

# *Career Guidance Handbook*

For Career Conscious +2 Sc. & Diploma Engg./ Arts / Commerce Students and Parents



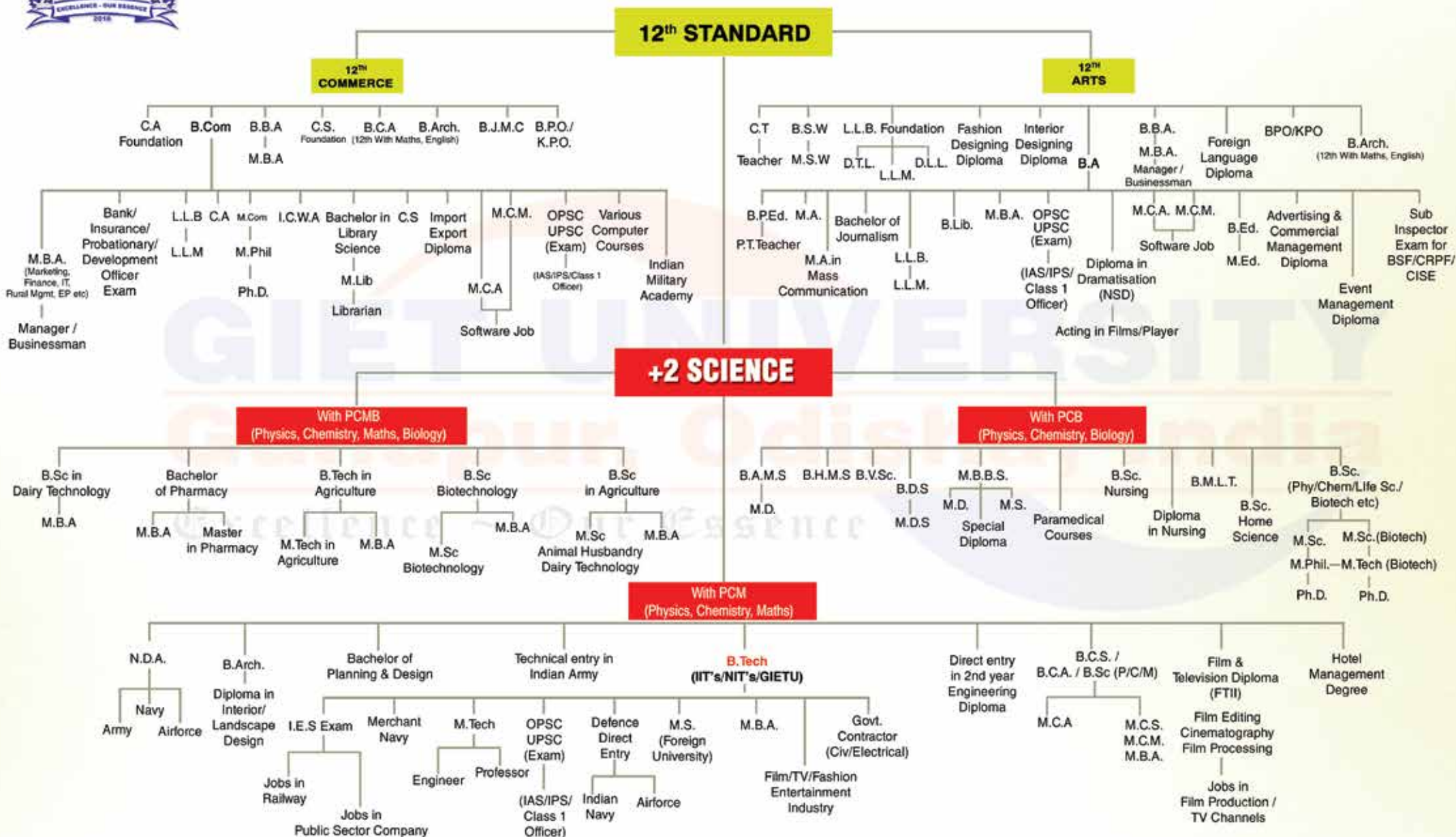
COURTESY

**GIET UNIVERSITY, GUNUPUR**

Since 1997



# POPULAR CAREER OPTIONS ROADMAP

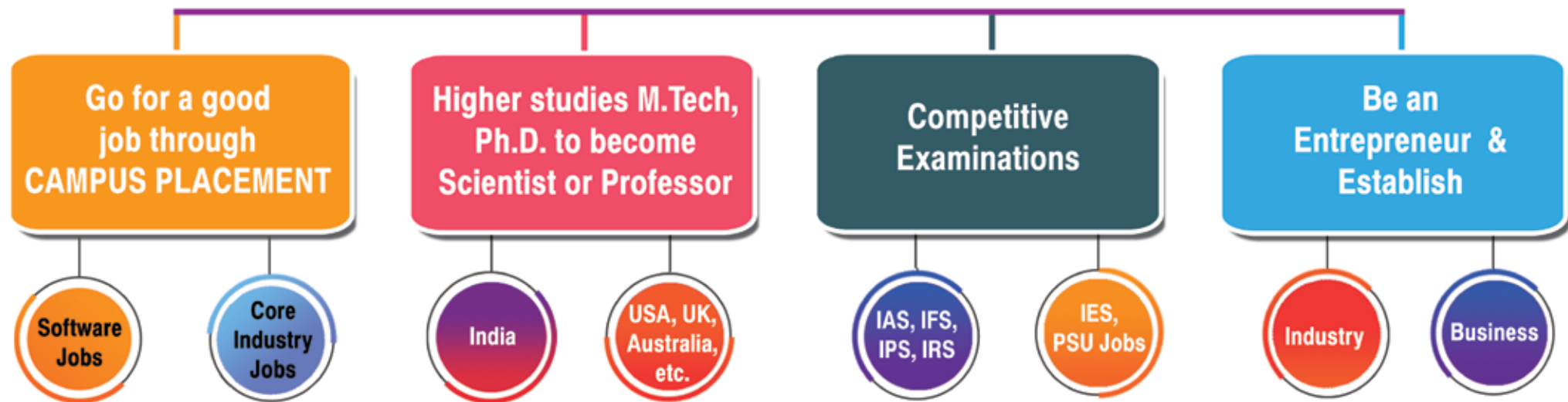


With liberalization and globalization of Indian economy, gone are the days when Govt. used to be the biggest source of giving jobs. With establishment of varieties of industries, economic activities have gone up many fold. Now 80% of the new jobs generated in India and abroad are offered by industries, commercial institutions, banks and multinational corporates, because of fast growth of science and technology. Every aspect of human life is directly or indirectly linked with engineering. Job opportunities are much more for engineering graduates than any other professional or general degree holders.

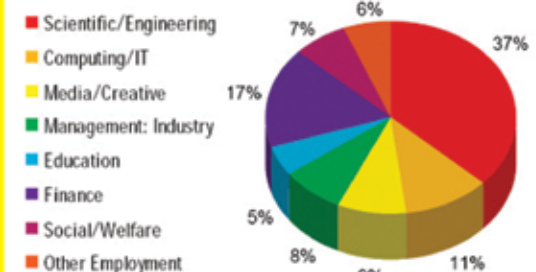
A never heard before demand has appeared for **Engineering Graduates** resulting in huge employment world wide compared to all other professions.

“Hence **Engineering Degree** can take you to any of your dream destinations beginning from a shop floor Engineer to an IAS officer or coveted jobs in India or in the best countries of the world with fabulous salaries r you can be a industrialist by self employment.”

## WHAT YOU CAN DO AFTER B.TECH !



As per National Employability Report, **Scientific/Engineering** and **Computing/IT** continue to be the major employment provider in Indian scenario





# Choose Your Institution Carefully

While choosing your institution you should verify whether it has the following



**Rich Infrastructure**



**Highly experienced and brilliant faculty**



**Top class University results**



**Excellent atmosphere for grooming of career**



**Zero ragging**



**Strong training and placement cell, providing placement to students**

But neither the student nor the parent ever try to verify the above. Most of you are guided by misleading ads or by people who do not know the whole picture. Consequently you lead yourself in to a institute of troubles and start asking us as to whether you can change the institute and join us? But, unfortunately Govt of Odisha rules do not allow change of University / College in the first year, and you get disappointed.

