhibit professional and ethical responsibilities and will have the skill sets to make effective use of modern engineering tools, software equipment, and a technique for engineering practices. Students will be able to get jobs in Software development, Software Testing, Web Designing and Publishing, Web site maintenance, Networking and Maintenance Industries, Computer Service Industry, Computer Hardware Industry etc.

DIPLOMA IN ELECTRONICS & COMMUNICATION ENGINEERING

PROGRAM OVERVIEW: The Diploma in Electronics and Communication Engineering program is for three years; taught over a period of six semesters. In the first semester, basic science theory as well as laboratory courses will be taught so that the students can apply basic theories of physics, chemistry and mathematics in Electronics and Communication Engineering core courses. In every semester there will be some core courses and related laboratories.

URATION: 3 Years

FEE: Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: 10th with minimum 40% marks.

For Lateral Entry: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

For Migration from Other Universities/Institutes:

- 1) Diploma in Engineering 1st year passed with minimum 50% marks or 5.0 CGPA on a 10 point scale
- 2) 40% (minimum) marks at X level.

CAREER AVENUES: A diploma holder in Electronics & Communication Engineering is qualified for employment in a wide variety of sectors and user bases from consumer electronics to commercial and industrial computation and communication devices.

- Government and private companies for installation, operation and maintenance of Electronic equipments and systems
- Defence, space research, AIR, Civil Aviation and the police wireless departments
- Design and development of complex devices and systems for signal processing and telecommunication
- Preferred candidates for IT companies as software engineer, customer support engineer etc.
- Entertainment transmission industry
- UPS Companies
- Technical and research assistant in one of the many “silicon valley companies” and engineering colleges in India and abroad
- Diploma holders in ECE are also eligible to take admission to 2nd year B.E. courses in the relevant disciplines.

DIPLoma IN MECHANICAL ENGINEERING

PROGRAM OVERVIEW: The program aims to produce Diploma holders to meet the challenges of industries successfully. The program is designed to provide the students adequate exposure for hands-on experience in practice and in design. Excellent laboratories are developed in the areas of Applied Mechanics, Strength of Materials, Materials Testing, Hydraulics & Hydraulic Machines, Thermal Engineering, and Metrology & Inspection. On an average, students will be spending about 34% of the total time on hands-on work only.

DURATION : 3 Years

FEE : Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: 10th with minimum 40% marks.

For Lateral Entry: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

For Migration from Other Universities/Institutes:

- 1) Diploma in Engineering 1st year passed with minimum 50% marks or 5.0 CGPA on a 10 point scale
- 2) 40% (minimum) marks at X level.

CAREER AVENUES: Job opportunities exist in a wide range of industries such as Manufacturing, Automotive, Power plants, Oil and Gas, Aerospace and Instrumentation to name a few. Companies such as IAF, IOCL, BHEL, GAIL, SAIL, ONGC, ISRO, NASA and DRDO etc. offer excellent employment opportunities.

DIPLoma IN PRODUCTION ENGINEERING

PROGRAM OVERVIEW: This program deals with Diploma in production engineering that applies the principle of physical and material science for analysis, design, manufacturing and maintenance of mechanical system. This program aims to produce Diploma holders in Production Engineering with wide knowledge and capability in the planning, production control and machine operations in terms of preparation, programming and machining.

DURATION : 3 Years

FEE : Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: 10th with minimum 40% marks.

For Lateral Entry: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

For Migration from Other Universities/Institutes:

- 1) Diploma in Engineering 1st year passed with minimum 50% marks or 5.0 CGPA on a 10 point scale
- 2) 40% (minimum) marks at X level.

CAREER AVENUES: Job opportunities exist in a wide range of industries such as Steel, Oil & Gas, Textiles, Defence services, Power Plants and Aerospace to name a few. Companies such as BHEL, GAIL, SAIL, ISRO, NASA and DRDO etc. offer excellent employment opportunities.

DIPLOMA IN AUTOMOBILE ENGINEERING

PROGRAM OVERVIEW: Automobile Engineering is a specialized branch of mechanical engineering, covering the areas of automobile engines, transmission, suspension, braking systems, electrical and electronics, comfort and safety, automotive workshop technology and management. This program aims to produce Diploma holders in Automobile Engineering to provide in-depth knowledge of vehicle engineering, incorporating elements of mechanical, electrical, electronics, software and safety engineering applied to the design, manufacture and operation of motorcycle, automobile, buses and trucks and their respective engineering subsystem.

DURATION: 3 Years

FEE: Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: 10th with minimum 40% marks.

For Lateral Entry: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

For Migration from Other Universities/Institutes:

- 1) Diploma in Engineering 1st year passed with minimum 50% marks or 5.0 CGPA on a 10 point scale
- 2) 40% (minimum) marks at X level.

