



# 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 an excellent learning environment, set in picturesquely lush green surroundings near Mumbai - Kolkata National Highway (NH-6) in the township of Uluberia, about 30 kms 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, entrepreneur 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:

### **Post Graduation**

**M.Tech in Chemical Engineering**

**Master of Computer Applications**

### **Under graduate (B.Tech-4 Years Duration)**

Mechanical Engineering	(ME)
Chemical Engineering	(CHE)
Computer Science & Engineering	(CSE)
Civil Engineering	(CE)
Electronics and Communication Engineering	(ECE)
Electrical Engineering	(EE)
Artificial intelligence and Machine Learning	(AI&ML)
Computer Science & Engineering (Data Science)	(DS)
Bachelor in computer application	(BCA)

### **Diploma Engineering (Diploma-3 Years Duration)**

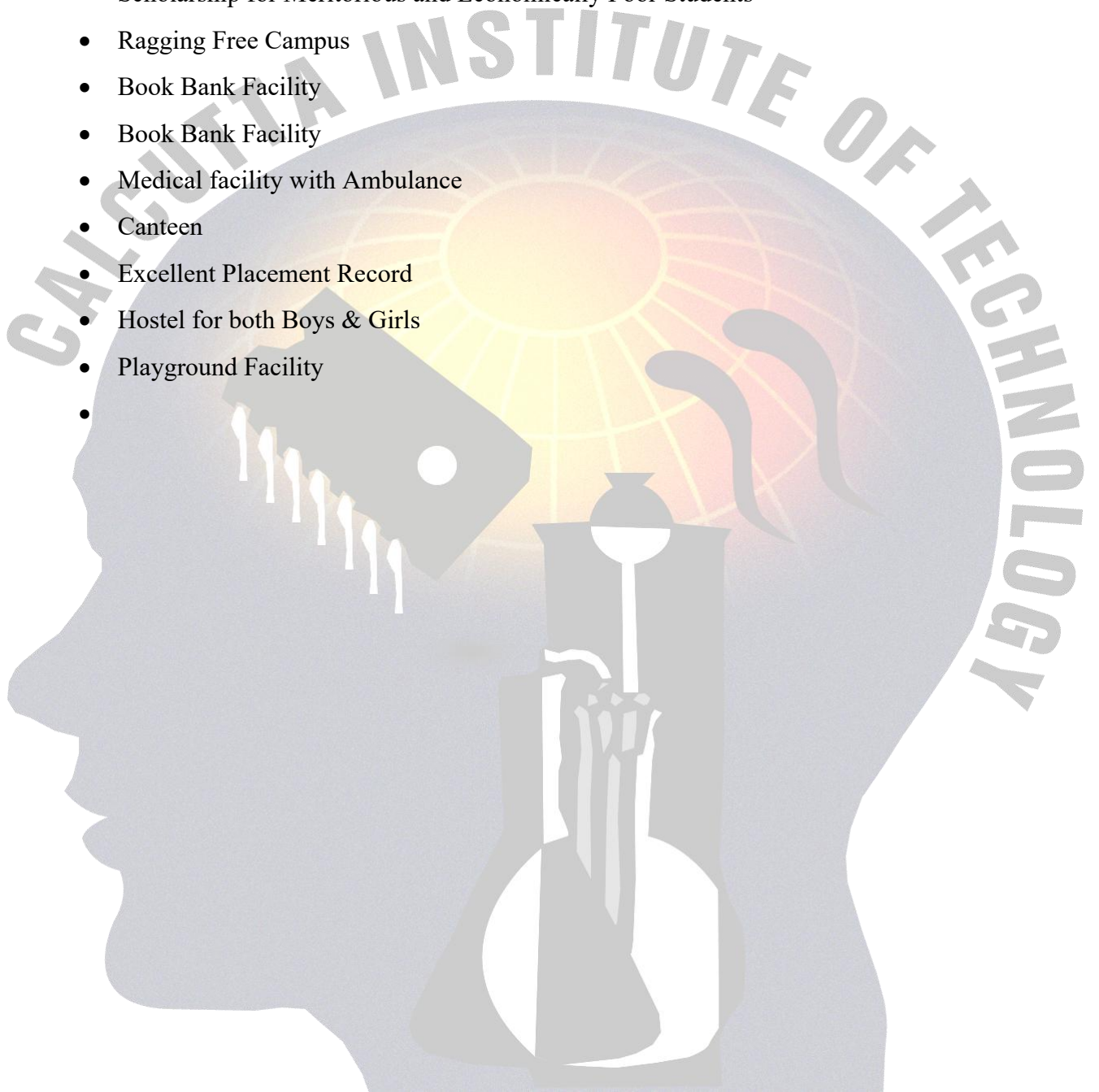
Electrical Engineering	(DEE)
Mechanical Engineering	(DME)
Civil Engineering	(DCE)
Electronics & Communication Engineering	(DECE)

