



2022-23



**TECHNO INDIA
SILIGURI INSTITUTE
OF TECHNOLOGY**
A Satyam Roychowdhury Initiative

ANNUAL REPORT

Siliguri Institute of Technology



<https://sittechno.org/sit119.php>



MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL



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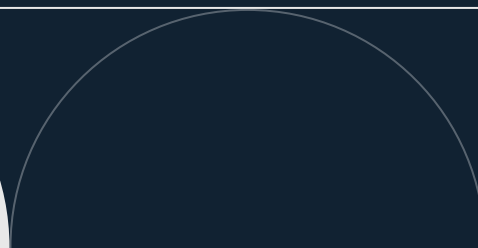


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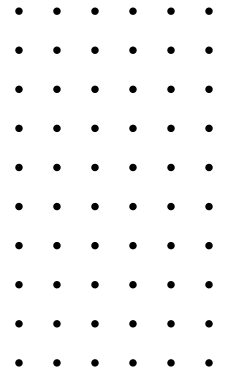
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VISION & MISSION



Vision

To be a recognised institution offering high quality education, opportunities to students to become globally employable Engineers/Professionals in best ranked industries and research organisation.

Mission

To impart quality technical education for holistic development of students who will fulfill the needs of the industry/society and be actively engaged in making a successful career in industry/research/higher education in India & abroad

The Experience.

Established in the year 1985, Techno India Group (TIG) aims to serve the exclusive purpose of delivering quality education in science and engineering in the state of West Bengal, India. Techno India presently stands as one of the most recognized leaders among private education groups in India by virtue of its academic excellence and vast multitude of course offerings.

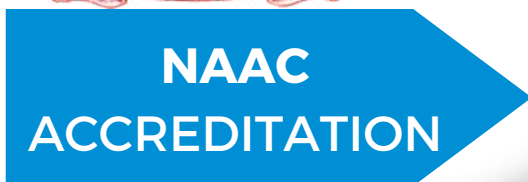
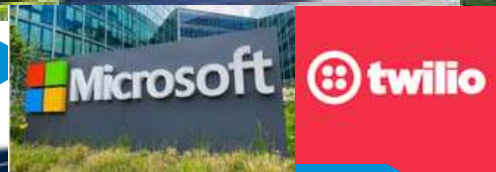
Techno India Group is one of the largest and most acclaimed knowledge management groups in Asia. A collaborator with world's leading IT giant Hewlett Packard (HP), Techno India Group encompasses 100 knowledge campuses with 4 university campuses, 22 Engineering colleges, 12 Business schools, 18 Public schools, 2 upcoming medical colleges and 4 health care units.

Techno India Group has strengthened its original emphasis on science and engineering and expanded to management, medicine and other key areas like Information and Communication Technology, Nanotechnology, Genetics, Biotechnology, Food Technology, Construction Technology, Architecture, Biomedical Technology, Paramedical Sciences, Management Sciences, Sports Technology and Media Science. In an effort to build a solid foundation for the state education system, Techno India has also endeavored to enter into the arena of primary and secondary education by establishing numerous model schools.

Techno India Group has been successful in creating a positive learning experience by investing in remarkable infrastructural facilities, state of the art technologies in its engineering, science and computer labs, highly endowed library facilities and campus wide Wi-Fi enabled communication links. Our successes speak volume about our dedication to quality education. Despite its phenomenal growth, Techno India still remains a dedicated family of 2500 professionals including doctors, engineers, scientists, chartered accountants, lawyers, and management professionals dedicated to the same cause that inspired us in our inception.

Techno India Group aims to create a better India by efficiently preparing the youth to cater to the technological advancements of the century. The innovative courses at the organization have set the students apart from the rest, thus making TIG one of a kind. The latest feather added to its cap is the establishment of Techno India University, West Bengal at Salt Lake.

Milestone



Message From Managing Director.

Techno India group is a dynamic organization whose primary focus is education. As a group, we sincerely believe that India's comparative advantage in the global economy lies in education. India's assimilation with the globalization process has challenged TIG to offer programmes that are in tune with the changing needs of the day. We have tried to meet that challenge with sustained efforts in strengthening our academic curriculum and course offerings, at the same time maintaining our core mission and values. We are an organization that has invested enormously in creating human resources capable of dealing with the challenges of the twenty first century. A close inspection of our programmes in Bachelor's, Master's, and Doctorate degrees in different areas of engineering and management and health professions will reflect this truth.

Our corporate focus is squarely built on the strength we have in the academic sector. All our core initiatives in the nonacademic corporate sectors have been designed either to complement our academic programmes where students can find internship, practical training, and job placements after graduation or in areas that allow us to get vertically integrated with our strength in education. Our corporate focus has been and will be to provide technology solutions to business, government, or nongovernmental non-profit organizations.

All of TIG's initiatives have one thing in common, i.e. the unflinching commitment to quality is universal and will remain our overarching strength. We will continue to evolve with the needs of the time, and we will learn and adapt as we go along. Given our resources and our commitment we strive for a perfect today and a better tomorrow. Please join us to be the best in everything we strive for.

Best Wishes

SATYAM ROY CHOWDHURY

Techno India Group



Satyam
Roychowdhury

Managing
Director, Techno
India Group

Message From Principal.

“If there is no Sun, a million of lamps can’t take away all the darkness” – The Pursuit of Truth

To review the latest required skilling competency and domain specific knowledge, thereby determining strategy and implementing the same for the holistic and sustained development of the students’ is set as the long-term goal. With pleasure I welcome you all in the lush green campus of the Siliguri Institute of Technology, a unit of Techno India group, a Satyam Roychowdhury initiative. This is one of the best campuses in the north-eastern India from the aspect of scenic beauty, surrounded by tea gardens. The institute is accredited by NAAC, affiliated to MAKAUT, WBSCT & VE & SD and approved by AICTE.

The institute has set its vision “To be a recognised institution offering high quality education, opportunities to students to become globally employable Engineers/Professionals in best ranked industries and research organisation” to serve society and the nation at large. Since inception over more than two decades the institute has impacted the society and the people with its state-of-the-art infrastructure, learned and experience human resources with a commitment for preparing future professionals.

We impart quality education by training the student’s thought process in the direction of learning new knowledge, upskilling with the industry needs so that they can meet the challenges of the society as well as of the industry. To ensure quality education we rely on outcome-based education by mapping course outcome with the Program Outcome/ Program Specific outcome and the student’s leaning Level followed by assessment and evaluation. The diversity of programs enables us to have multidisciplinary approach in the campus. The Academic environment is equipped with active teaching learning with assessment of outcome, mentor mentee system to support the students in all aspects of their academics, extra-curricular. The research and development cell of the institute ensures new findings and knowledge of human resources to enrich the teaching learning with deliverables. Motivation of determining the areas of improvement in the aspect of teaching learning, skill enhancement is obtained from renowned industry experts as well as academicians from time to time.

Special emphasis is given on creation and maintaining alumni relations. The institute has its strong alumni network extending from industry to academia for sustained growth.

The institute is in a continuous process to collaborate with multiple domain specific industry and academia to support set up of laboratory, centre of excellence and exchange program.

With all the Best Wishes,



**Prof. Dr.
Mithun Chakraborty
Principal**

Members Of The Board Of Governors.

