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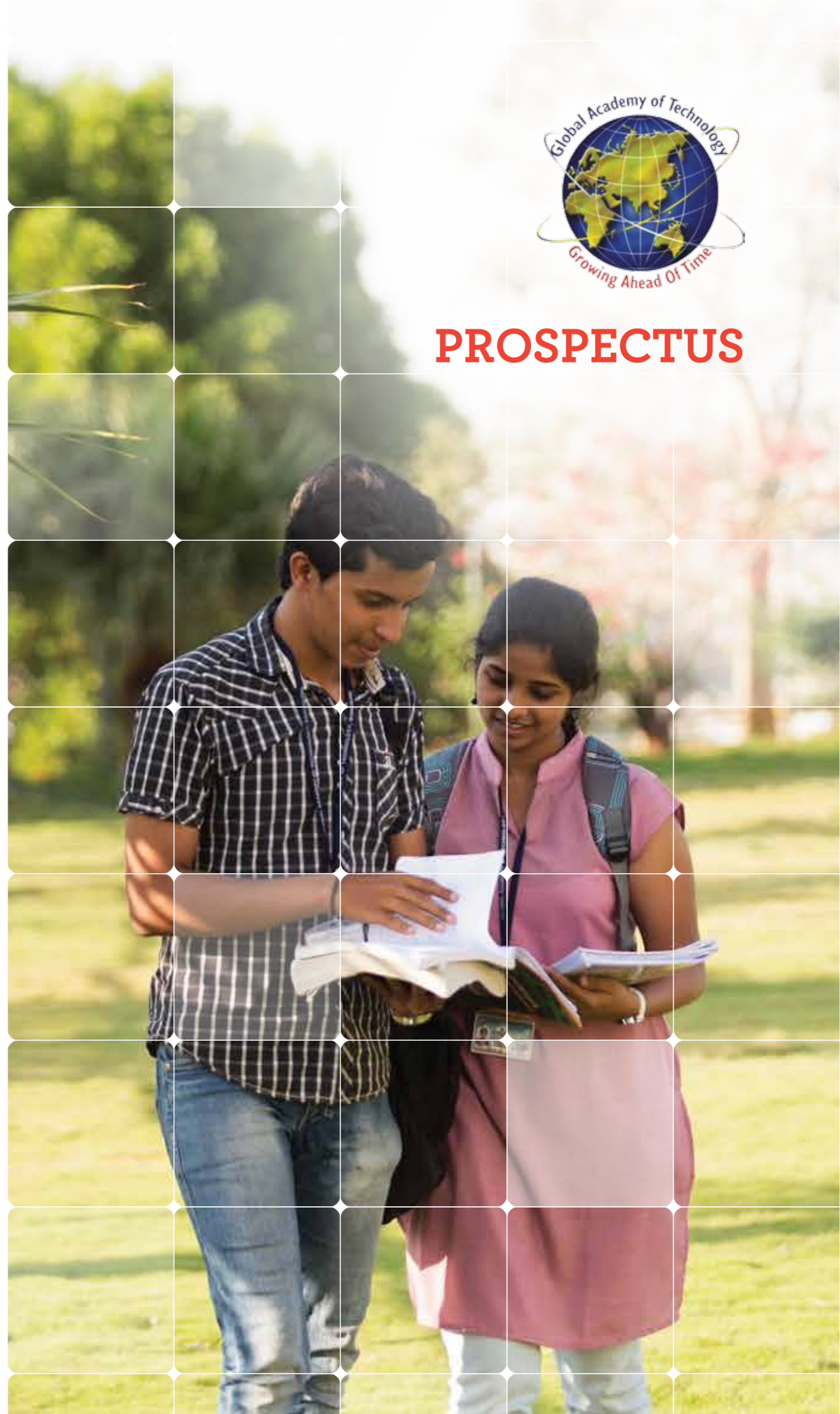


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A diverse and a global learning experience

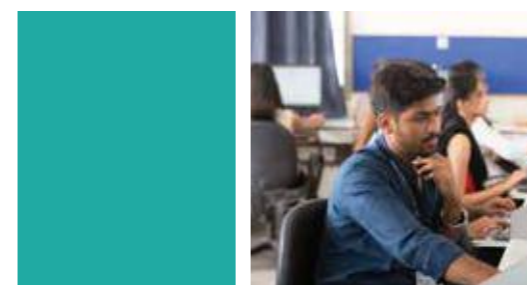


**PROSPECTUS**



“Intelligence plus character  
– that is the goal of true education”.

- Martin Luther King, Jr



CONTENTS INSIDE

Welcome to GAT	02
Vision and Mission	04
Why GAT...?	05
About NEF	06
The Leadership	08
Message from The Chairman	10
Message from Principal's Desk	11
Message from Trustees	12
Programmes Offered	14
Entrepreneurship Development Cell	16
Placement Training Services	18
Student Life @ GAT	20
Library	22
Food Court	23
Hostel Facilities	24
Transport	26
Culture	27
Sports	28
Basic Sciences	29
Computer Science & Engineering	30
Electronics & Communication Engineering	32
Electrical & Electronics Engineering	34
Mechanical Engineering	36
Information Science & Engineering	38
Civil Engineering	40
UG Admission Procedures	42
UG Admission Lateral Entry	44
M. Tech	46
MBA	48
M Sc. and Ph. D	50
PG Programs Admissions	52
Allumini	56



# WELCOME TO GAT

GAT was established in the year 2001 and is one of most sought-after engineering and management colleges in Bangalore, Karnataka has to offer. GAT is affiliated to Visvesvaraya Technological University, recognised by the Government of Karnataka and approved by the All India Council for Technical Education. Located in a green and vast 10-acre campus, GAT has a contemporary multi-media smart classrooms, modern laboratories, seminar halls, Auditorium, an up-to-date Library with volumes of recommended and reference books along with e-journals and a well-equipped computer centre. GAT provides 24 x 7 high-speed Wi-Fi facilities and web based CMS & LMS for video streaming which is an integral part of e-learning. The institute provides ample opportunities for the holistic development of the students in the form of Co-Curricular and Extracurricular activities.

GAT also offers a large cafeteria and well-maintained hostels for both boys and girls for a convenient and a safe stay. GAT has an academic alliance with various industries and research organisations to provide with today's industry perspective to the students.

The campus is a home to more than 3000+ students and 300+ experienced staff which includes Faculty members and Technical support staff involved in effective Teaching and Learning Process (TLP). They will oversee your academic progress, and teach you throughout your stay at campus. A fully established mentoring and professional counselling system, aid in fostering the academic development and welfare of each and every student all the time.



# VISION AND MISSION

## Institute VISION

Become a premier institution imparting quality education in engineering and management to meet the changing needs of society

## Institute MISSION

M1: Create environment conducive for continuous learning through quality teaching and learning processes supported by modern infrastructure

M2: Promote Research and Innovation through collaboration with industries

M3: Inculcate ethical values and environmental consciousness through holistic education programs



# WHY GAT ...?

Here are the twenty compelling reasons why YOU should join GAT !!!

