WELCOME TO THE CAMPUS

CALCUTTA INSTITUTE OF TECHNOLOGY

NH6, BANITABLA, ULUBERIA, HOWRAH, WEST BENGAL 711316

INTRODUCTION: Calcutta Institute of Technology, in Uluberia, West Bengal, India offers degree courses in Engineering, which are affiliated to Maulana Abul Kalam Azad University of Technology (MAKAUT) and Diploma courses in Engineering which are affiliated to West Bengal State Council of Technical Education.

Calcutta Institute of Technology was established in 2004 with the aim to provide innovative methods to improve the quality of higher education in Engineering to prospective students. Today, the Institute has a sprawling campus with excellent learning environment, set in picturesque lush green surroundings near Mumbai - Kolkata National Highway (NH-6) in the township of Uluberia, about 30kms from the District Headquarters, Howrah and 34 kms from Kolkata. Good communication facility with Kolkata city is an added advantage to have collaboration with academic and scientific Institutions in Kolkata. It is needless to say that the growth of our country will depend on Industrial Development and there is always a need for the young engineers to give their contribution to the cause. Our aim is always there to infuse young, intelligent minds with cutting edge technical education and help them to become matured professionals who are poised and ready to accept technical and managerial challenges in the global scenario.

VISION

The vision of CIT has always been to strive continuously in pursuit of excellence in Education, Research and Entrepreneurship. We provide effective teaching learning process so that students hailing from different cross sections of the society will be equipped with adequate technical knowledge as per the demand of the society and Industry. In future, we would eventually become a Global centre to offer scientific and technological services to the society.

MISSION

➢ To impart total quality education to develop innovative, entrepreneurial and ethical future professionals to fit for globally competitive environment.

➢ To share institutional experience in education and knowledge with stake holders for mutual enrichment in the field of technical education.

➢ To contribute to the socio-economic development of the society through scientific and technological services.

INSTITUTIONAL STRENGTH

The Institute has a prime location beside the National highway and can be reached by many routes. The Institute has a sprawling campus with playground, canteen Hostel and other facilities. We have dedicated faculty members who apart from teaching offer all possible help to the students. The untiring efforts of the faculty members bring excellence in engineering education and make good human resources in Engineering and Technology. Thus strength of the Institute lies in its motivation to promote enrichment of technology, economics and society of our nation.

At present our college offers both Degree and Diploma courses as given as:

<div align="center">

Post Graduation

</div>

M. Tech: (Two-year)

Chemical Engineering

Master of Computer Applications (MCA, Two-year)

<div align="center">

Undergraduate (B. Tech-4 Years Duration)

</div>

- Mechanical Engineering (ME)
- Chemical Engineering(CHE)
- Computer Science & Engineering (CSE)
- Civil Engineering (CE)
- Electronics and Communication Engineering (ECE)
- Electrical Engineering (EE)

<div align="center">

Diploma Engineering (Diploma-3 Years Duration)

</div>

Mechanical Engineering (DME)
- Electrical Engineering (DEE)
- Civil Engineering (DCE)
- Electronics & Telecommunication Engineering (DETCE)

<div align="center">

The salient features of CIT

</div>

- WI-FI Campus
- Bank with ATM in Campus
- Scholarship for Meritorious and Economically Poor Students
- Ragging Free Campus
- Transport Facilities from Kolkata

- Book Bank Facility
- Medical facility with Ambulance
- Canteen
- Excellent Placement Record
- Hostel for both Boys & Girls
- Playground Facility

Campus:

Address of the Institution	BANITABLA, ULUBERIA, HOWRAH
City & Pin Code	HOWRAH-711316
State / UT	WEST BENGAL
Phone number with STD code	033-26610736
FAX number with STD code	033-26613733
Email	principal.cit@urschard.in
Website	www.urschard.in

Follow us on **facebook**: https://www.facebook.com/CalcuttaInstituteOfTechnologyhowrah/

CIT B.TECH FEE STRUCTURE 2021-22

Semester	1st	2nd	3rd	4th	5th	6th	7th	8th	Grand Total
Admission Fees	5000	0	0	0	0	0	0	0	**5000**
Tuition Fees	40000	40000	41000	41000	42000	42000	43000	43000	**332000**
Library-Book Bank	1500	0	0	0	0	0	0	0	**1500**
Total	**46500**	**40000**	**41000**	**41000**	**42000**	**42000**	**43000**	**43000**	**338500**

University Registration, Development & Examination Fees will be paied separately on actual basis.

B.TECH LATERAL ENTRY 2021-22

Semester							Grand Total
	3rd	**4th**	**5th**	**6th**	**7th**	**8th**	
B.Tech. Lateral	29500	29500	29500	29500	29500	29500	**177000**

MCA 2-YEAR COURSE 2021-22

Semester	1st	2nd	3rd	4th	Grand Total
MCA	40000	30000	30000	30000	**130000**

M TECH 2-YEAR COURSE 2021-22

Semester	1st	2nd	3rd	4th	Grand Total
M Tech	40000	40000	40000	40000	**160000**

CIT DIPLOMA ENGG. FEE STRUCTURE 2021-22

PARTICULARS	1st SEM		2ND SEM		3RD SEM		4TH SEM		5TH SEM		6TH SEM		Grand Total	
	JEXPO	DIRECT	JEXPO	DIRECT	JEXPO	DIRECT	JEXPO	DIRECT	JEXPO	DIRECT	JEXPO	DIRECT	JEXPO	DIRECT
ADMISSION FEES	3000	3000	0	0	0	0	0	0	0	0	0	0	3000	3000
TUITION FEES	9000	15000	9000	15000	9000	15000	9000	15000	9000	15000	9000	15000	54000	90000
DEVELOPMENT FEES	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	18000	18000
LAB CAUTION DIPOSIT	4000	4000	0	0	0	0	0	0	0	0	0	0	4000	4000
LIBRARY CAUTION DIPOSIT	4000	4000	0	0	0	0	0	0	0	0	0	0	4000	4000
STUDENT ACTIVITY	500	500	500	500	500	500	500	500	500	500	500	500	3000	3000
SOFT SKILL	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	15000	15000
LIBRARY BOOK BANK	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	6000	6000
MISLENIOUS, Industrial Tour	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	18000	18000
TOTAL	30000	36000	19000	25000	19000	25000	19000	25000	19000	25000	19000	25000	125000	161000

