GOVERNMENT COLLEGE OF TECHNOLOGY
COIMBATORE-13

PLACEMENT BROCHURE
2012-13

GCT -AN INTRODUCTION

Trying to keep pace with the state of the art of today's technology, the world strives to soar up in the sky of knowledge and reach out to the horizon. Each year the Government College of Technology accomplishes its objective, in the words of our "Edison of India" - G. D. Naidu, "to provide scientists and technologists of the highest caliber who would engage in research, design and development to help building the nation towards self reliance in her technological needs".

The Evolution

In 1945, a special entry was made in the golden pages of history with the foundation of GCT under the patronage of the esteemed philanthropist, Late Shri G. D. Naidu, the stalwart of the Indian Engineering scenario. Ever since that prestigious moment it has set standard of recognition standing out as numero uno in technical expertise. Recognition by the AICTE stood as a testimony to its excellence and one more feather was added to the hat when it attained Autonomous status affiliated to Bharathiar University (presently the college is affiliated to Anna university). Recognition by the Department of Scientific and Industrial Research (DSIR) made research scholars from various fields to make a beeline for GCT. The college is in its 66th year since its establishment in the year 1945.

CONTENTS

TRIBUTE TO G.D.NAIDU

"Where the mind is without fear and the head is held high;
Where knowledge is free;
Where tireless striving stretches its arms towards perfection;
Where the clear stream of reason has
not lost its way into the dreary desert
sand of dead habit;
Where the mind is led forward by thee into ever-widening thought and action..."

Late Shri G.D.Naidu's vision as echoed by every GCT'ian

BEST COLLEGE AWARD IN TAMILNADU-2010

தமிழ்நாடு அரசு

சிறந்த கல்லூரி விருது

அரசினர் தொழிற் நுட்பக் கல்லூரி,

கோயம்புத்தூர் – 641 013

மாநிலத்தில் சிறந்த கல்லூரி என்று பாராட்டி வழங்கப்படுகிறது

நாள் : 24-08-2010

க. கணேசன் இ.ஆ.ப.,
உயர்கல்வித் துறை முதன்மைச் செயலர்

முனைவர் க. பொன்முடி
உயர்கல்வித் துறை அமைச்சர்

With a vision to be an academic institution in dynamic equilibrium with its social, ecological and economic environment, striving continuously for excellence in education, research and technological service to the nation, GCT has been instrumental in nurturing the dreams and aspirations of some of India's brightest minds through a mix of intensive curricular and co-curricular activities. The programs at GCT which are aimed at developing a mastery of fundamentals, versatility of mind and motivation for learning, have resulted in well-rounded leaders of the highest professional competence. Our students acquire various other entrepreneurial qualities and management skills by organizing and executing a plethora of events and fests round the calendar. The multitasking and highly competitive environment in the campus makes the standards of our graduates commensurate with the demands of the Industry. The pursuit of fulfilling all these objectives has made GCT to achieve,

"Best College Award of the year 2010 in the State of TamilNadu"

Location

The lush, green, campus of GCT situated on Thadagam Road is in the 'Educational Heart' of Coimbatore. It is flanked by TamilNadu Agricultural University, Bharathiar University, Avinashilingam University and Forest College.

PRINCIPAL'S MESSAGE

In the last Sixty years, Government College of Technology (GCT) has produced many illustrious alumni, whose contributions at national and international levels have been significant. The alumni of GCT are often sought after for coveted positions in the realm of academics, research and administration.

The placement policies and other related activities are handled by Training and Placement Officer and Student Placement Representatives. The companies are encouraged to contact the Placement Cell for initial discussions and Placement Officer for confirming all schedules and all official communication. We welcome any suggestion from your organization that will help us realize our cherished goal of achieving the best match between the aspirations of the recruiting organizations and the capabilities of our students.

We highly value our partnership with the recruiters and alumni of this college.We remain committed to make your recruiting experience productive and positive. GCT is the most preferred academic institute to a large number of organizations for recruiting outstanding students with high potential as their future leaders.

I appeal to the recruiting organizations and graduating students to find the best match between their needs and capabilities.

I cordially invite you for the Placements 2012-13 and also extend our commitment to engage in a long term mutually enriching relation with your revered organization.

DR. R. SUNDARARAJAN
PRINCIPAL

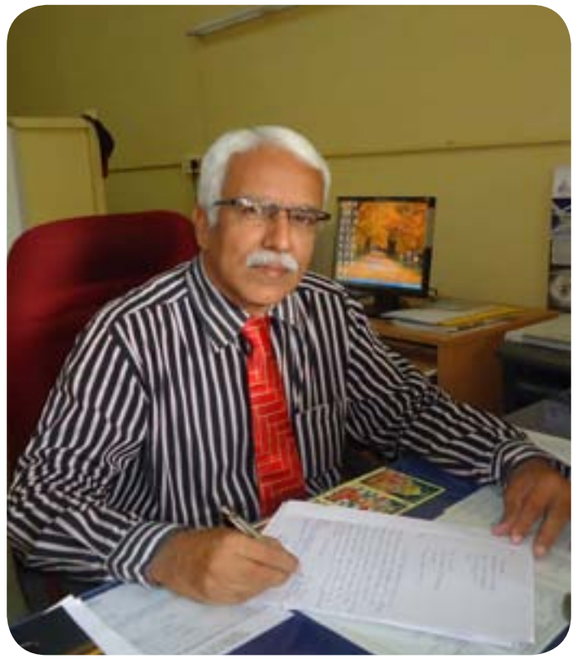
PLACEMENT OFFICER'S MESSAGE

I have immense pleasure and pride in introducing you to our bright, vibrant and young graduates. Government College of Technology remains committed to its already well established goodwill.It also promises to continue to bring glory to this nation.