The best person to guide you, are senior students who are presently studying engineering. If you talk to 25 such senior students 20 of them will suggest you the name of **GIETU, Gunupur**.... Why ?



# Why GIET UNIVERSITY, GUNUPUR

(Incorporated by Act 23 of Govt. of Odisha and approved by UGC, New Delhi)

**BEST QUALITY EDUCATION CERTIFICATION ISSUED BY GOVT. OF INDIA**

**NBA Accreditation to 7 Branches of B.Tech, NAAC (UGC) Accredited as A Grade Institute**

## **The Highest Placement**

2010 = 95.52%, 2011 = 94.92%, 2012 = 95.04% , 2013 = 90.4%,  
2014 = 90.2%, 2015 = 93%, 2016 = 95%, 2017 = 92%,  
2018 = 95%, 2019 = 95%

## **The Biggest Campus**

72 Acres with 20 acres of garden reflecting international ambiance.

## **Best and Largest Faculty**

300+ Faculty, out of them 40% are Ph.D. holders.

## **The Best Discipline**

100% ragging free environment with no study days lost.

## **The Biggest infrastructure**

8.32 lakh sq. ft. of buildings with 99 laboratories & 11 workshops.

## **The Biggest Computer Lab**

25 computer labs with 2000+ computers of high configuration.

## **Best destination for girls**

Unparallel protection for girl students has made GIETU a paradise.

**The Best Swimming Pool** - National Standard 5 track pool.

## **The Biggest capacity Internet**

400 Mbps campus and city wide wireless internet network.

## **The Biggest Library**

Containing books above 1 lakh, Air Conditioned and 24 hours open.

## **The Biggest Hostel**

3250 seats for Boys and Girls in 32 attached bath modern hostels.

## **Best Faculty Treatment**

100% faculties get free accommodation. Best salary on 31st date.

## **The Best students Welfare**

4 Students Welfare Officers to take care of Students Welfare.

## **The Best Research Facilities**

AICTE / DST / DBT / MSME / Industry Sponsored Projects - highest in Odisha.

## **Foreign Student Permission**

The only University in Eastern India having students from Nepal, Bhutan, Vietnam, Sudan, Saudi Arab, Qatar and South Sudan.

## **Communication**

Bus links with Cuttack, BBSR, Palasa & Jeypore. Daily trains from Puri, Rourkela, Cuttack, Bhubaneswar & Visakhapatnam.



# Which B.Tech discipline you should study!

It is peculiar to note that every year depending upon the current demand in the job market students and parents develop a craze for certain branches of engineering and they get a great satisfaction after joining in that branch. That student passes out B.Tech after 4 years when the pattern of job availability has already changed. *So, the branch which was lowest in demand at the time of joining comes to highest in demand at the time of passing out. Hence, choice of branch, should be made not by craze but by aptitude and liking.*

If a student is strong in chemistry, he should study Chemical or Petrochemical Engineering; a student who has love for Biology can do miracles in Biotechnology; a student strong in physics can be a Mechanical or Electrical or Electronics Engineer. A student having

aptitude for computers and can think logically and has ability of imagine can be a world famous computer or IT engineer. A student who wishes to bring solutions to various agricultural problems can make it bright in Agriculture Engineering or B.Sc in Agriculture.

A student who sees the dream of constructing or designing buildings, highways, bridges, sky scrapers, ports, etc should read Civil Engineering.

It is a matter of pride that GIETU, Gunupur has been able to provide campus placement uninterruptedly to all branch students for past two decades. So, if you are looking for a University which is certified by Govt. of India, approved by UGC, and accredited by NBA & NAAC as quality technical educational institution then, GIETU, Gunupur is the right destination.

## Here, great emphasis is laid on:

Excellent infrastructure like beautiful buildings, laboratories, workshops, library, colorful gardens, fountains, campus hostels, student centre etc., everything in mega form which touches the heart of students and parents.