01. Get 100% placement opportunity
02. Develop competency to consistently achieve 90% & above results
03. Be taught, guided and trained by highly experienced, well qualified and passionate faculty
04. Be part of Student Centric Outcome based TLP-Teaching Learning Process
05. Augment your classroom learning in laboratories with hands-on experience using modern equipment and tools.
06. Get academic support and exclusive learning assistance beyond class hours
07. Be able to get student Internships and Projects through institute's established Memoranda Of Understanding (MOU) with companies of repute
08. Receive expert guidance and training on technical domains for placement and career development
09. Improve your soft skills and English proficiency through Integrated Student Development Program
10. Get connected to practicing engineers and professional network, as a Student Member of PROFESSIONAL BODIES
11. Seek in-house personalized professional and proctorial counseling
12. Get recognized for academic, cultural & sports achievements and NSS activities
13. Be a part of 15-year- old institute with 3000+ students, 300+ staff and a large alumni network
14. Stay connected with Wi-Fi enabled campus with 65 MBPS internet connectivity and 24 x 7 e-learning support
15. Use our modern library having a large collection of books and e-library facilities for enhanced learning
16. Have easy access to online academic self-service portal as student and Parents
17. Relish sprawling and lush green environmental friendly campus with high-class amenities
18. Stay comfortable in hostels provided exclusively for boys and girls with Wi-Fi facility
19. Be connected through well-knit transportation facility from all over the city
20. Get engaged with diverse student community in a ragging free campus

# About NATIONAL EDUCATION FOUNDATION

Dedicated to the cause of imparting quality education, the NATIONAL EDUCATION FOUNDATION (NEF) was established in the year 2000, in Bengaluru – the IT capital of India.

Since its establishment, NEF has been spearheading a revolution in professional education in India, it has been rendering exemplary services in the field of higher education in a short span of time with the emphasis on job-oriented professional courses in Engineering, Management, Medical Services and many more. Our mission is to facilitate the comprehensive and integrated development of individuals for an effective function as social beings and our vision is cater to all aspiring students across the country starting from Primary to Postgraduate Education in all disciplines.

NEF has a broad spread of educational institutions such as National Hill View Public School (NHVPS), Global College of Nursing (GCN) and Global Academy of Technology (GAT) offering Engineering and Postgraduate MBA programmes.

The dedicated and passionate faculty at NEF paves the way for novel learning experience through the usage of modern teaching aids housed in state-of-the-art infrastructure and reverberating lush green campuses, in fulfilling the dreams of the aspiring students.



“ Equipped with state-of-the-Art teaching aids housed in finest Infrastructure and reverberating campuses. ”

# THE LEADERSHIP

## The Trustees...

The foundation truly values and constantly strives towards the philosophy of "Service to Society through Education". Conducting all the activities of the foundation is a team of fully dedicated trustees.

### THE CHAIRMAN

Sri D.K. Shivakumar, hailing from a tiny village of rural Bangalore chairs the NEF. An active, young & dynamic personality and a visionary dedicated to the upliftment of the youth through service in public life and EDUCATIONAL medium, rightly describes the chairman.



### SRI VENKATAPPA

Additional Trustee Secretary

a retired bank official but full of enviable enthusiasm, a humanitarian to the core with handful of activities of his packaged drinking water enterprise is the senior most trustee always available for guiding the foundation with his matured advice for right decision making. Once a barren land but today a highly lauded lush green campus of the institution is the result of his hard work and belief in providing right ambience for the students pursuing professional education.



### SRI D K SURESH

Member Trustee

the youngest trustee, a bundle of energy always resultoriented aims at higher accomplishments. His exceptional quality of organizational skills has always borne fruits in successfully conducting any of the in-campus activities.



### SRI C GANGADHARA MURTHY

Trustee Finance

a financial wizard, a successful entrepreneur and a multi faceted businessman leads the team in the capacity of Managing Trustee. His passion for education is being fulfilled through commitment for the growth of GAT.



### SRI S LEPAKSHA

Trustee Secretary

a qualified electrical engineer and a focused educationist is the person instrumental in developing and sustaining the high standards of quality that GAT boasts of. Providing 150 lakh liters of water through STP facility and rain water harvesting into GAT campus epitomizes his irresistible care for preservation of natural resources as a true environmentalist.



### SRI K SRINIVAS

Member Trustee

an enterprising entrepreneur always in the forefront when it comes to considering creative ideas and suggestions. He is a source of inspiration in all the spheres of student and faculty activities with a motto to achieve excellence.

# MESSAGE FROM THE CHAIRMAN



Dear Students,

As you cross the traditional threshold and step into the exciting journey at GLOBAL ACADEMY OF TECHNOLOGY which is a vibrant institution where the realm of professional education is unfastened to achieve your goals and fulfill the dreams. I look forward to you becoming, not just an engineer or a manager but as a holistic personality to contribute to our nation's prosperity through individual growth.

We simply believe in treading the path of Quality and Discipline, which is the basic mantra of success in our institution. You have entered into an educational experience, which goes far beyond the course of your choice in engineering. Within this temple of learning, we offer you multiple opportunities abound to experience as you learn so that you in turn contribute

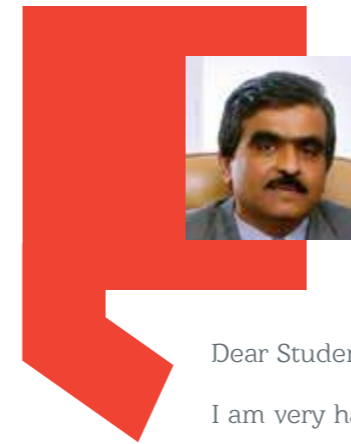
to the betterment of the society and mankind through your immense technical knowledge and innate sensitivity to the dynamics of the times and the environment around you. You are the future of our great nation and our vision is to see you as responsible individuals with the pursuit of excellence as your motto in all that you undertake. To achieve success YOU must know what you want to achieve; And you must know how you can achieve it, never give up until you achieve it.

ACHIEVE YOUR GOAL

Best Wishes,

D. K. Shiva Kumar  
Chairman  
National Education Foundation

# MESSAGE FROM PRINCIPAL'S DESK



Dear Students,

I am very happy to meet you through this page. Global Academy of Technology has stood above the rest in its approach to its education and in its pedagogies. The methods we use to teach and the ways by which our students learn are unique and creative. Consistently, we never hesitated to look into our deficiencies and transform us to an agent of social change. The institute has substantially contributed to the process of Nation building by providing quality education and thereby enabling the students to become globally competent. We have plans and dreams in the years to come. We propose to introduce Academic Audit for every department by external experts. This aims at the regular scrutiny of the quality teaching and the content of teaching.

**"We Shall always strive to optimally use all means & methods to provide quality education and training to our students to be successful globally"**

Education is not an act of acquiring knowledge but learning a skill to lead life and forming one's personality. This is an ennobling process of growth. I can boldly say that we have excelled in every initiative that we undertook and we have stood together in facing the challenges in realising quality education. In all this, we have made every effort to be sensitive and compassionate to the marginalised and the people in need. I feel happy when bright and talented students perform remarkably well. However what makes me happier is when a weak student from a rural background progresses steadily from poor performance to better performance, moving towards excellence.

Growing Ahead of Time .....

My best wishes to all prospective students and regards to the parents for having bestowed their faith in us. Remaining at your service 24X7,

Yours,

**Dr Rana Pratap Reddy**  
Principal, Global Academy of Technology



Dear Students,

My goal as a senior member of the management team of GAT, is to provide easy access to higher education by training all our students at GAT, with best of skill sets, knowledge, and be globally competitive with winning attitude, for building a great future for our country, and the world at large. This will lead to more jobs and better jobs for all graduating students leading to better living conditions and achievement of fulfilling one's own dream by shaping their own destiny.

Knowledge creation and dissemination is prime motive of our institute. We at GAT envision to create true global citizens who are not only empowered by adequate knowledge but also carry with them, a sound value system.