FACULTIES

Name	Designation& Qualification
PROF.(DR.) PRIYABRATA SARKAR	Principal In-Charge (I.I.T. K)

Department of Computer Science &Engg.

Name	Designation
SOURABH CHANDRA	Assistant Professor (M.Tech. MAKAUT)
SULEKHA KUNDU	Assistant Professor (M.Tech. MAKAUT)
DIPAYAN KUMAR GHOSH	Assistant Professor (M.Tech. MAKAUT)
KRISHNA KUMAR JHA	Assistant Professor (M.Tech. University of Calcutta)
MONIKA RANI PATRA DALAI	Assistant Professor (M.Tech. MAKAUT)
POULOMI ROY	Assistant Professor (M.Tech., PDSIT, IIEST Shibpur)
SUBHENDU SEKHAR PATRA	Assistant Professor (M.E. , MAKAUT)

Department of Electronics & Communication Engg.

Name	Designation
ANIRUDDHA GHOSH	Assistant Professor (Teacher in-charge), PhD submitted, MAKAUT in house.
DR. HIMADRI MANDAL	Assistant Professor (PhD, Yuan Ze University, R.O.C, Taiwan.)
BAPPADITYA BISWAS	Assistant Professor M-Tech, University College of Science and Technology,(UCSCA), Kolkata
CHIRODEEP GHOSH	Assistant Professor M-Tech, University College of Science Technology Agriculture, University of Calcutta.
ANUPAM DEY	Assistant Professor M-Tech, MAKAUT
MAHUYA MAITY	Lecturer (M Tech, MAKAUT)

| SUBHANKAR DEY | Lecturer(B.Tech, MAKAUT) |

Department of Chemical Engg.

Name	Designation
DR. MONAL DUTTA	Assistant Professor (I.I.T. KHARAGPUR)
DR.RAJESH GHOSH	Assistant Professor ()
PROF.(DR.) HARISADHAN SARKAR	Professor (I.I.T. KHARAGPUR)
ARUNIMA ADAK	Assistant Professor (M.Tech JADAVPUR UNIVERSITY)
DEBDUTTA MONDAL	Assistant Professor (M.Tech, CALCUTTA UNIVERSITY)
DR. RITIMA BANERJEE	Assistant Professor (I.I.T. DELHI)
SWAPNENDU CHATTERJEE	Assistant Professor (M.Tech, JADAVPUR UNIVERSITY)

Department of Electrical Engg.

Name	Designation
PROF.(DR.) SANTOSH KUMAR NATH	Professor ((PhD IIUEP,Moscow, Russia))
PRITOM ADHIKARY	Assistant Professor(M.Tech, CALCUTTA UNIVERSITY)
SAROSIJ ADHIKARY	Assistant Professor (M.Tech,MAKAUT)
DIPTAN SINHA	Assistant Professor(M.Tech,MAKAUT)
GANESH TIWARY	Assistant Professor(M.Tech, ALIAH UNIVERSITY)
SUJAN SIDDIQUEE	Lecturer(B.TechMAKAUT)
SUBHASHREE CHATTERJEE	Lecturer(B.Tech,WBUT)
RAKESH DAS	Lecturer(B.Tech,WBUT)

Department of Civil Engg.

Name	Designation

SUBHANKAR NAG	ASSOT. PROFESSOR (M.TECH- IIT KGP)
JAYANTA BANERJEE	ASSISTANT PROFESSOR(ME,IIEST, SHIBPUR)
PROSENJIT DAS	ASSISTANT PROFESSOR (M.E, IIEST, SHIBPUR)
ANIBRATA CHATTERJEE	ASSISTANT PROFESSOR (M.TECH – NIT PATNA)
SUMANA MAITY	Lecturer (B.Tech –Jalpaiguri Govt.Engg College)
SUBHADIP PRAMANIK	Lecturer (B.Tech – Swami Vivekananda Institute Of Science & Technology)
PRANABESH JANA	Lecturer (B.Tech –Jalpaiguri Govt. Engg College)

Department of Mechanical Engg.