The quality of education and exposure that the students acquire from GCT coupled with their soft skills, make them confident that they are adequately prepared to face the challenges of the corporate world. I am rest assured that our students will definitely contribute meaningfully in the growth and flourish of your organization and you will greatly benefit from their association with your company

It is heartening to note that students have already begun the activities concerned with placements like soft skills development, mock group discussions and allied exercises for the year 2012-13. Like a tree, one must find a place to grow and branch out. I hope hard work, sincerity and updated knowledge in their own domains, coupled with soft-skills will always pave way for our students to find the best places to grow.

I also take this opportunity to thank all the industries for their unflinching support and patronage that GCT has been enjoying. I wish the students and organizations for an impressive and fruitful placement stint in GCT for the year 2012-13.



DR..K.S.AMIRTHAGADESWARAN
PLACEMENT AND TRAINING OFFICER

AIM OF THIS BROCHURE

This brochure is the symbol of our gratitude to all our regular recruiters, who believe in us ,our vision and mission.We hope to continue this ligature, that we share consistently.

For our new recruiters, this brochure serves as a prologue to our profound adroitness.This gives you an insight into how GCT plays as a platform in producing clairvoyant engineers every year.We look forward to establish a novel, meaningful and lasting relationship.On that note, we extend our cordial invitation to all, to participate in the recruitment process of GCT. WELCOME!!

CIVIL ENGINEERING

The Department of Civil Engineering has been in existence since the inception of our college in 1945 and has grown into a fully fledged department with specialization in all the major areas of Civil engineering.

The vision of the department is to impart and achieve globally high standards of higher education and to make our students superior in terms of knowledge and skill who will in turn impart needed social and economic change with self-discipline national outlook and religions tolerance to improve the quality of mankind.

The department offers B.E. degree (full time and part time) in civil engineering, M.E. with specialization in structural and environmental engineering and various PhD. Programs. The department of civil engineering has been approved for a very long time as a centre for the quality improvement programme at master's and doctoral levels. . It celebrated its golden jubilee in the year 2005.

Active communication between the students and faculty reflects the achievement of students in various domains. . Over the years with the help of dedicated group of people, it expanded to the present level as a highly reputed centre for producing best engineers.

CURRICULUM

CORE SUBJECTS

- Mechanics of solids
- Mechanics of fluids
- Surveying
- Water supply engineering
- Applied hydraulics
- Structure analysis
- Basic structure design
- Steel structure
- Foundation engineering
- Highway and railway
- Concrete structures
- Irrigation engineering
- Harbour engineering
- Design and drawing
- Advanced concrete design
- Construction technology

LABORATORY

- Structural Engineering Lab
- Environmental Engineering Lab
- Surveying and Remote sensing Lab
- Highway Engineering Lab
- Hydraulics and Fluid machinery lab
- Concrete Testing Lab
- Soil Mechanics Lab

ELECTIVES

- Operation research
- Finite element method
- Open channel flow
- Structural dynamics
- Advanced surveying
- Bridge engineering
- Advanced steel design
- Remote sensing
- Hydrology
- Environmental management
- Tall buildings
- Cartography

PROJECTS

ENVIRONMENTAL ENGINEERING

- Bio-remediation of technical wastes
- Application of GIS to ground wastes
- Solid waste disposal land filling
- Air quality modeling
- Color removal studies

STRUCTURAL ENGINEERING

- Partially steel encased
- Concrete encased steel
- Behavior of steel
- Steel-concrete composite structure
- Soil structure interaction problem

Laboratory Facilities

HYDRAULICS AND FLUID MACHINERY LAB

- Flow meters
- Various types of pumps and turbines
- Large-scale models of irrigation structures
- Heleshaw apparatus

SURVEYING LAB

- Electronic (ZEISSETH3) Theodolytes
- Laser (SL T20) Theodolytes
- Plan Variograph
- GIS software-arcview/MapInfo

CONCRETE TESTING LAB

- Concrete testing hammer
- Ultrasonic concrete testing
- Steel loading frame
- R.C. reaction frame

MECHANICAL ENGINEERING

The Department of Mechanical Engineering, started in the year 1952 is a dream come true for the great Engineering prodigy Late G.D.Naidu. The Mechanical Engineering Department has reached the peak of technical excellence as a result of a confluence of outstanding technocrats and thehighly qualified collection of faculty.

The mission is to provide an environment where students have extensive avenues to excel, improve technical exposure and develop personality. With excellent teaching and learning environment it provides a platform to install high motivation, moral values and leadership in its students. The department consistently strives to provide world class facilities for education and research.

The department is committed to provide the students with strong and theoretical foundation blended with practical engineering skills with an emphasis on team work critical and creative thinking and professional ethics to enable them to become successful mechanical engineer. The Department has the Design Cell, Production Process Laboratory, CAD/CAM Cell and the Thermal Engineering Lab facilitating the latest technologies both in Hardware and Software arena.

The Department offers
- •B.E. degree (full time and part time) in Mechanical Engineering
- •M.E. Degree with specialization in Engineering Design,Thermal Engineering .