Having grown into a premier, highly sought after engineering and management institution, GAT has created a significant niche among institutions delivering professional education that is sound, robust and multi-faceted. Excellence and Quality are our watchwords, reflected in our highly conducive and serene learning ambience.

The GAT teaching faculty and support staff who are the epitome of this institution, will ensure proper guidance and personal care is given to all our students to blossom into individuals, who become positive contributors to the world. We thank all the parents, students for trusting us and having full faith in the Institution. I, once again reassure all the parents that their child is in the best environment and in the best hands.

I extend a warm greetings to all the students into GAT to come, learn, experience and Grow Ahead of Time which is our institutional motto. We are delighted to provide you with all assistance in achieving your academic goals.

With Best Wishes,

**S. Lepaksha**  
Trustee Secretary,  
National Education Foundation



## A NOTE TO PARENTS

GAT is a young institution, yet one that has evolved and matured dramatically since 2001. GAT has successfully graduated nearly 4000 plus engineering and 500 MBA graduates till date. GAT has also strengthened and expanded its operation and formed collaborative alliances with many Industry partners to design innovative teaching methods intended to help transform engineering education more broadly. GAT graduates have begun careers in world-class companies large and small,

continued studies in pursuit of advanced degrees at many of the nation's leading universities, joined or founded start-ups, and even gone into some surprising fields for engineers.

Given the extent to which the GAT has developed and matured over the past several years, one thing has remained constant is the spirit of GAT i.e. the excitement and engagement of its students, faculty, staff, and parents in this educational experiment is



Dear Students,

Greetings and many thanks for your interest in Global Academy of Technology (GAT). I congratulate the students and their parents for having chosen GAT, which will provide a life time advantage in their chosen careers. I am proud to say that the student population of more than 3000 students, truly reflects the trust and confidence that the parents and students have bestowed on us.

I welcome each and every student to this portal of learning, where excellence and peak performance is our dialect. Discovering unexplored talents and nurturing them effectively are the driving force of GAT. I am happy to state that the intricately intertwined teaching learning process and human resources has been the main focus of education in GAT during its 15 years of existence. Encouraging our students to work on advanced technologies and make them as innovative, aspiring Engineers and Entrepreneurs rather than being mere engineering graduates is what the Management is striving to do, with the ardent help of our very talented faculty & other staff members of GAT.

## MESSAGE BY TRUSTEES

Maintaining quality standards and ensuring that every graduating student is readily employable with holistic skill, clarity and critical thinking in their chosen field of Engineering and Technology is our goal. I am glad to note that our students have been maintaining excellent standards of discipline and attention to their academic standards. I am really honored and inspired to be a part of this successful journey where it always paves way for your all round development during your stay at GAT.

I encourage all the students to fully use the facilities and the serene ambience provided in this green campus to sharpen one's professional and personal abilities. Let me jog your memory that: "Education is not about filling pail but it is about kindling the fire dormant within you".

A step into the GAT is a right step into a brighter world of education and a knowledge hub.

Wishing you all Good Luck

**Venkatappa**  
Additional Trustee Secretary  
National Education Foundation



truly amazing. Almost everything about GAT is different, starting with its mission: to prepare students to become exemplary engineering innovators. Combined with a highly innovative teaching learning process, wonderful facilities, outstanding faculty, staff and students, an involved and supportive parent community, active alumni's all have contributed to the success of the college. As a result, GAT's reputation has grown at an astonishing pace.

Every year prospective students and parents concerned with the question of "What's GAT...? and Why GAT...?" have grown increasingly comfortable with the decision to join GAT. Merely an idea less than 15 years ago, as the increasing number of companies that come to campus to recruit, the collaborative efforts with Industries, and the success of GAT's graduates all confirm. We are very proud of our achievements and excellent academic records at GAT





## AFFILIATION, RECOGNITION & APPROVAL

- Affiliated to Visvesvaraya Technological University (VTU), Belagavi
- Recognized by Government of Karnataka
- Approved by All India Council for Technical Education (AICTE), New Delhi

## PROGRAMMES OFFERED

### UNDER GRADUATE ENGINEERING PROGRAMMES

- Computer Science & Engineering
- Civil Engineering
- Electrical & Electronics Engineering
- Electronics & Communication Engineering
- Information Science & Engineering
- Mechanical Engineering

### POST GRADUATE & DOCTORAL PROGRAMMES

- M. Tech. (Master of Technology)
  - » Thermal Engineering
  - » Structural Engineering
  - » Computer Science and Engineering
  - » Digital Electronics and Communication
- MBA (Master of Business Administration)
- M. Sc. (Master of Science) Engg.
- Ph. D. (Doctor of Philosophy) Engg.

# Entrepreneurship DEVELOPMENT CELL

The Entrepreneurship Development Cell (EDC) at GAT was initiated with the objective of promoting specialised knowledge in the field of entrepreneurship development. In view of the worldwide shortage of jobs (both government and private sectors) leading to unemployment problems and lack of proper utilisation of human resources; the cell strives to identify talented youth to entrepreneurial works. The cell plans and organizes various programmes regarding entrepreneurship development and help in establishing center of excellence and incubation center for the benefit of students and staff.



## Objectives of the EDC

1. To conduct orientation programmes and organise Entrepreneurship Awareness Camps for students to attract them into establishing their own enterprises.
2. Creating awareness among the students of the GAT regarding entrepreneurship as a career option.
3. To organise guest lectures, entrepreneurial talks, seminars, etc. For promotion and growth of entrepreneurship.
4. Conduct training programmes in the field of entrepreneurial skill development.
5. Develop entrepreneurship-related course curriculum to incorporate in management and engineering programmes.
6. Provide guidance and facilities to first time entrepreneurs during gestation.
7. To arrange visits to industries for Students.
8. To organise special skill development programmes for students.
9. To conduct workshops driven by successful entrepreneurs.
10. To act as an information centre on entrepreneurship.



# PLACEMENT TRAINING SERVICES

## PLACEMENT HIGHLIGHTS

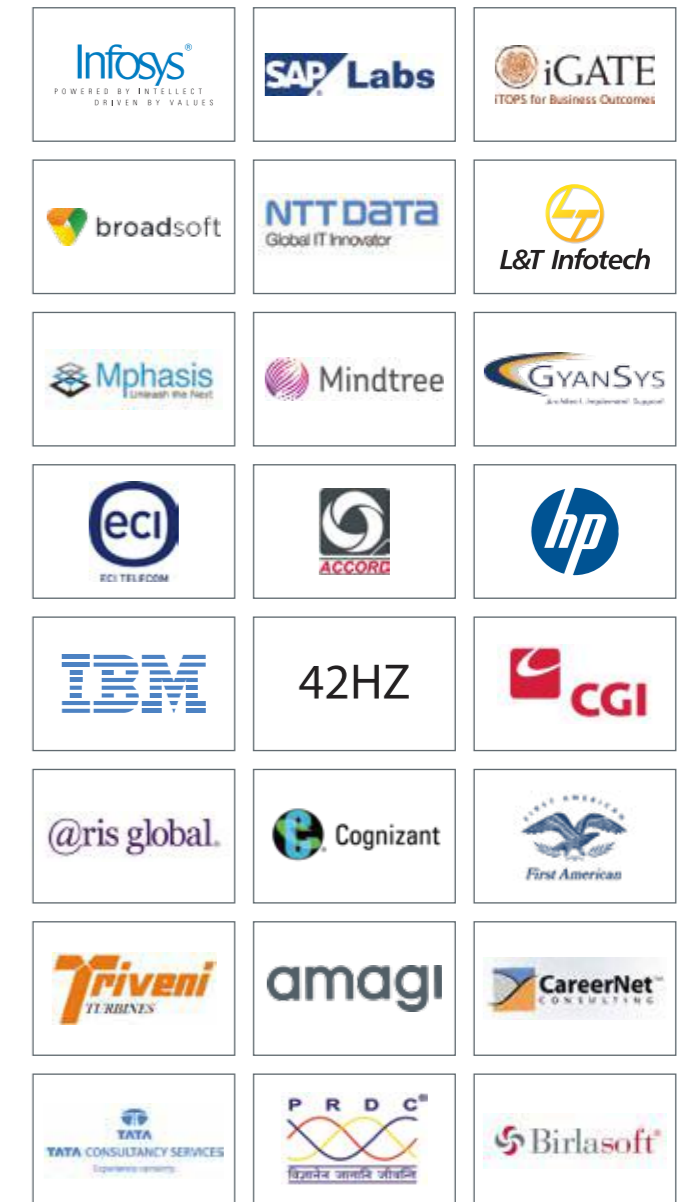
- 240+ Offers with an average salary of 3.25 lacs per anum during 2015-16 and still ongoing
- Many of our students have 2 and 3 offers in hand
- Good number of students have multiple job offers which include Work Integrated MS Degree and dream offers with salary package reaching upto 6.45 Lacs PA