CAREER AVENUES: Various opportunities are available in multiple industries such as Automobile, Manufacturing, Production, Repair and Servicing, Technician in Defence Sector, Non-conventional Energy, Product Development etc. to name a few. Companies such as Honda, Toyota, Maruti Suzuki, Bajaj Motors, TVS, Hyundai, Mahindra and Mahindra etc. offer employment opportunities.

DIPLOMA IN CHEMICAL ENGINEERING

PROGRAM OVERVIEW: Chemical Engineering is one of the most versatile branches of Engineering. It applies the knowledge of physical sciences together with Mathematics, Physics and Chemistry. This program deals with Diploma in Chemical Engineering to impart quality education and training about:

- Several processes used to manufacture products of daily use including plastics, pharmaceuticals, cosmetics and food products
- Improvement of food processing techniques and methods of producing fertilizers, to increase the quantity and quality of available food
- Simple materials for big technology industries
- Development of methods to mass-produce drugs, making them more affordable
- Capability to analyze and optimize complex systems
- Capacity to work over a wide range of scales - from molecular to worldwide
- Construction of synthetic fibers that make our clothes more comfortable and water resistant
- Studies to create safer, more efficient methods of refining petroleum products, making energy and chemical sources more productive and cost effective.
- Ability to read & interpret drawings to related to plant layout.

The program aims to produce the Diploma holders in Chemical Engineering with in-depth knowledge of various fields including the latest development in technology in the area of Microelectronics, Fuel Cells, Green Cells, Biomedical Engineering, Biotechnology, and Nano technology as well. It also explores the area of material Science including Biodegradable Polymers, Alloys and abrasives that are lately been used in technologies.

DURATION: 3 Years

FEE: Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: 10th with minimum 40% marks.

For Lateral Entry: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

For Migration from Other Universities/Institutes:

- 1) Diploma in Engineering 1st year passed with minimum 50% marks or 5.0 CGPA on a 10 point scale
- 2) 40% (minimum) marks at X level.

CAREER AVENUES: Various opportunities are available in Chemical and Allied Industries like Fertilizer, Petroleum Refinery and Petrochemical, Oil and Natural Gas, Steel Plant, Cement Plant, Cosmetics, Pulp and Paper, Food Processing, Consumer Goods, Polymer, Leather, Pharmaceuticals and Distilleries etc. to name a few.

Research Organizations like CSIR laboratories, Defence laboratories and Atomic energy establishments also offer excellent employment opportunities.

DIPLOMA IN FOOD TECHNOLOGY

PROGRAM OVERVIEW: With the change in Food Technologies, demand for skilled professional has opened new avenues for students want to make a career in food technology industry. This program is a mix of theoretical and practical courses, that helps students to understand the subject and use the skill to solve market need.

The course curriculum includes cookery, dairy, food storage, pest control, catering, quality control, sustainability etc.

With the growth of digital and ecommerce food business, the related professional needs to be exposed to the latest technologies. In Galgotias University we provide students with unmatched infrastructure and academic atmosphere to give students a solid foundation in the food industry.

DURATION : 2 Years

FEE : Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

CAREER AVENUES:

- Food Technologist
- Product and Process development expert
- Nutrition Expert
- Quality control Expert
- Food Manufacturing and preserving professional
- Toxicologist
- Health Care Professional
- Packaging expert

DIPLOMA IN INSTRUMENTATION

PROGRAM OVERVIEW: Diploma in Instrumentation is the integration of branches of science which are put together to achieve required functional goal in the and pneumatic domain. The scope of this course is to understand about the process, equipment and controls in the modern industries which are more efficient, effective and accurate as the old magnetic and electric control industries have become obsolete.

DURATION : 2 Years

FEE : Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

CAREER AVENUES: A diploma holder in Instrumentation Engineering is qualified for employment in a wide variety of private and government sectors.

- Sectors, including manufacturing and process automation, Steel plants, Cement manufacturing companies, Thermal power plants, Chemical companies and similar industries, embedded systems and electronic circuit requires diploma in Instrumentation Engineering.
- Almost all process & manufacturing industries have a separate instrumentation department.
- Government sector and PSUs like Railways, Electricity Board, Defence, National Aluminium Company Ltd. (NALCO), Gas Authority of India Ltd. (GAIL), Hindustan Petroleum Corporation Limited (HPCL), Indian Oil Corporation (IOCL), Steel Authority of India Limited (SAIL), etc require diploma in instrumentation engineers for their respective instrumentation departments.
- Academic institutions and Research institutes like DRDO and ISRO also need diploma in Instrumentation Engineering as Technical Assistant.
- Diploma holders in Instrumentation Engineering are also eligible to take admission to 2nd year B.E./B.Tech courses in the relevant disciplines.