### **Campus:**

Address of the Institution	BANITABLA, ULUBERIA, HOWRAH
City&PinCode	HOWRAH -711316
State/UT	WEST BENGAL
PhonenumberwithSTDcode	033-26610736
Admission Helpline	+91-7605054741
Email	principal.cit@urschard.in
Website	www.urschard.in

## The salient features of CIT

- WI-FI Campus
- Transport Facilities
- Scholarship for Meritorious and Economically Poor Students
- Ragging Free Campus
- Book Bank Facility
- Book Bank Facility
- Medical facility with Ambulance
- Canteen
- Excellent Placement Record
- Hostel for both Boys & Girls
- Playground Facility
- 







**BACHLOR OF COMPUTER APPLICATIONS (BCA)**

Semester	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	Grand Total
Admission Fees	5000								5000
Tuition Fees	36500	36500	36500	36500	36500	36500	36500	36500	2,92,000
Library Fees	4000								4000
Development Fees	1000	1000	1000	1000	1000	1000	1000	1000	8000
<b>Total</b>	<b>₹ 46500</b>	<b>₹ 37500</b>	<b>₹ 37500</b>	<b>₹ 37500</b>	<b>₹ 37500</b>	<b>₹ 37500</b>	<b>₹ 37500</b>	<b>₹ 37500</b>	<b>₹ 3,09,000</b>

**MASTER OF COMPUTER APPLICATIONS (MCA)**

Semester	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	Grand Total
Admission Fees	5000				5000
Tuition Fees	46500	46500	46500	46500	186000
Library Fees	4000				4000
Development Fees	1000	1000	1000	1000	4000
Student Welfare Fees	4000				4000
Caution Deposit	5000				5000
<b>Total</b>	<b>₹ 65500</b>	<b>₹ 47500</b>	<b>₹ 47500</b>	<b>₹ 47500</b>	<b>₹ 2,08,000</b>

**M.Tech in Chemical Engineering**

Semester	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	Grand Total
Admission Fees	5000				5000
Tuition Fees	46500	46500	46500	46500	186000
Library Fees	4000				4000
Development Fees	1000	1000	1000	1000	4000
Student Welfare Fees	4000				4000
Caution Deposit	5000				5000
<b>Total</b>	<b>₹ 65500</b>	<b>₹ 47500</b>	<b>₹ 47500</b>	<b>₹ 47500</b>	<b>₹ 2,08,000</b>

**DIPLOMA in EE/ECE/ME/CIVIL Engineering**

Semester	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	Grand Total
Admission Fees	5000						5000
Tuition Fees	22000	₹ 22,000	₹ 22,000	₹ 22,000	₹ 22,000	₹ 22,000	1,32,000
Library Fees	4000						4000
Student Welfare Fees	4000						4000
<b>Total</b>	<b>₹ 35,000</b>	<b>₹ 22,000</b>	<b>₹ 22,000</b>	<b>₹ 22,000</b>	<b>₹ 22,000</b>	<b>₹ 22,000</b>	<b>₹ 1,45,000/-</b>

**DIPLOMA in EE/ECE/ME/CIVIL Engineering (2years LATERAL Entry )**

Semester	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	Grand Total
Admission Fees			5000				5000
Tuition Fees			22000	₹ 22,000	₹ 22,000	₹ 22,000	88,000

Library Fees	NA	NA	4000				4000
Student Welfare Fees			4000				4000
<b>Total</b>	NA	NA	<b>₹ 35,000</b>	<b>₹ 22,000</b>	<b>₹ 22,000</b>	<b>₹ 22,000</b>	<b>₹ 1,01,000/-</b>