## TRAINING HIGHLIGHTS

The main objective of the Placement department is to ensure that every student undergoes intensive training program focusing on Industry readiness, by enhancing the effectiveness of the students aspiring for placement.

- Soft skill training before placement
- Aptitude skill training program to prepare for placements
- Group Discussion - Personal Interview Skills

## OUR TOP RECRUITERS



## CAREER GUIDANCE

At GAT, every effort is made to ensure that the students pursue their dream career in the area of interest, be it placement or higher studies or to be an young Entrepreneur. We guide the students to take post placement decisions while choosing the company to join.

For those who would like to pursue higher studies we help them to achieve success in competitive exams like GATE, GMAT, GRE and TOEFL, by providing ample opportunity to

interact with many consultancy services at the institute during their final year studies through goal oriented seminars. Further, we also provide advice in identifying the opportunities for higher studies in domestic and international institutions through career guidance counselling session with their respective head of the department. All entrepreneurship initiatives are enabled through EDC.

The path to success...

GAT is located in a beautiful and welcoming part of the city where you can have a fulfilling and vibrant campus experience. There is an amazing range of opportunities to suit all tastes and interests and for all students to be a part of and contribute to the diverse and dynamic community where college life extends beyond the 'classroom'.

Life at GAT doesn't stand still. With over 3000+ students from all walks of life and a vibrant urban setting, it's no wonder the campus community talks about a "fear of missing out." Jump in and find out how dynamic and interconnected life at GAT can be.

#### THE CAMPUS LIFE

GAT is a distinctive community that inspires its students to achieve their goals, both inside and outside the classroom. The campus offers a myriad of opportunities for student engagement and support. The stunning natural beauty of our campus is a compelling backdrop for your educational journey. Our unique campus and its surrounding community nurture students in their studies and personal lives. GAT is committed to supporting all of its students.

There's a unique and unmistakable energy that characterises student life at GAT. The campus is bursting with opportunities to get involved, meet new friends, discover your passions and make a difference. You'll also find an array of services on campus to make you feel right at home and be successful.





# FOOD COURT

## Food for thought

The college phase is one of the most exciting times in the student's journey. The food courts in the campus offer the perfect place to stop for beverages, snacks or a quick meal. The college offers a variety of delicacies that is safe, tasty and hygienic. The food tastes like home which is cooked to perfection and served at great courtesy. The food and refreshments are offered at affordable rates and adequate seating facilities are provided to accommodate students and staff even during peak time.

The college ensures that the food court adheres to the highest degrees of quality, hygiene and great care is taken by the kitchen staff to assure a well-balanced nutritious and tasty food is plated to fuel the students quest towards success. With its friendly atmosphere, the food court has transformed it to one of the most popular places for the students to hang out.

# LIBRARY

## Today a reader. Tomorrow a leader

GAT Library provides an extensive collection of information resources, services and facilities to our students and staff for their learning, research and personal development. In view of the high vision of the college, a well-equipped library with full of resources and services has been established to facilitate the quality and value-added services to its students and staff. Library system of the college is more focused on creating and providing a comfortable and user-friendly environment that enables learning and advancement of knowledge, and also promotes discovery beyond classroom learning.

The college's state-of-the-art library boasts a collection of more than 30000 books, 250 technical journals (69 Indian and 167 International), 3300+ CDs & DVDs, etc. The library diverse selection consists of Textbooks, Reference books, Technical journals, Project reports, Competitive exam books, e-Journals, Yearbooks, Mathematical tables, Encyclopedias and more. The Library is located in the Annex Block-II of the college occupying an area of 800 Sq metres. The campus library is fully automated for instant online access to students and staff to use all types of information for their learning, research, and personal growth.

# HOSTEL FACILITIES

"A Home away from Home" perfectly describes the hostel life @GAT. Exclusive and separate Wi-Fi enabled hostels for boys & girls with all modern amenities and well ventilated, furnished and spacious, twin sharing rooms await the students seeking hostel admission @GAT. The hostels are equipped with ultra modern and hygienic kitchen, which provides nutritious & healthy vegetarian & non-vegetarian food of students choice. A perfect system managed by students is in place to look into the needs of the hostel inmates.

Due to increased student population, a new hostel block for boys and girls is being built to accommodate more than 800 students.



# TRANSPORT

Education is a journey, not a destination.

The journey to the college is most vital for every student and GAT has an excellent bus shuttle service. It's during this time that the temperament is developed for the day's learning. However, any inconvenience in shuttling can have a negative impact. Realising this fact, GAT offers the most comfortable and convenient

transport facility for its students. The institution has a robust transport system with a fleet of buses operating from the campus. They facilitate ease of conveyance for both students and staff.

The buses ply to and from the prominent parts of the Bengaluru city and its suburban areas



# CULTURE

The route of education

Interact is the annual inter-collegiate fest. Rock Band, Fashion Show, Drag Race, Computer Gaming, Dumb Charades, Folk Dance, Light Music, Ethnic Dressing and many others are few of the alluring events of this cultural extravaganza. With a mosaic of cultural & ethnic students, the Interact is always a feast for the Eyes & Ears.

The flavor of cultural activities of GAT are introduced to our students from their time of induction into the campus. A glimpse into the cultural extravaganza at GAT can be truly experienced on every Ethnic and Rajyothsava day celebrations

Events like Talents Day, Tech Day, Department Day and College Day provide students a gala of opportunities to showcase their talents beyond academic boundaries. GAT has won several prestigious prizes and awards in many inter-collegiate, university level techno-cultural competitions.

We are committed to motivate students to participate in various extracurricular activities by ensuring consistent encouragement. The necessary facilities are provided and adequate funds are allotted.

# SPORTS

## Ready. Set. Play.

GAT is committed to holistic development of our students. Sport plays an important part in the student's life at Global Academy of Technology. As a follow-up to this, equal emphasis is laid on sports and games along with academics. The college offers a wide variety of sporting and recreational activities for all its students. The institution has excellent sports facility to promote and encourage sports for its students as part of the development activity. Playground and Equipment for outdoors and indoor games facilities are available for meeting the enthusiasm of such students and faculty.