DIPLOMA IN REFRIGERATION & AIR CONDITIONING

PROGRAM OVERVIEW: Diploma in Refrigeration & Air Conditioning deals with HVAC (Heating Ventilation & air conditioning) and its industrial applications. This program imparts quality education and training on household as well as commercial refrigerators. It aims to produce diploma holders in Refrigeration & Air-conditioning to meet the challenges of HVAC industries successfully and make great achievements in the growing global range.

DURATION : 3 Years

FEE : Rs. 45,000/-p.a.

ENTRY REQUIREMENTS: Passed 10+2 examination with Physics and Chemistry as compulsory Subjects along with Mathematics/ Biology subject with minimum 40% Marks

CAREER AVENUES: Job opportunities exists in a wide range of areas in industries such as Manufacturing, Installation and servicing to name a few companies such as LG, Blue star, System Air, ISRO, NASA and DRDO etc offer excellent employment opportunities.

DOCTOR OF PHILOSOPHY (Ph.D)

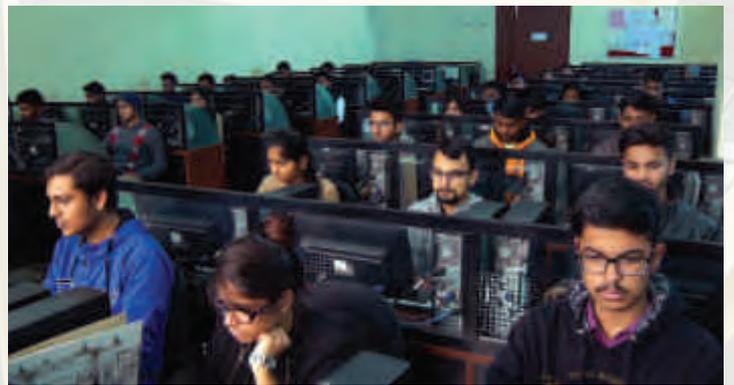
PROGRAM OVERVIEW: GU offers Ph.D programs in all areas of Pharmacy, Engineering, Management, Education, Science, Law, Journalism & Mass Communication, Finance & Commerce and Humanities that are commensurate with the academic resources available. Rules and regulations of the program comply with the guidelines of the Regulatory Bodies and ensure that the standard of Ph.D studies at Galgotias University shall be comparable to the best.

DURATION: 2-6 years

COURSE WORK: Course work for a minimum period of one year

ENTRY REQUIREMENTS: A Master's degree from a recognized Indian University or any other equivalent degree to the satisfaction of the Academic Council of the University, in the relevant field, with not less than 60% marks in aggregate or 6.5 CGPA on a 10 point scale or equivalent.

CAREER AVENUES: The award of Ph.D degree is a recognition of high achievement, independent research and application of scientific knowledge to the solving of technical and scientific problems. Opportunities exist mainly in the areas of teaching and research.



PH.D. & M.PHIL. PROGRAMS IN

- ENGINEERING
- MANAGEMENT
- PHARMACY
- EDUCATION
- SCIENCE
- LAW
- JOURNALISM & MASS COMMUNICATION
- FINANCE & COMMERCE
- HUMANITIES
- CLINICAL RESEARCH & HEALTHCARE
- LOGISTICS & AVIATION MANAGEMENT



GALGOTIAS ENGINEERING ENTRANCE EXAM (GEEE)



Eligibility Criteria

Candidates should have passed the 12th examination from a recognized Central or State board or its equivalent with Physics, Chemistry and Mathematics (PCM) or those who are appearing & expecting the secure marks can also apply.

Schedule of the Examination

Galgotias Engineering Entrance Examination will be held on Saturday, 15 June, 2019. Please visit www.geee.in for further details.

Examination Pattern

- Galgotias Engineering Entrance Examination is an objective type question paper with Multiple Choice Questions.
- The duration of the entrance examination will be 90 minutes.
- Please refer for further details in www.galgotiasuniversity.edu.in or www.geee.in
- Pattern of the Entrance Examination Question Paper: Questions will be of OBJECTIVE TYPE with Multiple Choice
- Three parts in Question Paper – Physics, Chemistry, Mathematics
- All the questions will be mostly from the State Board of Higher Secondary Education and the CBSE syllabus only.
- Each part has 30 questions and each question carries one mark.
- No negative marks for wrong answers.
- The Question paper will be only in English.



Syllabus

Class XIIth Physics, Chemistry, Mathematics. All the questions will be mostly from the State Board of Higher Secondary Education and the CBSE syllabus only.

Admission

Applicants are required to submit the originals of all relevant documents to the university office for verification, at the time of admission. In case of any discrepancy, the university management reserves the final right to annul admission, even after the commencement of the course. The original documents will be returned to the candidate after verification.

