SurTech

DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074 Website: www.surtech.edu.in, Email:info@dsec.ac.in
Affiliated to Maulana Abul Kalam Azad University of Technology West Bengal, WBSCTVESD and Approved by AICTE

ANNUAL REPORT

2023-24

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Index

Sl. No	Content		Page No
1	Message from Managing Director		2
2	Message from Principal		3
3	Vision and Mission of the Institute		4
4	Awards & Association		5
5	Achievements & Recognition		11
6	Events Organised (FDP/MDP/WEBINAR/SEMINAR/WORKSHOP)		14
7	NSS Activities		24
	NCC Activities		47
8	Club Activities		68
9	Institutional Organogram		130
10	Administrative Heads		131
11	Departmental Heads		132
12	Admission Report		133
13	Scholarship		134
14	Training & Placement		136
15	Library Resources		147
16	Memorandum of Understanding (MoU)		150
17	IT Resources		152
18	Departments	Department of Basic Science and Humanities	156
19		Department of Civil Engineering	171
20		Department of Automobile Engineering	190
21		Department of Computer Science &Engineering	209
22		Department of Electronics and Communication Engineering	226
23		Department of Electrical Engineering	245
24		Department of Mechanical Engineering	262
25	Research & Publications		283
26	Committee List		288

Message from Managing Director

Sardar Taranjit Singh

In its broadest meaning, education is any act or experience that shapes a person's mind, character, or physical abilities. Technically, education is the deliberate transmission of society's acquired knowledge, skills, and values from generation to generation. Thus, education is the basic fulcrum that drives societal growth.

The quality of education is clearly the priority in this era of globalization. Quality is not a single metric.

A good educational institution works to maintain and improve quality in all areas of operation.

I believe that a teacher may shape an educated and socially responsible human being by instilling two traits in students: curiosity and determination. Second, a teacher's noble life becomes a light for students when they establish strong values and put them into practice.

SurTech's objective to provide the best studying, teaching, and research possibilities for students and academics is to provide students with modern knowledge and strong values.

Our students find the thrill and rigor of new discoveries, and develop skills of investigation, evaluation, and communication that will serve them well in their jobs and lives.

Students' creativity, teamwork, and international competition thrive. SurTech is committed to academic independence and cultural diversity to attract students and teachers.

At Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex (SurTech), we try to establish an environment that inspires personal and professional progress. Our efforts are focused on recognizing and understanding human talent and enthusiasm. SurTech is thus about “how we can best educate our students to confront the future's challenges”.

With a 160-year tradition of academic achievement, scientific advancements, and high-tech innovation. I urge you to seize this fantastic chance and join us actively contributing to the globalization of our society.

With these remarks, I welcome everyone to SurTech and wish them every success on their new adventure with us.

Sardar Taranjit Singh
MD, JIS Group

Message from Principal

Prof. (Dr.) Saradindu Panda

I am honoured and greatly privileged to lead Dr. Sudhir Chandra sur Institute of Technology and Sports Complex (SurTech) and continue the ambitious strategy of addressing the challenges and opportunities of the future to benefit our communities more widely.

On the global platform, India has the responsibility of transforming itself into a developed nation with a strong ethical system- this; however, is a great challenge, as this can only be achieved through the youth of today who have the power of ideas, ambition, ability and most importantly passion.

I believe passionately that we are all born with tremendous capabilities, but unfortunately, we lose these as time goes by and ironically this can be directly attributed to the current system of education which stifles the creative senses rather than enhancing it.

Stepping into the JIS Group of Institutions is stepping into a brighter world of education and a knowledge hub. It is worthwhile to take advantage of the opportunity to see the difference and enjoy the "joy of learning."

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (Formerly known as Dr. Sudhir Chandra Sur Degree Engineering College) is one of India's top educational institutions, providing high-quality education to students with the goal of becoming a world-class technical education and scientific research institution.

Since its inception in 2009, SurTech under the aegis of JIS Group has continued in subtle ways to pour fresh knowledge, human capital, and innovation into the engines of our society and nurturing a new generation of young professionals who are prepared to face the ever-changing social, economic, and technological landscape of our country in order to build a more inclusive and sustainable society on a national and international scale.

Over the last decade, the Institute has evolved into a strong blend of cutting-edge infrastructure and tightly connected human resources dedicated to providing professional education with a focus on creativity and innovation.

In a short span SurTech has become an ensemble of a multi-layered educational system which covers all aspects of diploma, under-graduate and postgraduate education with smartly crafted and industry compliant course curricula using state-of-art infrastructure in a climate of possibility and transform lives and enhance communities.

The research activities of our faculty lead to an extraordinary enrichment of the experience of our students that is realized at both the graduate and undergraduate levels. The research training provided to our graduate students creates the next generation of scholars well-prepared to advance knowledge and transfer technology. The extension of research opportunities to an ever-increasing group of undergraduate students adds a dimension of experience to the undergraduate education that simply cannot be duplicated in the classroom.

SurTech heralds the latest and newest but never allows itself to be consumed by the intellectual fads of the day. Our graduates are smart, collaborative and entrepreneurial. They use the creative space of SurTech to actualize their potential. We are encouraging entrepreneurship and innovation on the campus.

We are facilitating campus recruitments and connecting our students to the world. The College strives for quality in training to instill a feeling of professional responsibility, social and cultural awareness, and to prepare students for leadership roles.

Campus life here emphasises the value of extracurricular activities in addition to academic learning, exposing students to a variety of fresh opportunities. All of this contributes to our student's development as a thoroughbred professional, well-suited to contribute to his chosen field while keeping an open mind to new ideas and concepts in industrial and technical breakthroughs through conducting Guest Lectures, Industrial Visits, Vocational Training (internships), student chapters of international professional groups, sponsored projects, and other means, students are able to meet with industry experts.

I can say with legitimate pride that the College has achieved far more than just the modest target set at the time of its inception by producing a trained human resource to serve the country in all walks of life and by contributing to the knowledge base.

I am glad to have this opportunity to serve as the Principal of this glorious institution. SurTech pledges to the state, the nation and the world that our endeavours will benefit all citizens. I invite you to join and strengthen this venture.

Prof. (Dr.) Saradindu Panda

PhD-Tech (NIT, DGP), M.Tech (VLSI, J.U), BE (UIT, BU) Vice Chair, IEEE CASS Kolkata Section IQAC Member of Swami Vivekananda College, Rahara, Ramakrishna Mission MIEEE, MIASSE, MIEI, MIETE, MIAENG, MCSTA, MIRED, MIAE, MITEEA

Vision and Mission of the Institute

Vision of the Institute

To be a top global technology institute that creates leaders & innovators and generates new knowledge for society & industry via transformative education.

Mission of the Institute

- **Excellence in Education:** Education of world-class quality, based on ethics and critical thinking, for the betterment of life.
- **Innovative Research:** An innovation ecosystem to advance knowledge and tackle pressing issues.
- **Impactful People:** Happy, accountable, compassionate, and effective employees and pupils
- **Productivity Enhancement:** Active engagement with national and international companies, as well as institutions, in order to increase productivity and economic development.
- **Service to Society:** Providing knowledge and compassion to the region and the planet.

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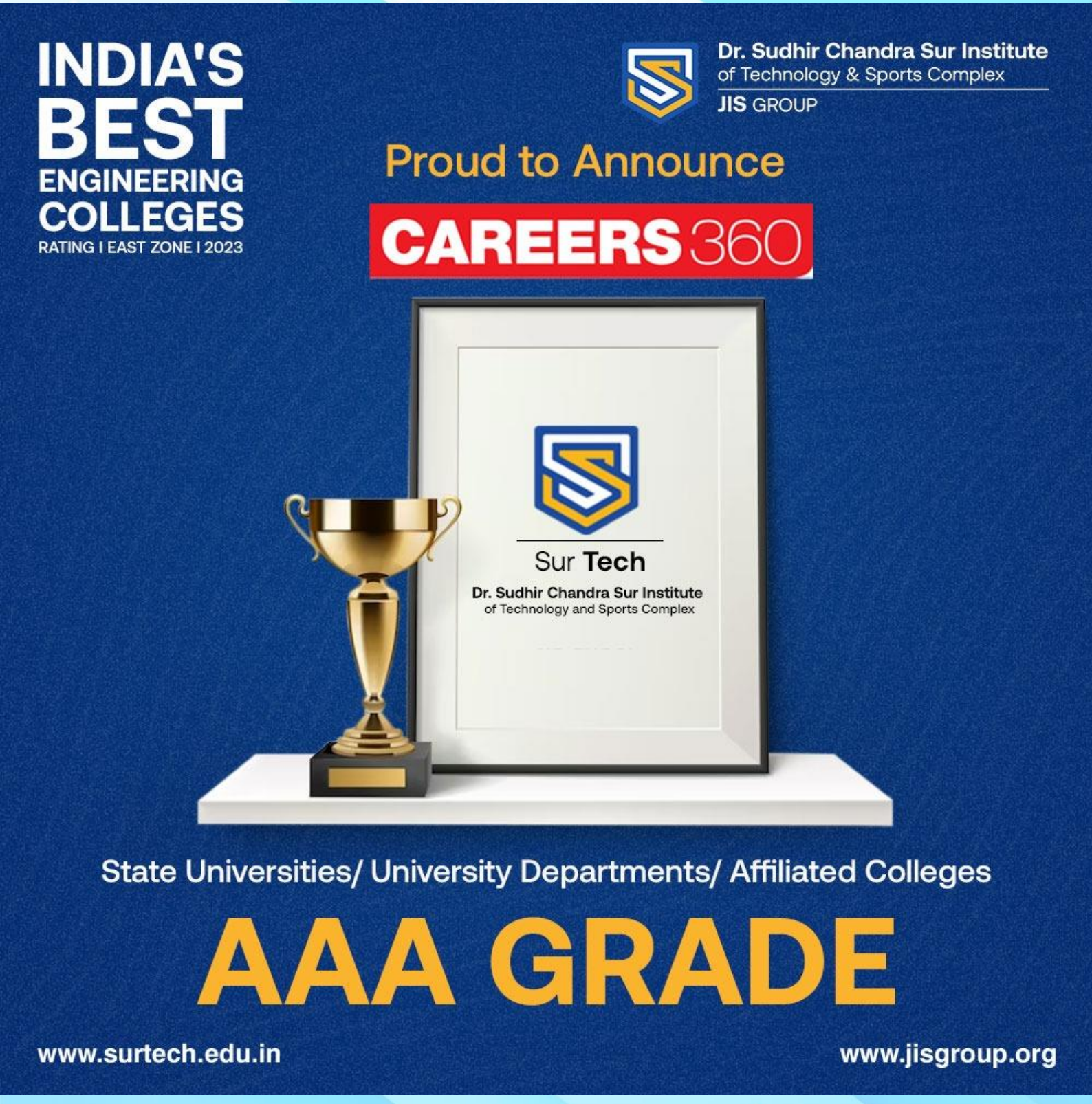
Awards & Association

2023-24

Awards & Association



Awards & Association

Ardent Computech Pvt Ltd[ECE and CSE]

Abacus Digital Pvt Ltd

Nikhil Bharat Shiksha Parishad[Automobile ,CSE and ECE]

Hyundai Motor India ltd [Automobile]

Awards & Association

Logiczap

Xviot Technologies

Sikharthy Infotech Pvt.Ltd

Gapcrud Pvt Ltd.

Eureka Scientech Research Foundation

Awards & Association

Other Association

MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एव मध्यम उद्यम
OUR STRENGTH • हमारी शक्ति
सत्यमेव जयते
Ministry of MSME, Govt. of India

Confederation of Indian Industry

BCC&I
THE BENGAL CHAMBER

Awards & Association

Other Association

ASHOK LEYLAND

AIT
Asian Institute of Technology

Infosys
campus connect
An Infosys Industry-Academia Partnership Program

THE INSTITUTION OF ENGINEERS (INDIA)
INCORPORATED BY ROYAL CHARTER 1935

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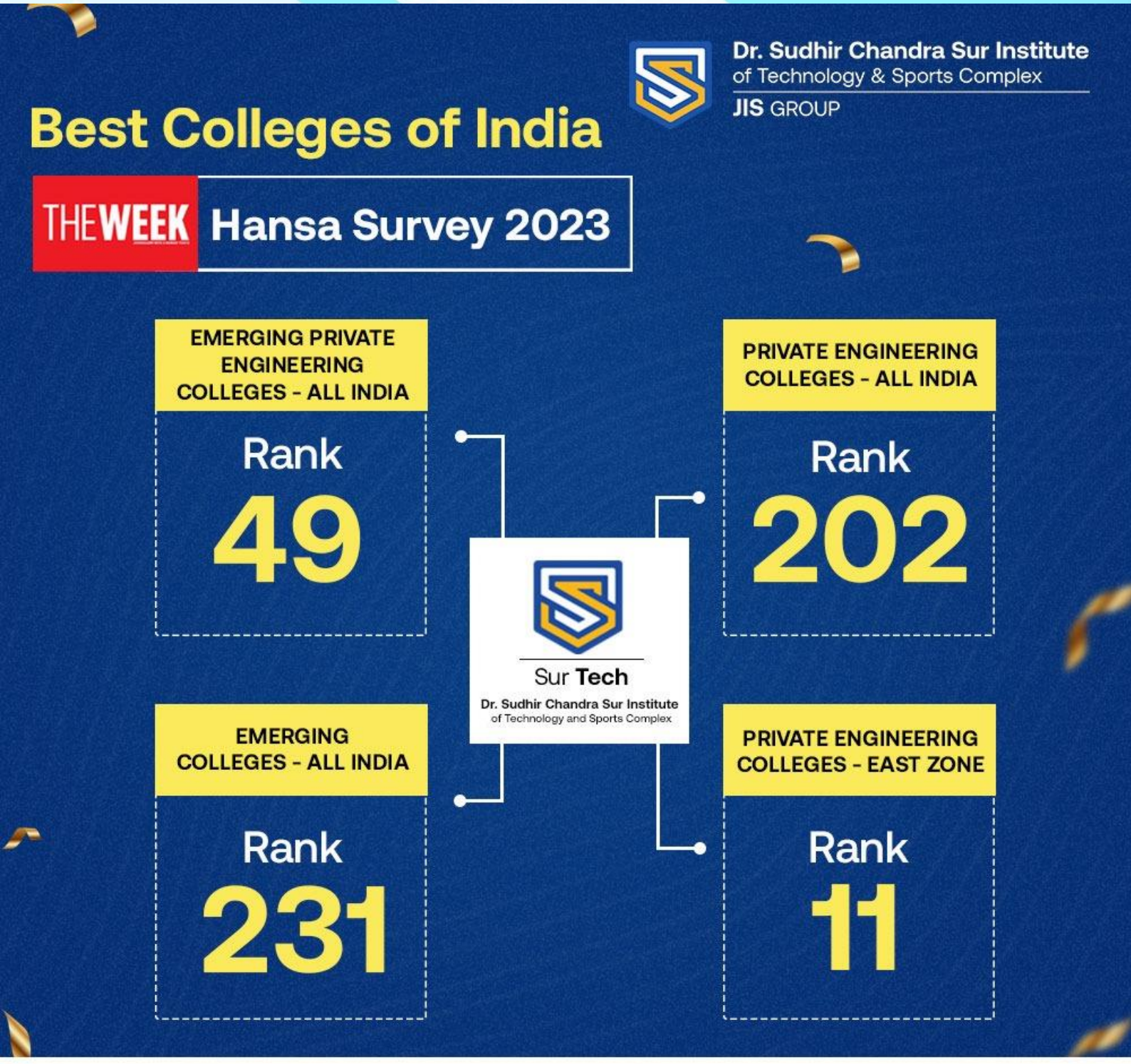
Achievements & Recognition