Name	Designation
NIRVIK BANERJEE	Assistant Professor(PhD Pursing, N.I.T Silchar)
AVISHEK MUKHERJEE	Assistant Professor (M.Tech., Haldia Institute of Technology)
AMIT RATAN BISWAS	Assistant Professor (PhD Pursing, N.I.T Silchar)
PARTHA SARATHI GHOSH	Assistant Professor (PhD Pursing, I.I.T Dhanbad)
UJJAL SAHU	Assistant Professor (PhD Pursing, N.I.T Silchar)
DEBDIP CHAKRABORTY	Assistant Professor (M.Tech., K.I.I.T., University)
DR. ABHISHEK SEN	Assistant Professor& TIC (Jadavpur University)
DIPANJAN PAUL	Assistant Professor (PhD Pursing, N.I.T Manipur)
SUBHASHRI ADHIKARI	Lecturer (B.Tech, Jadavpur University)
SURAJIT GHOROI	Lecturer (Institute of Engineers)
DIPANJAN PAUL	Lecturer Assistant Professor (PhD Pursing, N.I.T Manipur)

Master in Computer Application

Name	Designation
BIPLAB KANTI DAS	Assistant Professor (PhD (Pursuing), M.Tech JADAVPUR UNIVERSITY,MCA)

CHANCHAL GHOSH	Assistant Professor (M.Tech JADAVPUR UNIVERSITY, MCA JADAVPUR UNIVERSITY)
SUBRATA JANA	Assistant Professor(M.Tech, BIT MESHRA,MCA)
JOYDEB SHEET	Assistant Professor(MCA, IGNOU)
ANIRBAN SINHA	Assistant Professor(MCA, MAKAUT)

Department of General Sc. & Humanities

Name	Designation
DR. SOURABH ACHARYYA	Assistant Professor (PhD, University of Calcutta)
KRISHNENDU PRAMANICK	Assistant Professor (PhD, University of Calcutta)
DR. TAPAS KUMAR GHOSH	Assistant Professor (PhD, West Bengal State University)
PROF.(DR.) H.L.BHOUMICK	Professor (PhD)
PALASH SAHOO	Assistant Professor (M.Sc,(Maths), NIT Rourkela)
SANTANU BHATTACHARYA	Assistant Professor (M.Sc.,(Physics), Guru Ghasidas University)
SOUMITA GHOSH	Assistant Professor (M.Sc.,(Physics), Guru Ghasidas University)
SANTANU BASU	Assistant Professor (M.Sc.(Physics)
SOUBHIK BURAI	Assistant Professor (M.A.,(English), West Bengal State University)
SAYANI DAS	Assistant Professor (M.Com, CU, MBA, MAKAUT)
DR. TULI BAKSHI	Assistant Professor (M.Tech (JU),PhD, Jadavpur University)
MAMATA PAL	Assistant Professor (M.A.,(English) Rabindra Bharati University)
AVISHEK MANDAL	Assistant Professor, (M.Sc.(Maths), University of Calcutta)
SOURAV MUKHERJEE	Assistant Professor (MBA, MAKAUT)

| | KUHELI BHOWMIK | Guest Faculty (M.Sc., (Botany), University of Calcutta) |

- **Hostel facilities available under the supervision of trained warden(Separate wardens for Girls and Boys)**
- **Hostel located within 200m away from College campus.**
- **Boys Hostel: Location- Near College Campus, Banitabla, Uluberia, Howrah. Total Acomodation- 46.**
- **Girls Hostel: Location- Bazar Para, Uluberia, Howrah. Total Acomodation- 15**
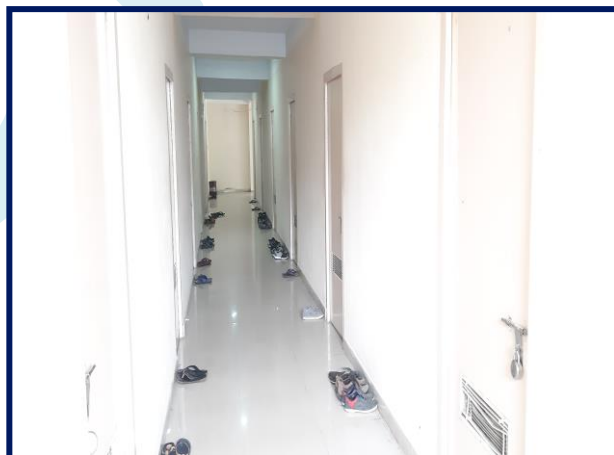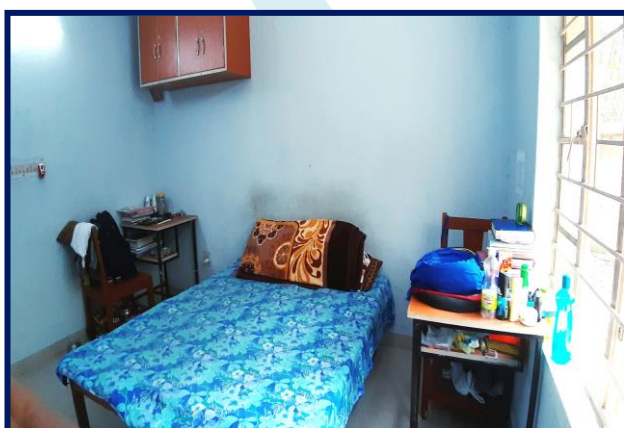
HOSTEL FEES

A TYPE: Rs./- 30000/year

B TYPE: Rs./ 26000/Year

Charges Including all modern facilities (Wifi, Individual study Desk, Separate washroom, 24 hours ambulance and Doctor Facilities, Separate housekeeping and cooking Staff) Food charges extra per month wise

Central transport facilities connects Howrah, Hooghly, Kolkata and Mednipore districts

We have a truly green campus

Ragging free Campus

For prevention of ragging there is active anti-ragging cell, for prevention of harassment of women employees, active ICC works. The grievances are addressed through Grievance Redressal Cell. There are prominent postings of Names of all members of the cells with contact numbers for reporting of any incident.