Prof. S.M. Chatterjee, Eminent Educationist	Chairman
Mr. G. Roy Chowdhury or his nominee Mr. Pradyut Biswas	Trust's Chairman
Mrs. M. Roychowdhury or her nominee	Member
Mr. S. Roychowdhury or his nominee	Member
Mr. T. K. Ghosh or his nominee	Member
D.T.E or his Nominee	Member (Ex-Officio)
Nominee of AICTE	Member
Nominee of MAKAUT	Member
Mr. Milan Sarkar	Member
Dr. A. Ray	Member
Mr. Arun Ghosh	Member
Mr. Bhaskar Roy	Member
Mr. J. Guha	Member
Dr. Banani Adhikari (Das)	Member
Dr. Mithun Chakraborty	Member-Secretary

About the Institute

Siliguri Institute of Technology



Year of establishment:	1999
Name of the Head of the Institution:	Dr. Mithun Chakraborty
Designation:	Principal
e-mail	principal@sittechno.org
Address of the College:	Hill Cart Road, Po. Sukna, Siliguri, Dist Darjeeling, West Bengal, Pin - 734009
Website:	http://sittechno.org/sit119.php
Nature of the College:	Private, Self-Financing
Statutory Regulatory Authority (SRA) :	AICTE For Details http://sittechno.org/approval-and-affiliation.html
Affiliating University:	Maulana Abul Kalam Azad University Of Technology For Details http://sittechno.org/approval-and-affiliation.html
Institution Recognition:	Recognized under section 2(f) of the UGC Act F. No. 8-246/2016 (CPP-1/C) Dated 29.11.2016

Programme Details



Program

Department

Affiliation Status

Btech

CSE
CSE(AI&ML)
IT
ECE
EE
CE

YES

MBA

Business Administration

YES.

COLLEGE PROFILE

Established in 1999, Siliguri Institute of Technology (SIT) is the largest private educational institution running under the vision of Techno India Group and is only one of its kinds in North Bengal, West Bengal, India. About 5 km away from Siliguri city, the Institute has a sprawling and picturesque campus surrounded by opulent lush green tea gardens, dense forests of Sukna with a backdrop of Sub-Himalayan ranges making it a premier abode of learning. The institute runs B.Tech Programs (CSE, IT, ECE, EE, CE) and Postgraduate Courses in Management (MBA).

Nearest Airport : Bagdogra (IXB) Airport, 18 Kms from SIT

Nearest Railway Station :
New Jalpaiguri (NJP) 12 Kms from SIT

Nearest Bus Terminus :
Tenzing Norgay Central Bus Terminus: 6 Kms from SIT



Approvals & Affiliations



NAAC ACCREDITED



AICTE APPROVED

New Delhi

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL



**AFFILIATED TO MAULANA ABUL KALAM
AZAD UNIVERSITY OF TECHNOLOGY,
WEST BENGAL (FORMERLY WBUT)**



**APPROVED BY DEPARTMENT OF
HIGHER EDUCATION, GOVT. OF WEST
BENGAL.**

Medium of Instruction

The medium of instruction and examination is in English.

College Timings

Monday to Friday from 10 am to 5.30 pm.

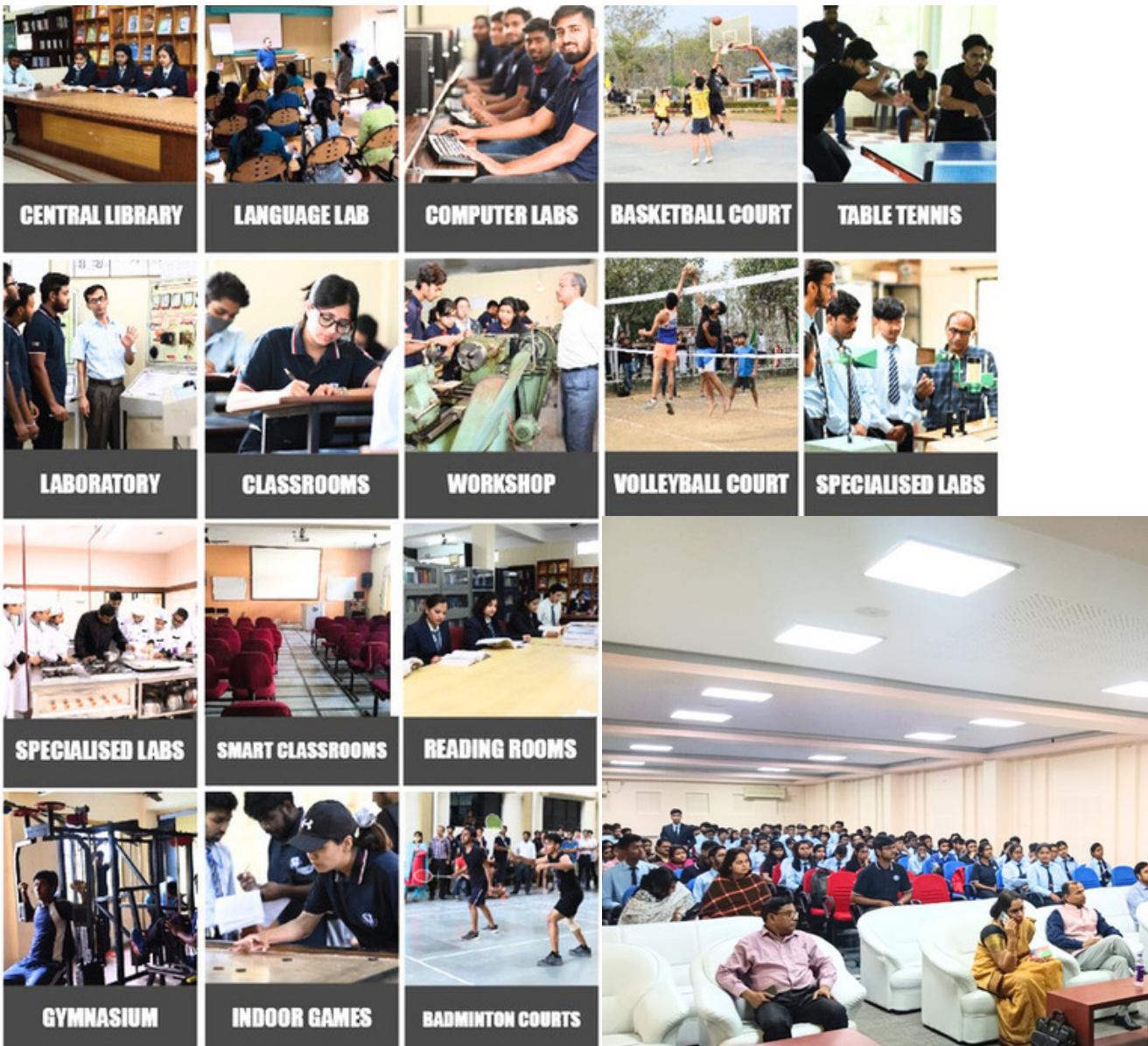
Features

- The Institute has a sprawling campus surrounded by lush greenery.
- State-of-the-art Laboratories
- Qualified and Experienced Faculty
- Scholarships by Government & Institute
- Multipurpose Air-conditioned Auditorium
- Zero tolerance to Ragging & Sexual Harassment
- Wi-fi enabled Campus for free internet access
- Book Bank Facility
- Separate Hostels Boy's & Girl's
- Beyond Curriculum Technical Training programs
- Campus readiness program
- MSME Business Incubator – Centre of Innovation, GOI
- SWAYAM NPTEL Local Chapter
- NMEICT Nodal Centre
- IIRS Nodal Centre
- Industry (TCS) Supported labs –TCS iON Laboratories
- MoU with Arad University of Romania for Faculty and Student exchange programme
- MoU with NHA, GOI for Internship