2023-24

Achievements & Recognition



Achievements & Recognition

CHAIRMAN IEEE CAS KOLKATA CHAPTER

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Events

2023-24

Events Organized

WEBINAR/SEMINAR/WORKSHOP SESSION ORGANIZED

Sl. No.	Date	Topic Name	Speaker
1	30/08/2023	Seminar on Electric Vehicle Battery Technology	Mr. Vishal Sharma Assistant Manager, R&D, Battery Technology, Ola Electric.
2	30/11/2023	Workshop on Automotive Design	Prof. (Dr.) Santanu Das HoD and Professor, Department of Mechanical Engineering, Kalyani Government Engineering College
3	13/03/2024	Orientation Session of IIW Students' Chapter	Prof. (Dr.) Santanu Das, HoD and Professor, Department of Mechanical Engineering, Kalyani Government Engineering College Prof. (Dr.) Tapan Kumar Pal and Mr. Rituraj Bose
4	26/04/2024	Workshop on Solid State welding of Ferrous Materials	Prof. (Dr.) Tapan Kumar Pal Retd. Professor, Department of Materials and Metallurgical Engineering, Jadavpur University
5	10/05/2024	Workshop on CATIA	Mr. Bijay Naskar Senior Faculty; Mr. Sanjib Dutta Senior Marketing Manager Executive; Mr. Debtanu Mondal Academia and Management Cell, Ardent Computech Private Limited

Events Organized

Sl. No	Name of Events	Date of Conduction	No of Participants	Outcome/Resource Person Details
1	webinar session on the event of World Environment Day	06.06.2024	40	Dr. Mainak Bhattacharya, institute postdoctoral fellow, Civil Engineering dept., IIT Delhi
2	webinar on Impact of Emerging Contaminant and Control Countermeasures for Sustainable Rural Drinking Water Supply: A Case Study Lower Ganga River Basin.	23.04.2024	45	Dr. Gaurab Banerjee, a renowned Professor from the School of Water Resource Engineering at Jadavpur University
3	workshop on PRIMAVERA and its applications in the field of civil engineering	30.01.2024	45	Mr. Soumen Dia, a seasoned professional with extensive experience in project management and PRIMAVERA)
4	FDP program on TEKLA software	11.12.2023-20.12.2023	6	Mr. R. Rajashekhara, An accomplished expert in structural engineering and BIM technologies
5	workshop session of CSI ETABS	14.09.2023	24	Mr. Sandip Banerjee, Mentor, Business Coach & guest faculty
6	Industry visit on 2 underground metro stations of Kolkata Metro Rail Corporation - Esplanade Metro Station and Howrah Metro Station	21.09.2023-22.09.2023	80	Kolkata Metro Rail Corporation
7	Seminar session on "Awareness program on Competitive Exam - GATE and ESE"	14.09.2023	70	Mr. KAUSIK AGASTYARAJ, Tutor ACE Engineering Academy, M-Tech in Mechanical Engineering from Jawaharlal Nehru Technological University
8	webinar session on Green Energy and Its Application	28.07.2023	50	Dr. Ananta Kr. Das, professor, Department of Renewable Energy, Maulana Abul Kalam Azad University of Technology

Events Organized

Sl. No.	Name of Visitor / Guest Speaker	Designation/ Occupation	Seminar/ Workshop/ Conference Topic	Total Participant	Date	Organized By (Dept. Name/Institute level)
1	Mr. Nitish Kumar	Information Security Consultant, eSecForty Technologies Pvt Ltd, Gurugram, Haryana	Webinar	80	24/07/2023	CSE
2	Ms. Iti Ipsita	Production Specialist, CTS	Webinar	42	01/08/2023	CSE
3	Mr. Soumya Raha	Certified Ethical Hacker Ardent Computech Pvt. Ltd	Webinar	40	29/09/2023	CSE
4	Mr. Shouvik Mitra	Aspire vision Tech Education Pvt Ltd	Webinar	112	12/02/2024	CSE
5	Mr. Joydeep Nath	Senior Technical Expert, MicroPro	Seminar	26	11/03/2024	CSE
6	Mr. Deepyan Pal	Director and Founder,Sikharthy Infotech Pvt. Ltd.	Webinar	124	19/04/2024	CSE

Events Organized

Sl. No	Name of Events	Date of Conduction	No of Participants	Outcome/Resource Person Details
1	Webinar on "A problem that can't be solved with the IF-ELSE condition"	25th July, 2023	75	Mr. Kaushik Sarkar, Associate Professor of Narula Institute of Technology
2	Seminar on the topic "Career Opportunities after B.E/B.Tech"	14th September, 2023	45	Dr. Kaushik Agastyarajpta, HOD, ECE of Narula Institute of Technology
3	Five Days' Workshop on "CADENCE Tools for VLSI Design and Design for High Frequency Electromagnetics & related Innovative Technologies"	27th June to 1st July 2023	79	The resource persons are renowned academicians from IITs and other universities)

Events (FDP/MDP)

Year	Name of the participant	Designation	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
2023-2024	Amrut Ranjan Jena	Associate Professor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Madhusmita Mishra	Assistant Professor	Leveraging IoT for a sustainable planet	8/01/2024 to 12/01/2024
2023-2024	Amal Kumar Saha	Assistant Professor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Amitava Halder	Assistant Professor	Present Scenario of Lighting Sector: Industry 4.0	26/01/2024 to 01/02/2024
2023-2024	Soumitra Roy	Professor	Modern and Innovation Tools in Engineering Education	15/01/2024 to 19/01/2024
2023-2024	Soham Mukherjee	Assistant Professor	Ubiquitous Technological Convergence	15/01/2024 to 19/01/24
2023-2024	Anjan Payra	Assistant Professor	Ubiquitous Technological Convergence	15/01/2024 to 19/01/24
2023-2024	Anjan Payra	Assistant Professor	Modern and Innovation Tools	15/01/2024 to 19/01/24
2023-2024	Arnab Hazra	Assistant Professor	Ubiquitous Technological Convergence	15/01/2024 to 19/01/24
2023-2024	Arnab Hazra	Assistant Professor	Leveraging IoT for a sustainable planet	08/01/2024 to 12/01/2024
2023-2024	Rebeka Sultana	Assistant Professor	Journey into Computing's Future: Technology, Research & Innovation	18/12/2023 to 22/12/2023
2023-2024	Rebeka Sultana	Assistant Professor	Recent Trends in Computational Approaches	02/01/2024 to 06/01/2024
2023-2024	Debdatta Chatterjee	Assistant Professor	Ubiquitous Technological Convergence	15/01/2024 to 19/01/2024
2023-2024	Debdatta Chatterjee	Assistant Professor	Leveraging IoT for a sustainable planet	08/01/2024 to 12/01/2024

Events (FDP/MDP)

2023-2024	Chandrima Sinha Roy	Assistant Professor	Effect of Generative AI in Modern Research and Industry	29/4/2024 to 03/05/2024
2023-2024	Sanjoy Bhattacharjee	Assistant Professor	Leveraging IoT for a sustainable planet	08/01/2024 to 12/01/2024
2023-2024	Sanjoy Bhattacharjee	Assistant Professor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	09/10/2024 to 13/102024
2023-2024	Dr Anirban Neogi	Assosiate Professor	Health Monitoring and Rehabilitation of Structures	18/12/2023 to 23/12/2023
2023-2024	Debasmita Manna	Assistant Professor	Present scenario in Lighting Sector (Industry 4.0)	26/01/24 to 01/02/24
2023-2024	FIROJUDDIN SK	Assistant Professor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	SOMNATH DASGUPTA	Assistant Professor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Ananya Banerjee	Assistant Professor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Bidisha Dobe	Assistant Professor	Present scenario in Lighting Sector (Industry 4.0)	26/01/24 to 01/02/24
2023-2024	Pijush Dutta	Assosiate Professor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Somdutta Pal	Assistant Professor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Sangita Jana Mukhopadhyay	Assistant Professor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Goutam Kumar Das	Assosiate Professor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Sayantan Chakraborty	Associate Professor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Prathita Roy	Assistant Professor	AICTE/UGC LEARNING OUTCOME-BASED CREDIT FRAMEWORK(LOCF) EXAMINATION REFORMS WORKSHOP	09/10/2023 to 13/10/2023
2023-2024	Rumrum Banerjee	Assistant Professor	AICTE/UGC LEARNING OUTCOME-BASED CREDIT FRAMEWORK(LOCF) EXAMINATION REFORMS WORKSHOP	09/10/2023 to 13/10/2023
2023-2024	Ranendra Roy	Associate Professor	Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Sk. Tanbir Islam	Associate Professor	Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024

Events (FDP/MDP)

2023-2024	Arindam Mukherjee	Assistant Professor	Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Kalyan Mukherjee	Assistant Professor	Applications of VR/AR in manufacturing	18/12/2023 to 22/12/2023
2023-2024	Shankha Ghosh	Assistant Professor	Applications of VR/AR in manufacturing	18/12/2023 to 22/12/2023
2023-2024	Pritam Bhattacharaya	Assistant Professor	Applications of VR/AR in manufacturing	18/12/2023 to 22/12/2023
2023-2024	Biswabandhu Chatterjee	Assistant Professor	CO PO Mapping and CO PO Attainment	10/07/2023 to 14/07/2023
2023-2024	Krishnendu Kundu	Assistant Professor	Tekla Structures Custom Training (Online)	11/12/2023 to 20/12/2023
2023-2024	Sourav Kumar Singha	Assistant Professor	Tekla Structures Custom Training (Online)	11/12/2023 to 20/12/2023
2023-2024	Baibaswata Das	Assistant Professor	Tekla Structures Custom Training (Online)	11/12/2023 to 20/12/2023
2023-2024	Prasun Seal	Assistant Professor	Health Monitoring and Rehbilitation of Structure(HMRS 2023)	18/12/2023 to 23/12/2023
2023-2024	Debasish Roy	Assistant Professor	Health Monitoring and Rehbilitation of Structure(HMRS 2023)	18/12/2023 to 23/12/2023
2023-2024	Souvik Chakraborty	Assistant Professor	Present scenario of lighting Sector:Industry 4.0	26/01/2024 to 01/02/2024
2023-2024	Nilanjana Banik	Assistant Professor	Present scenario of lighting Sector:Industry 4.0	26/01/2024 to 01/02/2024
2023-2024	Dr. Ruma Sen	Associate Professor	Nano Technology, Materials & Science	19/02/2024 to 24/02/2024
2023-2024	Geetika Kumari Salwan	Assistant Professor	Work Life balance in a BANI (Brittle, anxious, nonlinear and incomprehensible) Era	25/11/2023, 28/112023 to 02/12/2023
2023-2024	Arpita Chatterjee	Assistant Professor	Work Life balance in a BANI (Brittle, anxious, nonlinear and incomprehensible) Era	25/11/2023, 28/112023 to 02/12/2023
2023-2024	Subhasish Halder	Assistant Professor	Work Life balance in a BANI (Brittle, anxious, nonlinear and incomprehensible) Era	25/11/2023, 28/112023 to 02/12/2023
2023-2024	Soumyadip Karan	Assistant Professor	Work Life balance in a BANI (Brittle, anxious, nonlinear and incomprehensible) Era	25/11/2023, 28/112023 to 02/12/2023

Events (FDP/MDP)

2023-2024	Arindam Banerjee	Assistant Professor	Advance Materials and Their Characterization	06/11/2023 to 10/11/ 2023
2023-2024	Arpita Poddar	Assistant Professor	Advance Materials and Their Characterization	06/11/2023 to 10/11/ 2023
2023-2024	Pradeep Kumar Sharma	Assistant Professor	Advance Materials and Their Characterization	06/11/2023 to 10/11/ 2023
2023-2024	Sujoy Saha	Professor	Advance Materials and Their Characterization	06/11/2023 to 10/11/ 2023
2023-2024	Dipankar Das	Assistant Pofessor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Biswajit Das	Assistant Pofessor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Sukhendu Sadhukhan	Assistant Pofessor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Ayan Paul	Assistant Pofessor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Pallabi Bose	Assistant Pofessor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Debasmita Roy Chowdhury	Assistant Pofessor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Nibedita Biswas	Assistant Pofessor	Empowering Faculty: Unlocking Opportunities in Research, Academics, and Industry through Effective Scientific Paper, Plagiarism, Grant, and Patent Writing	13/05/2024 to 17/05/2024
2023-2024	Dipankar Das	Assistant Pofessor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Sukhendu Sadhukhan	Assistant Pofessor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Pallabi Bose	Assistant Pofessor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Debasmita Roy Chowdhury	Assistant Pofessor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024
2023-2024	Nibedita Biswas	Assistant Pofessor	MODERN AND INNOVATIVE TOOLS IN ENGINEERING EDUCATION	15/01/2024 to 19/01/2024

Events (FDP/MDP)

Year	Name of the participant	Designation	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
2023-2024	Abhishek Das	Account Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Kripashankar Tiwari	Office Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Suman Singh	Front Office Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Nirupam Sarkar	Office Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Prasenjit Paul	Assistant Librarian	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Prabir Dutta	Library Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Rahul Choudhary	Store Keeper	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Debina Dey	Manager	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Antara Chowdhury	Office Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Madhab Naskar	Office Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Pallabi Das	Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Sanjib Sarkar	Lab Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Anupama Kumar Guha	Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Jit Majumder	Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Tanmoy Das	Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Sayani Ghosh Saha	Marketing Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Suparna Rej	Tele caller	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Jayanta Si	Senior Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Sandip Bhadra	Senior Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Rajiv Ranjan	Office Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023

SurTech

Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex

NSS Activities

राष्ट्रीय सेवा योजना
NATIONAL SERVICE SCHEME

Academic Year (2023 — 2024)

Message from Editor

Ms. Debasmita Manna

Dear Students, Faculty, Staff, and Well-Wishers,

I'm happy to address all of you as we share the annual report of the National Service Scheme (NSS) at Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex. This year has truly highlighted the importance of service, teamwork, and community involvement.

Our students have embraced the essence of NSS, dedicating their time and efforts to various initiatives that have made a positive impact on both our campus and the local community. From environmental projects to health awareness campaigns, each initiative has demonstrated our youth's commitment to social responsibility.

I want to express my sincere gratitude to our faculty and staff for their consistent support. Your guidance has been essential in enabling our students to take charge and effect meaningful change.

As we look ahead, let's continue to motivate each other and explore new opportunities for service. Together, we can broaden our efforts and enhance our impact.

Thank you for your commitment and hard work. Here's to another year of service and growth!

Warm regards,
Drbasmita Manna
Assistant Professor, Department of ECE

Vision and Mission of NSS

Vision

The vision is to create the youth with the soul and awareness to assist the society and give effort for the elevation of our country as a movement.

Mission

To afford headship and route in social services, enhance the capabilities of social service organizations, and promote strategic partnerships for social services.

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INDEX

Sl.No	Extension Activities in Neighbourhood Community (2023-24)
1	Orphanage Home Visit
2	Campaign on Environment
3	Food and Cloth Distribution
4	Free Eye Check Up Camp
5	Health Check up Camp
6	Campaign to Observe World Environment Day
7	World Kindness Day-Cloth Distribution Camp

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NATIONAL SERVICE SCHEME (NSS)

The National Service Scheme (NSS) is an Indian Government sector maintained public service scheme. This scheme comes under the fortification of the Ministry of Youth Affairs & Sports.The National Service Scheme (NSS) is an addition of events in the higher education system of India with the purpose of permitting apprentices to progress their nature by providing public service while they are learning. It provides opportunity to the apprentice youth of 11th & 12th standard of schools at +2 Board level and apprentice youth of Technical Institution, Graduate & Post Graduate at colleges and University level of India to take part in various Government led community service activities & programs. The sole aim of the NSS is to offer hands on practice/involvement to young apprentices in distributing community service. This NSS was launched on 24 September 1969 by Dr. Vijayendra Kasturi Ranga Varadaraja Rao (V.K.R.V. Rao). He was the Educational Minister during the 1969 to 1971. Since inauguration of the NSS in 1969, the number of apprentices' strength reached up to over 3.8 million approximately from various schools, colleges and universities to take part in various community service programs. Currently, the headquarter of NSS is located at New Delhi. The Programme Adviser, NSS, New Delhi is the National Head who mainly controls the NSS Scheme all over the India.