ANTI RAGGING COMMITTEE MEMBERS:

NAME	DESIGNATION	CONTACT NO.
Prof.(Dr.) Priyabrata Sarkar, Principal In-Charge	Chairman	9331040757
Representative of SDO, Uluberia	Member	033 26610336
Mr. Subhrajit Majumder, OC, Uluberia P.S.	Member	03326610261
Mr. Manotosh Basu , Adminitrative Officer	Member	7980104166
Mr. Subhankar Nag, HOD CE	Member	9830398902
Dr. Abhishek Sen, TIC, ME	Member	7003779867
Dr. Monal Dutta, TIC, CHE	Member	7980140950
Dr. Tapas Kumar Ghosh, Diploma Co-ordinator	Member	9143053125
Mr. Aniruddha Ghosh, TIC, ECE	Member	9836664656
Mr. Pritom Adhikary, TIC, EE	Member	9831608843
Mr. Krishna Kumar Jha, TIC, CSE	Member	8335069535
Mr. Chanchal Ghosh, TIC, MCA	Member	8335069536
Mr.Dinesh Chandra Mondal, Local media person	Member	9831124232/ 9831938580
Representative of NGO, Mr. Anup Das, Child Secretary, Navoday Sangha.	Member	9830625562
Two representative of guardians a. Sk.Abdul Majed, Local Gurdian of Siratoon Nahar(B.Tech, CSE)	Member	9088251858
b. Ajit Sarkar father of Amit Sarkar(MCA)	Member	9735259841

Ragging does not break the ice; it breaks lives, careers, and families.
Ragging is a crime!
Do not engage in it or support it.

DEPARTMENT OF CHEMICAL ENGINEERING

Department of Chemical Engineering is one of the oldest departments in this institute established in the year of 2004. Presntly the department consists total seven numbers of faculty members and most of them are graduated from various prestigeous institutes like I.I.T. Kharagpur, Jadavpur University and I.I.T. Delhi. To stimulate the quality of teaching self evaluation and accountability in the higher technical education of chemical engineering , the department will prepare the students for professional career by interaction with industries , academia and professional experts. The department promotes excellence in teaching, research , collaborative activities and positive contribution to the nation.

DIFFERENT LABORATORY FACILITIES OF CHEMICAL ENGINEERING.

A. Chemistry -2 Lab

B. Energy Laboratory

C. FLUID MECHANICS LABORATORY

D. Instrumental method of analysis Laboratory

E. Writing & Language Lab Practice

F. Data Structure and DBMS Laboratory

G. Heat Transfer Laboratory

H. Mechanical Operations Laboratory

I. Mass Transfer Laboratory

J. Reaction Engineering Laboratory

K. Chemical Engineering Electrical Machine Laboratory

L. Chemical Engineering Practical Process Equipment Design and Drawing-II Laboratory

M. Feasibility Analysis (ChE 692)

N. Machine Design Laboratory

O. Environmental Engineering Laboratory

P. Processes Instrumentation and Control Laboratory

Q. Chemical Engineering Biotechnology Laboratory

R. Numerical Computations Laboratory Numerical Methods

Some glimpses of Department

DEPARTMENT OF CIVIL ENGINEERING

About Department

The Department of Civil Engineering was formed in the year of 2011. The Department of Civil Engineering of Calcutta Institute of Technology offers B. Tech. as well as Diploma Course in Civil Engineering. The Institute is approved to MAKAUT (formally, West Bengal University of Technology). The experienced and Competent Faculty members and Technical Support staff of the Department have been imparting quality Education and Training to the Students of the Institute.. For B.Tech in Civil Engineering is a Under-Graduation program of four years course spanning over eight semesters, last year of which is exclusively reserved for project work. While for Diploma in Civil Engineering is a diploma program of three years course spanning over six semesters, last semester of which is exclusively reserved for project work.

The course curriculum is comprehensive and aims to provide sound theoretical concepts coupled with hands on experience in the best solution frameworks. The course curriculum have been designed mainly to focus on the following thrust areas likes design a truss, design a building, making dams, pavement, drainage system of city, buildings, sewer service dams, railways, bridges, highways, airport and many things. In general, the course of **civil engineering** is concerned with **the overall interface of human created fixed projects with the greater world**.

We have collaboration with different Industries like L&T, Gammon India, TATA, RCD Concrete, Haldia Petrochem Ace Designer. These organizations organize training for the students and provide them global Certification.

We organize summer training program for students with different industries it help students to become industry ready.

We provide soft-skill training to students for their overall development.

Salient Features

- Full Fledged placement cell assisting personality development training and communication development classes.
- Regular industry interaction through our Alumni Cell as well as expert from industry.
- Industrial visit.
- In house workshop on recent technologies
- Organize In house **Technical and Aptitude** test to prepare students for campus drive
- Career opportunity seminars.
- Regular counseling / monitoring for students.
- Round the clock state of the art computer lab with LAN networking with Internet and web-browsing facility. The Department has exclusive Intranet server, so that the students get all the details about the **unit test schedule**, **Model question papers**, **Self evaluator system with more than 1000 questions**.
- All the Class rooms are furnished with WI-Fi internet connectivity, LCD projectors, Visualized class room facility.

Lab Facilities

The department has good Laboratories equipment. With the laboratories we have computers which are networked and protected from all known viruses and firewall to have complete data security. To ensure continues usability of computers to the students, all the computers have a power backup with uninterrupted power supply (UPS). Essential licensed software is provided to all systems to support the academic and University curriculum.

Name of laboratories available for use:

1. *Survey Lab*
2. *Concrete lab.*
3. *Geotechnical Lab.*
4. *Language lab*
5. *geology lab*
6. *Numerical lab*
7. *Transportation lab*
8. *Environment lab*
9. *Solid mechanics lab*
10. *AutoCAD lab*
11. *Drawing lab*

LAB Utilize for

- Cement Consistency Test
- Sub grade strength
- Building drawing
- Shear strength of soil
- Leveling
- Traversing
- CBR Test
- English& Soft Skill Lab
- Mathematics & Numerical Lab
- R & D Lab

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The department of Computer Science and Engineering started functioning in the year 2004, since its inception, the Department has flourished a lot in every field including academics, research and other extra-curricular activities.