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

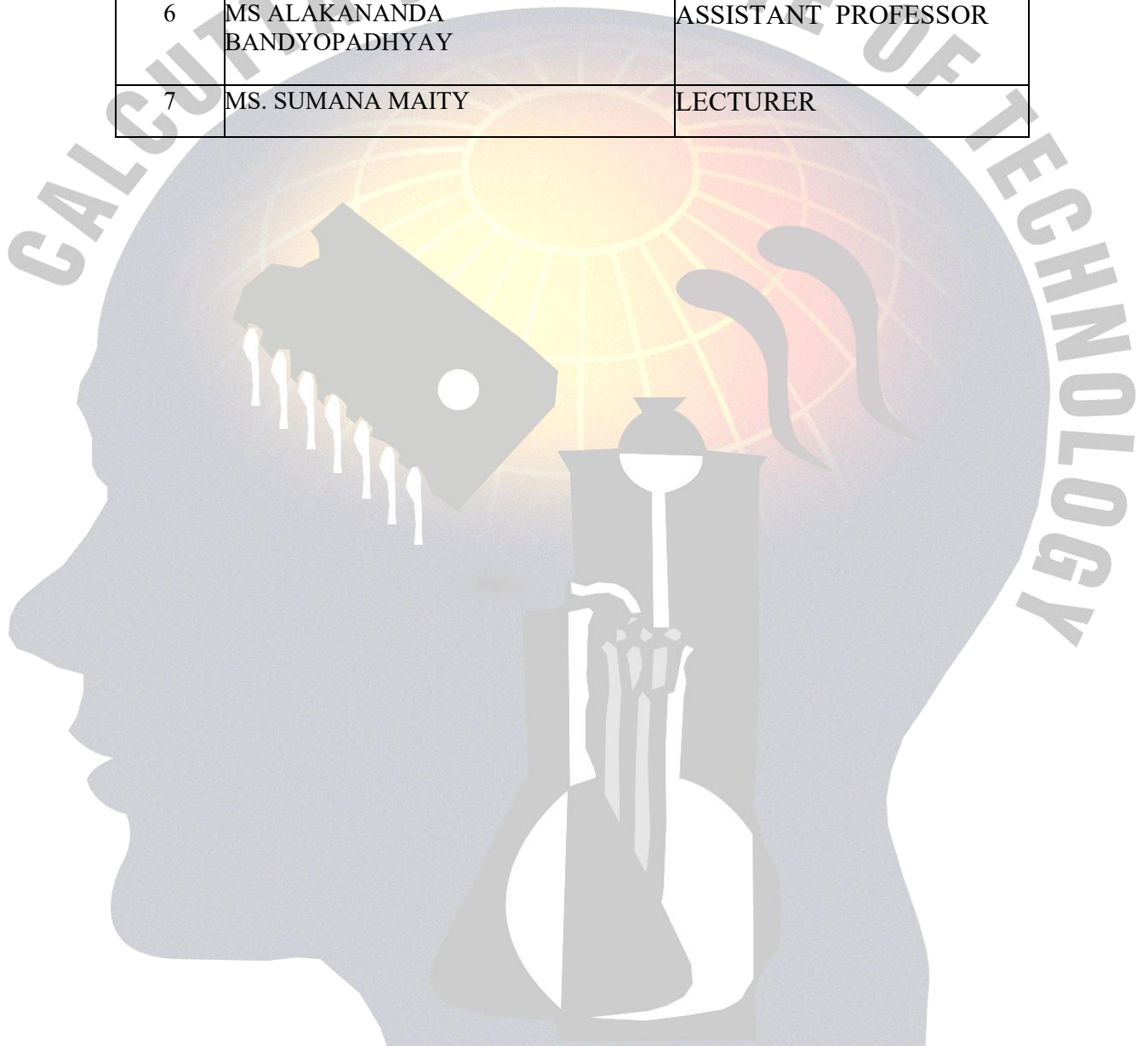
Sl. No.	NAME	DESIGNATION
1.	<b>DR PARTHA PRATIM BHATTACHARYA</b>	<b>PRINCIPAL</b>
<b>Department of Chemical Engineering</b>		
Sl. No.	Name of Faculty	Designation
1	DR . KRISHNENDU PRAMANIK	ASSOCIATE PROFESSOR
2	DR. HARISADHANSARKAR	PROFESSOR
3	DR. MONAL DUTTA	ASSISTANT PROFESSOR
4	MS. ZINNIA CHOWDHUY	ASSISTANT PROFESSOR
5	MS. DEBDUTTAMANDAL	ASSISTANT PROFESSOR
6	DR. ANINDITALAHA	ASSISTANT PROFESSOR
7	DR. RAJESHGHOSH	ASSISTANT PROFESSOR
8	DR.SWAPNENDUCHATTERJEE	ASSISTANT PROFESSOR
9	PNRL SUDHISNA	ASSISTANT PROFESSOR
<b>Department of Computer Science &amp; Engineering</b>		
1	Ms. SULEKHA KUNDU	ASSISTANT PROFESSOR
2	Mr. SUBHENDU SEKHAR PATRA	ASSISTANT PROFESSOR
3	Mr. ARIJIT CHATTARAJ	ASSISTANT PROFESSOR
4	Ms. MONIKARANI PATRA DALAI	ASSISTANT PROFESSOR
5	Mr. SUDIPTA KUNDU	ASSISTANT PROFESSOR
<b>Department of Data Science (CSE)</b>		
1	Mr. BHASKAR CHAKRABORTY	ASSISTANT PROFESSOR
2	Mr. DEBABARATA JANA	ASSISTANT PROFESSOR
<b>Department of AI &amp; ML</b>		