After freedom, the University Grants Commission (UGC) was controlled by Sarvepalli Radhakrishnan, who indorsed the outline of charitable nationwide service in academic organizations. In the January of 1950 The Central Advisory Board of Education (CABE) also considered the same things at their meeting. The Father of Nation, Mahatma Gandhi had known that our country could not develop in a proper track till the apprentice youth were inspired to give effort for the upliftment of the townships/public. According to Gandhiji, the townships, where majority of the people existing, personify the nation. Hence, for the nationwide modernization and revival it was considered suitable that the apprentices and educators should be correctly explained and applied for solidification the Indian civilization as a whole with specific accent on rural communal. Then, apprentice youth, educators and the communal are considered as the trio basic apparatuses of the National Service Scheme. After investigation the thought and the involvements of other nations in this ground, the board suggested that apprentices and educators should dedicate time to charitable physical work. In 1958 Chief Minister, Jawaharlal Nehru considered the thought of communal service as a precondition for qualification. It was focused the Ministry of Education to frame an appropriate scheme for the outline of national service into academic organizations.

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During the 1964 - 1966, D.S. Kothari, head of the Education Commission, indorsed that apprentices at every stage of schooling should be related with some arrangement of communal service. In a government declaration of national policy on education, it was specified that work involvement and national service should be an essential part of edification. Communal services are a variety of community services providing by any nationwide or local government body for its inhabitants, counting such things as health care, public housing, social care and social security. Increasing on our responsibilities as a membership body, we strive to be the voice of the sector and an advocate for underserved needs. We improve communal services, creator innovative programs, progress service delivery and efficiency, and increase commercial and communal engagement to match abilities and desires. Our multidirectional efforts to increase abilities, mobilize properties and offer subsidy to scale up the sector's proficiencies have a key goal in mind - supporting our associates to create long-lasting positive effect. So, for the national renovation and national recovery it was believed suitable that the apprentices and educators should be properly explained and applied for firming the Indian civilization as a whole with specific prominence on rural communal. Therefore, apprentice youth, educators and the communal are considered as the trio basic apparatuses of the National Service Scheme.

Vision: The vision is to create the youth with the soul and awareness to assist the society and give effort for the elevation of our country as a movement.

Resolution: To confirm that every person has the prospect to breathing a life of self-esteem to his or her fullest possible within society.

Mission: To afford headship and route in social services, enhance the capabilities of social service organizations, and promote strategic partnerships for social services.

Motto: The National Service Scheme (NSS) has been functioning with the motto "**Not Me But You**" in view of making the youth inspired in service of the people and hence NSS Aims Education through Community Service through Education. It is very profound and evocative and is good in keeping with the spirit of NSS service for others.

The face stands for two belongings:

i) For receiving and yielding the Self and

ii) Execution able service for others

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The word "Not" before "me" is to diminish the self to augment the reputation of others.

The shortenface "Not Me but You" can be justextended as follows:

I do not live for me but for you.

The world is not only for me but for you also.

The motto of NSS reminds us the words of Swami Vivekananda "Not I but, Thou".

Objectives:

i. To develop competence required for group living and responsibilities
ii. To gain skills in mobilizing community participation
iii. To acquire leadership quality
iv. To develop capacity to meet emergencies
v. To develop confidence for self-education for lifelong learning of advancements being happened around the world.
vi. To understand the community in which they work
vii. To understand themselves in relation to their community
viii. To identify the basic needs and problems of the community
ix. To develop among themselves a sense of civic responsibility
x. To practice national integration and social harmony.
xi. To exhibit the professional knowledge and accepting ethical responsibility to the problems of industry and society.
xii. To develop professional, ethical attitude, team building skills and multi-disciplinary approach to demonstrate the ideal behavioral qualities while leading the team for deriving maximum productivity.
xii. To develop consciousness in the issue of social concerns and enabling students to upgrade their personality and experience through community services to have a meaningful linkage between the Institution and Society.

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NSS Symbol:

The symbol for the NSS has been based on the giant Rath Wheel of the world famous Konark Sun Temple (The Black Pagoda) located in Orissa, India. The wheel represents the cycle of creation, preservation and release. It signifies the movement in life across time and space, the symbol thus stands for continuity as well as change and implies the continuous striving of NSS for social change. The eight bars in the wheel represent the 24 hours of a day. The red color indicates that the volunteer is full of young blood that is lively, active, energetic and full of high spirit. The navy-blue colorindicates the cosmos of which the NSS is tiny part, ready to contribute its share for the welfare of the mankind.

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Why Technical Persons Intend to do Social Service?

i. In any growing work people are the most vital investors. Because of this circumstance that all growths prerequisite to help some embattled people, be it in the kingdom of well-being, edification, water supply, drainage/sewerage or any other engineering facts.

ii. Technologists per say one of the main messengers right from the postindependence era.

iii. Rising effect of globalization and contribution of all the development investors has been more noticeable.

iv. In any kind of developmental process, careful and specific planning to help the stakeholders both from the angle of participation and implementation.

v. Today with the rapid advancement of ICT, this need has become manifold.

The actual implementers need to know both the environment and population in a holistic manner.

In today's world, this is most important because the executors must learn to know and analyze the actual ground reality from a bet

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Orphanage Home Visit Organized by NSS & Extra Curricular Activities Committee

Date: 12th February, 2024 **Venue**: Nalta

Arindam Welfare Society **No of**

Participants: 32

Objective: The purpose of this activity was to help the orphans by providing necessary stuffs to continue with their best practices.

A noble initiative has been taken by the students and staff members of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex along with NSS and Extra Curricular Committee to conduct an "Orphanage Visit" under the scheme of Social Awareness on 12thFebruary, 2024.

They visited an Orphanage Home, Nalta Arindam Welfare Society, Matkal, Kolkata-65.

It was indeed a very satisfying experience for students, as they could bring smiles on children's faces. They realized the importance of little contribution and their social responsibilities towards the society.

The orphanage has given shelters to more than 100 orphans who have been nurtured there with care and concern in their bringing ups. The students distributed masks, sanitizers, notebooks and snacks to the children. They also engaged them with various games and fun activities. All the children looked very excited and cheerful.

The students have also listened to the experiences of the children and have promised to visit the orphanage again.

Name of event	Coordinator	Number of participants
Orphanage Home Visit- Nalta Arindam Welfare Society	Ms. Debasmita Manna	32

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Banner of Orphanage Home Visit- at Nalta Arindam Welfare Society on 12th February, 2024

Picture of Orphanage Home Visit- at Nalta Arindam Welfare Society on 12th February, 2024

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Campaign to Save Environment Organized by NSS and Extra Curricular Activities Committee

Date-1st December 2023
Time: 11.00 AM
Venue: South DumDum Municipality
No of Participants: 34
Objective: To raise public awareness of the importance of environmental conservation.

On 1st December 2023, the Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex's NSS team, Extracurricular Committee members, and students organized an Environmental Awareness program called "Environmental Awareness Activity in order to raise awareness of the environment and nature in our society.

The activity's goal was to raise public awareness of the environment and how the ecological cycle keeps the world alive. In essence, environmental awareness will improve the natural environment and assist us in making decisions that will help, not harm, the planet.

The Extracurricular Activities Committee arranged poster-making and slogan-writing competitions, in which students and members of the NSS team took part. In addition, the NSS members participated in an environmental awareness rally around the neighborhood location.

Name of event	Coordinator	Number of participants
Campaign to Save Environment	Ms. Debasmita Manna	34

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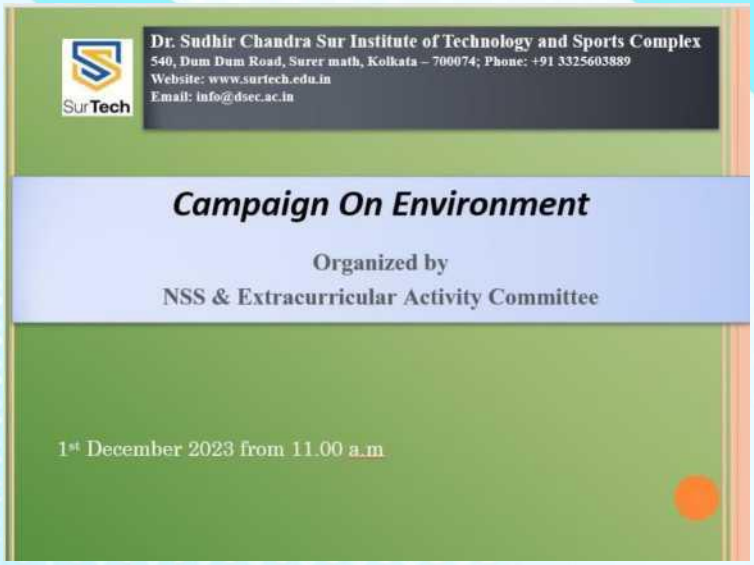

Banner of Campaign on Environment at DumDum Municipal Area on 1st December, 2023

Photo of Campaign on Environment at DumDum Municipal Area on 1st December, 2023

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Food and Cloth Distribution Camp

Date: 24th January 2024 **Time:** 03.00 PM
Venue: Chhatakol Slum Area, 540, Dum Dum Road, Surer math,(Near Dum Dum Jn.Station), Kolkata-700074, WestBengal **No of Participants:** 30
Objective: The objective of the program was to distribute clothes to the poor and needy people of the locality.

"Service to mankind is service to God"

This noble thought of Swami Vivekananda inspires everybody to contribute towards the wellbeing of the world. Apparently in our journey of helping the world, were ally help ourselves, because it is not the receiver that is blessed, but it is the giver. These thoughts motivated to organize a Food and Cloth Distribution Camp under the scheme of Social Awareness by the NSS and Extra Curricular Committee of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

For this activity, reusable clothes were collected from students and staffs before the scheduled date. On 24th January 2024, the NSS team reached the Chhatakol area where the students distributed clothes to almost 70 poor people and have also donated blankets thus, helping them to sustain moderately both in heat and cold.

The purpose of the activity was fulfilled with the reflection of smile on the face of the poor people on receiving the clothes which perhaps added a little bit of happiness to them, the students have also assured them to provide clothes and other necessary help whenever it is needed.

With the motto: The contentment and pleasure attained by one through helping the less fortunate is the greatest achievement we could ever have in our life.

Name of event	Coordinator	Number of participants
Food and Cloth Distribution	Ms. Debasmita Manna	30

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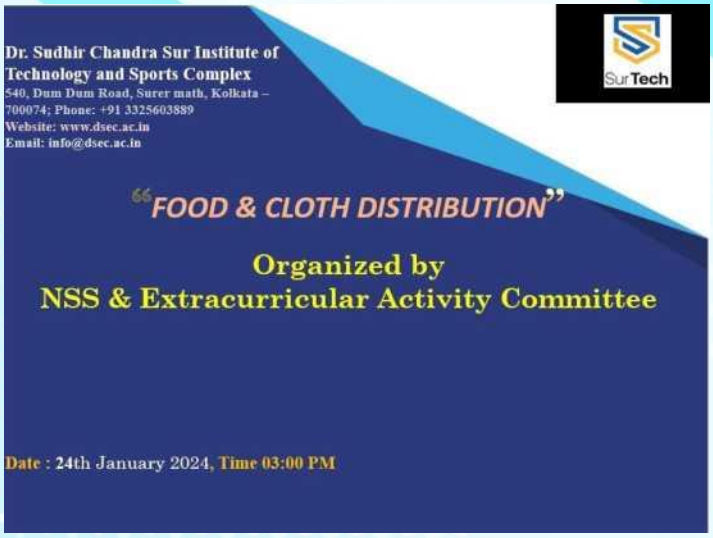

Banner of Food and Cloth Distribution at Chhatakol Slum Area on 24th January, 2024

Image of Food and Cloth Distribution at Chhatakol Slum Area on 24th January, 2024

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Free Eye Checkup Camp Organized by NSS and Extra Curricular Activities Committee

Date: 4th October2023 **Time:** 02.30 PM **Venue:** Lion's Club Kankurgachi **No of Participants:** 30
Objective: Access to quality eye care services is a fundamental aspect of public health.

Accessibility and Affordability:
Free eye checkup camps break down financial barriers to eye care, ensuring that individuals from underserved communities can access essential vision screening services without bearing any financial burden. By eliminating cost barriers, these camps make eye care services accessible to economically disadvantaged populations who may otherwise forgo essential checkups due to financial constraints.
Early Detection and Prevention:
Regular eye checkups are crucial for the early detection and prevention of vision- related ailments such as refractive errors, cataracts, glaucoma, and diabetic retinopathy. Free eye checkup camps facilitate early diagnosis by providing comprehensive screenings, enabling healthcare professionals to identify potential eye health issues in their nascent stages and initiate timely interventions to prevent further progression. Education and Awareness:
Beyond offering screenings, free eye checkup camps serve as platforms for raising awareness about the importance of eye health and preventive measures. Through interactive sessions and educational materials, participants learn about proper eye care practices, the significance of regular checkups, and the importance of seeking timely treatment for vision-related conditions. This awareness empowers individuals to prioritize their eye health and take proactive measures to safeguard their vision.
Community Engagement and Empowerment:
Free eye checkup camps foster community engagement by bringing together healthcare providers, volunteers, and local residents in a collaborative effort to promote vision care. By actively involving community members in the planning and implementation process, these camps empower individuals to take ownership of their health and advocate for the prioritization of eye care within their communities.

Name of event	Coordinator	Number of participants
Free Eye Checkup	Ms. Debasmita Manna	30

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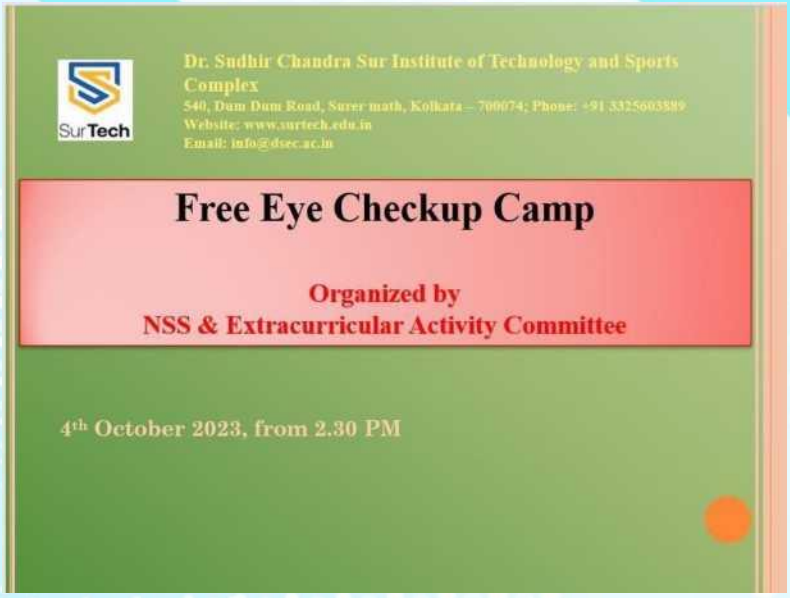

Banner of Free Eye Checkup at Lion's Club on 4th October, 2023

Photo of Free Eye Checkup at Lion's Club on 4th October, 2023

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Health Checkup Camp Organized by NSS and Extra Curricular Activities Committee

Date- 11th August 2023 **Time**: 11:30 AM
Venue: Lion's Club Kankurgachi, Kolkata
No. of Participants: 30

In order to stay fit and to raise public awareness of the importance of eating a healthy diet, Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex students, in partnership with the NSS and Extracurricular Activities Committee, arranged a "Health check-up Camp" on August 11, 2023, at Lion's Club Kankurgachi.

Obesity, diabetes, and excessive pressure can all lead to diabetes, which is harmful to one's health. As a result, this camp has started programs to inform people about the precautions they should take to avoid developing diabetes, high blood pressure, obesity, and other health problems.

A panel of medical professionals was invited by the NSS team to assess participants' blood sugar levels, review their meal plans, and take blood pressure readings from program participants. Consequently, individuals who were diagnosed with hypertension, diabetes, or obsession received recommendations for medications and instructions.

Name of event	Coordinator	Number of participants
Health Checkup Camp	Ms. Debasmita Manna	30

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Banner of Health Checkup at Lion's Club on 11th August, 2023

Image of Health Checkup at Lion's Club on 11th August, 2023

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Observation of World Environment Dav
Organized hv
NSS & Extracurricular Activities Committee

Date- 5th June 2024 **Time:** 11:00AM
Venue: South DumDum Municipality Area
No of Participants: 40

Objective: The drive served as a practical lesson in environmental stewardship for the students. The college plans to continue such initiatives regularly, with follow-up activities to ensure the healthy growth of the planted saplings.