The strongest point of GIETU, Gunupur is highly qualified, dedicated professors and faculty members who takes care of every individual student, whether academically strong or weak. The highly disciplined campus with modern swimming pool, five play grounds, seven auditoriums, gym, skating rink creates a perfect campus and hence experts call it as

**BEST TEN CAMPUS OF INDIA.**





# Courses YOU can opt at GIET University

## School of Engg & Tech.

### B.Tech Courses

Agriculture Engg  
 Biotechnology  
 Chemical Engg  
 Civil Engineering  
 Electrical & Electronics Engg  
 Electrical Engg  
 Electronics & Communication Engg  
 Mechanical Engg.  
 Computer Sc & Engg  
 Computer Sc & Tech  
 Petrochem & Refinery Engg

### M.Tech Courses

Biotechnology  
 Chemical Engg  
 Computer Sc & Engg  
 Electronics & Communication Engg  
 Power Electronics  
 Heat Power and Thermal  
 Manufacturing Engg.  
 Structural Engg.  
 Construction Technology & Management  
 Machine Design

### M.C.A

## School of Agriculture

B.Sc (Hons) Agriculture

## School of Management Studies

Bachelor of Business Administration(BBA)  
 Master of Business Administration(MBA)  
 B.Sc. IT & Management\*  
 International - MBA

## School of Sciences

### B.Sc (Hons) in

Physics  
 Chemistry  
 Mathematics  
 Botany  
 Zoology  
 Computer Science

### M.Sc in

Physics  
 Chemistry  
 Mathematics  
 Life Sciences  
 Biotechnology





If you study **COMPUTER SC ENGG/TECH**  
you will get employed as Engineers in the following corporates



Apart from the above some major recruiters in Govt sector are Defence, Banking, NIC's, Railways, Aviation, R&D etc

Placement Status of B.Tech CSE students during last 7 Years at **GIETU, Gunupur**



**GIETU, Gunupur** provides specializations in **ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, CLOUD COMPUTING, DATA ANALYTICS, DATA STRUCTURE & ALGORITHM, NETWORKING & INTERNET ARCHITECTURE**



Students who are strong in Maths with a logical and imaginative mind normally they study Computer or Software Engineering



## If you study **ELECTRONICS & COMMUNICATION ENGINEERING** you will get employed as Engineers in the following corporates

Major recruiters are TELECOM, SOFTWARE, POWER, COMPUTER HARDWARE, HOME APPLIENCES, VLSI, TELEVISION, MOBILE COMPUTING (Android Etc.), CIVIL AVIATION, ALL INDIA RADIO, POSTAL, RAILWAYS, ISRO, DRDO, BHEL, DEFENCE, AND Other PSU's etc.

### Placement Status of B.Tech ECE students during last 7 Years at **GIETU, Gunupur**



### GIETU, Gunupur provides specializations in IOT, ROBOTICS & AUTOMATION, VLSI, FIBRE OPTICS, & SIGNAL PROCESSING

"Apart from the above specializations Electronics engineers may choose to specialize in various areas like bio- medical engineering, microelectronics, power electronics, communications, wireless communications, manufacturing of equipment etc. They may also choose to be in one particular area of the given areas, for example, analog and digital electronics or fiber optics."



Students who are strong in Maths and Physics normally study Electronics & Communication Engineering



# If you study **ELECTRICAL ENGINEERING** you will get employed as Engineers in the following Industries

**All Electricity Boards, All Power Plants, Electric Grids, Hydro/Thermal/Nuclear/Atomic Power Plants, Energy Supply Corps., Technical Monitoring Agencies, Construction Corps., Hydraulic Corps., Coastal & Ocean Engg., Transportation Corps., Oil & Natural Gas Plants, Environment Engg., Indian Railways and More...**

## Placement Status of B.Tech EE students during last 2 Years at **GIETU, Gunupur**



*Popular Industries where an Electrical Engineers are recruited*



**GIETU, Gunupur provides specializations in Electrical CAD, EPLAN., SCADA, PLC, HMI., Wire Harness with CATIA v5. Robot Programming, Lab view etc...**

"Electrical Engineering is one of the fastest growing fields that involves study and application of electricity and electronics. It is the most interesting branch of engineering because it involves study of computer, electrical and electronics and communication. Electrical engineering deals with generation, transmission and distribution of electricity.."