The indoor and outdoor sports complex housing all the necessary facilities caters to the needs of all the sports enthusiasts. The key highlights of our sports facilities are full-sized well-maintained huge Cricket Ground, Basket Ball Court, Volleyball Court, along with an extended facility to play Khoko, Football, Throw Ball, Net Ball and Tennis. The college has taken great care to appoint a well qualified and experienced Physical Education Director (PED) with whose unstinted effort has enabled the college to win many laurels in Sports and Games competitions.



# BASIC SCIENCES

Any great structure is as strong as its foundation. Similarly, any engineer is as strong as his/her concept of basic sciences. We at GAT, leave no stone unturned with regard to imparting concepts and developments in Basic Sciences – Physics, Chemistry and Mathematics. The Department of Basic Sciences was established in 2001. With its vision “To integrate Science with cutting edge Technology”, BS@GAT has been providing a strong foundation in scientific methods & first hand knowledge of Applied Sciences.

The Teaching-learning process in GAT creates an apt atmosphere in the Institute for effective instruction and learning. We use audio, visual and computer based teaching aids for invigorating experiential learning. Conducting subject seminars and workshops on latest developments in the field are an integral part of our TLP.





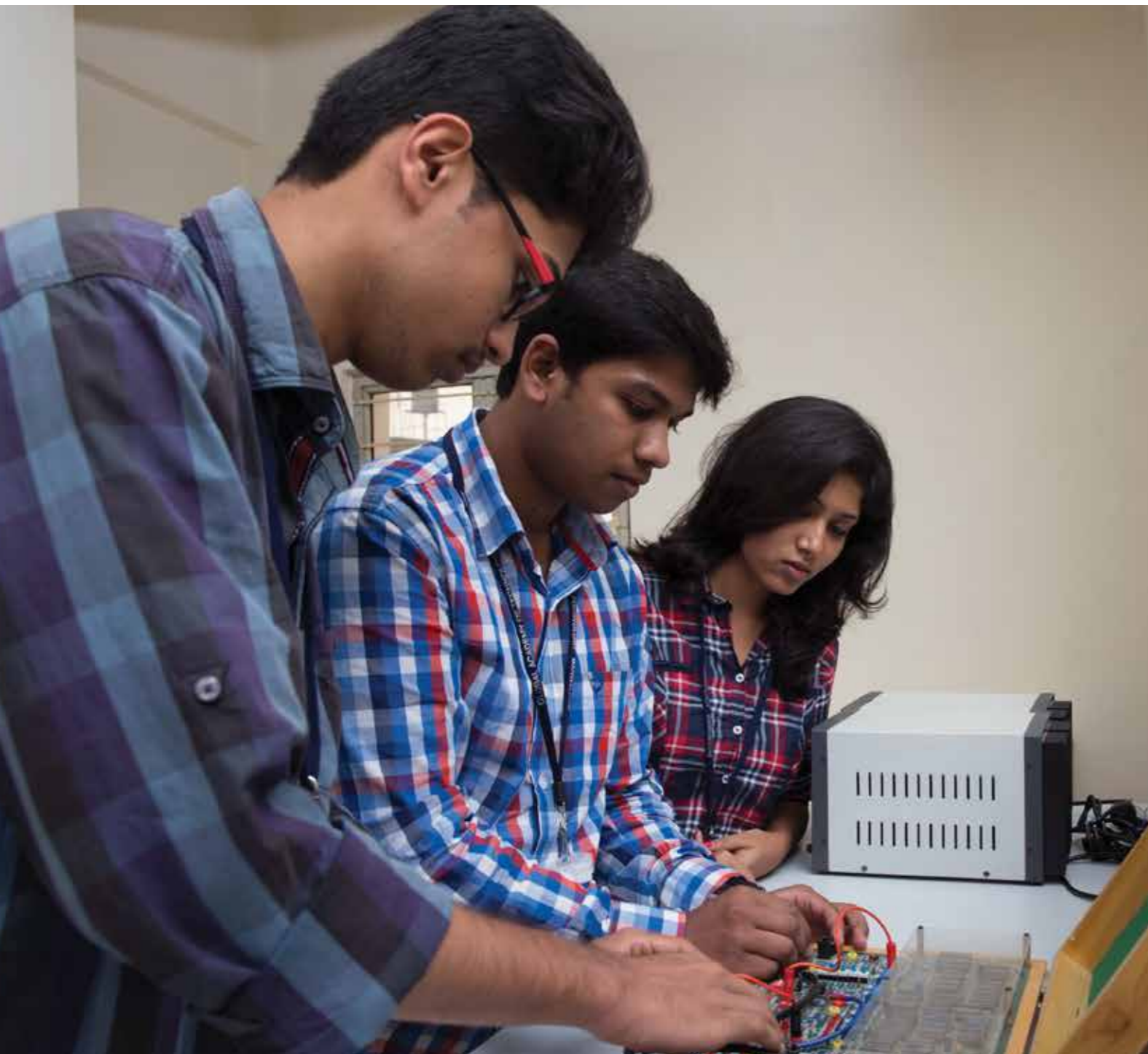
# COMPUTER SCIENCE & ENGINEERING

Revolution in the fields of Computing and Technology is changing our world and hence the society at a rapid pace. In recent years, the government policies and the road map for making Digital India, and to build of smart cities gaining momentum, have become the additional major drivers for being the most sought after branch among all engineering aspirants. Today, Computer Science and Engineering (CSE) combines the intellectual challenge of a young discipline to both industry and academics. Our major forte which really separates us from others, is the stress given to application knowledge and rigorous hands on methodology, coupled with the emphasis that we place on outcome based experiential learning, thus giving remarkable advantage to our graduating students.

Our aim is to equip CSE graduates with all the KSAs - Knowledge, Skills and Attitude much needed for a successful career, shaping the future, by refuelling creativity, innovation and lifelong learning for a changing world. The courses offered in focus areas provide a firm grounding in the fundamental concepts in addition to grinding the KSAs. The department provides a lively and supportive learning environment for students making it interesting.



# ELECTRONICS & COMMUNICATION ENGINEERING



Rapid advancement in the field of electronics and communication is improving common man's life. The Department of Electronics and Communication Engineering at Global Academy of Technology came into existence in 2002. The department is involved in providing quality education at both Undergraduate (UG) and Postgraduate (PG) levels.

ECE is one of the largest departments in institution consisting total of 650 students and adequate number of teaching faculties with core areas like communication, power electronics, VLSI, Digital signal processing & Embedded systems etc., and skilled technical staff. Department is building its reputation step by step with dedicated goal of adding value to life & professional standard.