Important Documents Required

During Counseling

Applicants must carry the originals of all the documents as mentioned below, along with 2-sets of photocopies of each document:-

- Copy of GEEE 2019 Admit Card
- Class X Board Examination Mark-sheet
- Class X Passing Certificate
- Class XII Board Examination Mark-sheet
- Class XII Passing Certificate
- Migration Certificate
- Transfer Certificate
- Gap Year Affidavit if applicable
- Character Certificate
- Medical Fitness Certificate
- 4 Passport Size Photograph
- Aadhaar Card
- Copy of selection Letter



ENGINEERING & TECHNOLOGY

Programs	Duration	Tuition Fees (Per Annum)
School of Computing Science & Engineering		
B.Tech Computer Science Engineering	4 years	1,59,000 INR
B.Tech Computer Science & Engineering with specialization in Computer Network & Cyber Security	4 years	1,80,000 INR
B.Tech Computer Science & Engineering with specialization in Internet of Things (IOT) & Intelligent System	4 years	1,80,000 INR
B.Tech Computer Science & Engineering with specialization in Data Analytics	4 years	1,80,000 INR
B.Tech in Computer Science & Engineering with Specialization in Cloud Computing & Virtualization	4 years	1,80,000 INR
B.Tech in Computer Science & Engineering with Specialization in Blockchain Technology	4 years	1,80,000 INR
B.Tech in Computer Science & Engineering with Specialization in Business Analytics	4 years	1,80,000 INR
B.Tech in Computer Science & Engineering with Specialization in Artificial Intelligence & Machine Learning	4 years	1,80,000 INR
B.Tech in Computer Science & Engineering with Specialization in Augmented Reality & Virtual Reality	4 years	1,80,000 INR
B.Sc (Hons) Computer Science	3 years	55,000 INR
M.Sc Computer Science	2 years	60,000 INR
BCA	3 years	87,000 INR
BCA Industry Oriented program (With inbuilt Training to get Certification from Microsoft, Oracle, SAP & Cisco)**	3 years	105,000 INR
BCA in Multimedia & Animation	3 years	105,000 INR
Integrated BCA + MCA	5 years	87,000 INR
M.Tech in Computer Science with specialization in Information Security	2 years	87,000 INR
M.Tech Computer Science Engineering	2 years	87,000 INR
M.Tech Software Engineering	2 years	87,000 INR
MCA	3 years	102,000 INR
Ph.D Computer Sc. Engineering	Cwork1+2	60,000 INR
Ph.D Computer Application	Cwork1+2	60,000 INR

Programs	Duration	Tuition Fees (Per Annum)
School of Civil Engineering		
B.Tech Civil Engineering	4 years	1,59,000 INR
M.Tech Structural Engineering	2 years	87,000 INR
M.Tech Energy & Environmental Engineering	2 years	87,000 INR
M.Tech in Transport Engineering	2 years	87,000 INR
Ph.D Civil Engineering	Cwork1+2	60,000 INR

Programs	Duration	Tuition Fees (Per Annum)
School of Mechanical Engineering		
B.Tech Automobile Engineering	4 years	1,59,000 INR
B.Tech Mechanical Engineering	4 years	1,59,000 INR
M.Tech CAD - CAM	2 years	87,000 INR
M.Tech Automobile Engineering	2 years	87,000 INR
M.Tech Mechatronics	2 years	87,000 INR
Ph.D Mechanical Engineering	Cwork1+2	60,000 INR

ENGINEERING & TECHNOLOGY

Programs	Duration	Tuition Fees (Per Annum)
School of Bio Medical Engineering		
B.Tech in Bio Medical Engineering	4 years	1,59,000 INR
B.Tech+M.Tech Bio Medical Engineering (5 Year integrated program)	4 years	1,59,000 INR

Programs	Duration	Tuition Fees (Per Annum)
School of Electrical, Electronics & Communication Engineering		
B.Tech in Electronics and Communication Engineering with specialisation in Embedded System	4 years	1,59,000 INR
B.Tech in Electronics and Communication Engineering with specialisation in VLSI	4 years	1,59,000 INR
B.Tech in Electronics and Communication Engineering with specialisation in Internet of Things (IOT)	4 years	1,59,000 INR
B.Tech Electrical & Electronics Engineering	4 years	1,59,000 INR
B.Tech Electronics & Comm. Engineering	4 years	1,59,000 INR
B.Tech Robotics & Automation Engineering	4 years	1,59,000 INR
B.Tech Electrical Engineering	4 years	1,59,000 INR
M.Tech Power Electronics & Drives	2 years	87,000 INR
M.Tech Power System Engineering	2 years	87,000 INR
M.Tech Communication Engineering	2 years	87,000 INR
M.Tech VLSI Design	2 years	87,000 INR
Ph.D Electrical Engineering	Cwork1+2	60,000 INR
Ph.D Communication Engineering	Cwork1+2	60,000 INR