The Department is NBA Accredited

CURRICULUM

CORE SUBJECTS

Fluid mechanics and machinery
Applied mechanics
Material science and metallurgy
Thermal engineering
Manufacturing technology
Mechanical measurements
Design of machine elements
Dynamics of machines
Hydraulic and pneumatic control
Mechatronics
Design of transmission systems
Heat and mass transfer
Design of JIGS, Fixtures
Turbo machines

ELECTIVES

Composite materials
Gas dynamics
Space propulsion
Robust design
Refrigeration
Cryogenic Engineering
Automobile electronics
Design for manufacture
Supply chain management
Industrial Tribology

PROJECTS

Quality control
Soft Engineering
Composite material
Shop floor control
Robust Design
Reverse engineering
Concurrent Engineering
Tribology

LABORATORY

Production Process Laboratory
CAD/CAM Cell
Design Cell
Thermal Engineering Laboratory
Robotics lab

Laboratory Facilities

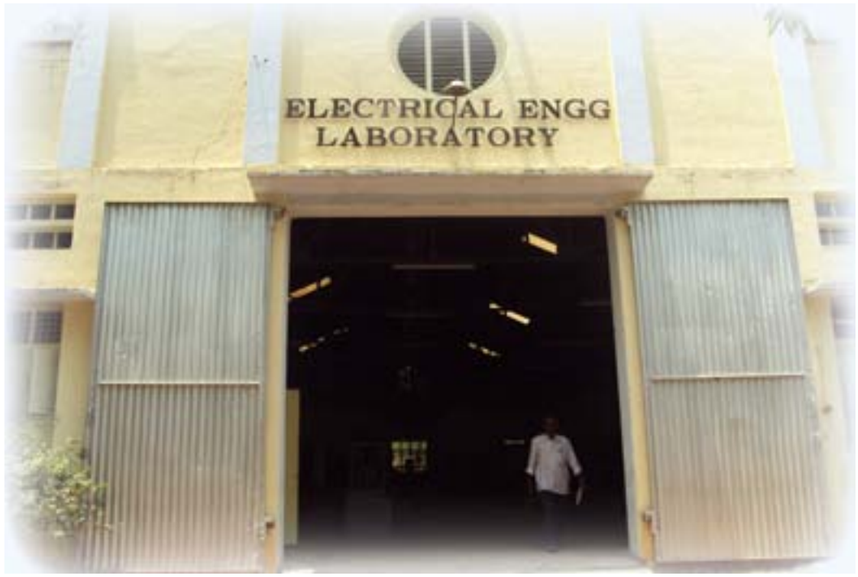
PRODUCTION PROCESS LAB

Sharper and planning machines
Slotter
Milling machines
Drilling and Boring machines
HMT copying lathe
Gear Hobbing and Gear Shaping Machines
Jig Boring Machines

THERMAL ENGINEERING LAB

Turbo Alternator (18HP)
Low Speed Wind Tunnel
Axial and Centrifugal flow fan test rig
Multichannel data logger
Gas chromatograph
Hot wire anemometer
Solar energy Minilab
Thyristor controlled motor
Refrigeration and conditioner cycle test rigs

ELECTRICAL AND ELECTRONICS ENGINEERING



The department of electrical engineering has been playing a vital role in producing scientists and technologists of highest calibre ever since it was established in the year 1945.

The Department of Electrical and Electronics Engineering, one of the oldest and most innovative departments, thrives in its Enthusiastic and Energetic Environment. Keeping in mind the latest technology in this rapidly advancing discipline and the changing trends in industry the department has updated, enhanced and reframed the syllabus.

The department equips the students with advanced technology to cater the requirements of industries.

In addition to the strong undergraduate programs, the department has been playing a pioneering role in producing world class postgraduates and research scholars. The Department of Electrical and Electronics Engineering is recognized for excellence in teaching, research and service to the profession. The EEE department prepares students in this field using new-age information and computer –intensive technologies.

CURRICULUM

CORE SUBJECTS

- Electron devices
- Field Theory
- DC Machines and Transformers
- Network Analysis and Synthesis
- Electronic circuits
- Synchronous and Induction Machines
- Electrical and Electronics measurements
- Pulse and Digital Circuits
- Control System Engineering
- Electronic circuit with ICs
- Power Generation and Utilization
- Transmission and Distribution
- Digital Signal Processing and Its Applications
- Power Electronics
- Power System Analysis
- Power Systems
- Electrical machine design
- Power system protection and Switchgear
- Power System Stability
- Electric circuit theory

LABORATORY

- Electronics Lab
- Microprocessor Lab
- Computer Lab
- Simulation Lab
- Power Electronics & devices

ELECTIVES

- VLSI Circuits and Systems
- HDVC Transmission
- Principles of Virtual Instrumentation
- Solid State relays
- Neural and Fuzzy Systems
- Principles of Embedded systems
- Surges and Surge Protection
- Power system economics
- Industrial drives and control
- VHDL Based Digital System Design

PROJECTS

- Power System Engineering
- Image Processing
- High Voltage Engineering
- Networking
- Electrical machines
- Control system
- Power Electronics & devices

Laboratory Facilities

ELECTRONICS LAB

- R2911 Digital Spectrum Analyzer
- Logic Analyzers
- Waveform Processors
- Computer based data acquisition system
- Mixed signal analysis workbench

MICROPROCESSOR LAB

- 8086 Microprocessor Kit
- 8081 Microprocessor based calibration testers
- Microprocessor based calibration testers
- 8748 and 80196 Microcontroller
- Kits based on 8085, Z80 and Motorola 68000.