Students who have passed 12th Science with Physics, Chemistry and Mathematics or students who have been through relevant diploma course are eligible to pursue this course.



# If you study **ELECTRICAL & ELECTRONICS ENGINEERING** you will get employed as Engineers in the following Industries

**Chip & VLSI Designing, Semiconductor & other Electronics Component Manufacturing, Nuclear Power Plant, Electronics, Robotics, Telecommunication Systems, Microwave Research, Electronics Hardware Manufacturing, All sort of Signal Communication Systems & More...**

## Placement Status of B.Tech EEE students during last 3 Years at **GIETU, Gunupur**



**GIETU, Gunupur provides specializations in Communications and Signal Processing, Controls, Electrophysics Microelectronics, Power Systems, Sensor System Technology, Bioelectronics etc...**

The base branch of Electrical and Electronics Engineering is Electrical Engineering, So, you can apply for all sort of employment available for EE. EEE Engineers focuses on the analysis, design, development and manufacture of electrical equipments, electronic devices, Mechatronics technologies, and automation and control systems



If you enjoy mathematics and science, are fascinated by energy and electronic gadgets, and want to design and invent things that benefit society, you may wish to study for an electrical and electronic engineering degree.



## If you study **MECHANICAL ENGINEERING** you will get employed as Engineers in the following Industries

**All Industries, Heavy Plant, Automobile, Autopart Manufacturers, Aerospace Industry, Aviation Industry, Steel Plants, Thermal Plants, Shipping Industry, Gas Turbine Manufacturers, Air-Conditioning & Refrigeration Industry Engineering Consultants, Govt. Sector Jobs, Armed Forces and More...**

### Placement Status of B.Tech Mechanical students during last 7 Years at **GIETU, Gunupur**



**GIETU, Gunupur provides specializations in CAD/CAM, CATIA, UNIGRAPHICS, Pro-E, ANSYS, MAT LAB, Machine Design, Thermal etc...**

"Mechanical engineering is the discipline that applies the principles of engineering into the design, analysis, manufacturing, and maintenance of machines and mechanical production techniques. MechEng is the branch of engineering education that has been around for the longest period of time. Nowadays, alongside the traditional practical application of techniques, much is based on computer simulations."



A mechanical engineering student gains a very wide set of skills. Computer applications, electricity, structures, mathematics, physics, drafting - basically knowledge of nearly every other type of engineering.





## If you study **CIVIL ENGINEERING** you will get employed as Engineers in the following Industries

**Construction Engineering, Urban Engineering, Environment Engineering, Hydraulic Engineering, Coastal & Ocean Engg Transportation Engg., Materials Engg., Structural Engg., Earthquake Engg., Geotechnical Engg., Water Resource Engg Indian Railways, Indian Defence Services, Indian Engineering Services & More...**

### Placement Status of B.Tech Civil students during last 7 Years at **GIETU, Gunupur**



**GIETU, Gunupur provides specializations in General Construction Engg., Geotechnical Engg, Structural Engg., Water resource Engg., and Environmental Engg. etc...**

Civil engineering is the professional practice of designing and developing infrastructure projects. Civil engineers are concerned with designing, sky scrapers, highways, bridges, ports and docks and maintaining man-made products and constructions.



Working in an exciting environment: by studying civil engineering, you are involved in the entire product development process. From the beginning of the project's design, to bringing it to life and maintaining it – civil engineers are always needed!



## If you study **CHEMICAL OR PETROCHEM & REFINERY ENGINEERING** you will get employed as Engineers in the following Industries

**Petrochemicals, Paint & Dye Industry, Leather Industries, Pharmaceuticals, Polymer Industries, Fertilizers Agrochem Industries, Food & Beverages, Paper Industries, Sugar Industries, Steel plants, Alumina & Aluminium Sponge Iron Plants, Cement Industries, Inorganic Chemical, Fine Chemicals, Cosmetics, R&D Organizations & So on ...**

### Placement Status of B.Tech Chemical students during last 7 Years at **GIETU, Gunupur**



**GIETU, Gunupur provides specializations in Paper/Rubber Technology, Polymers & Biopolymers, Reactor Technology, Plant Design, Bioenergy & Fibre Technology etc...**

"Chemical engineering degree can get you a job in different sectors like Oil, Gas and Energy, Manufacturing and consumer goods, Pharmaceuticals, Chemical Industries and various PSUs. The salary of Chemical Engineering fresher ranges from Rs. 3.9 lakhs to Rs. 21.00 lakhs per annum. Chemical engineering students have a plethora of options for higher studies. They can do their MS, MBA, M.Tech or PhD from India and abroad."