The department plays a vital role in motivating and bringing a vibrant, forward looking environment to the college. Presently the Department is offering B.Tech degree course in Computer Science and Engineering.

The department runs under the supervision of Mr. Krishna Kumar Jha, TIC, Pursuing his Ph.D from MAKAUT. The department is run by a number of young energetic faculty members who have completed M.Tech from well-known institutes like IIEST Shibpur,MAKAUT etc.

The department strives for excellence in research, teaching and service, covering the fundamental as well as recent trends in the domain of computer science and information technology. Every individual student is monitored and mentored by a group of dedicated faculty members. Special attention is given to the slow learners.

Lab facilities

- Internet Technology Lab
- Image Processing Lab
- Artificial Intelligence
- Soft Computing Lab
- Pattern Recognition Lab
- Software Engineering Lab
- Operating System Lab
- Network Lab
- Database Management System Lab
- OOP Lab
- DSP Lab
- Data Communication Lab
- Circuits and Networks Lab
- Programming Practices Using C++ Lab

- Microprocessor & Microcontroller Lab

- Design & Analysis Algorithm Lab

- Computer Architecture Lab

- Software Tools Lab

- Communication Engineering & Coding Theory Lab

- NUMERICAL METHODS Lab

- Technical Report Writing & Language Lab Practice Lab

- omputer organization Lab

- Data Structure & Algorithm Lab

- Analog & Digital Electronics Lab

- Programming for Problem Solving Lab

Some glimpses of Department

WORKSHOP - IBM BLUEMIX

Department of Electronics & Communication Engineering

Create quality engineering professionals and entrepreneurs through quality education, research, innovation, and teamwork for sustainable technology development in the area of Electronics and Communication Engineering.

- ➢ To contribute to the socio-economic development of the society through scientific and technological services.

- ➢ To share with stakeholders institutional experience in education and knowledge for mutual enrichment in the field of technical education.

- ➢ To create an ambiance in which new ideas, research, and scholarship flourish and from which leaders, innovators, and entrepreneurs of tomorrow emerge.

- ➢ To promote the department to the stature of the center of excellence and diversity in thinking.

- ➢ To nurture the creative as well as leadership skills of the students.

- ➢ To develop the department as a lead center of research activities through an internationally recognized research program.

- ➢ To tie-up with the industry and foreign universities.

- ➢ To consider the suggestion from highly successful alumni in the process of uplifting the academic profile.

- ➢ To encourage exposure to current events by hosting workshops and seminars and inviting persons of repute for talks.

Program Educational Objectives :

The program educational objectives (PEOs) of the Electronics and Communication Engineering (ECE) program have been defined based on the inputs from our ECE affiliates. They are related to the abilities of our engineering graduates three to five years after graduation.

Students are prepared to be capable of analyzing the problems by applying the core knowledge of Electronics & Communication Engineering in association with other subjects and ultimately to pave the path for higher education & research. Students can work productively in supportive and leadership roles on multidisciplinary teams with effective communication and teamwork skills with high regard to legal and ethical responsibilities. Students are trained to develop and refine their knowledge and skills for management, communication, leadership roles, and professional ethics to apply Electronics & Communication Engineering solutions within a global, societal and environmental context.

➢ **Excellent faculty & Ideal research atmosphere.**

➢ **Excellent laboratory facilities**

Laboratories:

1. Electronic Devices Lab.

2. Digital System Design Lab.

3. Analog Electronic Circuits Lab.

4. Microprocessor & Microcontrollers Lab

5. Analog Communication Lab

6. Electromagnetic Wave Lab

7. Digital Signal Processing Lab.

8. Control System and Instrumentation Lab.

9. Design Workshop

10. VLSI Design Lab

11. Project Laboratory

Some glimpses of Department
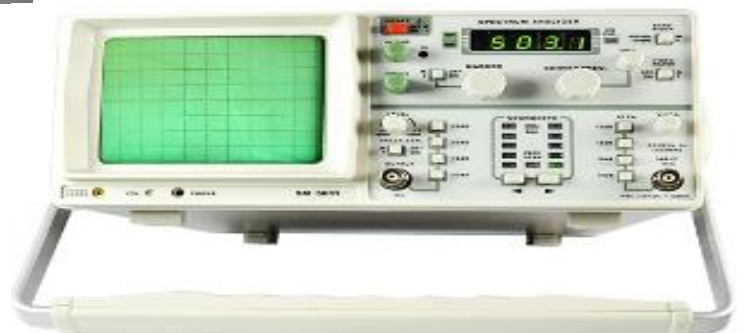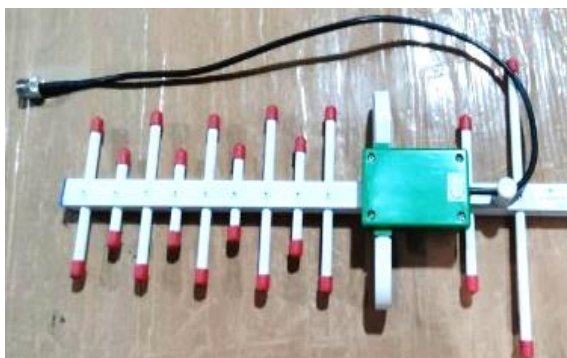
DEPARTMENT OF MECHANICAL ENGINEERING