The World Environment Day 2024 event organized by Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex was a resounding success. It fostered a sense of responsibility among the students towards the environment and underscored the importance of collective action in addressing environmental issues. The presence and support of the college's administration and coordinators significantly boosted the morale of the participants, making the event memorable and impactful.

The college looks forward to organizing more such events in the future to continue its commitment to environmental sustainability and awareness.

Name of event	Coordinator	Number of participants
World Environment Day	Ms. Debasmita Manna	40

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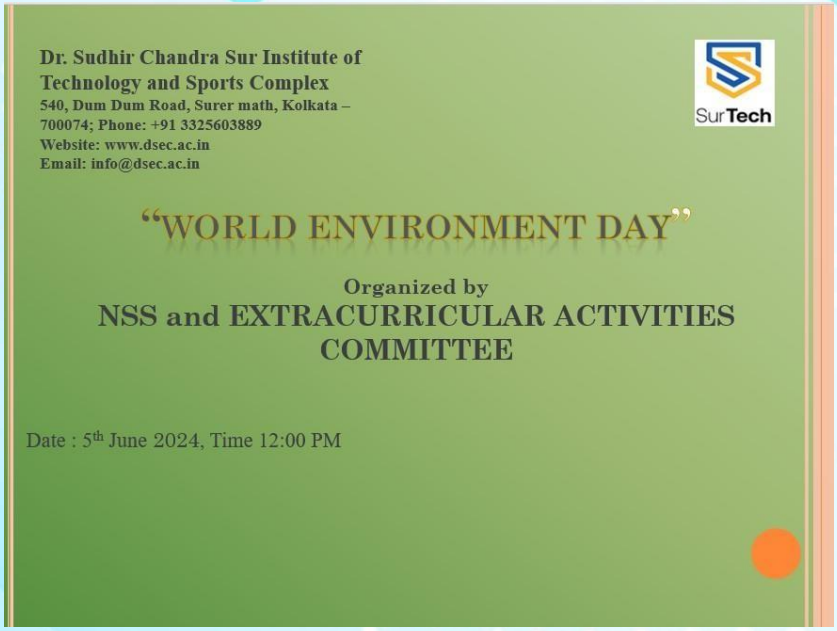

Banner of World Environment Day Celebration at Dumdum Municipality on 05th June, 2024

Image of World Environment Day Celebration at Dumdum Municipality on 05th June, 2024

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World Kindness Day- Cloth Distribution Organized by NSS and Extracurricular Activities Committee

Date: 13th November 2023
Time: 12.00 PM
Venue: Dumdum Municipal Area
No of Participants: 35
Objective: When you are kind to others, it not only changes you, it changes the World.

World Kindness Day is an international holiday that was formed in 1998, to promote kindness throughout the world and is observed annually on November 13 as part of the World Kindness Movement. World Kindness Day presents us with the opportunity to reflect upon one of the most important and unifying human principles. On a day devoted to the positive potential of both large and small acts of kindness, try to promote and diffuse this crucial quality that brings people of every kind together.

The NSS and Extra Curricular Committee of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex arranged a Cloth Distribution event to observe World Kindness Day at a nearby slum area.

The students, faculty members and other members of SurTech participated enthusiastically.
They interacted with the people and distributed Winter Cloth materials, Quilt etc. to share kindness to each other.

The students spread the message that Kindness is an act of a human being that comes from within. One behaves with another person irrespective of his or her class, caste and gender, then towards tender animals or living beings with a feeling of warmth, care and affection. Kindness brings positivity within a person. It removes all the negativity. Kindness fills a person's heart with love and compassion.

Name of event	Coordinator	Number of participants
World Kindness Day	Ms. Debasmita Manna	35

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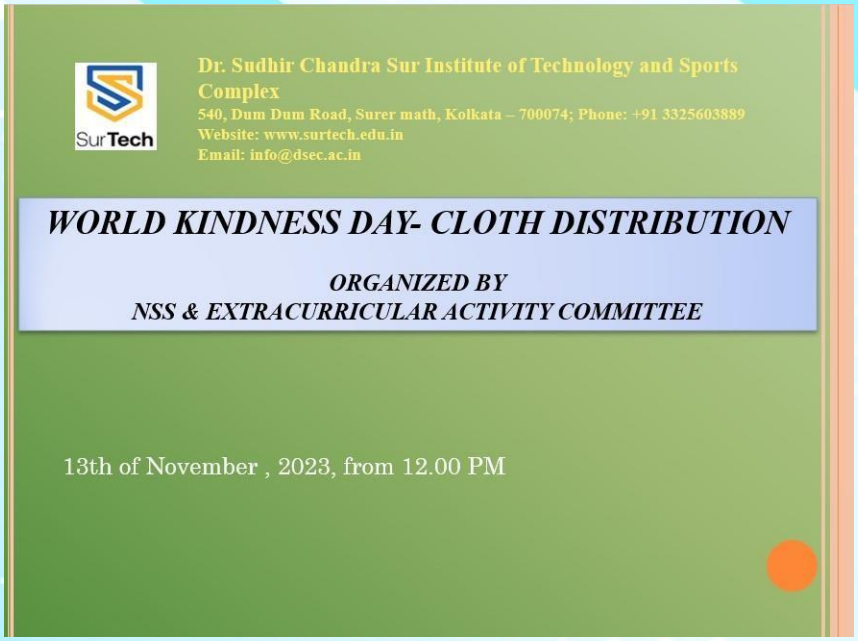

Banner of World Kindness Day Celebration at Dumdum Municipality on 13th November, 2023

Photo of World Kindness Day Celebration at Dumdum Municipal Area on 13th November, 2023

SurTech

Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex

Annual Report on NCC Activities

Academic Year (2023 — 2024)

Message from NCC Co-Ordinator

Mr. Sourav Kumar Singha

Dear Students, Faculty, Staff, and Well-Wishers,

As the NCC Coordinator at Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, I am honored to reflect on another successful year in the National Cadet Corps program. Our NCC unit has consistently promoted discipline, leadership, and a spirit of service among our cadets, equipping them for future challenges while instilling values of patriotism and community involvement.

This year, our cadets engaged in a variety of activities, including training camps, social service projects, and community outreach initiatives. These experiences have not only improved their skills but also deepened their commitment to serving our nation and society. The enthusiasm and dedication shown by our cadets have been truly remarkable, and I take great pride in their accomplishments.

I want to express my heartfelt thanks to the faculty and staff for their steadfast support, which has been crucial in enabling our programs. Your encouragement fosters an environment where our cadets can thrive and reach their potential.

As we look to the future, we are eager to continue our journey, seeking new opportunities for training and community service. Together, we aim to cultivate responsible citizens ready to tackle the challenges of tomorrow.

Thank you for your ongoing support and dedication to the NCC. Here's to another year of growth, service, and camaraderie!

Warm regards,
Sourav Kumar Singha
Assistant Professor, Department of CE

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National Cadet Corps

AIM OF NCC

The 'Aims' of the NCC laid out in 1988 have stood the test of time and continue to meet the requirements expected of it in the current socio–economic scenario of the country. The NCC aims at developing character, comradeship, discipline, a secular outlook, the spirit.

PLEDGE

We the cadets of the National Cadet Corps, do solemnly pledge that we shall always uphold the unity of India.

We resolve to be disciplined and responsible citizens of our nation.

We shall undertake positive community service in the spirit of selflessness and concern for our fellow beings.

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CORE VALUES

The NCC is a responsive, learning, and continuously evolving organization. Its activities are guided by certain **Core Values** that we endeavour to instill among all ranks of the NCC. These include the following:

a. A sense of patriotic commitment to encourage cadets to contribute to national development.

b. Respect for diversities in religion, language, culture, ethnicity, life style and habitat to instill a sense of National unity and social cohesion.

c. Abiding commitment to learn and adhere to the norms and values enshrined in the Indian Constitution.

d. Understanding the value of a just and impartial exercise of authority.

e. Ability to participate in community development and other social programme.

f. A healthy life style free of substance abuse and other unhealthy practices.

g. Sensitivity to the needs of poor and socially disadvantaged fellow citizens.

h. Inculcating habits of restraint and self-awareness.

i. Understanding the values of honesty, truthfulness, self-sacrifice, perseverance and hard work.

j. Respect for knowledge, wisdom and the power of ideas.

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Sl.No	NCC Activities (2023-24)
1	Independence Day 2023
2	Republic Day 2024
3	Intra college SCIENCE EXHIBITION Camp
4	Celebration of National Cadets Corps Day
5	Motivational Speech by Commanding officer 2 (B) Bn NCC at SURTECH
6	Online Mock Test for NCC “B” Examination SURTECH
7	Awareness Rally on Anti Alcoholism, Anti cigarettes & Anti Drugs awareness
8	ANO/CTO Conclave

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Independence Day 2023

Independence Day celebration at **Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex** was marked by the active participation of the **NCC Cadets** under the guidance of the **NCC 2 Bengal Battalion**. The event took place on **15th August 2023** and was a day filled with patriotic fervor, unity, and disciplined activities.

Flag Hoisting and Inaugural Ceremony

The celebration began at 8:00 AM with the **Principal** of the institute, **Respected Principal Sir**, hoisting the national flag. The event was graced by the presence of the **PI (Permanent Instructor) staff from NCC 2 Bengal Battalion**, who were the chief guests for the day. The flag hoisting was followed by the singing of the **National Anthem**, instilling a sense of pride and reverence among all present.

In his inaugural speech, the Principal highlighted the importance of remembering the sacrifices made by the freedom fighters and encouraged the cadets and students to uphold the values of unity, discipline, and patriotism.

Parade by NCC Cadets

The main attraction of the day was the **parade** performed by the NCC cadets, who had been training rigorously for the event. The cadets, both boys and girls, marched with precision and discipline, under the supervision of the PI staff from **NCC 2 Bengal Battalion**. The cadets presented a spectacular display of synchronization, showcasing their skills and commitment to the nation. The PI staff and the Principal took the salute as the cadets marched past with the **National Flag**.

The parade reflected the spirit of the NCC motto, "Unity and Discipline," and left a lasting impression on the audience.

Speech by PI Staff from NCC 2 Bengal Battalion

Following the parade, a senior member of the **PI staff from NCC 2 Bengal Battalion** delivered an inspiring speech. He praised the cadets for their dedication and discipline, emphasizing the significance of being a part of the National Cadet Corps. He also motivated the students to take up responsibilities towards the nation and contribute actively to its progress.

Cultural Program

The celebration continued with a short cultural program organized by the students and cadets. Patriotic songs, dances, and skits were performed, celebrating India’s diversity and its freedom fighters. These performances were well-received by the audience and helped in creating an atmosphere filled with national pride.

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Conclusion

The Independence Day celebration concluded with a vote of thanks delivered by an NCC cadet. The event was a grand success, with the participation of the **NCC Cadets**, **PI staff from NCC 2 Bengal Battalion**, and the **Principal** making it a memorable occasion. The cadets' discipline, energy, and patriotism were evident throughout the celebration, showcasing their readiness to serve the nation and uphold its values.

The day ended with everyone singing **Vande Mataram**, and the gathering left with a renewed sense of patriotism and responsibility towards the country.

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Republic Day 2024

The **Republic Day 2024** celebration at **Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex** was conducted with great enthusiasm and a sense of national pride on **26th January 2024**. The event saw active participation from the institute's **NCC Cadets** and was graced by the presence of the **PI Staff from NCC 2 Bengal Battalion** and the **Respected Principal Sir**.

Flag Hoisting Ceremony

The celebration began at 8:00 AM with the **Principal** hoisting the national flag, accompanied by the cadets, faculty, and students. The flag hoisting was followed by the singing of the **National Anthem**, instilling a sense of unity and patriotism among all attendees. The Principal, in his opening speech, reminded the gathering of the significance of **Republic Day**—the day when the **Constitution of India** came into force—and highlighted the role of the youth in upholding the ideals of democracy, justice, and equality.

Parade by NCC Cadets

The most awaited part of the event was the **Parade** by the NCC cadets, under the supervision of the **PI staff from NCC 2 Bengal Battalion**. The cadets, dressed in their smart uniforms, marched with perfect coordination and precision. The PI staff and the Principal reviewed the parade, taking the salute as the cadets proudly carried the **National Flag**.

The parade was a true demonstration of the cadets' discipline, teamwork, and dedication, reflecting the core values of the NCC. The PI staff from NCC 2 Bengal Battalion praised the cadets for their exceptional performance and the hard work that went into preparing for the event.

Speech by PI Staff from NCC 2 Bengal Battalion

Following the parade, a senior member of the **PI staff from NCC 2 Bengal Battalion** addressed the gathering. In his speech, he emphasized the importance of national service and the role of the **National Cadet Corps** in shaping responsible and disciplined citizens. He lauded the cadets for their efforts and encouraged them to continue working with the same passion for the country. He also spoke about the significance of Republic Day and the importance of upholding the Constitution of India.

Cultural Program

After the parade, the event continued with a short **cultural program** organized by the students and cadets. Patriotic songs, dances, and skits were performed, showcasing India’s rich cultural heritage and the values of freedom, equality, and justice. The performances were well-received and further enriched the spirit of the occasion.

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Conclusion

The **Republic Day 2024** celebration at Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex was a grand success, leaving a lasting impression on everyone who participated. The event not only celebrated India's Republic Day but also reinforced the values of discipline, unity, and service among the NCC cadets. The involvement of the **PI staff from NCC 2 Bengal Battalion** and the presence of the **Respected Principal Sir** added great significance to the occasion.

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REPORT OF SCIENCE EXHIBITION

Event Overview

An intra-college science exhibition camp was organized by Fort William, Eastern Command Headquarters through the National Cadet Corps (NCC) on September 29, 2023. The theme of the exhibition was **"Waste to Wealth,"** which focused on innovative uses of waste materials that could potentially generate income.

Guidance and Participation

The exhibition was guided by **Sourav Kumar Singha**, (CTO) of SurTech. The following attendees represented SurTech:

> Sweti Yadav (Briefing & Team Leader), Hridya Banerjee (Briefing), Sayandip Saha Subhayu Barua, Tiyasha Ghosh, Simran Kumari Singh, Saptarshi Pal, Rohit Karmakar, Anish Kumar Baitha, Arijit Kayal

Project Description

The project developed by SurTech was aligned with the **"Swachhata Abhiyan"** initiative. The main objective was to demonstrate a method to illuminate damaged fluorescent lamps using a **Tesla coil**.

Materials Used
The project creatively repurposed various waste materials, which included:

- Pipe
- Wire
- Cardboard
- Paper
- Lights

Advantages and Applications

The key benefits of this project include:

- **Reusability**: The approach promotes the re-use of waste CFL (Compact Fluorescent Lamp) bulbs and other materials, thus contributing to waste management.
- **Illumination**: The system can provide illumination in areas lacking electricity.
- **Reduced Complexity**: The wireless nature of the project minimizes wiring complications, leading to lower maintenance requirements.

Conclusion

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The exhibition highlighted innovative solutions for converting waste into valuable resources, encouraging sustainability and creativity among students. The project on utilizing Tesla coils to light up damaged fluorescent lamps exemplified practical applications of science and technology in addressing environmental issues.

Some Snaps of the moment

PROJECT MODEL

AT FORT WILLIAM NCC CLUB HOUSE

PROJECT DEMONSTRATION BY SURTECH STUDENTS (NCC/SD)

SurTech Students with Training JCO

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Celebration of National Cadets Corps Day

On **24th December 2023**, the cadets of **Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (SURTECH)**, in collaboration with the **2nd Bengal Battalion (2B BN) NCC**, celebrated **National Cadet Corps (NCC) Day** with a series of activities and a special demonstration of military tactics. The event aimed to highlight the discipline, training, and preparedness of NCC cadets, who represent the future pillars of the Indian armed forces.

Section Battle Drill Demonstration

The highlight of the celebration was the **Section Battle Drill** performed by the NCC cadets. This drill was designed to showcase how the **Indian Army** effectively responds to an enemy attack under combat conditions. The cadets, drawing from their rigorous NCC training, recreated a battlefield scenario to demonstrate how Indian soldiers fight to defend their positions and repel enemy advances.