Chemical Engineering is based on the fundamentals of mathematics, physics and chemistry. Therefore, you must have an aptitude in these subjects in order to excel as a chemical engineer.



## If you study **B.Tech BIOTECHNOLOGY** you will get employed as Engineers in the following Industries

**Genetic Engineering, Bio-processing industry, Food Processing, Waste Management, Energy, environmental control, chemicals, bio fertilizers, Drug & pharmaceutical, Agro based firms, breweries & beverages, forensic laboratories, bioinformatic labs, bio leaching labs, textile industries, Public funded labs, National research Labs**

### Placement Status of B.Tech Biotech students during last 7 Years at **GIETU, Gunupur**



**GIETU, Gunupur provides specializations in Genetic Engineering, Nanotechnology, Bioinformatics, Molecular Technology, and Environmental Science etc...**

The extent of biotechnology in India is great, involving engineers, biologists, and many other such professionals. The areas where biotechnology has grown in India include bioinformatics, agricultural biotechnology, bio-fertilizers, national bio-resource development, plant biology and marine biotechnology.



Students who are strong in Biology normally take admission in B.Tech Biotechnology.



## If you study **AGRICULTURE (Engg / B.Sc)** you will get employed in the following Industries

**Govt of Odisha, Govt. of India, Banking Sector, Monsanto India Ltd, Mother Dairy, Godrej Agrovet, AMUL Dairy  
Maharashtra Hybrid Seed, Coromandel Seed Fert, ITC, Keventer Agro., Nestle India, Fertilizers, Pesticide & insecticides  
Proagro Seeds, Frigorifico Allana, R&D Organizations & So on ...**

Agriculture matters to the future of development. Economists point out that agriculture is four times more effective than other sectors in reducing poverty. It can even be a gold mine for young entrepreneurs. Besides, agricultural research needs young mind to initiate innovation.

"An agricultural engineer works for designing power and machine systems, animal or plant production and environment management. Some primary jobs of agricultural engineers involve improving Equipments need for farming, farm structures, biogas generation and inventing new technologies that can contribute in manufacture of agricultural products and conservation of natural resources. Since B.Tech. Agricultural Engineering is a course concerned with specific knowledge and skills in the field of Agriculture, the job profiles associated also concern specialized roles. Some of the Job profiles of a B.Tech AE graduate are as follows:

Researchers, Soil Conservation Officers, Extension Specialists, Waste Specialists, Land Development Engg., Structure Designers, Machinery Designers, Electrification & Power Systems Designer, Precision Agri-Applications Engineer, Environmental Controls Engineer, Greenhouse Manager, Irrigation Engineer, Surveyor etc.



Students with PCM/PCB with strong acumen to cultivation, and add value to the traditional practices of Agriculture Sector, preferably study Agriculture





## BBA / B.Sc. Courses, Career Scope, Job Prospects

### What is BBA?

BBA is the basic platform for someone who is serious about doing a good MBA programme. The full form of BBA is Bachelor in Business Administration. This is of more important to students who belongs to Arts and Science background. The course lays the foundation of management studies.

### BBA Career Scope:

BBA gets you entry-level positions in many corporations and factories. You would do lot of back-end job, and provide support services to your seniors. Exceptional candidates could expect to do some customer interface, though it is very rare. You would hit the glass ceiling very fast, if you do MBA.

### BBA graduates can look for jobs in

Sales and marketing department of companies as members of sales teams or as management trainees. After completing a BBA, students should consider broadening their horizon in order to qualify for top executive positions and promotions.

### What is BSc ?

BSc is a graduate-level course in science. The students can choose between plain BSc or a BSc (Hons.) course. Those interested in fields of computers and Information technology can opt for BSc (CS/IT).