ABOUT THE DEPARTMENT:

Department of Mechanical Engineering of Calcutta Institute of Technology, Uluberia, Howrah, West Bengal, India has started its journey both in diploma and B. Tech courses. Department of Mechanical Engineering provides a student-focused, hands-on approach to engineering education, producing graduates who are highly sought after not only by employers but also the universities across the nation. In both Diploma and B. Tech courses, the main aim of the Department is to develop expertise in many areas, including Manufacturing, Design, Thermal/Fluid sciences, and solid mechanics. The Sophisticated Laboratories on Fluid Mechanics, Hydraulic Machines, Material Testing, Automobile, I.C Engine, Heat Transfer, Heat Power, Refrigeration and Air Conditioning, Metrology & Measurement, AutoCAD, Catia, Ansys, Matlab, Workshop Practice that provide a sound base for research and academic activities. The might of the Department, apart from its Students, is its Qualified and Experienced Faculty/Staff members. Faculties are actively engaged in teaching and mentoring students apart from perusing their research activities in the emerging fields of engineering. The department has a resourceful team of faculty who regularly engage in publishing highly technical papers in reputed International Journals, Books, Book Chapters, etc. Besides, they have also attended International Conferences, Technical workshops, NPTEL courses, seminars organized by various technical institutes. Mechanical Engineering Department has also introduced general and technical aptitude classes for the students to prepare themselves for the various government and GATE exams from this year onward. The department also provides mock interview lessons to the students for the preparation of the job interview.

MISSION

I. To provide the highest level of education in technology and to produce competent, creative and imaginative engineers.

II. To promote a spirit of free and objective enquiry in different fields of knowledge.

III. To make a significant contribution towards the development of skilled technical manpower.

IV. To create an intellectual reservoir to meet the growing demands of the nation.

V. The undergraduate programs are designed to achieve these objectives and to inculcate in the student concepts and intellectual skills, courage and integrity, awareness of and sensitivity to the needs and aspirations of the society.

Lab facility

Applied Mechanics Lab

Workshop

Thermal Lab

Drawing Lab

Fluid Lab

Numerical Analysis

AutoCAD Design Lab

Mechanical Design Lab

Metrology Lab

Some glimpses of Department

MECHANICAL LABORATORY AND INSTRUMENTS

DEPARTMENT OF ELECTRICAL ENGINEERING

ABOUT THE DEPARTMENT:

The Department of Electrical Engineering was formed in the year of 2011. The Department of Electrical Engineering of Calcutta Institute of Technology offers B. Tech. Course in Electrical Engineering. The Institute is approved to MAKAUT (formally, West Bengal University of Technology). Course of Electrical Engineering has been started in academic Session 2011- 2012.

R&D activities have been started from 2012 and a numbers of Valuable papers were published from the Electrical Engineering Department since 2012-2013. The experienced and Competent Faculty members and Technical Support staff of the Department have been imparting quality Education and Training to the Students of the Institute.

INFRASTRUCTURE & FACILITIES:

Analog & Digital Electronic circuit Laboratory

Technical report writing & language laboratory practice

Electric Circuit Theory Laboratory

Numerical Methods Laboratory

Thermal power Engineering Lab

Electric Machine-I Laboratory

Electrical & Electronic measurement Laboratory

Physics-II Laboratory

Electric machine-II Laboratory

Power system-I, Laboratory

Control system-I Laboratory

Computer Organization Laboratory

Micro Processor & Microcontroller Laboratory

Control System-II, Laboratory

Power System-II, Laboratory

Power Electronics, Laboratory

Software Engineering,

Embedded Systems

Seminar on industrial training

Digital Communication Laboratory

Electric Drive Laboratory

Computer Network Laboratory

Electrical system design-I Laboratory

Project Laboratory

Electrical system Lab-II Laboratory

Faculties

Name	Designation
PROF.(DR.) SANTOSH KUMAR NATH	Professor ((PhD IIUEP,Moscow, Russia))
PRITOM ADHIKARY	Assistant Professor(M.Tech, CALCUTTA UNIVERSITY)
SAROSIJ ADHIKARY	Assistant Professor (M.Tech,MAKAUT)
DIPTAN SINHA	Assistant Professor(M.Tech,MAKAUT)
GANESH TIWARY	Assistant Professor(M.Tech, ALIAH UNIVERSITY)
SUJAN SIDDIQUEE	Lecturer(B.TechMAKAUT)
SUBHASHREE CHATTERJEE	Lecturer(B.Tech,WBUT)
RAKESH DAS	Lecturer(B.Tech,WBUT)
PRAKASH KR SINGH	Lecturer(B.TechMAKAUT)

Some glimpses of Department

DEPARTMENT OF GENERAL SCIENCE AND HUMANITIES

General Science and Humanities department, being the backbone of all engineering fields is proudly imparting knowledge to the students of Calcutta Institute of Technology with a vision that the students will be successful professionals in near future. It is represented by Physics, Chemistry, Mathematics, Humanities, Management and Economics, and Biology. The department is highly focussed on students' learning process theoretically and practically to make them fit in the sophisticated and challenging society.

The Department of General Science with Physics, Chemistry, Mathematics and English was established in the year of 2004 with an intention to provide pedestal knowledge to ease the acquisition of engineering revelation. The Basic Science knowledge is disseminated by highly qualified,

DEPARTMENT OF PHYSICS

Department of Physics was established in 2004 with the mission of imparting quality education in the field of Physics at UG level. The Department faculties are teaching Engineering Physics to the first year level of all branches of engineering courses to impart the knowledge and experimental skills to the student's community. Presently department has three faculty members & one technical Assistant.