Programs	Duration	Tuition Fees (Per Annum)
School of Chemical Engineering		
B.Tech in Chemical Engineering	4 years	1,59,000 INR
B.Tech in Food Technology	4 years	1,59,000 INR
M.Tech in Chemical Engineering	2 years	87,000 INR
Ph.D Chemical Engineering	Cwork1+2	60,000 INR

UNIVERSITY POLYTECHNIC

Programs	Duration	Tuition Fees (Per Annum)
Diploma in Engineering		
Diploma in Mechanical Engineering	3 years	45,000 INR
Diploma in Automobile Engineering	3 years	45,000 INR
Diploma in Production Engineering	3 years	45,000 INR
Diploma in Civil Engineering	3 years	45,000 INR
Diploma in Construction Management & Engineering	3 years	45,000 INR
Diploma in Computer Science & Engineering	3 years	45,000 INR
Diploma in Electronics & Communication Engineering	3 years	45,000 INR
Diploma in Electrical Engineering	3 years	45,000 INR
Diploma in Chemical Engineering	3 years	45,000 INR
Diploma in Food Technology	2 years	45,000 INR
Diploma in Instrumentation	2 years	45,000 INR
Diploma in Refrigeration & Air Conditioning	3 years	45,000 INR



LEARNING & CAREERS

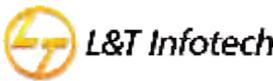
TRAINING AND PLACEMENT: AN OVERVIEW OF THE CAREER PLANNING & DEVELOPMENT DIVISION (CPDD)

Galgotias University has a well established system of ensuring a smooth transition from the classroom to the workplace. The Galgotias University system aims to fulfill students' aspirations across various sectors of industry. Students can confidently hope to enter the corporate world in sectors and positions commensurate with their capabilities. This environment of opportunities for the students is a result of a well-structured interface with corporates. Students can take on the best of all the opportunities Galgotias University provides. For this they have to go through rigorous corporate-readiness programs which run concurrently with their academic

programs. These comprise industry visits, mentorship activity, field research work, corporate interface and faculty-monitored corporate internship programs.

Leading organizations across various disciplines participate in campus placements at Galgotias University. Nearly all students are placed almost a year before they complete their academic studies.

CPDD constantly interacts with the corporate world and helps prepare students for their careers. Corporates such as Infosys and Accenture absorb the largest numbers of students. Galgotias

- **MOU WITH INFOSYS (CAMPUS CONNECT PROGRAM)** for faculty / student development programs
- **ASSOCIATION WITH MICROSOFT** under adoption of wp7, windows azure, s2b, faculty connect program
- **ACCREDITATION WITH TATA CONSULTANCY SERVICES LTD.** for :
 - Faculty Development
 - Students training
- **MOU WITH TATA CONSULTANCY SERVICES LTD.** as :
 - iON Assessment Delivery Partner
 - Examination centre for AIEEE
- **ACCREDITATION WITH ACCENTURE** for :
 - Students training under HSFP program
 - Campus Placements
- **MOU WITH WIPRO TECHNOLOGIES LTD.**

Wipro, as industry leader, took this challenge as part of its Quantum Innovation project to create significant change in the employability landscape. Its vision is “In Pursuit of Excellence in Engineering Education through Innovation”. Mission10X was formally launched by Wipro Chairman Azim H Premji amidst Academicians on 5 September, 2007 – Teachers day.

The Mission10X Learning Approach (MxLA) was created, keeping in mind, the current teaching methodology used in engineering institutions and the capabilities of the faculty in these institutes. The implementation of this approach involves a layered set of faculty enablement programs which empower engineering faculty with innovative teaching techniques using which they can help learners:

- Imbibe higher levels of understanding of subjects
- Effectively apply the concepts learnt
- Develop key behavioral skills required for employability
- **ACCREDITATION WITH L&T LTD.** for :
 - Students training
 - Industrial visits
 - Campus Placements
- **ERICSSON EMPOWER - UNIVERSITY PROGRAM** for :

This is a “round the year’ involvement program in 3 major phases :

 - **CONNECT** – Internship opportunities to students
 - **EXCEL** - Telecom training opportunity to students
 - **CAREER** - Placement opportunities with Ericsson
- **ACCREDITATION WITH CAPGEMINI** for :
 - Students Placements
 - Industrial visits
- **ACCREDITATION WITH FISERV** for :
 - Students Placements
 - Industrial visits
- Soft-skills Training Programs for Personality Development and for enhancing the aptitude level of the students.
- AMCAT Test by Aspiring Minds for the assessment of technical and logical ability of students.
- 100% placement of students year-on-year with the best corporate houses.