Scenario: Enemy Attack and Defensive Measures

The scenario depicted during the drill simulated a situation where an enemy force attempts to capture the cadets' position. The cadets were divided into two teams, each representing a critical tactical element in any real-life military operation:

1. **Supporting Team**:
    - This team was responsible for providing cover fire and support to the **Asal Group** (assault team).
    - Their primary task was to suppress the enemy's firepower and disorient the enemy forces by continuously engaging them from a distance.
    - They used mock weapons and tactics to mimic the use of heavy guns, machine guns, and grenades to simulate battlefield conditions.
2. **Asal Group (Assault Group)**:
    - This team was the primary **attack unit** in the operation. While the Supporting Team provided cover, the **Asal Group** advanced toward the enemy position to engage and neutralize the threat.
    - The cadets demonstrated swift and strategic movements, showcasing how the army divides its troops to overwhelm the enemy and secure the target.

Purpose of the Drill

The **Section Battle Drill** was not only a powerful visual demonstration of military tactics but also served several key educational purposes:

- **Team Coordination**: The drill showcased how the army relies on precise coordination between different teams (Supporting and Assault) to execute complex maneuvers on the battlefield.

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- **Strategic Planning**: The demonstration highlighted the importance of tactical planning in combat situations, showing how careful division of troops into **support** and **attack** roles maximizes effectiveness.
- **Quick Decision-Making**: The cadets had to make quick decisions based on changing battlefield conditions, reflecting the real-time adaptability required in combat scenarios.

Impact and Learning for Cadets

The performance of this drill provided the NCC cadets with valuable hands-on experience in **military strategy, teamwork, and leadership**. It reinforced the key elements of **combat readiness** that are central to their training, preparing them to serve the nation in times of need.

For the audience, including faculty, students, and guests, the Section Battle Drill offered a glimpse into the operations of the **Indian Army** and the crucial role of **NCC training** in shaping disciplined, resilient, and prepared citizens.

Conclusion

The celebration of **NCC Day** on **24th December 2023** at SURTECH was a resounding success, with the cadets showcasing their skills and dedication through the **Section Battle Drill**. This event not only honored the values of the **National Cadet Corps** but also emphasized the importance of defense preparedness and teamwork in protecting the nation. The demonstration left a strong impression on everyone present, underlining the pivotal role of the NCC in grooming future leaders and defenders of India.

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Motivational Speech by Commanding officer 2 (B) Bn NCC at SURTECH

On February 1, 2024, the Commanding Officer of 2 (B) Bn National Cadet Corps (NCC) undertook a visit to the Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex with the aim of motivating the students about the National Cadet Corps. The visit was organized to foster a spirit of patriotism, discipline, and leadership among the youth, and to encourage their participation in the NCC.

The visit commenced with a formal welcome extended to the Commanding Officer by the college authorities, faculty members, and NCC cadets. A brief introduction session followed, where the Commanding Officer shared insights into the objectives and significance of the National Cadet Corps in shaping the character and career of young individuals. Emphasizing the values of discipline, teamwork, and service to the nation, the Commanding Officer underscored the role of NCC in fostering holistic development among the youth.

Subsequently, an interactive session was conducted wherein the Commanding Officer engaged with the students, addressing their queries and concerns regarding NCC participation, training modules, and career opportunities. Real-life anecdotes and success stories of NCC cadets were shared to inspire and motivate the students to actively consider joining the organization.

To provide a practical glimpse into the activities of NCC, a demonstration of drill exercises and basic military training was organized. The students had the opportunity to witness firsthand the precision, coordination, and discipline instilled through NCC training. This practical demonstration served to pique the interest of the students and showcase the various facets of NCC beyond theoretical discussions.

Furthermore, the Commanding Officer highlighted the avenues for personal and professional growth offered by NCC, including opportunities for higher education, career advancement, and community service. Special emphasis was placed on the significance of NCC inculcating leadership qualities and instilling a sense of responsibility towards society and the nation at large.

In conclusion, the visit of the Commanding Officer of 2 (B) Bn NCC to the Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex proved to be a highly informative and inspiring session for the students. It succeeded in kindling their interest in NCC and encouraged them to consider active participation in the organization.

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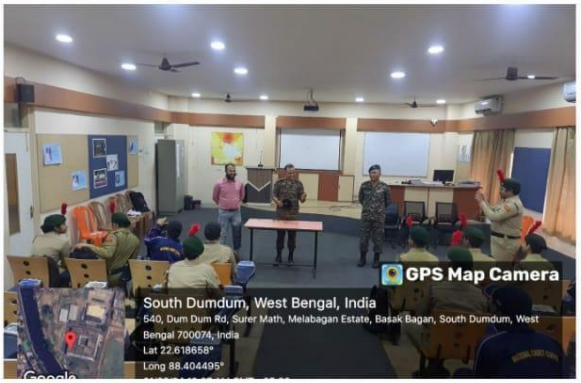

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Online Mock Test for NCC “B” Examination SURTECH

On **4th February 2024**, **Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (SURTECH)** organized an **Online Mock Test** for the **NCC "B" Certificate Examination**. This initiative aimed at preparing the NCC cadets for their upcoming "B" Certificate exam, helping them gain confidence and assess their readiness for the actual test.

Objective of the Mock Test

The primary objective of the **Online Mock Test** was to provide cadets with a simulated environment similar to the actual **NCC "B" Certificate Examination**, allowing them to:

- Familiarize themselves with the exam pattern.
- Practice time management.
- Evaluate their understanding of key concepts covered in the NCC curriculum.
- Identify their strengths and areas that need improvement.

Key Details of the Mock Test

- **Date**: 4th February 2024
- **Mode**: Online
- **Participants**: NCC cadets from SURTECH preparing for the "B" Certificate Examination.
- **Subjects Covered**: The mock test included questions from topics covered in the **NCC syllabus**, such as:
    - Drill and parade commands
    - National integration and awareness
    - Weapon training
    - Map reading
    - Disaster management
    - Social service and community development
    - Health and hygiene
    - NCC organization and its role

Benefits for Cadets

1. **Exam Simulation**: The online mock test provided an opportunity for cadets to experience the examination conditions, including time constraints and the format of the actual exam.
2. **Self-Assessment**: Cadets were able to assess their preparedness for the exam through immediate feedback and score analysis. They could identify which subjects required more focus and revision.
3. **Confidence Building**: By taking the mock test, cadets gained familiarity with the exam process, helping reduce anxiety and boost their confidence for the final **NCC "B" Certificate Examination**.

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4. **Skill Enhancement**: The mock test allowed cadets to improve their time management, accuracy, and problem-solving skills in the context of the examination.

Conclusion

The **Online Mock Test for the NCC "B" Certificate Examination** organized by SURTECH on 4th February 2024 was a proactive initiative that offered cadets a structured way to prepare for their certification. Through this mock test, the cadets were better equipped with the knowledge, confidence, and exam-taking strategies necessary to excel in the **NCC "B" Certificate Examination**. The success of this event showcased the institute's commitment to supporting its NCC cadets in achieving their academic and personal growth goals within the NCC program.

2 (B) Bn NCC conducted a mock test for the'B' and 'C' certificate exam as on 04 Feb 2024.

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Awareness Rally on Anti Alcoholism, Anti cigarettes & Anti Drugs awareness

On **21st February 2024**, an awareness rally was organized by the **2nd Bengal Battalion NCC Kolkata** to address the critical social issues of **Anti-Alcoholism, Anti-Cigarette Smoking, and Anti-Drug Abuse**. The rally aimed to spread awareness about the harmful effects of these addictions on individuals, families, and society at large. The event saw enthusiastic participation from the **NCC cadets of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (SurTech)**, who contributed to the cause with dedication and zeal.

Rally Theme and Objective

The theme of the rally, "**Anti-Alcoholism, Anti-Cigarettes & Anti-Drugs Awareness Programme**," was chosen to emphasize the growing concern over substance abuse and its detrimental impact on public health, particularly among the youth. The rally aimed to raise awareness about these issues and encourage people to adopt a healthier, addiction-free lifestyle.

Rally Route and Location

The rally took place in the scenic surroundings of **Kolkata**, starting from the historic **Princep Ghat** and concluding at **Babu Ghat**, both iconic landmarks of the city. The route, which stretched along the **Hooghly River**, provided a perfect backdrop for the cadets to engage with the public and communicate the message of the campaign.

Participation

The rally witnessed active participation from a large contingent of NCC personnel, including:

- **01 Officer** from the **2nd Bengal Battalion NCC**
- **02 Junior Commissioned Officers (JCOs)**
- **04 Non-Commissioned Officers (NCOs)**
- **62 NCC Cadets**, with a significant number of them representing **SurTech**.

The cadets, dressed in their NCC uniforms, carried banners, placards, and posters highlighting the dangers of alcohol, tobacco, and drug use. They marched in perfect sync, raising slogans and distributing pamphlets to spread the message to onlookers, pedestrians, and commuters along the rally route.

Rally Highlights

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- **Slogans and Posters**: The cadets prepared a variety of creative slogans and eye-catching posters to raise awareness. The slogans were powerful and emphasized the benefits of staying away from alcohol, cigarettes, and drugs.
    - Slogans like "**Say No to Drugs, Say Yes to Life**" and "**Alcohol and Tobacco: Short-Term Thrills, Long-Term Ills**" echoed throughout the rally.
    - The posters visually depicted the consequences of addiction, encouraging people to make informed and responsible choices.
- **Public Interaction**: As the cadets marched from **Princep Ghat to Babu Ghat**, they interacted with the public, explaining the harmful effects of substance abuse and sharing preventive measures. This interaction helped raise awareness among diverse sections of society, including local vendors, tourists, and passersby.
- **NCC Leadership and Motivation**: The Officer and JCOs from the **2nd Bengal Battalion** played a key role in guiding the cadets and ensuring the smooth execution of the rally. Their presence and leadership motivated the cadets to put forth their best efforts.
- **Public Response**: The public responded positively to the rally, with many stopping to listen to the cadets' messages and show their support. Some even joined in for brief portions of the rally, demonstrating solidarity with the cause.

Conclusion

The **Anti-Alcoholism, Anti-Cigarettes & Anti-Drugs Awareness Rally** organized by the **2nd Bengal Battalion NCC Kolkata** on **21st February 2024** was a significant step towards promoting a healthier, addiction-free society. The participation of **SurTech cadets**, along with the leadership of NCC officers, made the rally a success. The cadets' enthusiasm, discipline, and commitment to the cause were commendable, and their efforts undoubtedly contributed to spreading the message of healthy living.

This event not only helped raise awareness about the dangers of alcohol, tobacco, and drug use but also empowered the youth to take a stand against these harmful substances and inspire others to do the same.

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ANO/CTO Conclave

The ANO Conclave was organized at NCC Club House on April 18 & 19, 2024. The event witnessed the participation of Armed Forces Officers, Associate NCC Officers, PI Staff, and Office Staff of various units. Group Commander, Brigadier Sir addressed the gathering, emphasizing on the importance of regular NCC institutional activities.

Caretaker Officer Mr. Sourav Kumar SINGHA from the Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex was also present at the conclave. This conclave served as a platform for discussions and strategic planning to enhance the effectiveness of NCC initiatives.

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ANNUALACTIVITIES OF STUDENTS' CLUBS

2023-2024

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Index

Sl. No	Content
1	Formation of The Clubs
2	List of Clubs
3	Member List of Clubs
4	Science and Technology Club
5	Robotics Club
6	Nirman Club
7	Mathematics Club
8	Coding Club
9	Art and Craft Designing Club
10	Photography Club
11	Cultural Club (Dance, Music and Singing)
12	Quiz and Debate Club
13	Documentary and Drama Club
14	Biosystems and Environmental Club
15	(Community Connect) NSS Club
16	Literary Club
17	Yoga and Meditation Club
18	Sports Club

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
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Formation of the Clubs of

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

The Student Clubs at Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex are established to provide a structured platform for students to pursue their interests, develop skills, and contribute to the campus community. The formation of these clubs is overseen by the faculties to ensure alignment with the Institute's values and objectives. A group of faculties and students constitute a club that focuses on a specific area such as academics, culture, sports, or social service.

The significance of student clubs lies in their role in fostering a vibrant campus life, promoting leadership and teamwork, and enhancing students' overall educational experience. Through active participation in clubs and with the help of the faculties, students gain practical experience, build networks, and develop a sense of responsibility and belonging, all of which are essential for personal and professional growth.

These clubs also play a crucial role in extending the Institute’s involvement to the broader community, thereby reinforcing the values of civic engagement and service.

Purpose

1. To act as the official forum for students and faculties to discuss and address student activities, concerns, and opinions related to the Institute.

2. To ensure that student clubs are self-sufficient in ideation and implementation of various events, service projects, and other student-led initiatives.

3. To provide opportunities for students to develop leadership, communication, and organizational skills through active participation in club activities and decision-making processes.

4. To motivate and support students in achieving academic success while promoting involvement in extracurricular activities that contribute to their holistic development.

5. To extend the involvement of students in community and parish activities, fostering innovation, entrepreneurial ventures, civic responsibility and strengthening ties between the faculties and students as well as Institute and the broader community.

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Qualification and Responsibilities of Convenor

1. Faculties of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex are supposed to hold the position of the convener of different clubs.

2. The convenor is responsible for the overall administration and management of their respective club, including planning, organizing, and executing club activities in alignment with the goals and objectives of the Council and the Institute.

3. The convenor is responsible for selecting club members.

Qualification and Duties of Members

1. Members must be registered as a student or as a faculty and staff at Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex.

2. Members must be selected by the convenor of the club and that needs to be approved by the HOI.

3. Members must adhere to the Institute's code of conduct, displaying behaviour that reflects positively on the club and the institution.

4. Members are responsible for contributing ideas, skills, and efforts towards the planning and execution of club projects.

5. Members are expected to regularly attend and actively participate in club meetings, events, and activities, contributing to the club's goals and initiatives.

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List of Clubs:

Sl	Name of the Clubs	Objectives
1.	Science and Technology Club	To aware students about the recent development in Science and Technology over the world. To make the students inclined for the Science Affairs through various events such as Science Exhibition, Science Magazine.
2.	Robotics Club	To apply engineering concepts through robot building and programming. To enhance critical thinking by tackling robotics challenges. To inspire innovation through unique robotic projects. To foster collaboration on complex projects. To equip members with skills for future careers in robotics and technology
3	Nirman Club	To enhance students' knowledge and practical skills in civil engineering and construction through workshops, seminars, and hands-on projects. To encourage innovation and creativity in construction techniques and sustainable practices, motivating students to explore new ideas and solutions. To provide opportunities for students to engage with industry professionals, gain insights into the latest trends and technologies, and prepare for their future careers. To organize and support various construction-related projects and competitions, allowing students to apply theoretical knowledge in practical settings
4	Mathematics Club	To explore mathematics beyond textbooks and apply it in day-to-day situation To develop critical thinking and logical reasoning powers among the students. To develop co-operative spirit in group learning. To inculcate feeling of discovery and development.
5.	Coding Club	To develop members' coding abilities through practice and projects. To improve logical thinking by tackling coding challenges. To promote creativity in developing software and apps. To encourage teamwork on coding projects and hackathons. To equip members with skills for careers in software development and technology.
6.	Art and Craft Designing Club	To encourage students to explore their artistic talents and foster creativity in engineering students. To Provide opportunities for members to develop and refine their art and craft skill To create a sense of community and camaraderie among students with a shared interest in art and craft. To foster collaboration among members on various artistic projects and initiatives. To promote exposure to different art forms and styles to broaden artistic horizons. To organize art exhibitions, craft fairs, and workshops to showcase members' work and share it with the college community.