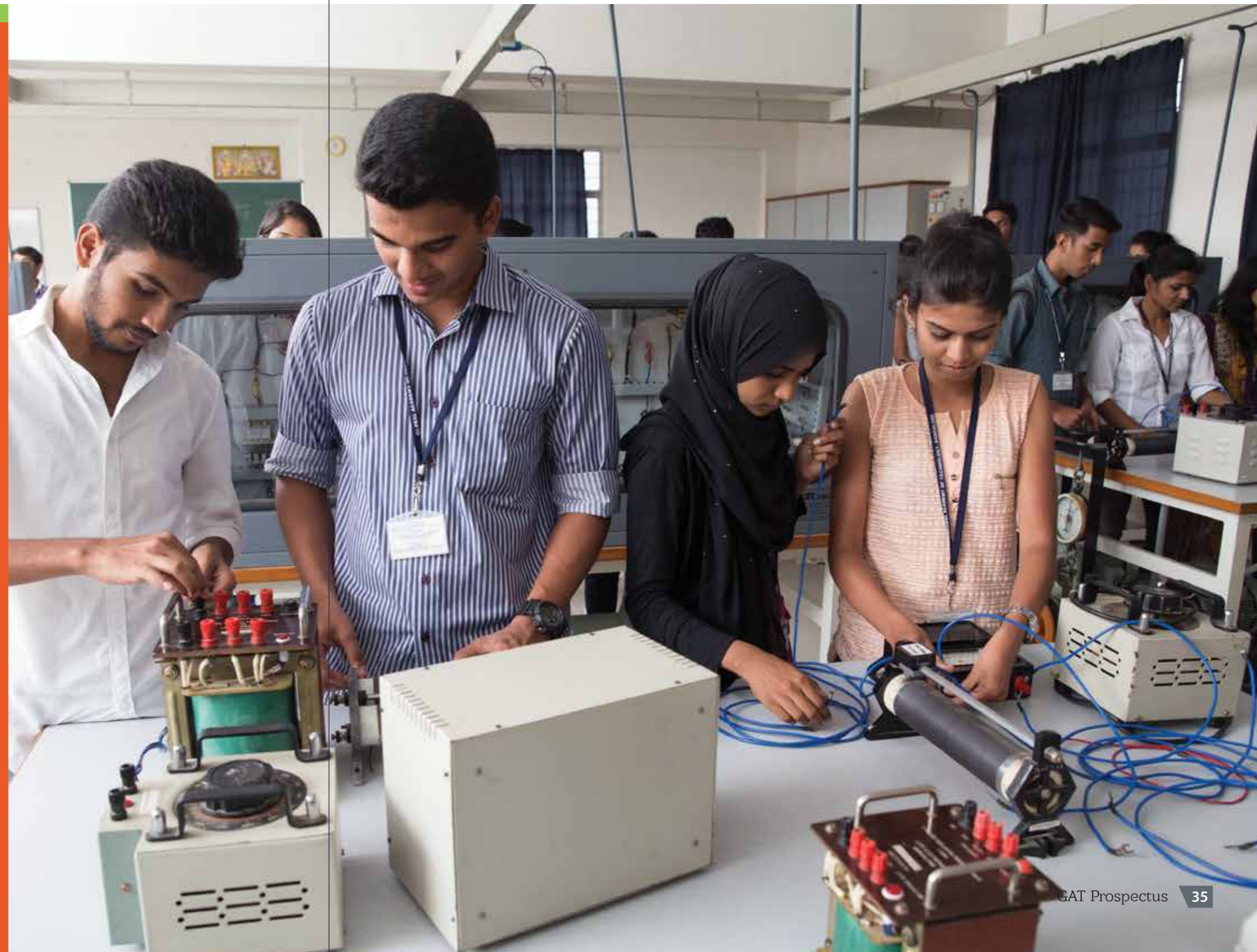
# ELECTRICAL & ELECTRONICS ENGINEERING

The EEE Department provide students with a sound fundamental education in all areas of electrical and electronics engineering. The core courses offered equips students with fundamental knowledge in electrical engineering, including electromagnetic theory, energy conversion, electronics, signal processing, control theory, power systems, high voltage and computers.

At GAT, EEE students experiences an Inspiring, Energetic and Friendly learning environment in the college campus through its innovative theoretical and practical training sessions delivered by experience teachers using advanced teaching methodologies, and adequately supported by classmates, mentors, advisors and staff. The Department has well-equipped classrooms, modern laboratories and computing facilities to meet the needs of tomorrow.

The Department has taken proactive role in establishing the IEEE and ISLE, a student branch to enhance networking of various student interest groups and imbibe leadership qualities in them. Further, to conduct a series of technical events and augment the student learning experience, an exclusive student. forum "GLARE - Global Lightning Association for Rejuvenating Electrical Engineers" has been formed. The EEE department takes pride for having collaborated with "SUN EDISON", a global renewable energy company.

The Department offers ample training opportunities for students in both technical and soft skill, to meet their career needs.



# MECHANICAL ENGINEERING

Mechanical Engineering is one of the broadest and most versatile branches of the Engineering. Mechanical Engineering finds its application in all most all fields of technology. It is one of the core branches of engineering which has remained always in demand and continue to be in the future. This is why Mechanical Engineering is called as the evergreen branch. Mechanical engineers have always been essential staff personnel in various industries of both public and private sector. Their work criteria changes according to the type and domain of the company they are working with. As the Industrial sector has drastically risen in pace, the need for more mechanical engineers has increased exponentially. Every manufacturing and production industry needs mechanical engineers to carry out jobs efficiently and flawlessly for their companies.

Mechanical engineers work in the automotive, aerospace, chemical, oil & gas, heavy engineering, computer, communication, paper, and power generation industries. Mechanical engineers will be found in virtually any manufacturing industry. Increasingly, mechanical engineers are needed in the environmental and bio-medical fields. Indeed virtually every product or service in modern life has probably been touched in some way or another by a mechanical engineer.



# INFORMATION SCIENCE & ENGINEERING



The ISE department whose motto is "Inspiring Students Empowerment" strives hard with the primary intention to impart and imbibe knowledge through a close-knit family of highly competent faculty. Holistic academic exposure to the students is provided by conducting series of guest lectures, workshops, seminars, practice projects, conferences etc with the best infrastructure and facilities.

Many Co-curricular, Extracurricular and fun activities are held to keep the right side of the brain active so as to bring out the creativity of students thereby making the graduate program more colorful and memorable. Creating such a healthy and competitive environment to build the career of students in a progressive manner with positive attitude is the goal of our department.

The Outcome Based Education focuses to provide breadth and depth wise knowledge to the aspiring Engineers of tomorrow in the field of Computer and Information Technology through our graduate program.



# CIVIL ENGINEERING

In the endeavor to serve important wants of human being, food, water & air and shelter, civil engineering plays a dominant role to realize projects intended to meet these wants to raise quality of life. With further impetus on modern day construction facilities civil engineering has become major contributor for nation's growth.

Department of Civil Engineering at GAT is currently offering Bachelor's program in Civil Engineering with an annual student intake of 120 and Postgraduate program in Structural Engineering with an annual intake of 18. Also, the department is a recognized research centre of VTU offering research programs leading to MSc (Engineering by research) and PhD. Well qualified and diversely experienced faculty along with state-of-the-art laboratories are ensuring quality education to students.



Eligibility for Bachelor of Engineering (B.E.)

A pass in P.U.C in Karnataka or in any other State Boards or A Pass in XII Standard of CBSE or any other equivalent examination.

An average of minimum of 45 % marks in Physics, Mathematics, Chemistry or Electronics or Computer Science.

Should have appeared for any one or more of the following Entrance Examination CET OR COMEDK and must have valid rank declared.

## UG ADMISSION PROCEDURES

Admission to Bachelor of Engineering (B.E) in Karnataka will be as per the government order released for the respective admission year. Minimum requirements for admission to Bachelor of Engineering (B.E) in any stream is subject to fulfillment of all the latest eligibility criteria set by AICTE and KEA.

### Ratio of Admission

Seats in Each stream are filled based on the approved intake by the VTU and as per the Guidelines of the Government, as given below:

Through CET ( <http://www.kar.nic.in> ) 45% of the Approved Intake

Through COMEDK ( <http://www.comedk.org> ) 30% of the Approved Intake

Management Seats 25% of the Approved Intake.

Those students who would like to seek direct admission under management quota, are requested to place their admission enquiry online on the college website: <http://www.gat.ac.in>

Alternatively, you are requested to visit the college in person and meet the Admission counsellor or Principal and the respective heads of the department to know more about the various courses and other details that you would like know.