1	Mr. AZAHARUDDIN SAIKH	ASSISTANT PROFESSOR
2	Mr. DRSHIBAMOULI LAHIRI	ASSISTANT PROFESSOR
<b>Department of Computer Application</b>		
1	Mr. SUBRATA JANA	ASSISTANT PROFESSOR
2	Mr. JOYDEB SHEET	ASSISTANT PROFESSOR
3	Mr. ANIRBAN SINHA	ASSISTANT PROFESSOR
4	Mr. AVIK DEY	ASSISTANT PROFESSOR
5	Ms. SNEHA CHOWDHURY	ASSISTANT PROFESSOR
6	MR. KAUSTABH MAITY	ASSISTANT PROFESSOR

<b>Department of Electrical Engineering</b>		
Sl. No.	Name of Faculty	Designation
1	Mr. PRITOMADHIKARY	ASSISTANT PROFESSOR
2	Mr. PRAKASH KUMAR SINGH	ASSISTANT PROFESSOR
3	Mr. GANESH TIWARY	ASSISTANT PROFESSOR
4	Mr. AKMAMKHAN	ASSISTANT PROFESSOR
5	Mr. SHUBHODEEP DATTA	ASSISTANT PROFESSOR
6	Ms. SUJAN SIDDIQUEE	LECTURER
7	Ms. SUBHASREE CHATTERJEE	LECTURER
8	Mr. RAKESH DAS	LECTURER
9	Mr. NILOY ROY	LECTURER
<b>Department of Electronics &amp; Communication Engineering</b>		
1	DR. HIMADRI MANDAL	ASSOCIATE PROFESSOR
2	Mr. CHIRADEEP GHOSH	ASSISTANT PROFESSOR
3	Mr. ANUPAM DEY	ASSISTANT PROFESSOR
4	Dr. ATANU CHOWDHURY	ASSISTANT PROFESSOR
5	MR. SUVANKAR DEY	LECTURER
6	MS. MAHUA BASU	LECTURER

## Department of Civil Engineering

1	Mr. ANIBRATA CHATTERJEE	ASSISTANT PROFESSOR
2	Mr. PROSENJITDAS	ASSISTANT PROFESSOR
3	DR. SANTANU BARMAN	ASSISTANT PROFESSOR
4	DR. ALINDA DEY	ASSISTANT PROFESSOR
5	Ms. LABANI MAITY	ASSISTANT PROFESSOR
6	MS ALAKANANDA BANDYOPADHYAY	ASSISTANT PROFESSOR
7	MS. SUMANA MAITY	LECTURER