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7.	Photography Club	To enhance members' technical skills in photography, including composition, lighting, and editing. To provide a platform for members to express their creativity through photography. To teach the art of telling compelling stories through images. To encourage teamwork and idea-sharing among members through group projects and photo walks. To help members create a diverse portfolio of their work for personal and professional use.
8.	Cultural Club	To foster a vibrant and inclusive community by promoting cultural awareness, creativity, and expression among students and faculty. To celebrate diversity through various cultural activities, events, and performances that highlight the richness of different traditions, arts, and heritage. To enhance interpersonal skills, teamwork, and mutual respect, contributing to the holistic development of its members and the broader campus community.
9.	Quiz and Debate Club	To develop participants' ability to analyze and evaluate issues from multiple perspectives. To encourage communication and public speaking skills essential for academic and professional success. To promote teamwork and shared knowledge among students and teachers. To inspire a spirit of healthy competition through regular quizzes and debates. To broaden participants' understanding of diverse subjects and current events.
10.	Documentary and Drama Club	To raise awareness about important social and environmental issues through documentary screenings and discussions. To develop effective communication skills among members through acting, public speaking, and scriptwriting. To provide a platform for students to showcase their acting, directing, and filmmaking talents to the school and the community. Encourage critical thinking and analysis by examining the themes, messages, and techniques used in documentaries and dramas.
11	Biosystem and Environment Engineering Club	To Increase understanding of environmental issues and the importance of ecological balance. To encourage community participation in local and global environmental initiatives. To advocate for and participate in conservation projects to protect natural habitats and species. To provide learning experiences through workshops, lectures, and field trips on biosystems and ecology. To support and promote research in ecological and environmental sciences.

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12.	Community Connect (NSS) Club	To encourage active participation in community service. To build leadership skills through social initiatives. To foster understanding and compassion for diverse communities. To inspire a commitment to volunteer work. To raise awareness of social issues and challenges.
13.	Literary Club	To unleash the creative potential of students and help them to come up with creative ideas. To engage them in different verbal and non-verbal activities adhering to the characteristics of the club. To develop their ideas and shape them into words or images showcasing their talents in different dimensions. To prepare the students for a clear and rational demonstration of their ideas while participating in interactive sessions. To involve students in different literary activities such as speech, debate, recitation, several forms of writing, art, sketch and painting.
14.	Yoga and Meditation Club	To Improve overall physical health and fitness through regular yoga practice, enhancing flexibility, strength, and balance. To Foster mental clarity and focus by integrating meditation practices that help reduce stress, anxiety, and mental fatigue. To Support emotional well-being by creating a space where members can explore and manage their emotions in a constructive way. To Create a supportive community where members can share their experiences, challenges, and progress, fostering a sense of belonging and mutual encouragement.
15.	Sports Club	To provide a diverse programme of sporting activities throughout the academic session. To encourage every student's cooperation, harmony in order to create a physically stimulating environment. To nurture a healthy lifestyle and teamwork, as well as self-discipline and control. The aim is to develop a positive mindset, courage, patience, self-assurance, sportsmanship and friendships among the students.

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Member List of Clubs 2023-2024

• Science and Technology Club

Sl No	Name	Designation	Department
1.	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Dr Biswabondhu Chatterjee	Faculty, Convenor	Department of CE
3	Mr. Anjan Kumar Payra	Faculty Member	Department of CSE
4	Mr. Baibaswata Das	Faculty Member	Department of CE
5	Ms. Geetika kumari Salwan	Faculty Member	Department of ME
6	Mr. Arindam Mukherjee	Faculty Member	Department of AUE
7	Ms Ananya Banerjee	Faculty Member	Department of ECE
8	Debashmita manna	Faculty Member	Department of ECE
9	Mr. Prathita Roy	Faculty Member	Department of EE
10	Mrs. Rumrum Banerjee	Faculty Member	Department of EE
11	Alakananda tamang	Student Member	Department of CE
12	Hirak Mukherjee	Student Member	Department of AUE
13	Dwaipayan Bhowmik	Student Member	Department of CSE

• Robotics Club

Sl No	Name	Designation	Department
1.	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Dr. Ruma Sen	Faculty, Convenor	Department of ME
3	Mr. Pritam Bhattacharjee	Faculty Member	Department of AUE
4	Mr. Anirbit Sengupta	Faculty Member	Department of ECE
5	Banti Mondal	Student Member	Department of CSE
6	Ishika Das	Student Member	Department of CSE
7	Jyoti kumari Ram	Student Member	Department of CSE
8	Shrestha Poddar	Student Member	Department of ECE

• Nirman Club

Sl No	Name	Designation	Department
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Krishnendu Kundu	Faculty, Convenor	Department of CE
3	Subhasish Halder	Faculty Member	Department of ME
4	Sankha Ghosh	Faculty Member	Department of AUE
5	Sourav Kumar Singha	Faculty Member	Department of CE
6	Sampad Narayan Dutta	Student Member	Department of CE
7	Arghya Mondal	Student Member	Department of AUE

• Mathematics Club

Sl No	Name	Designation	Department

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1.	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2.	Ms. Pallabi Bose	Faculty, Convenor	Department of BSH
3.	Ms. Ritam Bhattacharjee	Faculty Member	Department of BSH
4.	Mr. Arindam Mukherjee	Faculty Member	Department of AUE
5.	Ms. Rinku Supakar	Faculty Member	Department of CSE
6.	Ms. Ananya Banerjee	Faculty Member	Department of ECE
7.	Ms. Rumrum Banerjee	Faculty Member	Department of EE
8.	Mr. Krishnendu Kundu	Faculty Member	Department of CE
9.	Ms. Geetika Kumari Salwan	Faculty Member	Department of ME
10.	Ms. Ronita Karmakar	Student Member	Department of CSE
11.	Ms. Piyasa Roy	Student Member	Department of EE
12.	Mr. Saikat Manna	Student Member	Department of ME
13.	Ms. Diya Poddar	Student Member	Department of ECE
14.	Mr. Aniket Jana	Student Member	Department of CE

- **Coding Club**

Sl No	Name	Designation	Department
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Anjan Kr Payra	Faculty, Convenor	Department of CSE
3	Dr. Himadri Biswas	Faculty Member	Department of CSE
4	Madhusmita Mishra	Faculty Member	Department of CSE
5	Rinku Supakar	Faculty Member	Department of CSE
6	Subhanjan Dutta	Student Member	Department of CSE
7	Smaranika Mondal	Student Member	Department of CSE
8	Sayantan Choudhury	Student Member	Department of CSE
9	Tanmoy Ganguly	Student Member	Department of CSE
10	Sugato Bagchi	Student Member	Department of CSE
11	Aishee Bhattacharya	Student Member	Department of CSE

- **Art and Craft Designing Club**

Sl No	Name	Designation	
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Sourav Kumar Singha	Faculty, Convenor	Department of CE
3	Kalyan Mukherjee	Faculty Member	Department of AUE
4	Ms. Pallabi Bose	Faculty Member	Department of BSH
5	Ms. Debasmita Roy Chowdhury	Faculty Member	Department of BSH
6	Sajal Mondal	Student Member	Student, AUE

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7	Akash Chatterjee	Student Member	Student, CSE
8	Anushka Maity	Student Member	Department of ECE
9	Soham Chatterjee	Student Member	Department of CE

- **Photography Club**

Sl No	Name	Designation	Department
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Dr. Sayantan Chakraborty	Faculty, Convenor	Department of EE
3	Shankha Ghosh	Faculty Member	Department of AUE
4	Nibedita Biswas	Faculty Member	Department of BSH
5	Abhinandan Saha	Student Member	Department of CSE
6	Debayan Maiti	Student Member	Department of CSE
7	Shreyasi Kundu	Student Member	Department of CSE
8	Ayan Datta	Student Member	Department of CSE

- **Cultural Club**

Sl No	Name	Designation	Department
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Mr. Arindam Mukherjee,	Faculty, Convenor	Department of AUE
3	Ms. Ananya Banerjee	Faculty Member	Department of ECE
4	Ms. Debdatta Chatterjee	Faculty Member	Department of CSE
5	Ms. Rumrum Banerjee	Faculty Member	Department of EE
6	Ms. Debasmita Roy Chowdhury	Faculty Member	Department of BSH
7	Ms. Nibedita Biswas	Faculty Member	Department of BSH
8	Aunisha Patra	Student Member	Department of CSE
9	Aniket Bhattacharya	Student Member	Department of AUE
10	Ujan De	Student Member	Department of CSE
11	Prohit Sil	Student Member	Department of CSE

- **Quiz and Debate Club**

Sl No	Name	Designation	Department
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Souvik Chakraborty	Faculty, Convenor	Department of CE
3	Arindam Mukhopadhay	Faculty Member	Department of AUE
4	Madhusmita Misra	Faculty Member	Department of CSE
5	Pallabi Bose	Faculty Member	Department of BSH
6	Subhasish Halder	Faculty Member	Department of ME
7	Sufia Ahmed Ansari	Student Member	Department of CSE
8	Prohit Sil	Student Member	Department of CSE

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- **Documentary and Drama Club**

Sl No	Name	Designation	Department
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Debasmita Roy Chowdhury	Faculty, Convener	Department of BSH
3	Dr. Rinku Supakar	Faculty Member	Department of CSE
4	Dr. Abhigyan Ganguly	Faculty Member	Department of ECE
5	Arindam Mukherjee	Faculty Member	Department of AUE
6	Prohit Sil	Student Member	Department of CSE
8	Aunisha Patra	Student Member	Department of CSE
9	Ujan De	Student Member	Department of CSE
10	Sumit Mondal	Student Member	Department of CSE
11	Sajal Mondal	Student Member	Department of AUE

- **Biosystem and Environment Engineering Club**

Sl No	Name	Designation	Department
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Mr. Souvik Chakraborty	Faculty, Convenor	Department of CE
3	Ms. Debasmita Manna	Faculty Member	Department of ECE
4	Mr. Kalyan Mukherjee	Faculty Member	Department of AUE
5	Ms. Rumrum Banerjee	Faculty Member	Department of EE
6	Sufia Ahmed Ansari	Student Member	Department of CSE
7	Prohit Sil	Student Member	Department of CSE

- **Community Connect (NSS) Club**

Sl No	Name	Designation	Department
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Ms. Debasmita Manna	Faculty, Convenor	Department of ECE
3	Mr. Anjan Kumar Pyra	Faculty Member	Department of CSE
4	Mr. Krishnendu Kundu	Faculty Member	Department of ECE
5	Mr. Sankha Ghosh	Faculty Member	Department of AUE
6	Dr. Ruma Sen	Faculty Member	Department of ME
7	Debanjali De	Student Member	Department of ECE
8	Rajdeepta Dey	Student Member	Department of CE
9	Amartya Debnath	Student Member	Department of ME
10	Irfan Mallick	Student Member	Department of ECE
11	Sneha Das	Student Member	Department of CSE

- **Literary Club**

Sl No	Name	Designation	

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1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Ms. Nibedita Biswas	Faculty, Convenor	Department of BSH
3	Ms. Debasmita Roy Chowdhury	Member	Department of BSH
4	Ms. Ananya Banerjee	Faculty Member	Department of ECE
5	Mr. Prathita Roy	Faculty Member	Department of EE
6	Mr. Arindam Mukherjee	Faculty Member	Department of AUE
7	Ms. Bidisha Dobe	Faculty Member	Department of ECE
8	Mr. Shankha Ghosh	Faculty Member	Department of AUE
9	Prithivi Ghosh	Student Member	Department of AUE
10	Soumita Dasgupta	Student Member	Department of CSE
11	Sudipa Roy	Student Member	Department of CE

- **Yoga and Meditation Club**

Sl No	Name	Designation	
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Pritam Bhattacharjee	Faculty, Convenor	Department of AUE
3	Sourav Kumar Singha	Faculty Member	Department of CE
4	Nibedita Biswas	Faculty Member	Department of BSH
5	Firojuddin Sk	Faculty Member	Department of ECE
6	Unmesh Dutta	Student Member	Department of EE
7	Rajat Naskar	Student Member	Department of AUE

- **Sports Club**

Sl No	Name	Designation	
1	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Mr. Prathita Roy	Faculty, Convenor	Department of EE
4	Mr. Subhasish Halder	Faculty Member	Department of ME
5	Mr. Kalyan Mukherjee	Faculty Member	Department of AUE
6	Mr. Souvik Chakraborty	Faculty Member	Department of CE
7	Mr. Vivek Shaw	Faculty Member	Department of BSH
8	Mr. Arindam Mukherjee	Faculty Member	Department of AUE
9	Mr. Abhishek Roy	Student Member	Department of CSE
10	Mr. Joy Das	Student Member	Department of EE
11	Ms. Muskan Kumari	Student Member	Department of CE
12	Ms. Swati Jha	Student Member	Department of CSE
13	Mr. Amit Saha	Student Member	Department of AUE

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Science and Technology Club

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Workshop on PLC Programming

Date: 21.09.2023
Venue: Ardent Computech Pvt. Ltd.
Objective: To expose the students to the real-life work environment in the field of IoT.

Department of Electronics and Communication Engineering in Association with Science and technology Club of Dr. Sudhir Chandra Sur Institute of Tech. and Sports Complex organized the Industry Visit at, Kolkata for 3rd Year and 4th year B. Tech ECE students on 21.09.2023 to Ardent Computech Pvt. Ltd., Kolkata. The initiative to organize this Industry Visit was taken with an aim of exposing the students to the real-life work environment in the field of IoT, machine learning, and industry4.0.

The students were guided by Prof. (Dr.) Rajmohan De Sarkar, of Ardent Computech Pvt. Ltd. to the industry for the technical visit. The experts of the industry discussed and showcased various industrial topics, such as, IoT, machine learning, and industry 4.0, and elaborated the working principle which provided them with a hands-on experience of working instruments. The students took active interest in this visit and all 40 students visited the industry accompanied with Mr. Somnath Dasgupta and Mayukh Bairagi of the dept. of ECE, SurTech.

Glimpse for your reference.

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Date:15.01.24-13.01.24
Venue: College Camous and Online Platform
No of Participants: 98
Objective: To learn and update knowledge on Modern and Innovative Tools in Engineering Education

Science and Technology club of DSCSITSC has successfully organized a Five Day FDP on Modern and Innovative Tools in Engineering Education from 15.01.2024 to 19.01.2024 in hybrid mode.
The FDP encourages participants in higher education to be outward looking in their search of opportunities to enhance the attractiveness of engineering, it makes a particular emphasis of challenging them to look inward – to scrutinise the education offerings provided by their universities and colleges and to examine if the curricula and pedagogies are fit for purpose in the 21st century. This need not necessarily be a revolution, but an evolution through a critical and holistic review of the main questions faced as well as some of the innovative solutions that can be brought to engineering education and lifelong learning. At the core of this transformation are necessary changes to the way we conceptualise engineering education and practice considering the main challenges faced.
98 Participants were registered in this FDP, among them 82 Faculties, 12 are Research Scholar, 2 master's Student and 2 Industry and other resource persons.
Eminent speakers attended from national and foreign institutes delivered talks such as:

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Prof. (Dr.) Jyotsna Kumar Mandal
Ex-VC Raiganj University, Professor, Department of CSE, University of Kalyani, Ex-Chairman, IETE Kolkata Center
Topic: Security and Authentication in Public Domain
Dr. Debarati Dey Roy
Assistant Professor in the department of Electronics & Communication Engineering at B. P. Poddar Institute of Management & Technology, Kolkata
Topic: Bio inspired molecular devices: A new era towards quantum computing
Speaker: Dr. Arindam Biswas
Associate Professor, Centre of IoT and AI Integration Education, Industry and Agriculture Mining Engineering, School of Mines and Metallurgy & Head (Addl. Charge), Department of Computer Science Engineering Kazi Nazrul University (Govt. of West Bengal)
Topic: Bio inspired molecular devices: A new era towards quantum computing
Speaker: Mr. Niladri Roy
Product Delivery Lead and Enterprise Architect in TCS developed product named TCUP (TCS Connected Universe Platform), end-to-end enterprise-grade, cloud agnostic, containerized platform from edge to Analytics
Topic: DevSecOps
Speaker: Mr. Snehasis Banerjee
Lead Scientist, TCS Research, Tata Consultancy Services
Topic: Object Goal Navigation in Embodied AI
Speaker: Dr. Md Azharuddin
Assistant Professor in the department of Computer Science and Engineering, Aliah University, Kolkata
Topic: Recent trends and Future Challenges in Fog computing

The Valedictory Session of the FDP was organized at SurTech auditorium. The chief guest of the event was honourable Chairman of IETE Kolkata Center, Prof.(Dr.) Debashis De, Professor in the Department of Computer Science and Engineering, MAKAUT, Dr. Abhijit Das, Associate Professor in the Department of Information Technology, RCCIIT and Dr. Anirudhdha Nag, Secretary IETE, Kolkata, Ex-Chairman of Computer Society of India, Ex-Treasurer IETE and Prof.(Dr.) Prof. (Dr.) Saradindu Panda, Principal, Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, JIS Group
The challenge is to identify new ways to attract the participants beyond those who have traditionally been drawn to engineering and, in the process, counter the conventional, but unhelpful, wisdom that all students need high levels of modern tools to successfully study engineering.
Participants got benefited after a detailed discussion on various research aspects and exposure to various tools related to research.