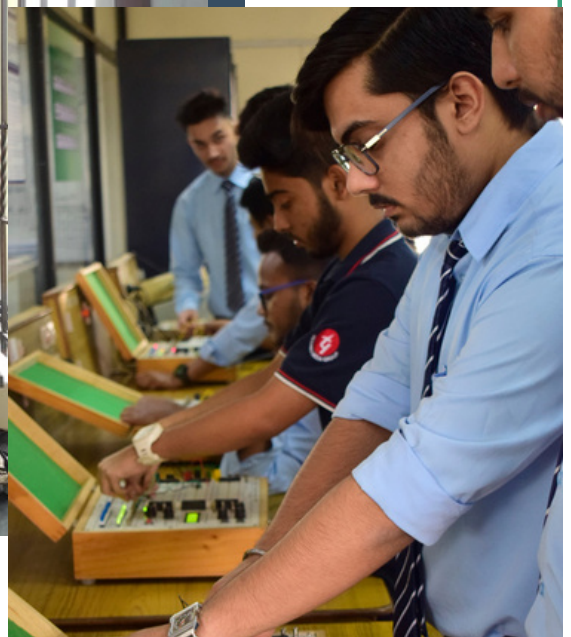
Facilities

The Institute has a sprawling and picturesque campus located on 10.43 acres of land with 15,468.sq. m. build-up area. The institution ensures adequate availability and optimal utilization of physical infrastructure to create a good learning environment. The college has following facilities.

The institute has the adequate facilities as per the requirement of the statutory bodies.



LABS



FACILITIES



- **National Service Scheme.**
- **Institute Innovation Council.**
- **Strong Feedback System.**
- **Student Counsellor for solving Student Challenges.**
- **Assistance for Bank Loan.**
- **Student Club Activity for skill development.**
- **Institute Mandatory Skill development for students.**
- **Scholarship for students.**
- **Alumni Engagement Program.**

STATUTORY COMMITTEES

1. Student Welfare Committee
2. SC/ST Committee
3. OBC Cell
4. Minority Cell
5. Women Grievance Redressal Committee

WORKING COMMITTEES

- IQAC
- IIC
- R & D Cell
- Entrepreneurship Cell.

- Anti-Ragging Committee
- Anti Ragging Squad
- Alumni Committee
- MOOCs Committee
- Finance Committee
- Purchase Committee
- Training & Placement Committee
- Hostel Monitoring Committee
- OBC Cell
- Minority Cell
- Examination Committee
- Training and Placement Committee
- Cultural Committee
- Tech-fest Committee
- Games and Sports Committee
- Library Advisory Committee
- NSS Committee
- NAAC Committee
- Admission Committee
- Disciplinary Committee

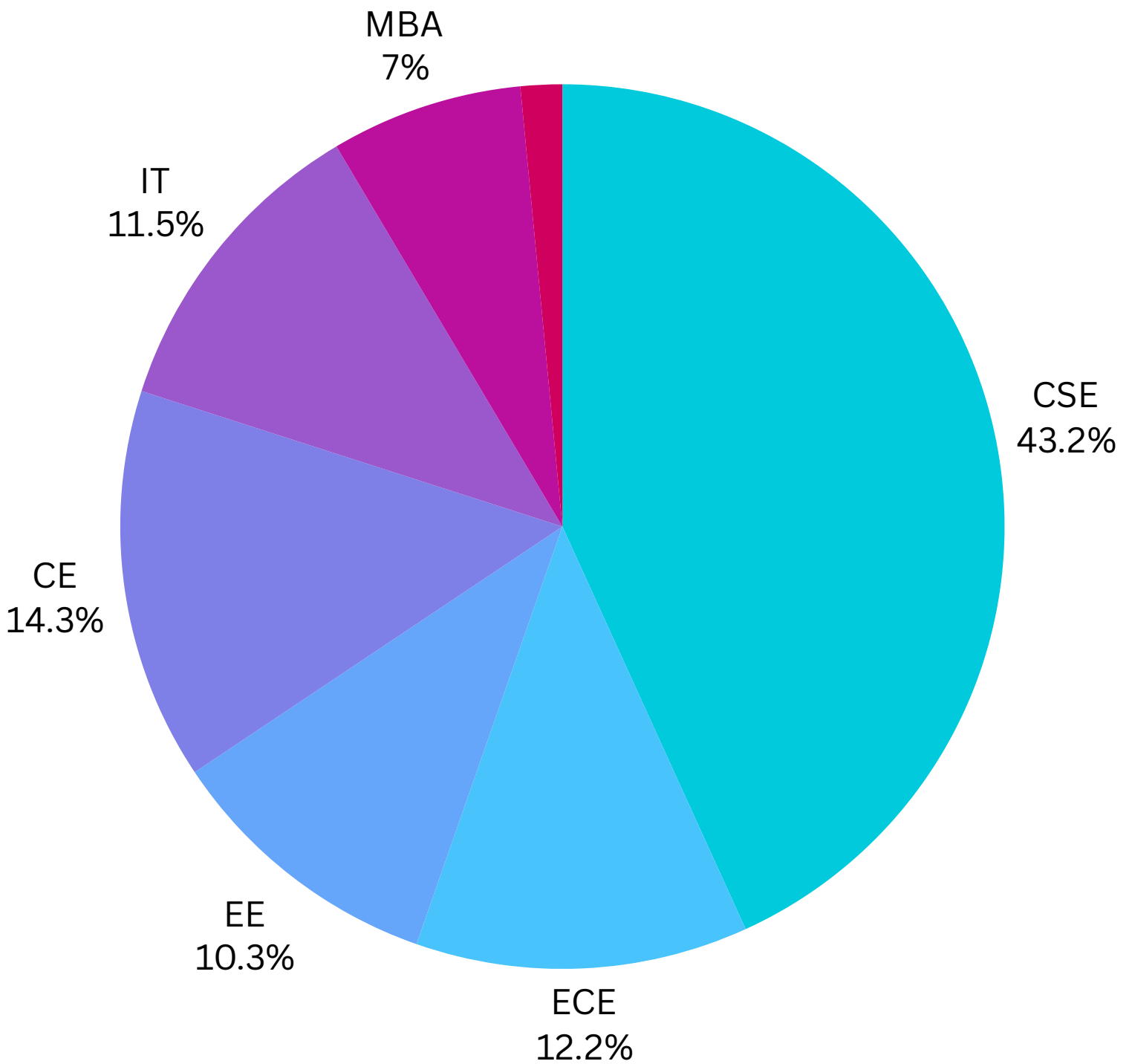
Student Details

Student Enrollment **2022-23**

YEAR	BTECH	MBA
FIRST	370	49
SECOND	336	48
THIRD	263	NA
FOURTH	321	NA

Total students for the Academic Year 2022 -23 is **1387**

Student Details



Students' Academic Success Report

Pass Percentage

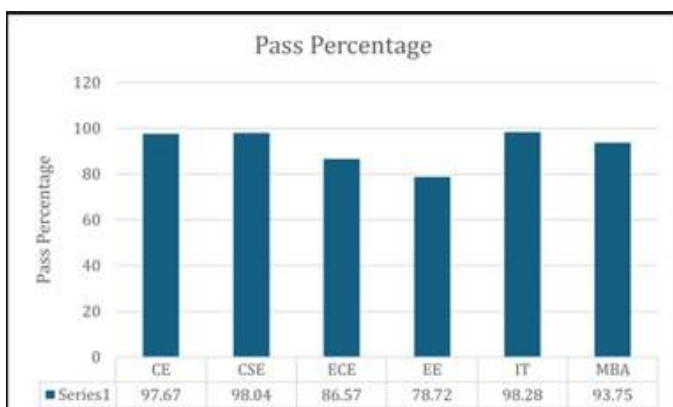
Academic Year: 2022-23

Consolidate Table: Under Graduate (UG)