SIMULATION LAB

- Pspice version 10.0
- LabView 7.1, ModelSim
- PCB design software
- Xilinx ISE Foundation Series

ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communications (ECE), which became a part of this celebrated institution in the year 1970, is one of the leaders in India in this field of technology. The department, headed by professors and lecturers who are experts in their own disciplines, aims at educating and training students with sound knowledge and awareness in the latest trends in electronics, communication and information technology.

Keeping in line with fast changing technology, the department has a well designed, constantly reviewed syllabus to incorporate all advancements in existing and emerging technologies. The state-of-the-art laboratories complement the high standards set by the competitive syllabus and nurture the inclination of the students towards research and development, besides giving them the necessary and sufficient backing of practical knowledge that they need.

The Department offers B.E. degree (Full time and Part time) in Electronics and Communication Engineering, M.E. degrees in Applied electronics, VLSI design and communication systems. The department is NBA Accredited.

CURRICULUM

CORE SUBJECTS

- Digital electronics
- Circuit theory
- Linear integrated circuits
- Communication engineering
- Signals and systems
- Microprocessors
- Microcontroller
- Principles of Digital systems
- Control systems
- Digital system design
- Digital system processing
- VLSI design
- Optical communication
- Mobile communication

ELECTIVES

- Microcontroller based system design
- Soft computing
- Multimedia compression techniques
- Multimedia communication
- RF MEMS circuit design
- Virtual instrumentation
- DSP system design

LABORATORY

- Electronic Devices and Circuits Lab
- Integrated Circuits and Microprocessor Lab
- Computer lab
- Microwave and Communication Lab
- Fibre Optics Lab
- Digital Signal Processing lab
- Embedded and VLSI Lab

PROJECTS

- Wavelets used in Denoising
- Low power VLSI & Embedded system
- Bio-Signal Processing
- Wavelets used in Image compression
- ADHOC Networks and Routing
- Computer Communication
- Pattern Recognisation

Laboratory Facilities

ELECTRONIC DEVICE AND CIRCUIT LAB

- Dual trace oscilloscopes and digital CRO's
- LCR meters and sound level meters
- Digital Multi-meters, Radio circuit trainer
- Digital storage Oscilloscope

INTEGRATED CIRCUITS AND MICROPROCESSOR-LAB

- ASIC design with VHDL
- In circuit emulators and PLCs
- INTEL 8085, 8086, Z-80, MC800 Microprocessors
- Micro controller chips/kit – 8051,8096,8031,8097
- All interfacing cards for process applications
- Spectrum analyzers, logic analyzers, EPROM Programmers, IC testers, Analog/Digital IC trainer

PRODUCTION ENGINEERING

The Department of Production Engineering started its journey in the year 1978- 79, with the prime motive to impart education in the design and development of products that are innovative and competitive. The students are trained to approach product design from a holistic viewpoint integrating in a balanced and harmonious manner the industrial design and the engineering design perspectives to come up with products that are well engineered, aesthetic and ergonomic with a better manufacturability.

The department grows with the day to today advancement in production engineering to offer best resources to students. Many research papers have been published in reputed national and international journals. State-of-the-art laboratories are available in the areas of CAD, CNC, Mechatronics, simulation and operations management. The department has a central workshop equipped with power tools in carpentry, lathes, milling machines, shaping machines & special machines like Hobbing, EDM, tool and cutter grinder.

The Department offers B.E. Degree (full time) in Production Engineering, M.E. Degree in Production Engineering.

CURRICULUM

CORE SUBJECTS

- Fluid mechanics and machinery
- Electrical machines and drives
- Metal cutting theory
- Mechanics of machines
- CNC machine tools
- Machine elements design
- Welding technology
- Mechatronics
- Computer aided design
- Hydraulic and pneumatic controls
- Design for manufacture
- Modern manufacturing concepts
- Manufacturing process
- Industrial engineering

LABORATORY

- Flexible Manufacturing system
- Robotics and Automation lab
- Metallurgy lab

ELECTIVES

- Concurrent engineering
- Composite materials
- Precision engineering
- Computer graphics
- Surface engineering
- Product design
- Special casting process
- Production of automobile

PROJECTS

- Reverse Engineering
- Quality control
- Soft Engineering
- Composite material
- Shop floor control
- Robust Design
- Concurrent Engineering
- Tribology

Laboratory Facilities

ROBOTICS AND AUTOMATION LAB

- SCARA ER14
- RYPHON – Vertical Articulated Robotic Arm
- GRYPHON – Horizontal Articulated Robotic Arm
- VAL-I Programming language
- MENTOR- Robotic Arm

METALLURGY LAB

- Abrasive Belt Grinding Machines
- Lapping machine
- Microscopes (100x)

ELECTRONICS AND INSTRUMENTATION ENGINEERING

The Department of Electronics and Instrumentation Engineering plays a vital role in the successful growth of our nation since the modern trend is to control and maintain all the industrial parameters through electronic devices and computer systems. They carry out the task of measuring, doing research, installing, developing, testing, maintaining and designing various instruments used in the industry. With computer aided processes and automation techniques, these engineers formulate ways to control these systems. To put it crisply, they aim to 'measure the world accurately and to control it precisely'.

The EIE Department equips students with knowledge of instruments and their management to produce brilliant intellectuals matching to the needs of modern industry and other professional pursuits. The completion of course in this department equips the students with an awareness of various sensors, process parameters, controlling techniques that are the heart of any successful industry.