<b>Department of Mechanical Engineering</b>		
<b>Sl. No.</b>	<b>Name of Faculty</b>	<b>Designation</b>
1	DR.PARTHA SARATHI GHOSH	ASSISTANT PROFESSOR
2	DR. NITAI CHANDRA ADAK	ASSISTANT PROFESSOR
3	MR. UJJAL SAHU	ASSISTANT PROFESSOR
4	Mr. DIPANJAN PAUL	ASSISTANT PROFESSOR
5	Mr. AMIT RATAN BISWAS	ASSISTANT PROFESSOR
6	Mr. ARIJIT KUMAR BOSE	ASSISTANT PROFESSOR
7	Mr. SURAJIT GHOROI	LECTURER
<b>Department of General Science &amp; Humanities</b>		
1	DR. SAURABH ACHARYYA	Associate .Professor
2	DR. TAPAS KUMAR GHOSH	ASSISTANT PROFESSOR
3	Mr. SANTANU BHATTACHARJEE	ASSISTANT PROFESSOR
4	Ms. SOUMITA GHOSH	ASSISTANT PROFESSOR
5	DR. CHINMOY MAJUMDER	ASSISTANT PROFESSOR
6	DR. PALASH SAHOO	ASSISTANT PROFESSOR
7	DR. SNEHASISH BOSE	ASSISTANT PROFESSOR
8	MS. KUHELI BHOWMICK	ASSISTANT PROFESSOR
9	MR. SOUBHIK BURAI	ASSISTANT PROFESSOR
10	MS. PARAMITA CHAKRABORTY RAY	ASSISTANT PROFESSOR
11	MR. PINTU DAS	ASSISTANT PROFESSOR
12	MR DEBAJYOTI CHATTERJEE	ASSISTANT PROFESSOR



- **Hostel facilities available under the supervision of trained warden (Separate wardens for Girls and Boys)**
- **Boys Hostel: Location- Near College Campus, Banitabla, Uluberia, Howrah.**
- **Girls Hostel: Location-BazarPara, Uluberia, Howrah.**



### **HOSTEL FEES**

Rs.- 41000/year

Charges Including all modern facilities (Wi fi, Individual study Desk, Separate washroom, 24 hours ambulance and Doctor Facilities, Separate house keeping and cooking Staff).  
Food charges extra per month wise.



## Central Transport Facilities





➤ **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 report in go fanyincident.

### ANTI RAGGING COMMITTEE MEMBERS:

Sl. No.	Name	DESIGNATION	CONTACT NO.
1	Prof. (Dr.) Partha Pratim Bhattacharya (Principal)	Chairman	8335069575
2	Dr. Himadri Mandal, Associate Professor, ECE	Vice-Chairman	9002588886
3	Representative of SDO, Uluberia, Mr. Manas Kumar Mondal	Member	9830693168
4	Mr. Sanjay Kumar Dey, OC, Uluberia	Member	9874940888
5	Mr. Monotosh Basu, Administrative Officer	Member	7605097351
6	Mrs. Sulekha Kundu, TIC, CSE	Member	9332197009
7	Dr. Sumit Banerjee, TIC, ME	Member	9955804025
8	Dr. Rajesh Ghosh, HOD, CHE	Member	9874848179
9	Mr. Partha Sarathi Ghosh, Diploma Co-ordinator	Member	9804144942
10	Dr. Santanu Barman, TIC, CE	Member	9800482222
11	Mr. Pntom Adhikary, TIC, EE	Member	9831608843
12	Mr. Subrata Jana, TIC, MCA	Member	9732532299
13	Mr. Chiradeep Ghosh, TIC, ECE	Member	8902269538
14	Mr. Santanu Bhattacharjee, SPOC, MAKAUT	Member	8335069548
15	Soubhik Burai, TIC, Gen Sc.	Convener	9007830781
16	Mr. Dinesh Chandra Mondal, Local Media Person	Member	9831124232
17	Representative of NGO, Mr. Anup Das Child Secretary, Navodaya San a	Member	9830625562
18	Two representative of guardians Mr. Arjun Bar Mr. Arjee Sambhu Madraji	Member	7679201092 9733910813
19	Mr. Akash Bhattacharya, Student of CSE Dept.	Member	8509016770
20	Ms. Taniya Mondal, Student of fCSE Dept.	Member	7477688757
21	Mr. Somnath Ba Student of MCA Dept.	Member	8670328304
22	Ms. Sreya Bag, Student of EE Dept.	Member	7980959281

*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 old estd departments in this institute established in the year of 2004. Presently the department consists total seven numbers of faculty members and most of the are graduated from various prestigious 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.

- Chemistry-2Lab
- Energy Laboratory
- FLUIDMECHANICSLABORATORY
- Instrumental method of analysis Laboratory
- Writing & Language Lab Practice
- Data Structure and DBMS Laboratory
- Heat Transfer Laboratory
- Mechanical Operations Laboratory
- Mass Transfer Laboratory
- Reaction Engineering Laboratory
- Chemical Engineering Electrical Machine Laboratory
- Chemical Engineering Practical Process Equipment Design and Drawing-II Laboratory
- Feasibility Analysis
- Machine Design Laboratory
- Environmental Engineering Laboratory
- Processes Instrumentation and Control Laboratory
- Chemical Engineering Biotechnology Laboratory
- Numerical Computations Laboratory Numerical Methods



## Some glimpses of the 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 design edmainly 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, air port 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 be come in dustyready. We provides of t-skill training to students for their overall development.