Branch	Program Name	Program Code	Number of Students appear in the Final Exam	Number of Students passed in the Final Exam	Pass Percentage (%)
CE	CIVIL ENGINEERING	13	43	42	97.67%
CSE	COMPUTER SCIENCE & ENGINEERING	1	102	100	97.67%
ECE	ELECTRONICS & COMMUNICATION ENGINEERING	3	67	58	98.04%
EE	ELECTRICAL ENGINEERING	16	47	37	78.72%
IT	INFORMATION TECHNOLOGY	2	58	57	98.28%

Consolidate Table: Post Graduate (PG)

Branch	Program Name	Program Code	Number of Students appear in the Final Exam	Number of Students passed in the Final Exam	Pass Percentage (%)
MBA	MASTER OF BUSINESS ADMINISTRATION	9	48	45	93.75%



Branch wise Pass Percentage (2022-23)

Faculty Details

SN	Department	Number of Full Time Teachers
1	CE	6
2	CSE	13
3	ECE	10
4	EE	7
5	IT	5
6	DESH	13
7	MBA	4
	TOTAL	58

Faculty List: (AY: 2022-23)

SN	Name of the Full-time Teacher	Designation	Year of Joining	Name of the Department
1	MR. RAJEN KOLEY	ASSISTANT PROFESSOR	2012	CIVIL ENGINEERING
2	MR. MAHADEB DAS	ASSISTANT PROFESSOR	2012	CIVIL ENGINEERING
3	MR. RUPAM DATTA	ASSISTANT PROFESSOR	2020	CIVIL ENGINEERING
4	MR. PRITAM SINHA	ASSISTANT PROFESSOR	2022	CIVIL ENGINEERING
5	MS. SAMIMA YASMIN	ASSISTANT PROFESSOR	2022	CIVIL ENGINEERING
6	DR. ASIT AICH	ASSISTANT PROFESSOR	2022	CIVIL ENGINEERING
7	MR. ANUPAM MUKHERJEE	ASSISTANT PROFESSOR	2006	COMPUTER SCIENCE & ENGINEERING
8	MR. MITHUN ROY	ASSISTANT PROFESSOR	2004	COMPUTER SCIENCE & ENGINEERING
9	MR. DEBAJYOTI GUHA	ASSISTANT PROFESSOR	2006	COMPUTER SCIENCE & ENGINEERING
10	MR. SATADAL CHAKRABORTY	ASSISTANT PROFESSOR	2007	COMPUTER SCIENCE & ENGINEERING
11	MS. SAMPA DAS	ASSISTANT PROFESSOR	2008	COMPUTER SCIENCE & ENGINEERING
12	MS. JAYASHREE SINGHA	ASSISTANT PROFESSOR	2007	COMPUTER SCIENCE & ENGINEERING
13	MS. SUCHARITA DAS	ASSISTANT PROFESSOR	2005	COMPUTER SCIENCE & ENGINEERING
14	MR. KRITTIBAS PARAI	ASSISTANT PROFESSOR	2010	COMPUTER SCIENCE & ENGINEERING
15	MS. SUTAPA BHATTACHARYA	ASSISTANT PROFESSOR	2009	COMPUTER SCIENCE & ENGINEERING

Faculty List: (AY: 2022-23)

16	MR. DEB SHEKHAR LAHA	ASSISTANT PROFESSOR	2010	COMPUTER SCIENCE & ENGINEERING
17	MS. MOUMITA GHOSH	ASSISTANT PROFESSOR	2007	COMPUTER SCIENCE & ENGINEERING
18	DR. PRASHANTA KUMAR ROY	ASSISTANT PROFESSOR	2023	COMPUTER SCIENCE & ENGINEERING
19	DR. BISHWAJIT ROY	ASSISTANT PROFESSOR	2023	COMPUTER SCIENCE & ENGINEERING (AI & ML)
20	DR. SUSANTA KUMAR SAHA	ASSISTANT PROFESSOR	2010	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
21	DR. JAYANTA DUTTA	ASSISTANT PROFESSOR	2002	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
22	DR. BANANI ADHIKARI (DAS)	ASSOCIATE PROFESSOR	2005	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
23	MR. SOUMENDU GOLUI	ASSISTANT PROFESSOR	2010	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
24	MR. RAJEEB CHETRI	ASSISTANT PROFESSOR	2010	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
25	MR. HRISHIKESH ROY	ASSISTANT PROFESSOR	2010	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
26	MS. RIMNI CHAKRAVARTY	ASSISTANT PROFESSOR	2010	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
27	MR. PINAKY BHADURY	ASSISTANT PROFESSOR	2011	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
28	DR. DEBASMRIPTI BHATTACHERJEE	ASSISTANT PROFESSOR	2013	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES

Faculty List: (AY: 2022-23)

29	DR. SAMIT GHOSH	ASSISTANT PROFESSOR	2012, 2020	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
30	MS. DURBA BHATTACHARYYA	ASSISTANT PROFESSOR	2022,	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
31	DR. RABINDRA NATH SINGHA	ASSISTANT PROFESSOR	2022	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
32	DR. DIPANKAR SAHA	ASSISTANT PROFESSOR	2023	DEPARTMENT OF ENGINEERING SCIENCES AND HUMANITIES
33	MR. MITUL RANJAN CHAKRABORTY	ASSISTANT PROFESSOR	2000	ELECTRICAL ENGINEERING
34	MR. JAYANTA BHUSAN BASU	ASSISTANT PROFESSOR	2000	ELECTRICAL ENGINEERING
35	MR. PRALAY ROY	ASSISTANT PROFESSOR	2007	ELECTRICAL ENGINEERING
36	MS. SHRABANI PAL	ASSISTANT PROFESSOR	2008	ELECTRICAL ENGINEERING
37	MR. ARUP DAS	ASSISTANT PROFESSOR	2008	ELECTRICAL ENGINEERING
38	MR. SUBHAJIT ROY	ASSISTANT PROFESSOR	2010	ELECTRICAL ENGINEERING
39	MR. INDRAJIT KOLEY	ASSISTANT PROFESSOR	2013	ELECTRICAL ENGINEERING
40	DR. MANAS PARAI	ASSISTANT PROFESSOR	2009	ELECTRONICS & COMMUNICATION ENGINEERING
41	DR. MANAS SAHA	ASSISTANT PROFESSOR	2002	ELECTRONICS & COMMUNICATION ENGINEERING
42	MS. SARMISTHA MONDAL	ASSISTANT PROFESSOR	2004	ELECTRONICS & COMMUNICATION ENGINEERING

Faculty List: (AY: 2022-23)