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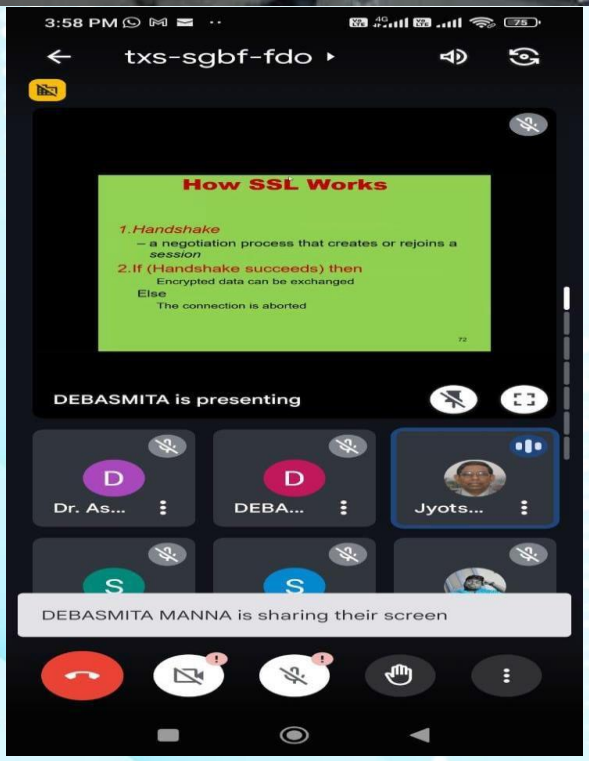

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Robotics Club

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Virtual Extempore Event

Date: 06.09.2023

Venue: online

Objective: To enhance knowledge on LED, circuit.

Topic: Glowing of LED with and without switch using Tinker Cad and Breadboard kit.

Students practically had seen what a circuit is, interconnection of component and closed path. They have seen the importance of each element in the circuit and how ohms law works. Difference between bilateral and unilateral components while connecting battery to the circuit. Students can circuit diagram for the given activity and, they designed in Tinker Cad software.

Glimpse of the event

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One day Webinar on Robotic Process Automation

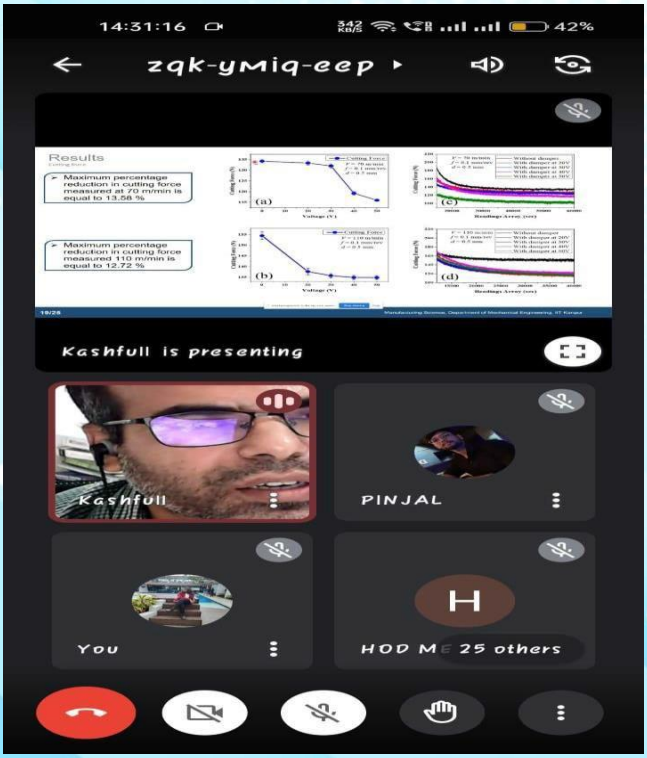
Date: 07.02.2024

Venue: online

Objective: To enhance knowledge on Robotic Process Automation.

For more than 50 years, UIPath-based robotic process automation has been a mainstay of advanced manufacturing. Robots and the accessories they need are becoming more and more smart, dependable, and small, and as a result, these systems are being used for military, surveillance, and entertainment applications. Robotics applications On February 7, 2024, a one-day workshop on the newest and most popular IOT technologies and projects was held to introduce attendees to robotics and IOT. The college GRIET-Robotics Club Team members are employing Blueprism, Automation Anywhere, Pega, WorkFusion, and other cutting-edge technologies to give them valuable practical experience. The first, second, and third years of the ME department are among the institute's participating members. Students came to visit and exchanged opinions and firsthand accounts. According to the comments made by GRIET.

Glimpse of the event



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Nirman Club

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Seminar on Retrofitting of Structures

Date: 07.03.2024

Venue: College Campus

Objective: to apply engineering and technological concepts to real-world challenges.

The objective of the "Innovation in Everything" Model Exhibition was to encourage creativity and innovation among students by showcasing their ability to apply engineering and technological concepts to real-world challenges. The Nirman Club of Surtech College, in collaboration with faculty members and students, organized the "Innovation in Everything" Model Exhibition on [Insert Date]. The event featured a variety of student-created models, ranging from technological innovations to sustainable solutions, all demonstrating practical applications of their learning.

The exhibition successfully highlighted the innovative potential of Surtech College students, providing them with a platform to display their projects and exchange ideas. The event also inspired other students to think creatively and pursue innovation in their studies.

The "Innovation in Everything" Model Exhibition organized by the Nirman Club was a significant step in fostering a culture of innovation and practical problem-solving among students at Surtech College.

Glimpse of the event

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Mathematics Club

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Mathematical Puzzles for Cognitive Development

Venue: Room No: 317

Date: 22.08.2023

No. of Participants: 52

Objective: To enhance cognitive skills such as problem-solving, pattern recognition, and strategic thinking through engaging mathematical puzzles.

The Mathematics Club of SurTech organized a event titled “Mathematical Puzzles for Cognitive Development” on 22nd September 2023. The event aimed to engage students in various mathematical puzzles, promoting cognitive skills and critical thinking.

A total of 52 students from diverse academic backgrounds participated in the puzzle solving event. The session was led by Mr. Arindam Mukherjee, assistant professor of AUE department, who introduced participants to a range of puzzles designed to stimulate cognitive abilities.

The event began with a brief introduction by Mr. Arindam Mukherjee outlining the significance of puzzles in developing problem-solving skills and mental agility. Participants were then divided into groups and engaged in solving a series of puzzles that varied in difficulty. The puzzles included logic puzzles, number sequences, graphics.The participants had the opportunity to collaborate and discuss solutions, fostering teamwork and communication skills.

At the end of the session, awards were given to the top three teams based on their performance and creativity in solving the puzzles:

Anish Dutta (ECE, 3rd year), Khushi Deo (ECE, 3rd year)- 1st position

Kopai Manna (CSE, 2nd year), Koyena Haldar (CSE, 2nd year)- 2nd position

Nitesh Ranjan (EE, 3rd year), Rakesh Kuiry (EE, 2nd year)- 3rd position

Glimpse of the event are attached here.

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Observation of the Mathematics Quiz Competition: "Math Masters Challenge"

Venue: Room No: 120

Date: 19.01.2024

No. of Participants: 44

Objective: To challenge participants' problem-solving abilities, reinforce mathematical concepts, and promote critical thinking in a competitive yet educational environment.

The Mathematics Club of SurTech organized a Mathematics Quiz Competition named "Math Masters Challenge" on 19th January 2024. The event was designed to challenge students' understanding of mathematical principles and encourage a deeper engagement with the subject.

A total of 44 students from various academic years participated in the quiz competition. The event was hosted by Ms. Ritam Bhattacharjee, Assistant Professor of Mathematics, who introduced the quiz format and explained the rules to the participants.

The quiz was structured into multiple rounds, including:

1. General Mathematics Knowledge – Covering fundamental concepts and historical facts.
2. Problem-Solving Round – Featuring complex problems that required logical reasoning and quick thinking.
3. Speed Round – Where participants had to answer as many questions as possible within a limited time frame.

Each round tested different aspects of mathematical understanding, from basic principles to advanced problem-solving techniques. Participants competed individually and were scored based on accuracy and speed.

The event was judged by a panel consisting of:

- Dr. Sukhendu Sadhukhan, Assistant Professor of Physics, BSH Department
- Mr. Anjan Kumar Payra, Assistant Professor of CSE
- Ms. Rumrum Banerjee, Assistant Professor of EE

The top scorers were awarded as follows:

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- 1st Position: Arnab Basu, AUE 1st year
  - 2nd Position: Tohidur Rahaman, EE 1st year
- 3rd Position: Sachin kumar Singh, CSE 1st year

Glimpse of the seminar are attached herewith.

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Coding Club

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CodeHub August 2022

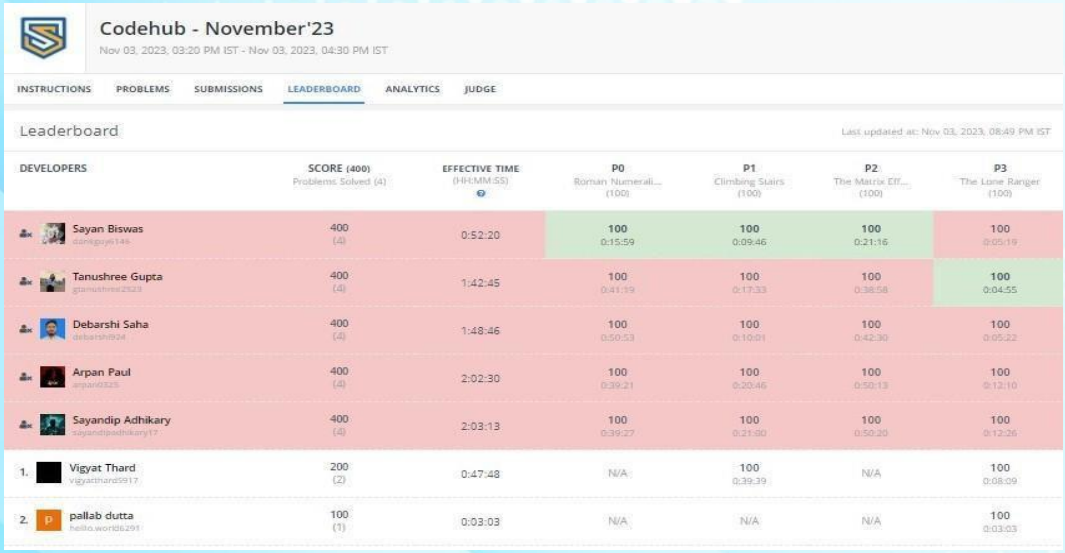
Date: 03/11/2023

Place: CSE Lab 4 (Offline mode), HackerEarth (Online mode)

Participants: College students who had registered for the contest Report:

Binary Coders (The Coding Club of Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex) in collaboration with the Computer Science & Engineering Department of DSCSITSC successfully conducted the Coding Contest CODEHUB NOVEMBER 2023. The contest was held in hybrid mode – both online mode and offline mode at Surtech CSE Labs, via HackerEarth online coding platform.

Here is the contest Leaderboard –



Based on the above Leaderboard, Team Binary Coders would like to declare the following results for CodeHub November 2023 –

- **Winner – Sayan Biswas (CSE 3rd year)**
- **1st Runner Up – Tanushree Gupta (CSE 1st year)**
- **2nd Runner Up – Debarshi Saha (CSE 4th year)**

Given below are some analytics of the test as provided by HackerEarth -

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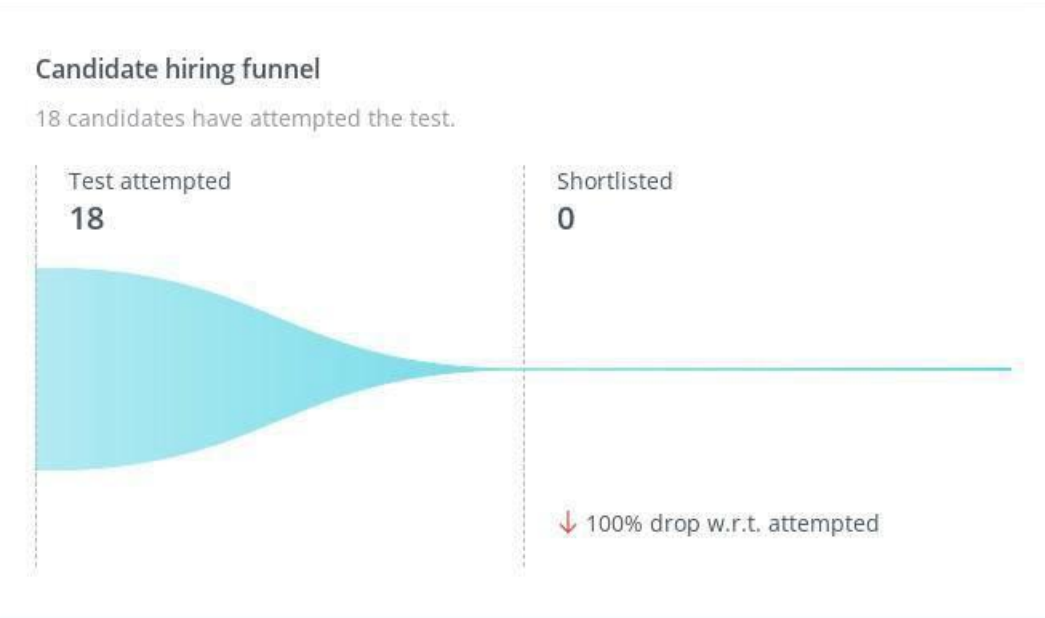

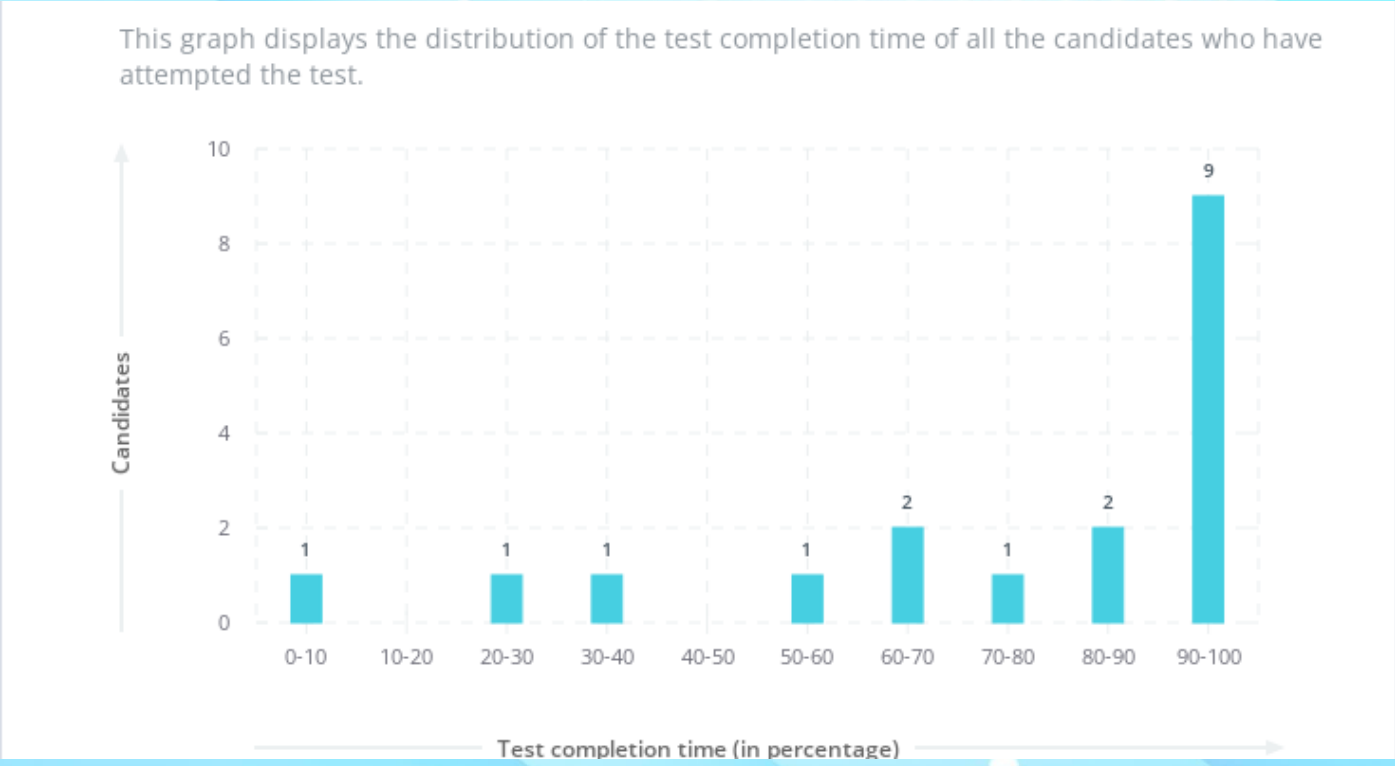

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Art and Craft Designing Club

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Art & Sketch Competition: Celebration of Poila Baisakh

Date: 17.04.2023

Venue: College Campus

Objective: To welcome the "Nobo Borsho" (New Year) through the creative pursuits of the students.