### Salient Features

- Fully 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 works as per technologies
- Organize In house **Technical and Aptitude** test to prepare students for campus drives 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 classroom facility.



## LabFacilities

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:

- Survey Lab
- Concrete lab.
- Geotechnical Lab.
- Language lab
- Geology lab
- Numerical lab
- Transportation lab
- Environment lab
- Solid mechanics lab
- AutoCAD lab
- Drawing lab



### LAB Utilizefor

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

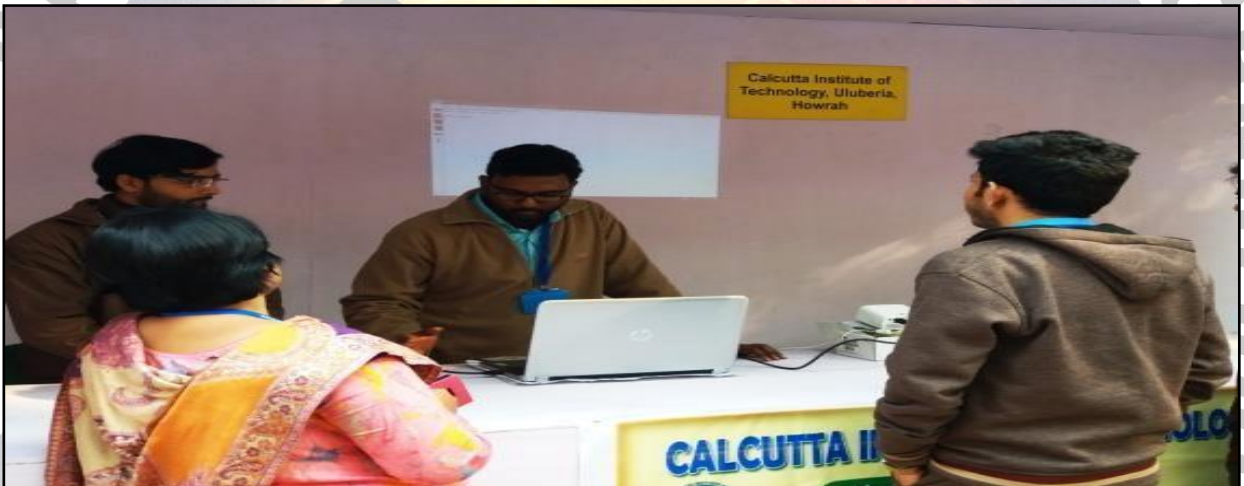
### Lab facilities

- 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
- NUMERICALMETHODS Lab
- Technical Report Writing & Language Lab Practice Lab Computer organization Lab
- Data Structure & Algorithm Lab
- Analog & Digital Electronics Lab Programming for Problem Solving Lab

### Some glimpses of Department





## 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 multi disciplinary teams with effective communication and team work 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.



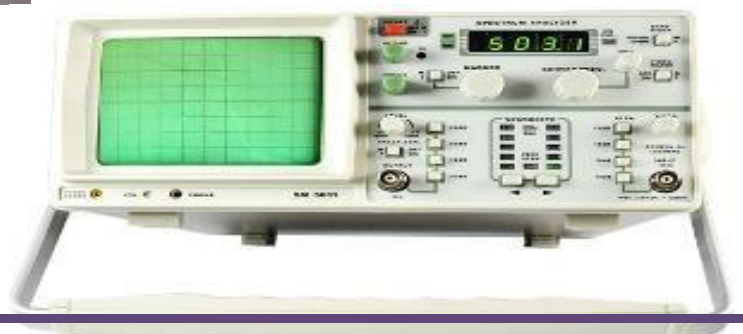
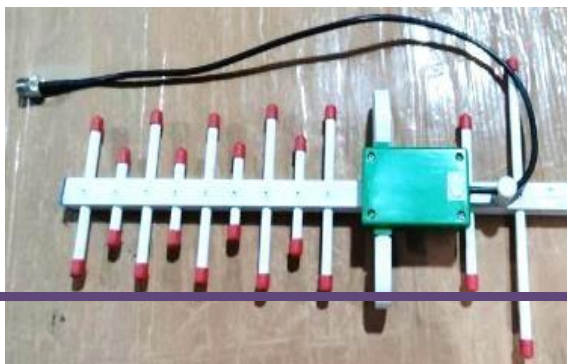
## Strengths of the Department:

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, 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**

- To provide the highest level of education in technology and to produce competent, creative and imaginative engineers.
  - To promote a spirit of free and objective enquiry in different fields of knowledge.
  - To make a significant contribution towards the development of skilled technical manpower.
  - To create an intellectual reservoir to meet the growing demands of the nation.
- 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.