CURRICULUM

CORE SUBJECTS

- Electric Circuit Theory
- Electron Devices
- Electrical Instruments and Measurements
- Electronic Circuits
- Pulse and Digital Circuits
- Control Systems Engineering
- Electronic Circuit Design With ICs
- Electronic Instruments and Measurements
- Process Dynamics and Control
- Modern Control Theory
- Digital Signal Processing and Its Applications
- Logic and Distributed Control Systems
- Remote Sensing
- Industrial Management and Economics
- Principles of Virtual Instrumentation
- Industrial Instrumentation

ELECTIVES

- VLSI Circuits and Systems
- Industrial Drives and Control
- Digital Image Processing and Applications
- Fiber Optics and Laser Instrumentation
- Robotics and Its Applications
- Principles of Embedded Systems
- Power Plant Instrumentation
- Aircraft Instrumentation
- Instrumentation For Pollution Control
- PC Based Instrumentation
- Computer System Architecture
- Analytical Instrumentation
- VHDL Based Digital System Design

LABORATORY

- Electron Devices and Transducers Lab
- Electrical Machines Lab
- Object Oriented Programming Lab
- Process Control Lab
- Electronics and Signal Conditioning Lab
- Digital Electronics and Microcontroller Lab
- Control Engineering and Simulation Lab
- Virtual Instrumentation Lab

PROJECTS

- Power Electronics & devices
- Power System Engine ering
- Image Processing
- High Voltage Engineering
- Networking
- Control System
- Electrical machines

Laboratory Facilities

DIGITAL AND MICROPROCESSOR LAB

- Digital storage oscilloscopes
- Waveform constructors and re-constructors
- R9211 Digital spectrum analyzers
- Simulation kits for Intel 8085, 8086 & Z80
- Real-time computer simulators for 8748, 80196 and 8051
- Turbo assemblers for assembly level programming

COMPUTER LAB

- VLSI Simulation on Xilinx
- LISP Environment
- VSAT Network with ECE and CSE Departments

PROCESS CONTROL LAB

- PID Controller Kit
- Lag/Lead Network Kit
- Lab-View 7.0, Mi-Power
- Mat Lab 7.0
- PLC based Controller

COMPUTER SCIENCE AND ENGINEERING & INFORMATION TECHNOLOGY

We the department of computer science and engineering ever since 1984 strive to create an ambience of academic excellence in which new ideas, research and scholarship flourish and from which the leaders and innovators of tomorrow emerge.

The B.E and B.TECH course in the department of computer science and engineering is one of the most eminent courses in GCT. The four-year under graduate programme in Computer Science is intended to train the students in both advanced areas in the core courses and specialized topics in the emerging technology fronts.

It has become the pool for research scholars with inclusion of M.Phil and PhD courses in 1992. We have a team of highly qualified and dedicated teaching faculties well supported by a large group of staff for keeping campus vibrant as a temple of knowledge under a self imposed discipline by one and all.

Our future techies, scientists, executives, entrepreneurs are nurtured and encouraged with creative approach.It has excellent infrastructural and facilities for students. It is the endeavor of the management to periodically migrate to the latest software and hardware to keep pace with ever changing needs with the industries so that our students come out with latest knowledge in both software and hardware.

The necessary licensed software and internet facilities are available for all students round the clock. Besides imparting theoretical knowledge,the curriculum stresses on developing analytical skills, communication, problem solving, and teamwork abilities.

CURRICULUM

CORE SUBJECTS

- Data structures and Algorithms
- Object oriented methodology
- Java programming
- Microprocessor and interfacing
- Database systems
- System Programming
- Operating system
- UNIX internals
- Visual programming
- Computer networks
- Compiler design
- Network security
- Web technology
- Artificial intelligence
- Theory of computation
- Computer architecture

ELECTIVES

- Enterprise JAVA – J2EE
- Real time system
- High performance architecture
- C# and .net frame work
- Component based technology
- Web services
- Genetic algorithm and swarm intelligence
- Multimedia systems
- PC Hardware and troubleshooting
- Distributed computing
- Fuzzy logic and Neural networks
- TCP/IP and implementation
- Pattern recognition
- Theory of grid computing
- ATM networks
- Advanced data bases
- Data warehousing and Data mining
- Software project management
- Parallel computing
- Nano technology and applications

LABORATORY

- Integrated Circuits Lab
- Microprocessor and Interfacing Lab
- System Programming & OS Lab
- RDBMS Lab
- Hardware Lab
- Networking and N/W Security Lab
- Compiler Design Lab
- Software Engineering Lab

PROJECTS

- Image Processing and Pattern Recognition
- Neural Networks and Fuzzy Systems
- Genetic Algorithms
- Network Security and Routing

Laboratory Facilities

PLATFORMS AVAILABLE

Windows - Windows XP, Vista and 7

Unix - Redhat 6 Enterprise, Fedora 13 and Ubuntu

SOFTWARE FACILITIES

Oracle 11g for RDBMS Lab

MatLAB for Image Processing

Visual Studio 2008 for Visual Programming Lab

Network Simulation Software like ns2/ns3, OPNET, NetSim

IBM's Rational Requisite Pro Software for Software Development and Testing

HARDWARE LAB

PC hardware trainer kit for the study of

1. CPU
2. Motherboard
3. All peripherals devices
4. Troubleshooting techniques.

MICROPROCESSOR AND INTERFACING LAB

8085 and 8086 Trainer Kit and Emulators

8051 Interfacing Kit

Analog to digital and digital to analog interfacing

INDUSTRIAL BIO-TECHNOLOGY

The Department of Industrial Biotechnology, which is one of the radiant departments of GCT, was set up a few years ago, to inculcate vast industrial approaches in order to solve up growing challenges among the modern Biology and Engineering. It offers a full time B.Tech program in Industrial Biotechnology, and has a PhD program. The department has expertise faculty members experienced in various distinct disciplines of biotechnology, which includes Chemical Engineering, Genetic Engineering, Microbial Engineering, Pharmaceutical Engineering, Immunotechnology and much more.