### Qualifying Entrance Exam

The Karnataka Diploma Common Entrance Test is being conducted for the purpose of determining the eligibility / merit, for admission of Karnataka candidates to the Second year or Third semester full time B.E courses in Government / University / Private Aided / Private UnAided professional educational institutions in the state of Karnataka for the respective academic year.

Only 20% of the seats (based on branch intake) will be available for lateral entry admissions through KEA.

Prominent documents to be produced during verification at KEA counselling

Candidates who seek admission to Government seats should compulsorily produce the required documents in ORIGINAL with ONE set of attested photocopies of all the original documents and two passport size photographs along with the Demand Draft for the notified fees, for verification at the designated centers by KEA at the time of registration for seat selection.

After verification, only ONE set of attested photocopies of all the documents will be retained by the KEA and all original documents will be returned to the candidates

1. SSLC marks Card
2. Diploma Marks Card: (all six semesters)
3. Study Certificate: Study Certificate to show that the candidate has studied in Karnataka for a minimum period of SEVEN years from 1st Std. to Final year/Sixth semester Diploma or qualifying examination issued by the Head of the Institution and countersigned by the BEO or DDPI in the proforma prescribed.
4. Rural Study Certificate: to claim the benefit of rural reservation.
5. Kannada Medium Study Certificate: candidates claiming the benefit of Kannada Medium reservation
6. Caste/Caste Income Certificate: SC/ST/OBC
7. Income Certificate

### Eligibility Criteria For Admission to semester III

A candidate who has passed any diploma examination or equivalent examination and obtained an aggregate minimum of 45% marks taken together in all the subjects of the final year (Fifth and sixth semester) diploma Examination (Q.E.) is eligible for admission to B.E courses, and 40% of marks in Q. E. in case of SC, ST and Backward Classes of Karnataka Candidates. The candidates must appear for Diploma Common Entrance Test for admission to B.E courses as per the schedule conducted by the Karnataka Examinations Authority.

# UG ADMISSION LATERAL ENTRY





# M. Tech

## Master of Technology

All the M.Tech programmes are aimed at training manpower with sound theoretical and experimental knowledge in frontier areas of research in engineering, management, sciences and interdisciplinary subjects and best management practices. The emphasis is on understanding the scientific basis and engineering principles involved in solving problems of practical importance in the relevant field using multidisciplinary approach. An important component of these programmes is to inculcate the habit of independent thinking and initiative by the candidates in planning and execution of the research work. These programmes seek to train manpower of the highest quality to cater to the needs of industry, R&D organizations and educational institutions. Candidates who possess the requisite qualifications are eligible for admission to postgraduate programmes in the respective departments of the Institute leading to M.Tech degree.



### Thermal Engineering @ ME

The course focuses on the theory (analytical and numerical) and practice of broad range of industrially relevant topics in the field of Engineering Thermodynamics, Heat transfer and Fluid dynamics.

### Structural Engineering @ Civil

Structural engineering is a challenging field of study, but one with great rewards. It carries with it the satisfaction of doing being able to create something which makes the difference in society and individual lives.

### Computer Science and Engineering @ CSE

The rapid progress in computational science has dramatically changed the way engineers, mathematicians, and computer scientists work. The technological improvement of hard and software and the development of computer-based methods and tools have opened up new possibilities. Today, in the fast-paced industrial growth, many problems of the society can be solved by applying computational knowledge and automation tools. The M. Tech. programme in Computer Science and Engineering empowers students to become leaders in knowledge-driven professions by enhancing their knowledge and skills in applying the mathematical and computational tools in multidisciplinary areas, in addition to generating human resources to support R & D activities in critical areas of automation.

### Digital Electronics and Communication @ ECE

This course on Digital Electronics and Communication Systems aims at providing in-depth knowledge to students of Electronics and Telecommunication background in various subject of present day interest.

### Finance

MBA in finance focuses on courses like costing, budgeting, International finance, Capital Management etc. After going through these courses one becomes specialized in Financial Management thus enabling one to work in finance department of any organization. If you want to pursue MBA in finance then you must be a graduate in any stream and must have liking for maths and statistics.

### Marketing

MBA Marketing is very dynamic and competitive in today's world and a key driver of any company's success. MBA in marketing focuses on consumer behavior, market, advertising and many other important fields. One needs to have excellent communication skills, resource mobilization skills and an undying zeal to excel in marketing. If you want to pursue MBA in Marketing then you must be willing to travel.

### Human Resources (HR)

MBA in HR Management is for those wanting to develop a management career in HR and strategic planning and be part of the recruitment team. This course also includes diversity, mergers and acquisitions, labor markets and emerging economics and international leadership. To be as successful an MBA graduate with HR specialization, one must be good in communication skills, have a charismatic personality, and confident in oneself.



# MBA

## Master of Business Administration

Established in the year 2004, the department is having more than a decade experience in teaching the art of management. With relentless pursuit of vision to provide quality management education in the areas of Marketing, Finance and Human Resource, the department is providing unstinted support to groom and nurture budding managers to blossom in corporate world, as well as motivating students to start new ventures.

Unlike other Post Graduation courses, MBA does not restrict students only for curriculum, but also ensures a powerful life experience. MBA@GAT offers three main value propositions: Skills, Network and Brand.

**Skills-** Include the "Core Skills" of Economics, Finance, Marketing, Operations, Management and accounting, as well as the "Soft skills" of Communication, Leadership, Team work, Ethics, Creative thinking, Diplomacy and many more.

**Network -** Access to a large network of MBA Students, Alumni, Faculty Members, Business and Community Leaders.

**Brand -** A recognized brand that signifies management and leadership training-Value embedded. MBA@GAT would have a major thrust in one's career, opening doors into the corridors of the corporate world.

M. Sc. (Engg)  
Master of Science

Ph. D. (Engg)  
Doctor of Philosophy

## About M. Sc. and Ph. D. Research Program

For candidates who would like to pursue research in specific areas are encouraged to register for MSc /PhD program with thesis option. By studying a PhD / MSc by Research one will be leading pivotal change that underpins business interests and creates a tangible impact on society. A PhD degree is a necessary experience / training for anyone wishing to start an academic career. During PhD course, one will gain the essential scientific skills and research methods in addition to improved my interpersonal ability.



# M. Tech

**M.Tech Eligibility Requirement:** Candidates with valid GATE score and PG CET rank are eligible to seek admission under Government Quota. Only GATE score is usually valid for two years and must have obtained minimum prescribed score.

**Note:** Candidates with valid GATE scores need not appear for Karnataka PG CET and will be given preference over the others. For receiving GATE Scholarship, a candidate must have a valid GATE Score.

**Qualification requirement:** A candidate who has passed prescribed qualifying examination or equivalent examination and obtained an aggregate minimum of 50% marks taken together in all the subjects in all the years is eligible for admission to M. Tech program. 45% of marks in case of SC, ST and Category-I candidates.

**Other Requirement:** The candidate should have studied and passed in one or more Government

or Government recognized educational institutions located in the State of Karnataka for a minimum period of SEVEN academic years commencing from 1st standard to qualifying examination either continuously or in broken period as on 1st July of the year in which the Entrance Test is held in a Government recognized institutions located in Karnataka State. In case of the candidate who had taken more than one year to pass a class or standard, the years of academic study is counted as one year only.

**Seat Allotment by KEA:** In the case of M.Tech. (Full Time) courses, first seat will be allotted to VALID GATE SCORE candidates irrespective of the Karnataka or non-Karnataka. However, reservation is applicable only to those who become eligible as Karnataka candidates and the same is not applicable to Non-Karnataka GATE rank holders. Non-Karnataka GATE rank holders will be considered under Open / General Category.