43	MR. SANDIP BANERJEE	ASSISTANT PROFESSOR	2007	ELECTRONICS & COMMUNICATION ENGINEERING
44	DR. SUDIP KUMAR GHOSH	ASSISTANT PROFESSOR	2007	ELECTRONICS & COMMUNICATION ENGINEERING
45	MS. ANINDITA SINHA	ASSISTANT PROFESSOR	2009	ELECTRONICS & COMMUNICATION ENGINEERING
46	DR. DEBAJYOTI MISRA	ASSISTANT PROFESSOR	2009	ELECTRONICS & COMMUNICATION ENGINEERING
47	DR. DIA GHOSH	ASSISTANT PROFESSOR	2012	ELECTRONICS & COMMUNICATION ENGINEERING
48	MS. JAYATI ROUTH	ASSISTANT PROFESSOR	2012	ELECTRONICS & COMMUNICATION ENGINEERING
49	MS. ADITI SENGUPTA	ASSISTANT PROFESSOR	2018	ELECTRONICS & COMMUNICATION ENGINEERING
50	MR. DEBADITYA KUNDU	ASSISTANT PROFESSOR	2006	INFORMATION TECHNOLOGY
51	MS. SATHI BALL	ASSISTANT PROFESSOR	2007	INFORMATION TECHNOLOGY
52	DR. ASIT BARMAN	ASSISTANT PROFESSOR	2009	INFORMATION TECHNOLOGY
53	MS. ANKITA SINHA	ASSISTANT PROFESSOR	2022	INFORMATION TECHNOLOGY
54	MR. SUBRATA DE	ASSISTANT PROFESSOR	2009	INFORMATION TECHNOLOGY
55	DR. SHUVENDU DEY	ASSISTANT PROFESSOR	2010	MASTER OF BUSINESS ADMINISTRATION
56	MR. SHOMNATH DUTTA	ASSISTANT PROFESSOR	2005	MASTER OF BUSINESS ADMINISTRATION
57	MS. SANTANA GUHA	ASSISTANT PROFESSOR	2010	MASTER OF BUSINESS ADMINISTRATION
58	MS. SHARMISTHA BOSE	ASSISTANT PROFESSOR	2022	MASTER OF BUSINESS ADMINISTRATION

Journal Publications: (AY 2022-23)

Title of paper	Name of the author/s	Department of the teacher	Name of journal
Load Frequency Control in Renewable Energy Penetrated Hybrid Power Systems	Indrajit Koley, Asim Datta, Goutam Kumar Panda	Electrical Engineering	Journal of New Materials for Electrochemical Systems
Controlling birhythmicity in a new dual loop optoelectronic oscillator with an injection locked van der pol oscillator	Dia Ghosh, Arindum Mukherjee, Shantanu Mondal, Nikhil Ranjan Das and B.N. Biswas	ECE	Physica D: Nonlinear Phhenomena
Unaccustomed Earth: The Saga of Alienation and Broken Myths and the Emergence of a New Immigrant Culture.	Rimni Chakravarty	Humanities(DES H)	OD JOURNAL
Realizing Spirituality in every moment in Life	Rimni Chakravarty	Humanities(DES H)	OD JOURNAL
The Night of the scorpion : the tale of the juxtaposition of Indian reality	H ROY & R Chakravarty	Humanities(DES H)	OD JOURNAL
Learner Satisfaction in Academic Dynamics of Learner-Centric online Learning Method: A Multivariate Approach	Dr. Shuvendu Dey	MBA	Empirical Economics Letters
Predictive framework for crime data analysis using a hybrid logistic regression – support vector machine based ensemble classifier powered by CART (LR-SVMCART)	Anupam Mukherjee, Anupam Ghosh	CSE	Multimedia Tools and Applications
Static Permittivity and Electro-Optical Properties of Bi-Component Orthoconic Antiferroelectric Liquid Crystalline Mixtures Targeted for Polymer Stabilized Sensing Systems	Shantiram Nepal, Banani Das, Malay Kumar Das, Madhumita Das Sarkar, Katarzyna Strójkwaś, Ewelina Dmochowska, Michał Czerwiński	PHYSICS (DESH)	Journal of Molecular Liquids
Critical behaviour near the nematic-smectic-C and nematic-smectic-A phase transitions of a binary system: a comparative study from calorimetric, optical and dielectric measurements,	Smriti Mitra, Malay Kumar Das and Banani Das	PHYSICS (DESH)	Liquid Crystals
Influence of areca nut husk nano-additive on combustion, performance, and emission characteristics of compression ignition engine fuelled with plastic-grocery-bag derived oil-water- diesel emulsion	Dipankar Saha, Bidesh Roy	Mechanical(DES H)	Energy
Experimental investigation of thermal performance, kinetic triplets, and synergistic effect for bamboo-waste plastic (PP & PE) blends using thermogravimetric analyser in N ₂ atmosphere	Satyajit Pattanayak, Chancal Loha, Rohit Kumar Singh, Dipankar Saha	(Mechanical)DES H	Sustainable Energy Technologies and Assessments
On the set of all I-convergent sequences over different spaces	Mandobi Banerjee, Manasi Mandal	Mathematics(DE SH)	Filomat(volume 37)
$\alpha\beta$ -weighted dg-statistical convergence in probability	Mandobi Banerjee	Mathematics(DE SH)	Kragujevac Journal of Mathematics, 46 (2)
Efficient , Green and Biocompatible reaction Medium for the Metal- Free Synthesis of Functionalized 1,4-	Aminul Islam, Rabindranath Singha, Pranab Ghosh	Chemistry(DESH)	ChemistrySelect
System Economy Improvement and Risk Shortening by Fuel Cell-UPFC Placement in a Wind-Combined System	Mitul Ranjan Chakraborty; Subhojit Dawn; Pradip Kumar Saha; Jayanta Bhusan Basu; Taha Selim Ustun	EE	Energies 2023,

Journal Publications: (AY 2022-23)

Title of paper	Name of the author/s	Department of the teacher	Name of journal
Risk Mitigation & Profit Improvement of a Wind-Fuel Cell Hybrid System with TCSC Placement	Jayanta Bhusan Basu, Subhojit Dawn, Pradip Kumar Saha, Mitul Ranjan Chakraborty, Faisal Alsaif, Sager Alsulamy, Taha Selim Ustun	EE	IEEE Access
Review and Approximate Analysis of Edge Detection Algorithms using MATLAB	Anindita Sinha, Dr. Surajit Mandal	ECE	International Journal of Innovative Research in Technology
Formation of Li ₁₀ Zn ₄ O ₉ , Li ₂ MoO ₃ , and ZnSeO ₃ Nanophases: Roles in Electrical Conductivity and Electrochemical Stability in Lithium Ion Conductors and their Crystalline Counterparts”	Aditi Sengupta, Anil Chamuah, Rakesh Ram, Chandan Kumar Ghosh, Sanghraj Diyali, Bhaskar Biswas, Mir Sahidul Ali and Sanjib Bhattacharya	ECE	ECS Journal of Solid State Science and Technology
A Strategy for System Risk Mitigation using FACTS Devices in a Wind Integrated Competitive Power System	Arup Das, Subhojit Dawn, Sadhan Gope, Taha Selim Ustun	EE	Sustainability
Load frequency control scheme for a microgrid system with the application of hTLO-DE algorithm. Accepted for publication.	Indrajit Koley, Asim Datta, G.K.Panda	EE	Engineering Reviews
Li ₂ O-ZnO-MoO ₃ -SeO ₂ glass-nanocomposites and their crystalline counterparts: microstructure, electrical transport mechanism and first principle DFT analysis	Aditi Sengupta, Prolay Halder, Mir Sahidul Ali, Chandan Kumar Ghosh and Sanjib Bhattacharya	ECE	Physica Scripta
A Comparative Review on Energy Storage Systems and Their Application in Deregulated Systems	Mitul Ranjan Chakraborty, Subhojit Dawn, Pradip Kumar Saha, Jayanta Bhusan Basu and Taha Selim Ustun	EE	Batteries
A Comparative Study on System Profit Maximization of a Renewable Combined Deregulated Power System	Jayanta Bhusan Basu, Subhojit Dawn, Pradip Kumar Saha, Mitul Ranjan Chakraborty and Taha Selim Ustun	EE	Electronics
Economic Enhancement of Wind-Thermal-Hydro System Considering Imbalance Cost in Deregulated Power Market	Jayanta Bhusan Basu, Subhojit Dawn, Pradip Kumar Saha, Mitul Ranjan Chakraborty and Taha Selim Ustun	EE	Sustainability
System profit improvement of a thermal- wind-CAES hybrid system considering imbalance cost in the electricity market	Mitul Ranjan Chakraborty, Subhojit Dawn, Pradip Kumar Saha, Jayanta Bhusan Basu and Taha Selim Ustun	EE	Energies
Diabetic Retinopathy Detection using Curvelet and Retina Analyzer	Manas Saha, B. N. Chatterji	ECE	International Journal of Information and Communication Technology

NUMBER OF VALUE ADDED PROGRAM/ EXPERT TALK/ WORKSHOP/SEMINAR/FDP CONDUCTED.