The traditional BSc courses include subjects like Physics, Maths, Chemistry, Botany, Zoology, Computer Science to name a few.

### Free To Explore Fields Other Than Science

Like the students from any other academic courses, BSc graduates also have great employment opportunities. BSc students are not only restricted to field of science-related jobs but they have the flexibility to explore other fields like that of management, engineering, law etc both for higher education and employment opportunities.

B.Sc. graduates can be IAS, IFS, IPS officers, Bank P.O.'s, Railways officers etc. They are almost eligible for all kind of administrative Govt Jobs.

Students who prefer generalized or multidisciplinary jobs, they study the above courses.



# GIETEE (GIETU Entrance Examination)

## What is GIETEE

GIET UNIVERSITY has long since been devoted to provide quality education in various Engineering disciplines of Science and Technology and of late it has proliferated into frontiers of Research as well. The Institute follows a rigorous selection procedure to admit students into various programmes. An exclusive entrance examination for all B.Tech Programmes, Gandhi Institute of Engineering Technology Entrance Examination (GIETEE), is conducted for all those aspiring for a career in Engineering, Agriculture (B.Sc) & Management courses.

## Eligibility for B.Tech Programs:

Candidates who have studied Physics, Chemistry and Mathematics at 12th standard are eligible for all the B.Tech. Degree Programmes. However, candidates who have studied Physics, Chemistry and Biology are eligible for B.Tech. Biotechnology programmes.

Candidates appearing for the GIETEE should have secured an aggregate of 50% in Physics, Mathematics and Chemistry/Biology in the qualifying examination (+2/Intermediate).

## Eligibility for B.Sc. (Hons) Agriculture

Candidates who have studied Physics, Chemistry and Mathematics or Biology at 12th standard are eligible for B.Sc (Hons) Agriculture programme.

## Eligibility for BBA & B.Sc. (H) Programs:

Arts/Science/Commerce students with minimum 50% at their 12th standard are eligible to study.

12th Science Students with minimum 50% pass score are eligible for +3 / B.Sc (Honours) programs offered at GIET University, Gunupur.



Activity of GIETians in campus

The admission will be purely on the basis of the marks secured in the GIETEE, conducted by GIET UNIVERSITY.



# HOW TO REACH US!



Gunupur is a great city to visit in the state of Odisha. There are no regular flights from other major cities of the country to Gunupur. Nearest airport is Visakhapatnam Airport.



Gunupur have direct train connectivity from Rourkela, Sambalpur, Jhasuguda, Angul, Dhenkanal, Cuttack, Bhubaneswar, Berhampur & Visakhapatnam. You can drop at Palasa or Rayagada to reach us.



You can easily get regular buses to Gunupur from other major cities of the state.



## Contact us

Central Admission Cell  
Administrative Building  
GIET University,  
Gunupur - 765022  
Rayagada District, Odisha