INDUSTRY ALLIED PEDAGOGY LEADING TO RECORD BREAKING PLACEMENT, ONCE AGAIN

GAP

**GALGOTIAS
ADVANCED PLACEMENT**

1

Industry integrated learning

2

Equipped with emerging technologies

3

Applied-research based curriculum

4

Project based learning

6

Adhering to world class academic standards

ABET

Accreditation Board for Engineering and Technology, one of the world's biggest engineering accreditation bodies

85%
PLACEMENTS

34%
MULTIPLE JOB OFFERS





**OVER
250
PROMINENT
COMPANIES VISIT
GALGOTIAS FOR
RECRUITMENT**

INDUSTRY LEADERS ON GALGOTIAS STUDENTS



COGNIZANT TECHNOLOGY SOLUTIONS

Dear Prof. Manisha Chaudhry

Cognizant would like to thank all the students of the 2015 batch of Galgotia's College of Engineering and Technology, faculty and college placement team, for a great recruiting season! We saw high caliber of education and discipline in the team that represented your college and we are happy to continue this association with you.

Regards,

Ashok Ranjith R

Human Resources- Talent
Acquisition | Cognizant
Technology Solutions



ERICSSON INDIA PVT. LTD.

Dear Manisha Mam

The campus process was conducted with a good infrastructural support and strong administration. This helped us run the entire process efficiently and effectively.

The students exhibited discipline and were receptive in the entire process. We enjoyed interacting with them!

Regards

Saurabh Sharma

Campus Recruitment & Employer
Branding
Human Resources
Ericsson India Pvt. Ltd



ACCENTURE INDIA

"We wish to congratulate all the selected students, faculty and management for their focus on imparting quality education which led to selection of good students during the campus recruitment process conducted for 2012 batch pass outs."

Shoaib Mehraj

North Zone Hiring Lead
India Campus Recruitment
Accenture Services Pvt Ltd



Dear Manisha

Wipro has been a regular recruiter at Galgotia's for many years now and we have been

experiencing a set of very professional and well-groomed candidates for its recruitment. The institution has a good talent pool of fresh minds who have been trained to become industry ready in state of the art infrastructure with a very high focus on technical capability as well as soft skills of students.

We have been getting excellent support from the management as well as career development cell in all our engagements with the college and we would like to make this association to bloom further in times to come, adding to our talented global workforce pool enabling our organization and society to reach greater heights.

Wishing the institution all success to become a destination of choice in Engineering education.

Viswanathan
Head-Engineering Hiring
Wipro Ltd.



INFOSYS TECHNOLOGIES LTD.

Greetings!

Please accept my Congratulations on the way your students have performed at our selection process this year. I am glad to share with you that a total of 232 of your students have made it through our selection process and the credit for this definitely goes to the right training imparted by the College and the commitment at all levels displayed by management and placement cell.

The number of students who have cleared our selection process has always been moving Northwards and I wish your students good luck to perform like this and even better for years to come. I must share that your students have been great when it comes to discipline and are extremely articulate. They come across as assertive and very high on learnability.

I look forward to a very long and fruitful relationship with Galgotias. Thanks again.

Thanks & Regards,

Sudhir Mishra

Regional Recruitment Lead-
Northern, Eastern, Western, North-
Eastern, Central India & A.P

Tech Mahindra TECH MAHINDRA LIMITED

Galgotians are trained to be apt for any corporate role. Their intense interest, persistent attitude and intellectual curiosity drive them to get deeply involved in their work and excel in it. In accordance to my unbiased opinion they has rich blend of creativity, temperament and discipline required for a person to stand out

Rajib Das

Resource Management Group
Tech Mahindra Limited

Student's Club and Societies



Martial Arts Club



Apes Club



Galgotias Riding Club



Grace Club



Dramatics Club



Fine Arts Club



Humans of Gal



Galgotias Dance Club-Studio D



Galgotias Photography Club-Cam Circle



Galgotias Gaming Club - F.R.A.G.



Galgotias Robotics & Innovation Club



Note Veda - The Music Club



Mechelites Motorsports Club



Scintillations The Fashion Club



Spic Macay Club



Lingo-Freaks-The Literary Club



Galgotias Youth Parliament



Multicultural Business Scholars club



Quizita Mavens - Galgotias Quiz Club



GU Management Club



The Humanity Saviours



The Creative Club



Galgotias Sports Society



Verve Club

Martial Arts Club

Apes Club

Galgotias Riding Club

Grace Club

Dramatics Club

Fine Arts Club

Humans of Gal

Galgotias Dance Club-Studio D

Galgotias Photography Club-Camcircle

Galgotias Gaming Club - F.R.A.G.