Date	Event Name	Convener
11.8.2022	Alumni Interaction	Anupam Mukherjee
11.8.2022	Alumni Interaction Session	Dr. Sirshendu Sekhar Ghosh
28/29.7.2022	Manas Saha	Expert Lecture in Management & Engg.
21.9.2022	Alumni Talk Series	Shomnath Dutta
30.10.2022	Outreach prog - Cloth Distribution	Debayan Nandi
26.8.2022	Summer Boot Camp	Dr. Manas Kr. Parai
22.9.2022	Cloth Donation Camp	Aditi Sengupta
18.8.2022	Alumni interaction on career Opportunity	Dr. Dia Ghosh
04.11.2022	Brandemonium Contest	Dr. Shuvendu Dey
16.11.2022	Business Quiz Competition	Debayan Nandi
25.11.2022	Special lecture session for grooming of MBA Students	Debayan Nandi
26.01.2023	Celebration of Republic Day	Cultural Committee
23.01.2023	Celebration of Netaji Subhas Ch. Bose Birthday	Cultural Committee
09.1.2023 to 13.1.2023	5 days FDP	Santana Guha
26.1.2023	Celebration of Saraswati Puja	Cultural Committee
15.08.2022	Celebration of Independence Day	Cultural Committee
17.9.2022	Celebration of Biswakarma Puja	Cultural Committee
21.2.2023	National Management Day	Dr. Shuvendu Dey
13.3.2023	Industry Expert Talk on Energy Storage	Srabani Pal
17.3.2023	Observation of International Women's Day	Sathi Ball & Paromita Chowdhury
17.2.2023	Webinar on IoT and Security	Dr. Uddalak Mitra
13.3.2023	Industry Expert Talk	Srabani Paul & Subhajit Roy
28.2.2023	National Science Day	Pralay Roy & Subhajit Roy

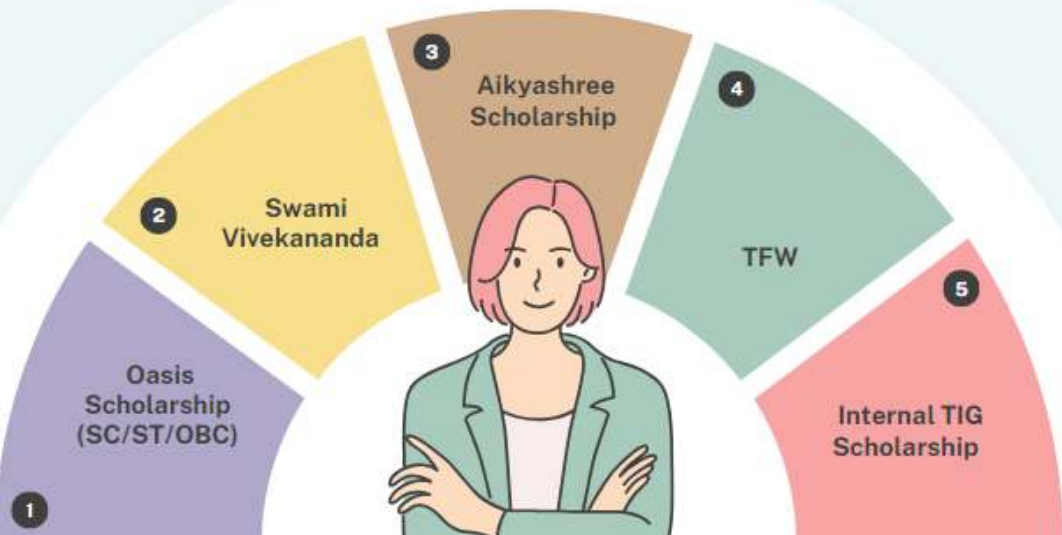
Number of extension and outreach Programmes conducted by the institution through NSS

Name of the activity	Organising unit/ agency/ collaborating agency	Year of the activity	Number of students participated in such activities
Blood Donation Camp	NSS SIT Unit in association with Rotary Blood bank	2022	101
'The Joy of Giving' (New Cloth Donation Drive)	NSS SIT Unit in association with an orphanage Home Sri Sri Poromananda Jogananda Jogasram, Tikia Para Siliguri	2022	152
Eye check up camp	NSS SIT Unit in association with ASG Eye Hospital Siliguri	2022	258
Swachh Abhijan	NSS SIT Unit as per Swaachh Bharat Abhijan Central Govt.	2022	80
Awareness program on "Safe Drive and Save Life"	NSS SIT Unit with Siliguri Traffic Police	2022	70
Yoga and Meditation	Celebration of International Yoga Day	2022	80

DETAILS OF SCHOLARSHIP FOR THE YEAR 2022-2023

Sl. No.	Name of the Scholarship Scheme	New Applications	Renewal Applications	Total
1.	Oasis Scholarship (SC/ST/OBC)	26	39	65
2.	Swami Vivekananda	152	119	271
3.	Aikyashree Scholarship	19	10	29
5.	TFW	--	--	9
6.	Internal TIG Scholarship	--	--	30

Scholarship for the Year 2022-2023



GATE QUALIFIED



PREETAM DAS
CSE
GATE RANK 3547



SAYANI GHOSH
CSE
GATE RANK 2176



ROUNAK SHAW
CSE
GATE RANK 4612



ROUNAK KUMAR
IT
GATE RANK 5066



SOUMAY MAJUMDER
IT
GATE RANK 5413



PALLAB SAHA
IT
GATE RANK 18628



DEEP CHOUDHURY
IT
GATE RANK 26313



SAYAN CHOUDHURY
EE
GATE RANK 958



MUKESH KHADAV
CIVIL
GATE RANK 7825



INTERNATIONAL CONFERENCE ON DATA SCIENCE AND COMMUNICATION - 2023



23RD - 24TH MARCH 2023 AT S.I.T

Technically Powered By:



Computer Society of India



Indian Society For Technical Education



Institution of Engineers

About The Conference

International Conference on Data Science and Communication (ICTDsC 2023) which takes place in the month of March 2023 in the stunning city Siliguri, Darjeeling, organized by the Department of Electronics and Communication Engineering, Siliguri Institute of Technology and Department of Engineering Science and Humanities. The ICTDsC-2023 will provide a fantastic opportunity for researchers, delegates, and academics to share with one another and exchange their technology, application, experience and expertise.