DEPARTMENT OF CHEMISTRY

Department of Chemistry was established in the year 2004. The Department faculties are teaching Engineering Chemistry at the first year level of all branches of engineering courses to upgrade the knowledge and practical skill to the young buddy students. The curriculum is designed according to the requirements of all the branches of Engineering. The staff members of the department are actively involved to shape the students. Presently department has three faculty members.

DEPARTMENT OF MATHEMATICS

The Department of Mathematics was established in the year 2004. The department has highly qualified, experienced & committed teachers with reputation to their areas of specialization. Mathematics is taught in the first four semesters of Engineering Curriculum, which will be strong foundations for Engineers. Mathematics has been remarked always as a popular and essential subject even today in its own way. In

order to create interest in the student's community the department has been teaching Engineering Mathematics with applications.

DEPARTMENT OF ENGLISH

The department is fully enriched by highly qualified and experienced faculty members .The department helps the students to broaden their logical thinking as well as their social responsibilities. Soft Skills sessions are conducted from the beginning of the curriculum so that the students can become complete human beings bridging the gap between campus and company.

Apart from these main departments, there are other supporting departments like Management Science, Accountancy & Biology.

Salient features:

•   The General Science and Humanities Department of this esteemed institution combines faculties par brilliance with best laboratory set-ups to provide students with excellent and all round exposure in theoretical knowledge and practical training in the subjects like: • Engineering Physics • Engineering Chemistry • Environment and Ecology • Mathematics • English Language and Communication & Biology.

•   Inductive and Innovative teaching method.

•   Co-Curricular and Extra-Curricular activities throughout the semester.

•   The department boasts of an up to date English Communication to increase proficiency in English Language to cope up with the cut throat competition in the job market.

•   We equip students to imbibe best humane and professional values.

•   The department has all these years encouraged students of all disciplines and subjects not only in their academic pursuit but also in furthering their career prospects and giving impetus to their creative potentiality.

DEPARTMENT OF MCA

To cater the needs of students, Calcutta Institute of Technology has started Master of Computer Application (MCA) in the year **2006** with intake 60. Department is affiliated and approved by West Bengal University of Technology and AICTE, New Delhi.

MCA is a Post-Graduation program of three years course spanning over four semesters, last semester of which is exclusively reserved for project work. The course curriculum is comprehensive and aims to provide sound theoretical concepts coupled with hands on experience in the best solution frameworks. The course curriculum have been designed mainly to focus on the following thrust areas-system software, Data bases and Computer Networks in addition to various other allied fields and basic sciences. The Faculty of Computer Applications strives to meet the demand for well-qualified and competent computer professionals to fulfill the requirements of the industry. It offers three year full time Master of Computer Applications (MCA) and nurtures the capabilities of budding professionals for the development of high quality technical manpower to meet the challenges of the knowledge era. The focus of the department is on holistic learning and empowering students to enable them to make significant contributions at all levels.

Salient Features

- Full Fledged placement cell assisting personality development training and communication development classes.

- Regular industry interaction through our Alumni Cell.

- In house workshop on recent technologies

- Organize In house **Technical and Aptitude** test to prepare students for campus drive

- Career opportunity seminars.

- Regular counseling / monitoring for students.

- Round the clock state of the art computer lab with LAN networking with Internet and web-browsing facility. The Department has exclusive Intranet server, so that the students get all the details about the **unit test schedule**, **Model question papers**, **and Self evaluator system with more than 1000 questions**.

- All the Class rooms are furnished with WI-Fi internet connectivity, LCD projectors, and Visualized class room facility.

The department has good Computer Laboratories equipped with 3 servers and 60 nodes. All the computers are networked and protected from all known viruses and firewall to have complete data security. To ensure continues usability of computers to the students, all the computers have a power backup with uninterrupted power supply (UPS). Essential licensed software is provided to all systems to support the academic and University curriculum.

Name of laboratories available for use:

12. MCA Project Lab
13. MCA Workshop lab.
14. IBM Lab.
15. Language lab
16. Digital architecture lab
*17. Numerical lab*

LAB Utilize for

- C and Data Structures
- UML Lab
- Visual Programming & DBMS Lab
- Linux/Unix Lab
- Systems Programming Lab
- Micro Programming & Architecture Lab
- Advanced Programming Lab
- English& Soft Skill Lab
- Mathematics & Numerical Lab
- R & D Lab

We assist to avail different scholarships

➢ Swami Vivekananda Scholarship

(Family Income must be below 2.5 Lakh/Annum)

➢ SC & ST scholarship
(Applicable for SC,ST and OBC, family income must be below 2.5 Lakh/Annum)

➢ Scholarship for Pragati & Saksham Scheme

➢ Kanyashree

➢ Chief Minister Scholarship

➢ Jindal scholarship
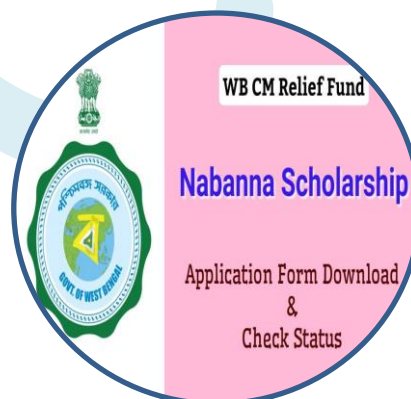
Sports and Fitness

Through **sports**, students are able to build a wide range of abilities and skills such as leadership, confidence, teamwork, patience, self-reliance, trust, and many more which facilitate the overall development of an individual. We are offering a wide range of sport activities and our students also participate inter college sport competition. Our annual sports event is the most popular and celebrated event for students.