Galgotias Robotcs & Innovation CLub

Note Veda - The Music Club

Mechelites Motorsports CLub

Scintillations-THe Fashion Club

Spic Macay Club

Lingo-Freaks-The Literary Club

Galgotias Youth Parliament

Multicultural Business Scholars Club

Quizita Mavens - Galgotias Quiz Club

Gu Management Club

The Humanity Saviours

The Creative Club

Galgotias Sports Society

Verve Club

ON-CAMPUS HOSTEL

YOUR HOME AWAY FROM HOME

Living in the hostel can teach one more than what they would have learnt in the classroom. In fact, there are some things only living away from home can teach.



1400 SEATER (AC/NON-AC HOSTEL)

BOYS HOSTEL FACILITIES

LEVEL 0 > CR001 ▶ SQUASH COURT
CR002 ▶ FITNESS CENTRE
CR003 ▶ BADMINTON COURT
CR004 ▶ HAIER SMART LAUNDRY

LEVEL 1 > CR101 ▶ TV LOUNGE
CR102 ▶ POOL ROOM

LEVEL 2 > CR201 ▶ YOGA, MEDITATION AND MARTIAL ARTS ROOM
CR202 ▶ TABLE TENNIS ROOM

LEVEL 3 > CR301 ▶ DANCE ROOM
CR302 ▶ CARROM ROOM

LEVEL 4 > CR401 ▶ SNOOKER AND BILLIARDS ROOM
CR402 ▶ DART ROOM

LEVEL 5 > CR501 ▶ READING ROOM
CR502 ▶ PROJECTION LOUNGE

LEVEL 6 > CR601 ▶ AIRHOCKEY AND FOOS BALL ROOM
CR602 ▶ MUSIC ROOM

LEVEL 7 > CR701 ▶ PLAY STATION AND X BOX ROOM
CR702 ▶ INDOOR GOLF ROOM

LEVEL 8 > CR801 ▶ COMMON LOUNGE
CR802 ▶ COMMON LOUNGE

LEVEL 9 > CR901 ▶ COMMON LOUNGE
CR902 ▶ COMMON LOUNGE

BOYS HOSTEL FEE (In Campus)

2 Seater (AC)	Rs.1,40,000/- p.a.
2 Seater (Non-AC)	Rs. 1,10,000/- p.a.

GIRLS HOSTEL FEE (In Campus)

3 Seater (AC)	Rs.1,40,000/- p.a.
3 Seater (Non-AC)	Rs. 1,15,000/- p.a.





ON-CAMPUS CAFETERIAS

Galgotias University has a well ventilated, spacious, centrally-located dining hall and cafeteria that provide wholesome fare to all students. The dining hall is managed by professional staff who provide hygienic and fresh vegetarian food. The cafeteria offers a good menu of multi-cuisine delights, amidst a lively, jolly atmosphere. An exclusive corner sponsored by WHSmith outlet. There are water coolers with Zero-B for safe drinking water on all the floors of every building. Haier laundry service (with app enabled)

GROUND FACILITIES

- 3 Basketball & Badminton Ground
- 2 Football & Hockey Ground
- One Squash Room
- 4 Table Tennis & Volleyball Ground
- 2 Athletics Room
- 2 Cricket Ground



MARTIAL ARTS

Galgotias Martial Arts Club has an aim to provide training in Karate and Self Defence to the students of Galgotias.

HORSE RIDING

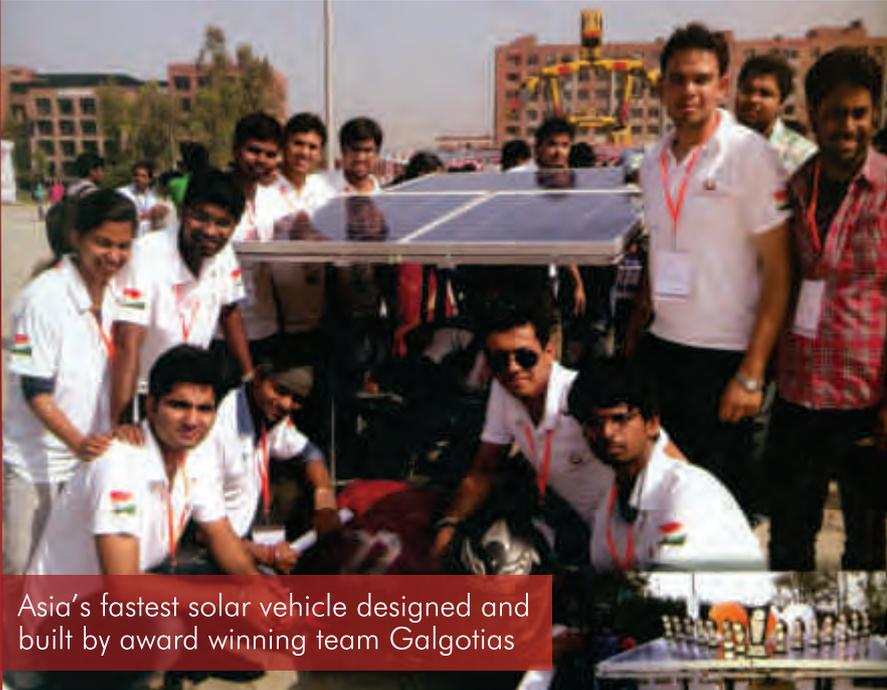
It was the first time in Galgotias University that the Horse Riding Club was established for giving something new and best opportunity to all the students free of cost with all the safety and precautions.