@giетuniverisity



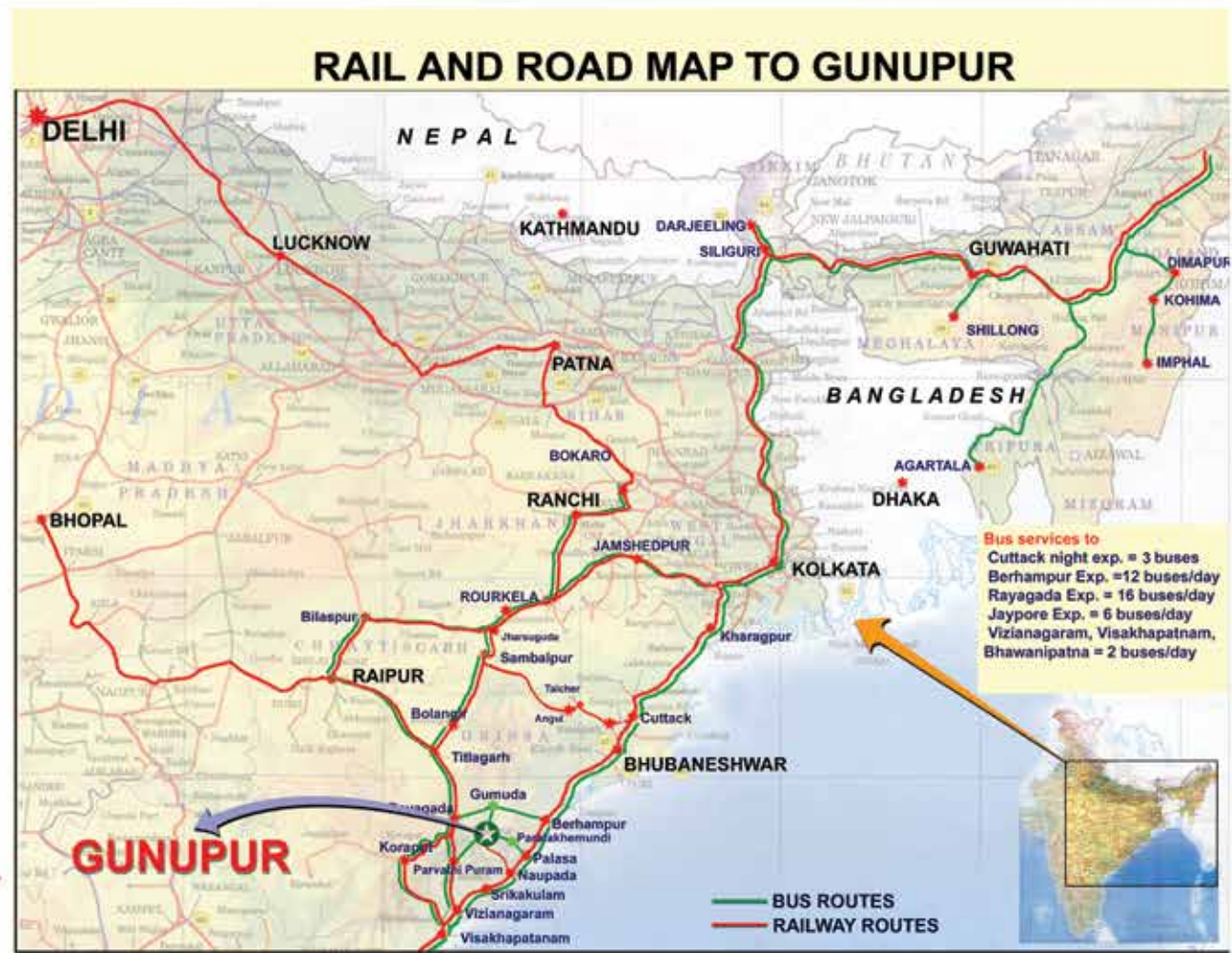
@giетuniversitygunupur



@giетuniversitygunupur



7735745535



admission@giет.edu, 811-800-9999



## International Admissions

*Nepal, Bhutan, Bangladesh, Sudan,  
South Sudan, Qatar, Vietnam*

Contact

**GIETU International Admissions**

+91 9437547613

+91 7036009002

enquiry@giet.edu

admission@giet.edu, 811-800-9999



### Corporate Office Bhubaneswar

Address  
GIETU Corp. office  
HIG 42/A, Second Floor  
(Patro Electronics Building)  
Baramunda Housing Colony,  
Baramunda, BBSR - 751003  
M: 8118053003/07/08

### Zonal Office Rourkela,

Address  
GIETU Zonal office  
E-1, Koel Nagar,  
Rourkela - 769014  
Sundergarh  
M: 9777943198

### Zonal Office Bhabanipatna,

Address  
GIETU Zonal office  
IInd Floor,  
Manikeswari Complex,  
Paramanandapur,  
Railway Station Rd.  
Bhabanipatna - 766001  
M:7978876993

### Zonal Office Berhampur,

Address  
GIETU Zonal office,  
1st floor, IInd Lane,  
Jyoti Nagar,  
Near New Bus Stand,  
Berhampur - 760001  
M:9040402278

### Zonal Office Jeypore,

Address  
GIETU Zonal office  
1st Lane, Sriram Nagar,  
Parabada, Jeypore - 764001  
M:9556591954