We emphasise on **Yoga and meditation** for all students to boost the mental health and thinking ability and concentration. Dr. Sidhhartha Lahiri, a very proficient name in eastern region in power yoga and meditation, is guiding our students regularly in practicing yoga, free hand and meditation.

Cultural Connects

Cultural Refreshment is the best way to start keeps the students afresh in the academy. In our campus we arrange more than five cultural connect in a year like Chemiculture, Teacher's Day, Tech Fest, Vijaya Sammeloni and Foundation day celebration apart from many others.
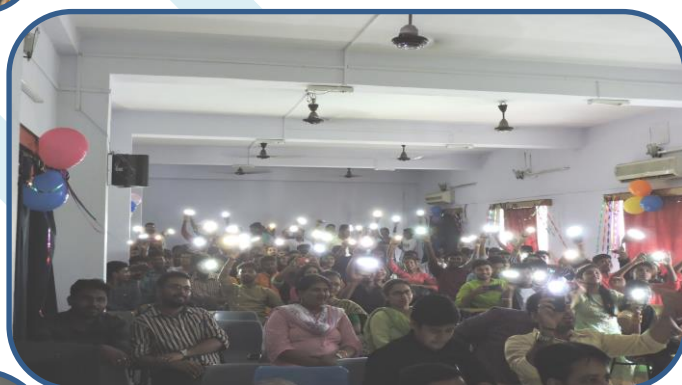
Our Recruiting partners at a glance

TCS	WALKOVER TECHNOLOGIES PRIVATE LIMITED
HITACHI	GAURI TECHNOLOGIES PRIVATE LIMITED
INDIAN NAVY	EQ TECHNOLOGIC (INDIA) PRIVATE LIMITED
MINDTREE	DATABEAT CONSULTING PRIVATE LIMITED
KREETI TECHNOLOGIES	RIKTAM TECHNOLOGY CONSULTING PRIVATE LIMITED
CTS	TRISYS IT SERVICES PRIVATE LIMITED
JBM	BENTLEY SYSTEMS INDIA PRIVATE LIMITED
WIPRO	RAKUTEN INDIA ENTERPRISE PRIVATE LIMITED
MAGNUS INTERNATIONAL	INFRASOFT TECHNOLOGIES LIMITED
LINDE GROUP(FORMER BOC)	OPEN-SILICON | A SIFIVE COMPANY
HIMADRI CHEMICALS	KEROSS RESEARCH AND DEVELOPMENT CENTER PRIVATE LIMITED
ASHASI GLASS	SANMINA CORPORATION
RDC CONCRETE	DEBSON PUMPS PRIVATE LIMITED
TAKATA INDIA (POOLED)	BLUE FLAME LABS PRIVATE LIMITED
SHIVSHAKTI GROUP	NIRMAL GROUP | NIRMAL WIRES PRIVATE LIMITED
MANAGEMENT & COMPUTER CONSULTANT	NOMURA RESEARCH INSTITUTE FINANCIAL TECH (NRI FINTECH)
ADANSA SOLUTION	AVIRUDDHA PRODUCTIVITY PRIVATE LIMITED
TECH MAHINDRA	SOFTWEB TECHNOLOGIES PRIVATE LIMITED
MAGNUS INTERNATIONAL	GRIND MASTER MACHINES PRIVATE LIMITED
AMAZON	H.G. INFRA ENGINEERING LIMITED (HGIEL)
MAINTEC,	SPOTRIX INDIA WEB SOLUTIONS PRIVATE LIMITED
AIRGAS PROJECTS	GRUPO ANTOLIN PUNE PRIVATE LIMITED
DM AROMATICS	MAQ INDIA PRIVATE LIMITED (MAQ SOFTWARE)
UNIMARK REMEDIES	WINDCARE INDIA PRIVATE LIMITED

Recruiting partners at a glance

BOC(LINDE),AMAZON	GEMINI SOLUTIONS PRIVATE LIMITED
CITY OIL	BENTLEY SYSTEMS PHASE-2
AB POLYPACK	AMARA RAJA GROUP
CHEMTEX PVT LTD	HEALTHIANS
HALDIA PETROCHEM	MANIKARAN POWER LIMITED
DM AROMATICS	THINK FUTURE TECHNOLOGIES
WIPRO TECH	NOVELVOX SOFTWARES INDIA
XPORTSOFT TECHNOLOGIES PVT LTD	NIHILENT LIMITED
XL DYNAMICS INDIA PVT. LTD.	NIELSENIQ INDIA
AMRIT CEMENT	SCHAEFFLER INDIA
SAFED DETERGENT	NEEBAL TECHNOLOGIES
INFRASOFT	WINDMÖLLER & HÖLSCHER INDIA (WHI)
IBM	QUALITYKIOSK TECHNOLOGIES
NIRMAL GROUP | NIRMAL WIRES PRIVATE LIMITED	ONWARD TECHNOLOGIES LIMITED
GRUPO ANTOLIN PUNE PRIVATE LIMITED	POORNAM INFO VISION
SOFTWEB TECHNOLOGIES PRIVATE LIMITED	ALANKIT GROUP
UNDERSCORE TECHNOLOGY	MAINTEC TECHNOLOGY
WINDCARE INDIA PRIVATE LIMITED	FIRST AMERICAN CORPORATION
MARK EXHAUST SYSTEMS	GLOBAL ADSORBENTS PVT. LTD.
EXICOM TELE-SYSTEMS LIMITED	