ICTDsC 2023



International Conference ON DATA SCIENCE & COMMUNICATION

CONFERENCE DATES

23th & 24th
March 2023

PROCEEDINGS PARTNER



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SPEAKERS



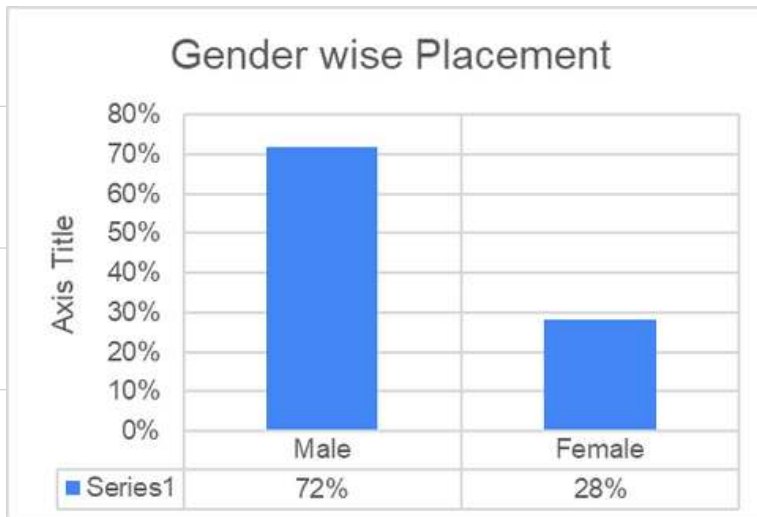
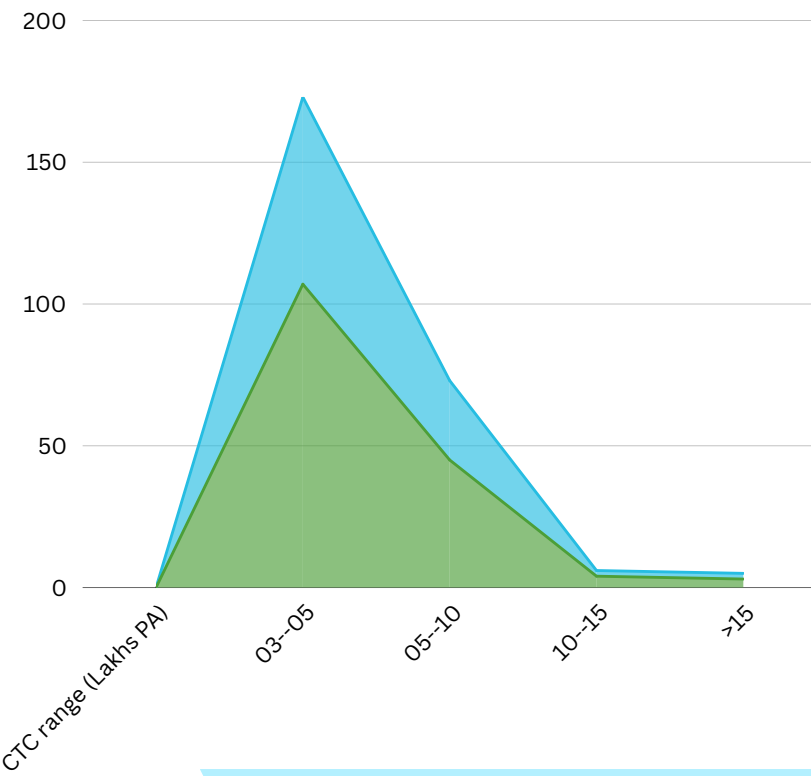
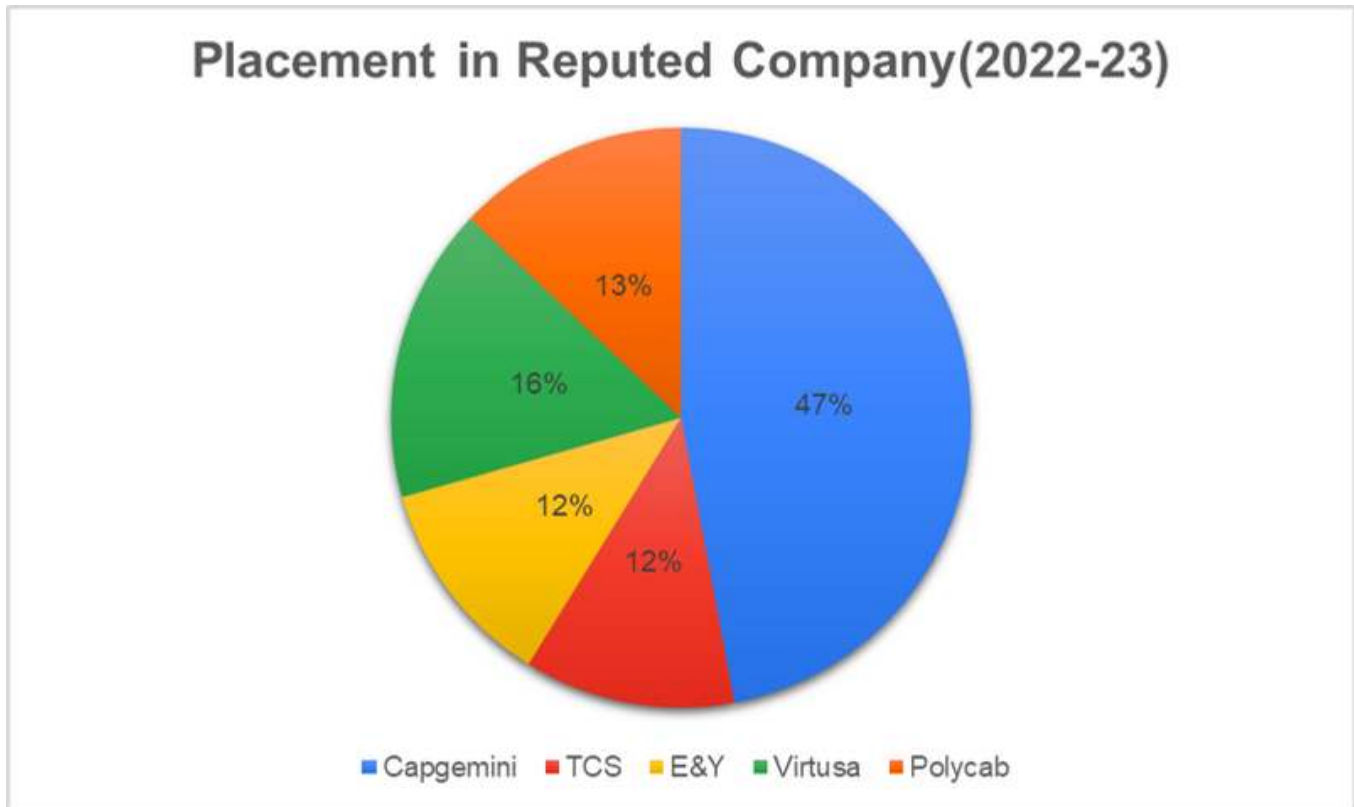
www.ictdsc.in

97493 74055 (W)

www.sittechno.org

SIT Campus, Siliguri

Training & Placement Details



Highest Package
21 LPA

Average Package
5 LPA

Our Recruiters

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accenture

NATIONAL SERVICE SCHEME (NSS) UNIT

Summary Report for the academic session 2022-23

INTRODUCTION:

Siliguri Institute of Technology has been in the forefront of NSS activities with a motto “Service before Self”. The NSS SIT unit for the session 2022 - 23 has strength of 103 volunteers. The impetus is to give the students best educational experience in order to make them responsible and productive citizens of the country. It has undertaken many socially viable activities which are very much helpful to the mankind.