## Labfacility

Applied Mechanics Lab

Workshop

Thermal Lab Drawing Lab

Fluid Lab

Numerical Analysis Auto CAD Design Lab

Mechanical Design Lab

Metrology Lab

GUPTA INSTITUTE OF  
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 number 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:**

- Electrical Workshop
- Analog & Digital Electronic circuit Laboratory
- Technical report writing & language laboratory
- 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
- Power Electronics, Laboratory
- Power System-II, Laboratory
- Software Engineering, Embedded Systems
- Control System-II, Laboratory
- 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





## 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 focused 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 through out the semester.

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

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 COMPUTER APPLICATION

## About the Department

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 has 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 two year full time Master of Computer Applications (MCA) and four years full time Bachelor of Computer Application 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

- Fully 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 classroom 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 continuous 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:**

*MCA Project Lab*

*MCA Workshop lab.*

*IBM Lab.*

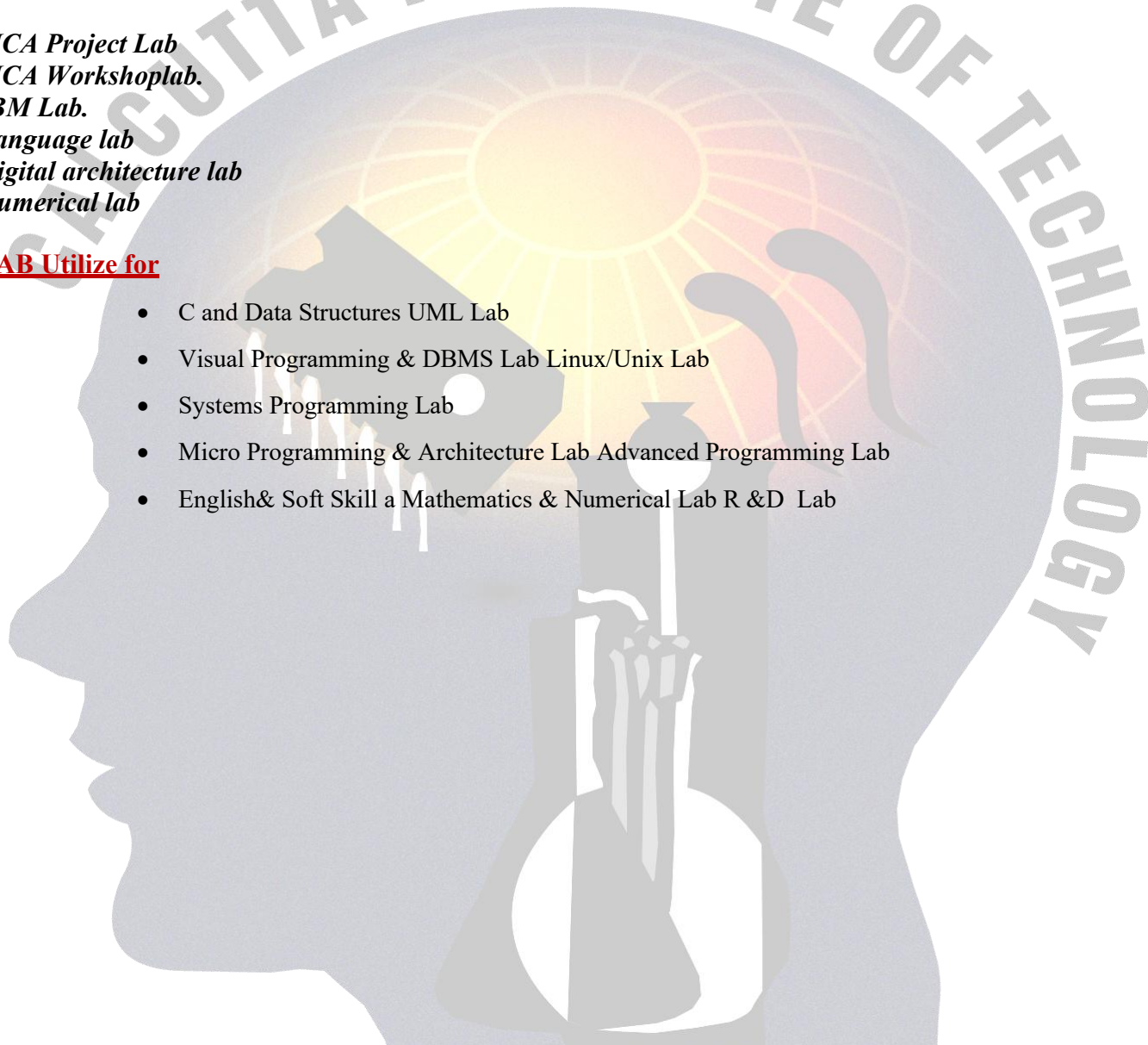
*Language lab*

*Digital architecture lab*

*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 a 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



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All India Council for Technical Education

Pragati & Saksham Scholarship

AICTE

FACILITATING  
PROMOTE DE



WB CM Relief Fund

Nabanna Scholarship

Application Form Download  
&  
Check Status

Scholarships  
for  
SC/ST Students