The department has been built on well-spaced environment and upgraded laboratories to help students to learn practically about Genetic Engineering, Bio-process engineering, Immunotechnology, Chemical Engineering, instrumental Methods of analysis, Downstream Processing, Biochemistry, Cell Biology, Bioorganic chemistry, Micro Biology and so on.

Every year, the department organizes various National Level seminars and receives funds from the Department of Biotechnology, Ministry of Science and technology, New Delhi and AICTE, New Delhi. Theoretical knowledge has been supplemented through Industrial Visits regularly. Our students have undergone summer training in SPIC, Orchid Pharmaceuticals, ONGC, Pasteur Institute of India, CLRI, Pharmafabrikon, JKPharma, Britannia, Zenith biotech, MDRF Chennai, Aurofoods, Tandem InfoTech, and many other industries.

CURRICULUM

CORE SUBJECTS

Principles of chemical engineering
Cell biology
Micro biology
Bio-organic chemistry
Molecular biology
Bio-Thermodynamics
Enzyme engineering and technology
Bioprocess principles
Genetic engineering
Bioinformatics
Protein engineering
Immunology
Chemical reaction engineering
Mass transfer operations

LABORATORY

Instrumentation Lab
Control Lab
Computer Lab
Process control Lab
Digital Lab

ELECTIVES

Environmental biotechnology
Animal biotechnology
Bio-Conjugate technology
Principles of food processing
Plant biotechnology
Cancer biology
Genomics and proteomics
Molecular pathogenesis
Immuno Technology
Metabolic engineering
Neurobiology

PROJECTS

Development of Recombinant Vaccine for HPV in cervical cancer

Role of Dendritic cell in cervical cancer patients having TB infection

Immunological role of tuberculosis in the incident of cervical cancer

Synthesizing small molecules that mimic CD40-L

Laboratory Facilities

GENETIC ENGINEERING LAB

PCR
Centrifuges
Chromatography
Electrophoresis apparatus
Gel documents

IMMUNOLOGY LAB

ELISA Reader
Refrigerated centrifuge
Fluorescent microscope

BIOINFORMATICS LAB

Swiss PDB viewer
Clustal X & Clustal W
Rasmol, etc,.

CELL BIOLOGY LAB

This provides hands on training on cytological procedures. It contains equipment such as phase contrast, bright field and dark field microscopes with photographic facility, laminar flow hood and incubators for culturing microbes, plants and animal cells.

LIBRARY

The library boasts excellent facilities and it serves as a place for quiet reading, group collaboration, individual research and recreational reading. It is an essential component of the institute's outstanding research and education mission. It is a most lively place on the campus providing a safe, comfortable and friendly environment that enables learning and advancement of knowledge, and promotes discovery and scholarship. This modern central library is associated with more than one lakh documents consisting of technical books, reports, standards and back volumes of journals. The library subscribes to 89 periodicals (print) plus 500+ (e-journals) besides a holding of 25493 bound volumes (back-numbers). The library also contains 15,000 books in textbook bank. For ease of use, Each department has its own library. Apart from the central library, state-of-the-art digital library is inaugurated to benefit the students immensely.

ISSUE SECTION
No. Of Books-93281
No. Of Titles-64825
Value-150.80 lakhs

JOURNALS
No. Of Back volumes-40884
Value-82.05 lakhs
No. Of journals from 2010-83
Value-2.66 lakhs

TEQIP FUNDS
No. Of books purchased-3376
Value-58.14 lakhs

Average No of users per day - 155

DIGITAL LIBRARY
No of Computers - 25
Book CDs - 820
Journal CDs - 354

Average no. of users/day-65

FUTURE DEVELOPMENT
Current budget allotted-6 lakhs
Block granted

EXTRA CURRICULAR ACTIVITIES

Technical Symposia

GCT's annual national level technical symposia provide opportunities for students to hone their technical skills and to publish their original works. The following symposia typically occur in the even semester (December to May) of the academic year.

Elyzia - Biotechnology Association(BTA)
Geofest - Civil Engineering Association (CEA)
InfoQuest - Computer Science and Information Technology Association (CSITA)
Nexus - Electronics and Communication Engineering Association (ECEA)
Oracle - Electrical, Electronics, and Instrumentation Engineering Association (EEEIEA)
Praxis - Production Engineering Association (PEA)
Technotryst - Mechanical Engineering Association (MEA)

Miscellaneous Celebrations

Sangamam by Tamil Mandram, LDS and Fine Arts Club
Brain Strain by Literary and Debating Society
Sports Day
Science Club's Annual Celebration

Sports

GCT hosts soccer, cricket, hockey, baseball and athletics fields, tennis courts, volley ball courts, basket ball courts,Ball Badminton and a well equipped gym. Some of the notable sports loved by GCTians are:

- Chess
- Cricket
- Ball Badminton
- Badminton
- Softball
- Basketball
- Hockey
- Soccer
- Table Tennis
- Tennis
- Volleyball
- Kabbadi
- Kho Kho

ALUMNI

WELL KNOWN GCT ALUMNI

Dr.Mylswamy Annadurai, Project Director of Chandrayaan-1, India's first lunar probe
Dr. N. Valarmathi, Project Head, RITSAT(Radar Imaging Satellite)
Dr. A. Kalanidhi, Former Vice Chancellor, Anna University.
Dr. M. Ananthakrishnan, Former Vice Chancellor, Anna University
B. B. Sundaresan, T. N. Planning commission, Former Vice Chancellor, Madras University
Dr. T. R. Natesan, Former Vice Chancellor, Gandhigram Deemed University
N.A. Gnanam, Former Director of Technical Education
V. K. Jayakudi, IAS, Director of Technical Education
Dr. A. Balakrishnan. A, Former Principal, GCT
Dr. R. Sundararajan ,Principal, GCT
Dr. V. LakshmiPrabha, Principal, GCE Thirunelveli
Dr. C. Sivanandan, Former Principal, BIT Sathy
Prof. V. Ganesan, IIT, Chennai
Ashok Varadhan Shetty, IAS
Narayanan Desukudi, IAS
K.Gnanadesikan, IAS, Finance Secretary, TN Government
Ravi Arumugam, IPS
J. Balakumaran, Project Manager, ABB Ltd
Baskaran,Former CEO, Impulse Soft
Bobby Balachandran,President and CEO,Exterro and many more...

GCT's Alumni Association is renowned for the welfare of the deserved and the meritorious pupil. Scholarships have been given every year. These scholarships are instituted by Philanthropists and awarded through GCT Old Students Association. Alumni Association's contribution doesn't end here. It has also paved way for the Senior-Junior Interaction and thereby shaping the younger generation to continue the same.

Some of the scholarships are :

A. P. Madhavan Memorial Scholarship
1962 Batch Old Students Silver Jubilee Scholarship
1950-54 Batch Old Students Scholarship
1963 Batch Old Students Silver Jubilee Scholarship
V. Janakiraman Memorial Sholarship
GCT old students association NRI merit scholarship
GCT CSE Alumni fund
GD Naidu Memorial Scholarship and many more . . .

www.gctalumni.org

PLACEMENT AND TRAINING CELL

The true measure of effectiveness of the Placement Cell lies in the acceptance of its students by the industry. GCT's Industry collaboration has an unparalleled track record in helping young minds of GCT find their dream careers.

The main endeavor of GCT, is to get students placed in reputed MNC's and PSU's. All students registered with GCT are entitled to get placement assistance. The GCT Placement cell acts as an interface between the industry and the students and primarily enables the students to select their career options. It facilitates the selection process of all the companies as per their requirements.The cell conducts seminars and workshops to enable students to become successful professionals.Our College also has a very strong industry interaction centre apart from a full-fledged Training and Placement Cell.

Hosting companies on campus

The Training & Placement Cell provides all audio-visual facilities for Powerpoint Presentations, written test, group discussion, interviews and internet facilities for conducting online tests upon prior intimation.

Conveyance from/to Airport or Railway station and food can be arranged for the company on prior intimation and the cost of these can be borne by the institute.Regarding the stay of the executives, all the arrangements for their accommodation will be made but the costs are to be borne by the company.

Pre placement training

Students are oriented towards Placement Training from the dawn of 3rd semester. Training programs include aptitude tests,strengthening technical domain, group discussions,mock interviews, soft skills development etc...

OBJECTIVES

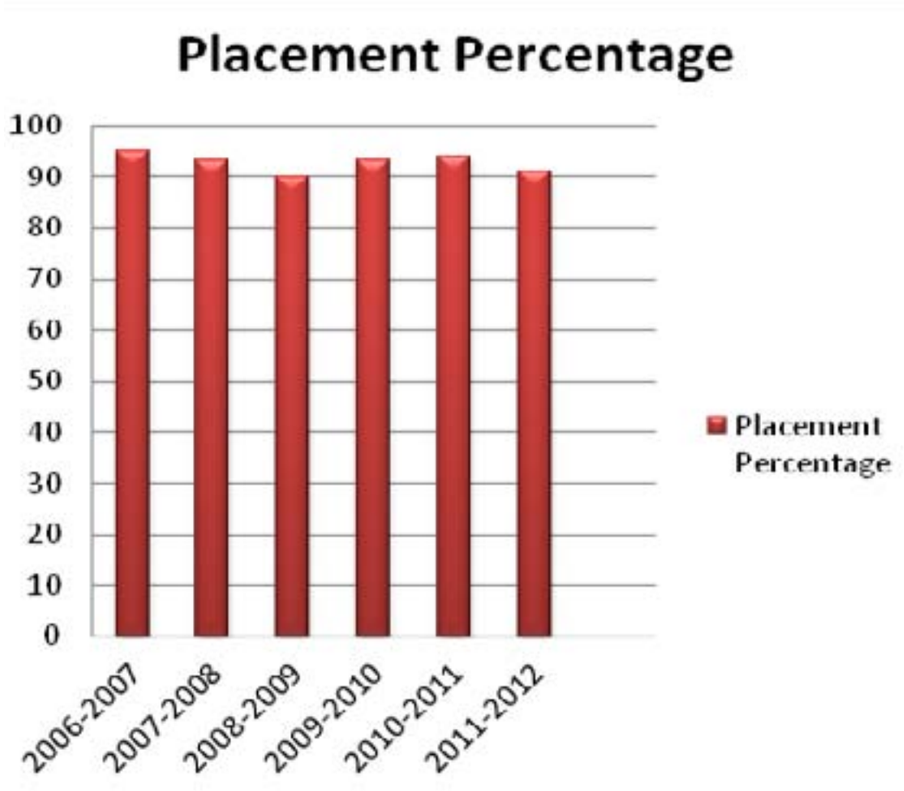
- Identification of student's potential and mapping their competencies
- Cataloguing the database of students (their specialization, interest and academic performance)
- Providing interlink for the enthusiastic talent, ready to explore new horizons alongside the growing requirement of the corporate world
- Carrying out career counseling for students
- Survey on recruiters' expectations from students
- Feedback from employees of past batches
- Alumni networking