ACTIVITIES UNDERTAKEN

The activities undertaken for the Academic session 2022 - 2023 were as follows:

Sl. No	Name of the activity	Date and Venue	Target audience	No. of participants
1.	Yoga Classes	From January ' 2022 (Every Tuesday 4:00 – 5:00 PM)	Faculty/ Staffs and Students	30 – 40 participants every week
2.	Blood Donation Camp	22 nd March' 2022	Faculty/ Staffs and Students	101
3.	'The Joy of Giving' (New Cloth Donation Drive)	13 th April' 2022	Faculty/ Staffs and Students and inhabitants of orphanage home in Sliguri	152
4.	Eye check up camp	22 nd April' 2022	Faculty/ Staffs/ Students and people from nearby neighborhood	258
5.	Celebration of International Yoga Day	21 st June 2022	Faculty/ Staffs and Students	76
6.	Swachh Abhijan	26 th August' 2022	Faculty/ Staffs and Students	80
7.	Awareness program on "Safe Drive and Save Life"	22 nd September' 2022	Faculty/ Staffs and Students	70
8.	Yoga and Meditation	11 th November' 2022	Faculty/ Staffs and Students	80
9.	Blood Donation Camp	28 th March' 2023	Faculty/ Staffs and Students	110

CONCLUSION:

Siliguri Institute of Technology National Service Scheme (NSS) Unit regularly organizes Awareness campaigns on current issues affecting society, Medical checkup camps, Blood Donation camps etc. Siliguri Institute of Technology believes in holistic development of a student and hence these activities are incorporated in their educational pursuits to arouse the social consciousness of students and provide them with the opportunity to work with the people in and around the educational campuses creatively and constructively and to put the education they received to concrete social use. It enables the students to upgrade their personality, gain experience and acquire leadership qualities through community services. NSS SIT Unit always looks forward to many social and noble initiatives of making our society a better place to live in.

SOME GLIMPSES OF THE ACTIVITIES



Tech-Management Fest Committee Initiative

SOFTWARE BASED PROJECT COMPETITION



Robotics (Robosoccer) Competition

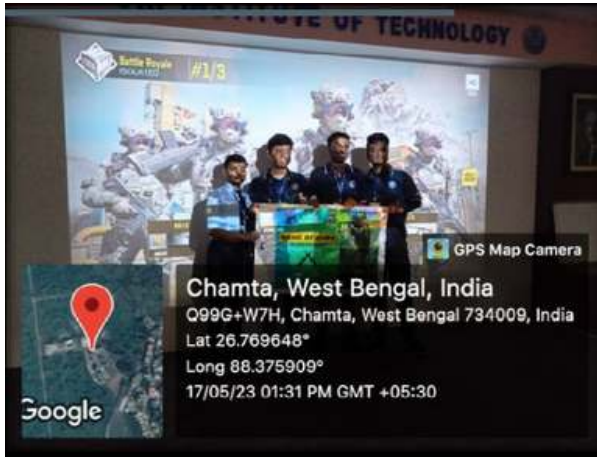


STARTUP CHALLENGE



Tech-Management Fest Committee Initiative

Gaming Competition



Hardware Based Project Competition



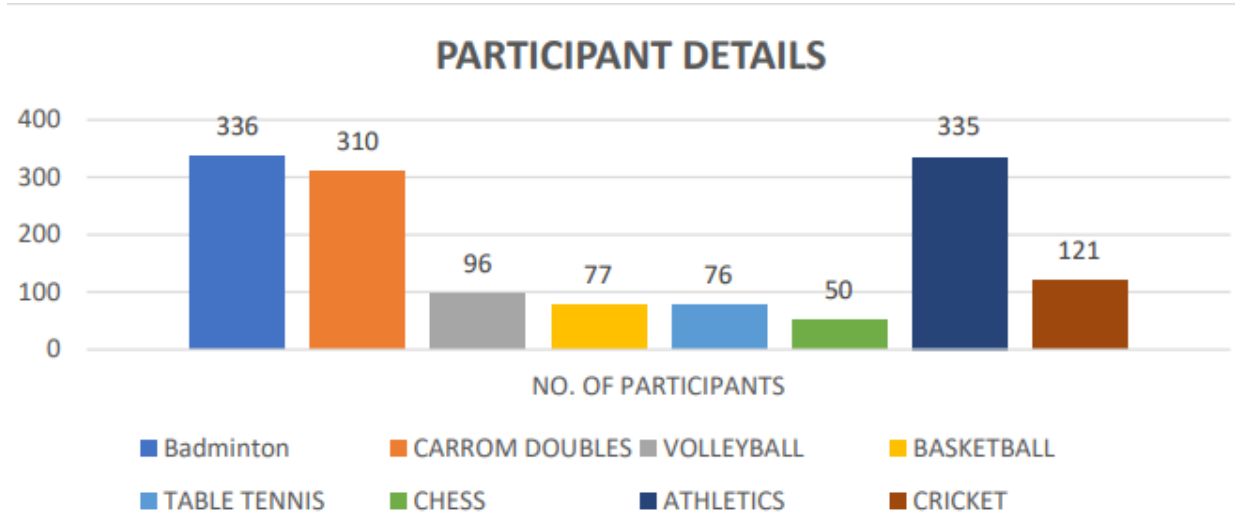
Annual Games & Sports (Extracurricular activities)

Objectives of the Event

The Sports Committee promotes every individual's health, physical & and mental well-being as well as the acquisition of physical skills & thinking capabilities among the students.

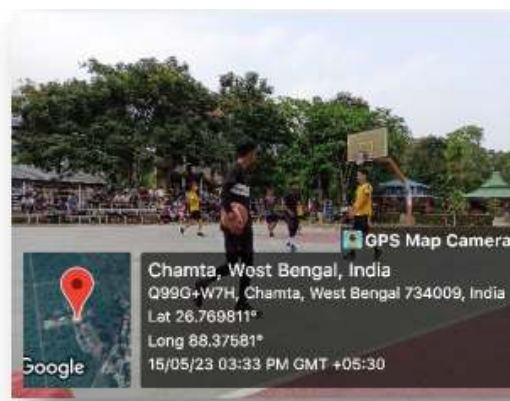
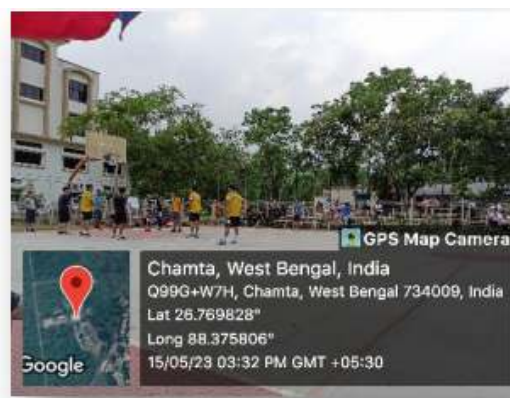
- The committee aspires to inculcate qualities such as sportsmanship, team spirit, leadership and bonding.
- It is designed to serve the interests of the student community in competitive sports and other recreational activities i.e. both indoor and outdoor.

1. Name of the event: Annual Games & Sports (Extracurricular activities)
2. Event Date: 13th, 15th to 17th May 2023, College premises
3. Event Time, Venue: SIT college premises



Annual Games & Sports (Extracurricular activities)

Geo - Tagged photographs



Cultural Events

Celebration of Birth Anniversary of Netaji Subhash on
23.01.2023



Celebration of Republic Day on 26.01.22



Celebration of Saraswati Puja on 26.01.2023



Cultural Events

Celebration of Rabindra Jayanti on 09.05.2022



Celebration of Biswakarma Puja on 17.09.2022



Celebration of Cultural Fest Phoenix 18.05.2023





**TECHNO INDIA
SILIGURI INSTITUTE
OF TECHNOLOGY**

A Satyam Roychowdhury Initiative



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END OF THE REPORT

<https://sittechno.org/>