## 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 wider 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.





TECHNOLOGY



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





## Cultural Connects

Cultural Refreshment is the best way to start keeps the students afresh in the academy. In our campus we arrange cultural connect in every year like Techexpo, Techstacy Chemiculture, Teacher's Day, Tech Fest, Vijaya Sammeloni and Foundation day





## 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	TRISYSIT SERVICES PRIVATE LIMITED
JBM	BENTLEY SYSTEMS INDIA PRIVATE LIMITED
WIPRO	RAKUTEN INDIA ENTERPRISE PRIVATE LIMITED
MAGNUS INTERNATIONAL	INFRA SOFT TECHNOLOGIES LIMITED
LINDE GROUP (FOR MERBOC)	OPEN-SILICON ASIFIVE COMPANY
HIMADRI CHEMICALS	KERROSS RESEARCH AND DEVELOPMENT CENTER PRIVATE LIMITED
ASHASI GLASS	SANMINA CORPORATION
RDC CONCRETE	DEBSON PUMPS PRIVATE LIMITED
TAKATA INDIA (POOLED)	BLUE FLAME LABS PRIVATE LIMITED
SHIV SHAKTI GROUP	NIRMAL GROUP   NIRMAL WIRES PRIVATE LIMITED
MANAGEMENT & COMPUTER CONSULTANTS	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

DMAROMATICS	MAQ INDIA PRIVATE LIMITED (MAQSOFTWARE)
UNIMARK REMEDIES	WINDCARE INDIA PRIVATE LIMITED





## Recruiting partners at a glance

BOC (LINDE), AMAZON	GEMINI SOLUTIONS PRIVATE LIMITED
CITYOIL	BENTLEY SYSTEMS PHASE-2
AB POLYPACK	AMARA RAJA GROUP
CHEMTEX PVT LTD	HEALTHIANS
HALDIA PETRO CHEM	MANIKARAN POWER LIMITED
DM AROMATICS	THINKFUTURE TECHNOLOGIES
WIPROTECH	NOVELVOX SOFTWARES INDIA
XPORTSOFT TECHNOLOGIESPVTLTD	NIHILENT LIMITED
XL DYNAMICS INDIA PVT. LTD.	NIELSENIQ INDIA
AMRITCEMENT	SCHAEFFLER INDIA
SAFEDDETERGENT	NEEBAL TECHNOLOGIES
INFRA SOFT	WIND MÖLLER & HÖLSCHERINDIA (WHI)
IBM	QUALITY KIOSK TECHNOLOGIES
NIRMAL GROUP   NIRMAL WIRES PRIVATELIMITED	ONWARD TECHNOLOGIESLIMITED
GRUPOANTOL IN PUNE PRIVATE LIMITED	POORNAMINFOVISION
SOFTWEB TECHNOLOGIES PRIVATELIMITED	ALANKIT GROUP
UNDERSCORETECHNOLOGY	MAINTEC TECHNOLOGY
WINDCARE INDIAPRIVATELIMITED	
MARK EXHAUST SYSTEMS	GLOBAL ADSORBENTSPVT.LTD.
EXICOM TELE-SYSTEMS LIMITED	KIRLOSKAR