# PG PROGRAMS ADMISSIONS

## MBA

**For MBA Eligibility Requirement:** Candidate who has passed Recognised Bachelor's Degree (like BBA, B.Com, BA, BSc etc..) of minimum of 3 years duration examination or equivalent examination or higher Degree like B.E., M.Tech, ME etc..and obtained an aggregate minimum of 50% marks taken together in all the subjects including languages in all the years of the Degree Examination is eligible for admission to MBA courses. (45% of marks in Q. E. in case of SC, ST and Category-I of Karnataka candidates). Must have a valid PG CET score/rank.

**Eligibility Clause under Government Quota:** The candidate should have studied and passed in one or more Government or Government recognised educational institutions located in the State of Karnataka for a minimum period of SEVEN academic years commencing from 1st standard to Qualifying Examination either continuously or in broken period as on 1st July of the year in which the Entrance Test is held and must have appeared and passed either SSLC / 10th standard or 2nd PUC / 12th standard examination in a Government

recognized institutions located in Karnataka State or that either of the parents should have studied in Government recognized institutions in Karnataka for a minimum period of SEVEN years. In case of the candidate who had taken more than one year to pass a class or standard, the years of academic study is counted as one year only.

**Important Note:** All the admissions and undergraduate Degrees to claim eligibility for admission to any of the PG courses is subject to approval of the Government / VTU / other respective University.

**About PG CET:** The Karnataka Post Graduate Common Entrance Test (PG CET) is being conducted for the purpose of determining the eligibility / merit, for admission of Karnataka and non-Karnataka candidates to the First year or First semester of full time and part time courses in MBA, MCA, M.E. / M.Tech / M.Arch in Government / University / Private Aided / Private Un-Aided professional educational institutions in the state of Karnataka for the respective academic year.





## M. Sc. (Engg)

**Eligibility Criteria:** Admission to the M.Sc.(Engg) by Research is open to candidates who have passed B.E./B.Tech. Examination of VTU or B.E./B.Tech. of any other recognized University, recognized by this University as equivalent thereto and have passed the prescribed qualifying examination with not less than 60% of the marks in the aggregate, in the examinations of the semesters considered for the declaration of class/grade. However, a relaxation to the extent of 10% shall be allowed for candidates belonging to SC/ST and any other category as notified by Government of Karnataka from time to time.

**Registration:** The candidate shall submit his/her application for registration to the University in the prescribed form along with other necessary documents viz., degree certificate, marks cards of all examinations, employers' certificate and no objection certificate from the employer, consent of the Guide, through the Head of the Institution where the candidate intends to do research.

## Ph. D. (Engg)

**Eligibility Criteria:** Admission to the PhD.(Engg) by Research is open to candidates who possess a Master's Degree in Engineering/Technology of VTU or any other University, recognized by VTU or any other Degree which is equivalent to the Master's Degree in Engineering/Technology. However, a candidate possessing Bachelor's Degree in Engineering subject and working in National Laboratories, R&D Laboratories attached to Industries or such other Research Institutions or Industries can directly seek registration for Ph.D. programs if he / she has published a work of outstanding merit or a work recognised for Patent rights.

A Candidate shall have obtained minimum of 60% or equivalent Grade in either at Bachelor's or Master's Degree examinations as considered for the declaration of Class/Grade by the concerned University. However, a relaxation to the extent of 10% shall be allowed for

- a) Candidates belonging to SC/ST and any other category as notified by the Government of Karnataka from time to time.
- b) Candidates with a minimum of five years experience either in teaching or research, subject to the provisions of these Regulations.

In addition to the above, the candidate shall have qualified in the University Level Research Aptitude test (ULRAT), the results of which shall be valid for a period two years.

**Registration:** The candidate shall submit his/her application for registration to the University in the prescribed form along with other necessary documents viz., degree certificate, marks cards of all examinations, employers' certificate and no objection certificate from the employer, consent of the Guide, through the Head of the Institution where the candidate intends to do research.

# Alumni Speak...

Attending GAT was one of the best times of my life. Yes, the four years I spent at GAT was hard work and challenging, but I was always able to see a light of optimism. Everyone was very encouraging and supportive. I was also able to meet different types of people among the very diverse student population. I was taught not to sail away from the safe harbor, instead catch the trade winds in the sails.

KEERTHI S V  
(2011-2015 Batch) GSD@HP



In the start I wasn't sure about GAT, neither, I thought what course would be the best for me. After I joined, each and every faculty member made me believe that I am a part of the big GAT family and motivated me at all instances. What attracted me to GAT the most was the lush green campus, intimate classroom ambience, which helped me get to know my teachers well. GAT put me on the road to success and has been pivotal in shaping me into who I am today.

MANASA  
(2011-2015 Batch), Manager@Manasa Agencies



GAT has been a guiding light for me. The friendly staff, advanced resources and an excellent professional faculty were always there for me, willing to lend a helping hand. Besides academics, I truly remember the time spent with friends in college, all the movies, bunks, industry visits, and short fun trips. GAT gave me a perfect platform not only to pursue higher studies at my dream institute overseas but also to return to my country to realize my entrepreneurship goal.

NITHIN R  
(2015-16 Batch), Pursuing MS@University West, Sweden



Four exquisite, intellectually satiating years of my life were spent at GAT. I found good and comfortable study environment, welcoming classmates, passionate faculty, and a well-knit student community in GAT. GAT has shaped me holistically with the required skills, knowledge and confidence to pursue the career path that I desired the most.

MAMTHA HARRIHARAN  
(2011-2015 Batch, ECE), System Engineer@Infosys



My college in general and MBA department in specific gave me a lot of opportunities to improve both personally and professionally. I feel glad to say that the faculty were very knowledgeable and helped me to develop Academic & Soft skills and succeed in getting into the corporate world. I am now working with one of the top four financial consulting companies and I will always cherish my learning experience at GAT.

SHWETHA C.S  
(2011-13 batch, MBA), Advanced Analyst@Ernst & Young



GAT is like a well knit community. I got to know my lecturers well through labs and classes. I found a great group of friends who shared similar interests with me. It was always learning with fun and when I look back, it is unbelievable how fast my four years went through @GAT. I got multiple on-campus placement offers and I accepted a job at SAP Labs, India, as a software engineer.

TARUN MOHAN DALMIA  
(2008-2012 BATCH, CSE) SL@SAP



With constant support, motivation, guidance and inspiration from GAT, and my Parents I have stood out as a successful Engineer by securing 2nd rank at VTU for the year 2015. My experience here has given me the opportunity to pursue my higher education at VTU.

RASHMI B H  
(2011-2015 Batch, ISE) Pursuing M.Tech@VTU



# Alumni

GAT Alumni's are the brand ambassadors of the institution and they carry nostalgic memories about their experiences during their stay at the college. The first batch of GAT Alumni came out in June 2005. Till date, more than 5000 students have graduated from this institution. Every effort is being made at the department level to keep in touch with all the Alumni's.

Alumni meets are conducted at the department level as well as at the institute level. These Alumni meets act as a bridge among the students,

management, staff and alumni of GAT for mutual benefit and bring in synergy into the system. Through interaction at the time of alumni meet and valuable feedback from alumni, helps the institution to strengthen resources of alumni, current student and staff to improve the quality of society. The Alumni actively work with the institution to help current students for career development and guidance for higher studies as and when required. Every Department maintains the data bank of all its alumni. Know more about GAT Alumni at [www.alumni.gat.ac.in](http://www.alumni.gat.ac.in).