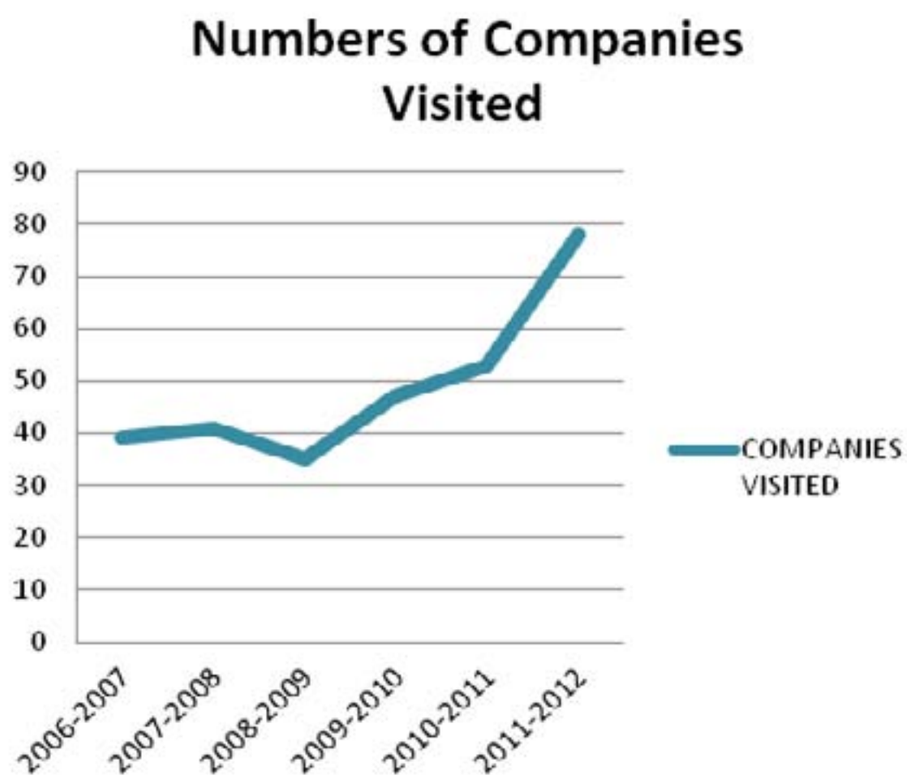
OUR ESTEEMED RECRUITERS

OUR ESTEEMED RECRUITERS

ADP Wilco
Adobe Efficient Frontier
Alcatel Lucent
Amazon
Aricent
Ashok Leyland
Aspire Systems
Athenahealth
Bajaj Auto Ltd.
Banyan Network
Birlasoft
Blue Star
Brakes India
Caritor Solutions
Caterpillar
Cisco
Commvault
Consolidated Construction Consortium Ltd.
Cordys
Crompton Greaves
Csc
Cognizant
D.E.Shaw
Ebay
EMC
Ernst& Young
Exterro
Exeter
Frontline Consultancy Solutions Ltd.
Fujitsu
Global Scholars
Godrej
Grindwell Norton
Hexaware
HCL Technologies
Hindustan Motors
Honeywell
HP
Huawei
iNautix
IBM
Iflex
IMR Global
India Pistons
Infosys
Intergraph
Informatica
John & Flower
Juno
KALE Consultant
LMW
Lucent
Larsen & Toubro
L&T Infotech
Logitech
Lucas TVS
Mico Bosch
Microsoft
Mind Tree
Mu Sigma
Murugappa Groups
National Instruments
Nokia Siemens Networks
Odyssey
Patni Computer Systems
Polaris
Pricol
Ramco Systems
Rane Group
Robert Bosch
Sapient
Sasken
Sonata
Source Bits
Subex
Sundaram Fasteners Ltd
Sundaram-Clayton Ltd.
Sanmar Group
Symphony Systems
Syntel
Tata Infotech
Tata Elxsi
Tata Unisys
Tavant Technologies
Tata Consultancy Services
Thought Works
Tech Mahindra
TELCO
Thorogood Associates
Titan
TVS
Tube Investments
Vedanta
Verizon
Virtusa
Wipro Infotech
Wipro Technologies
Yahoo

PLACEMENT STATISTICS





COLLAGE OF GCT

CONTACT US:
Dr.K.S.Amirthagadeswaran
Placement and Training Officer
Mobile: +91 9442141844
M.Krishnakumar
Student Coordinator
Mobile: +91 9597697495
Mail id: gctplacements@gct.ac.in

GOVERNMENT COLLEGE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTION
ACCREDITED BY NBA
Coimbatore, Tamilnadu-641 013