The food is outsourced to Sodexo which means the food is of good standards as Sodexo is one of the biggest food providers for educational institutes in the nation and has maintained its good reputation. It not just provides food, but also takes care of the maintenance and cleaning.



STUDENT'S ACHIEVEMENTS



Asia's fastest solar vehicle designed and built by award winning team Galgotias



Tanmay Bakshi, Youngest IBM AI Expert at Galgotias University



VISIT TO GRACE HOPPER CONFERENCE, ORLANDO

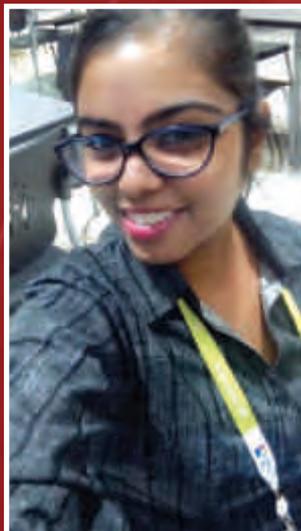
Galgotias student **RIYA SINGH** selected for a travel grant from



to attend world's largest conference for women in tech: grace hopper conference



Best Athlete Award (Girls) goes to Ms. Aditi Uppal from Department of Electronics & Communication Engineering



EEE Dept. students have won **RUNNER-UP** in International Autonomous Robotics Championship held at Indian Institute of Technology Kanpur, Uttar Pradesh

Brilliant Students Outstanding Achievements



Galgotias students designed AR-17 that'll clock speed of 100 Kms in just 7 seconds



Galgotias students designed a vehicle out of waste



Team Galgotias cutting-edge entry for **The NASA Human** Exploration Rover Challenge held at NASA's Marshall Space Flight Center, Huntsville, USA

PATH-BREAKING RESEARCH BY STUDENTS



EMG PROSTHETIC HAND

Mr. Devbrath Pant,
B.Tech. student



This unique innovation aims to build a future with ZERO carbon footprint. The vehicle will be equipped with a modified 4 stroke engine which will run on LN2 and will replace auto rickshaws in the market. It will be highly beneficial in reducing air pollution in cities with AQ, Air Quality Index, higher than 95.

Benefits:

- Zero emission
- Zero carbon footprint
- Low cost
- Lesser leakage risk
- LN2 vehicles are much lighter



LIQUID NITROGEN FUELLED VEHICLE

Mr. Sambhav Tyagi
B.Tech. student



Myo control prosthetic hands are very expensive with costs ranging from US\$30000 to US\$100000. This invention will be a boon for poor people who can't afford Myo control prosthetic hands.

In this a tiny device will be attached to a nerve that would adjust the electrical signals between the brain and the organs in the body.

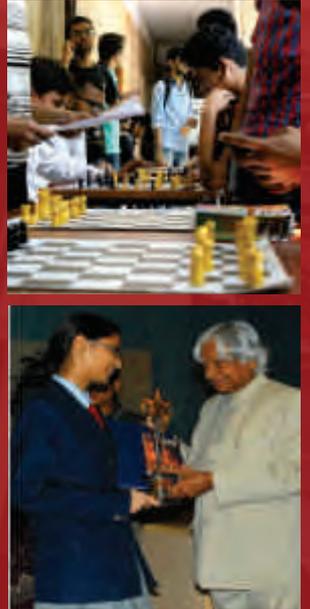
GALGOTIAS CULTURAL EVENTS











GALGOTIAS UNIVERSITY

Plot No.2, Sector 17-A, Yamuna Expressway, Opposite Buddh International Circuit,
Greater Noida, Gautam Buddha Nagar, Uttar Pradesh, INDIA

Contact : 0120-4370000, 9810162221, 9582847072 Email: admissions@galgotiasuniversity.edu.in

Website: www.galgotiasuniversity.edu.in