Art & Craft Designing Club of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex organized an Art & Sketch Competition on 17th April, 2024 to welcome the Bengali new year. The event aimed to celebrate the rich cultural heritage of Poila Baisakh, the Bengali New Year, through artistic expression.

The event was inaugurated by Hon'ble Principal Sir. Approximately 50 students participated in the competition, showcasing their creativity and talent. The event witnessed a diverse range of artistic styles and interpretations of the theme, reflecting the vibrancy of Bengali culture and traditions.

After a rigorous judging process, the following students emerged as winners:

1. **Aishani Mukherjee**

· Stream: Electronics and Communication Engineering (ECE)

· Year: 1st

· Position: First

2. **Rupsa Sil**

· Stream: Computer Science and Engineering (CSE)

· Year: 2nd

· Position: Second

3. **Papri Banik**

· Stream: Computer Science and Engineering (CSE)

· Year: 2nd

· Position: Third

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Photography Club

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Photography Competition on Durga Puja

Date: 18.10.23

Venue: Pandals

Objective: To provide a platform for students to express their artistic vision and skills through the medium of photography.

The Photography Competition on the theme of Durga Puja 2023 organized by Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex focused on capturing various aspects of Durga puja, including rituals, decorations, celebrations, and community interactions. The event has provided a platform for students to express their artistic vision and skills through the medium of photography. The competition aimed at engaging the college community in appreciating and reflecting on the cultural festivities of Durga puja.

Outcome of the Event: The event was held to to highlight the photographic talents of students and provide recognition for their work. The winner of the event was Ashis Das 1 st year AUE

Glimpse of the event:

The Winning Photo:

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Cultural Club

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Farewell Program (Au Revoir)

Venue: College Premises

Date & Time: 03.07.2023, 5.00 PM onwards

Participants: 205

Objective: To develop strong relationships between academics and students and establishing an alumni association.

The Cultural Committee of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex in collaboration with the 3rd Year and 2nd Year student representatives had organized the Farewell Au-Revoir on 3rd July, 2023 from 5.00 PM onwards in the college premise. A farewell video was played as a memoir for all the 4th Year students who had spent these fabulous four years in this college. The 3rd Year students dedicated a musical performance for their adored seniors afterwards. The present and past faculty members of the institution had shared their experiences where they spoke about the inseparable bond that had been created over these four years. Students expressed their joy, love and ecstasy by sharing their journey which was filled with interesting memorable events, which they would carry with themselves for the rest of their life. All the students were presented with a memento, which was prepared by the 2nd Year and 3rd Year
students.

Outcome of Event: The event aimed to promote academic engagement, encourage healthy competition, and celebrated the intellectual prowess of students across various departments.

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Independence Day

Venue: College Premises

Date & Time: 15.08.2023, 9.30 AM onwards

Participants: 42

Objective: To commemorate the sacrifice of freedom fighters and instill patriotic spirit in students.

The Independence Day was celebrated by the Cultural Committee of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex on 15.08.2023 at the college premises. The event started with the physical flag hoisting by the Respected Principal Sir of the Institute, and next the National Anthem was performed. Faculties, staff and students together performed a cultural event owing to the significance of the day. The students participated in this program with great devoted performances, respectful speeches and sincere acts to celebrate the 77th Independence Day.

Outcome

Independence Day celebrations foster a patriotic spirit among citizens, instilling a deep love for the country. It helped to create a sense of pride in the nation's achievements and progress.

Glimpse of the event.

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Quiz and Debate Club

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Debate on Technology and Society

Date: August 1, 2023

Venue: College Campus

Topic: "Is Artificial Intelligence a Threat to Humanity?"

The event was organised with an aim to evaluate students' understanding of artificial intelligence and technical literacy. The debate was judged by Dr. Soumitra Roy, Professor of CSE Dept. The event was inaugurated with gave an opening address highlighting the importance artificial intelligence and technical literacy. Team "Tech Guardians" won the debate with their argument that AI is not inherently a threat but must be developed and regulated responsibly. The opposition team "Future Worriers" also received commendation for their persuasive points on potential risks.

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General Knowledge Quiz

Date: January 16, 2024
Venue: College Campus

Objective: To raise environmental awareness among the students.
Event Overview:

- The General Knowledge Quiz was designed to test students' awareness and knowledge of global events, history, geography, and significant political and social milestones. This event aimed to encourage students to stay updated with current affairs and foster a competitive spirit.

  Inaugural Speech: Dr. Anil Kumar, Principal of Dr. Sudhir Chandra Sur Degree Engineering College, opened the event with a motivational speech emphasizing

  - the importance of staying informed and understanding the world beyond academics.
  - **Welcome Address:** The Quizmaster, Ms. Neha Sharma, welcomed the participants and the audience, explaining the quiz rules and the format.
  - **Round 1: Written Quiz**
    - 30 multiple-choice questions covering various general knowledge topics.
    - Participants were given 30 minutes to complete the quiz, followed by 15 minutes for grading.
  - **Round 2: Rapid-Fire Round**
    - Top 5 teams from Round 1 qualified for this stage.
    - Each team had 1 minute to answer as many questions as possible.
    - The Quizmaster kept the audience engaged with trivia and interesting facts related to the questions.
  - **Conclusion and Prize Distribution:**
    - Dr. Anil Kumar presented awards to the winning teams.
    - The first prize was won by Team A (Mechanical Engineering), the second prize by Team B (Computer Science), and the third prize by Team C (Electrical Engineering).

Outcome:

The event saw enthusiastic participation from students across various departments. The quiz fostered a sense of camaraderie and healthy competition. Students reported increased interest in keeping up-to-date with current events and broadening their general knowledge.

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Documentary and Drama Club

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AGAMANI: INVOKING THE FESTIVE SPIRIT

No. of Participants: 12

Venue: Auditorium

Date: 12.10.2023

Objective: To instill in the spirit of collaboration and camaraderie and to celebrate the essence of unity in diversity in India.

The Documentary and Drama Club of the institute has organized an event named "Agamani: Invoking the Festive Spirit" with the primary purpose of welcoming the festive season. This event aimed to bring together students from various departments to create a drama group and stage an inspiring play, ‘Dugga Elo’.

The central message of the play was to emphasize that festivals transcend religious boundaries. It conveyed the idea that people, regardless of their religious beliefs, can come together to enjoy and celebrate festivals. The underlying theme was promoting unity in diversity, highlighting the importance of harmony and togetherness in a multicultural society.

The event was a resounding success, with students showcasing their talents and creativity in the form of a compelling play. The audience, including Principal, faculties and students enjoyed and appreciated this effort. The Drama Club's effort in promoting the idea that festivals should be enjoyed by people of all backgrounds was highly commendable.

The event ended on a jovial cord.

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Celebration of the World Theatre Day

No. of Participants: 10

Venue: Auditorium

Date: 27.03.2024

Objective: to celebrate World Theatre Day

The event was organized to celebrate World Theatre Day with the aim of raising awareness about the social issues affecting the underprivileged, refugees, migrant workers and war victims. It also aimed to foster creativity and empathy among students, encouraging them to use the medium of theatre to voice significant societal concerns.

Event Overview:

On World Theatre Day, the students of the Drama Club staged an original play titled "Porijayi, The Migrants" The play was an evocative portrayal of the struggles faced by underprivileged communities, refugees, migrant workers and war victims. Through powerful performances, the students highlighted the devastating impact of unrest and conflict, which force these individuals to abandon their homes for the sake of survival.

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The play "Porijayi" was meticulously crafted by the students that reflected in every aspect of the production, from the script to the performances, which deeply resonated with the audience.

The event was a resounding success, leaving a lasting impact on all those who attended. Following the performance, a feedback session was held where both students and faculty shared their thoughts on the play. The audience praised the Drama Club for their compelling depiction of such a critical issue, noting the emotional depth and realism of the performance.

The Principal and other faculty members also expressed their admiration for the students' efforts. They applauded the Drama Club for their creativity and for using theatre as a platform to shed light on pressing global issues.

The World Theatre Day event, marked by the staging of "Porijayi," was a remarkable success. The play effectively conveyed its message, touching the hearts and minds of everyone present.

The Glimpse of the event

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Biosystem and Environment Engineering Club

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Tree Plantation Program

Date: 22.09.23
Location: College Grounds and adjacent area.

Objective: to promote environmental sustainability and create awareness about the importance of afforestation.

The Biosystem and Environment Engineering Club of Surtech successfully organized a Tree Plantation Program on 22.9.23. The event saw enthusiastic participation from both students and faculty members who came together to plant trees in designated areas of the college ground and in the surrounding locality.

Activities:

1. Tree Plantation on College Grounds:

The program commenced with the plantation of saplings within the college premises. Students, guided by faculty members, carefully planted a variety of native species that are well-suited to the local climate. The selection of these species was made with the intention of ensuring their long-term growth and contribution to the campus environment.

2. Community Engagement:

Following the plantation on campus, the participants extended their efforts to the neighbouring areas around the college. The initiative involved engaging with residents, raising awareness about the benefits of tree planting, and encouraging them to contribute to the cause. Faculty members and students worked together to plant saplings in public spaces, contributing to the beautification and environmental enrichment of the community.

Outcome

The Tree Plantation Program successfully planted over 80 saplings across the college and surrounding locality. The initiative not only contributed to the enhancement of the green cover but also served as an educational experience for students, emphasizing the significance of environmental conservation and sustainability. The Tree Plantation Program organized by the Students' Club was a resounding success, achieving its objective of promoting environmental awareness and sustainability. The active participation of students and faculty members highlights the college's commitment to fostering a greener, more sustainable future. This initiative is expected to inspire similar activities in the future, reinforcing the importance of community involvement in environmental conservation.

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Community Connect (NSS) Club

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Health Check Up Camp

Date: 11th August 2023

Venue: Lion's Club, Kankurgachi, Kolkata

Objective: To raise awareness of the importance of eating a healthy diet.

The NSS Club organized a Health Check-up Camp at the Lions Club to raise awareness about obesity and diabetes and to provide practical advice on preventing and managing these health risks. On 11.08.2023 the camp focused on screening and educating attendees about the dangers of obesity and diabetes. A panel of medical professionals assessed blood pressure and blood sugar levels and offered personalized meal plans and lifestyle advice. The doctors also provided guidance on treatment options and necessary medications.

The camp successfully provided over 60 community members with free health assessments and valuable advice, identifying several cases requiring further medical attention and empowering attendees to adopt healthier lifestyles.

The Health Check-up Camp was a successful initiative by the NSS Club, making a positive impact on the community's health awareness and promoting preventive measures against obesity and diabetes.

Glimpses of the event

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Swachch Bharat Awareness Activity

Date: 5th June 2024

Venue: South Dum Dum Municipality Area

No of Participants: 40

Objective: to promote environmental awareness and community engagement through the observation of World Environment Day

The Community Connect (NSS) Club of Surtech aimed to promote environmental awareness and community engagement through the observation of World Environment Day, focusing on tree planting and area cleanliness.

On 5th June 2024, the Community Connect (NSS) Club of Surtech organized activities in the South Dum Dum Municipality area to mark World Environment Day. Students actively participated by planting trees to enhance the local green cover and cleaning the area to improve hygiene and aesthetics.

The event successfully fostered environmental consciousness among students and community members, contributing to a cleaner and greener South Dum Dum Municipality area.

The World Environment Day activities organized by the Community Connect (NSS) of Surtech were effective in promoting environmental stewardship and encouraging community involvement in sustainability efforts.

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Literary Club

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Quiz Competition

Date: 16.10.2023

Venue: College Campus

Objective: to showcase academic prowess and quick thinking of the students.

The Literary Club of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has organised an Inter College Quiz Competition on 16th October, 2023. The recent quiz competition held at the institute was a dynamic and engaging event, bringing together participants from various institutions to test their knowledge across a range of subjects. The competition served as a platform for students to showcase their academic prowess and quick thinking. The quiz competition was a tremendous success, providing participants with an opportunity to demonstrate their knowledge and engage in friendly competition. The event highlighted the importance of intellectual curiosity and quick thinking in a fun and challenging environment.

Glimpse of the Event

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
(Formerly Known as Dr. Sudhir Chandra Sur Degree Engineering College)
540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074
Phone: +91 22 25603889, 25603898, 65330375

Observation of National Youth Day (2024)

Date: 11.1.2024

Venue: Auditorium

Objective: To recognize and celebrate the contributions, potential, and achievements of young people across the nation.

The Literary Club of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has observed National Youth Day on 11th January, 2024. The celebration of this event was a vibrant and inspiring event dedicated to recognize and celebrate the contributions, potential, and achievements of young people across the nation. The day was marked by a series of activities designed to engage, educate, and empower the youth. The National Youth Day celebration successfully achieved its objectives, offering a platform for young people to be recognized, inspired, and engaged. The event highlighted the significant impact of youth on society and underscored the importance of supporting and empowering the next generation.

Glimpse of the Event

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
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Yoga and Meditation Club

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
(Formerly Known as Dr. Sudhir Chandra Sur Degree Engineering College)
540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074
Phone: +91 22 25603889, 25603898, 65330375

International Yoga Day

Date: June 21, 2024
Location: College Auditorium

Objective: To inspire participants to think creatively and explore unconventional uses of materials in construction and design.

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (SurTech) celebrated International Yoga Day on 21st June, 2024 with great enthusiasm and participation. The main objective of celebrating International Yoga Day was to raise awareness about the benefits of yoga and to promote physical and mental well-being among students and staff. The event aimed to encourage a healthy lifestyle and holistic well-being through the practice of yoga.

The session began with a brief introduction to International Yoga Day and its significance by the PI Staff from 2BBn. The benefits of yoga were highlighted, emphasizing its importance in today's fast-paced and stressful life. PI Staff led the session, starting with basic stretching exercises to warm up. Participants were guided through various yoga asanas (postures) such as Tadasana (Mountain Pose), Vrikshasana (Tree Pose), and Bhujangasana (Cobra Pose). Breathing exercises and meditation were included to promote mental relaxation and focus. The session was interactive, allowing participants to ask questions and receive personalized guidance on performing the asanas correctly. After the yoga session, an interactive segment was held where participants shared their experiences and discussed the benefits they felt during the practice. The instructor provided tips on how to incorporate yoga into daily routines and answered queries regarding different yoga practices. The event concluded with a vote of thanks by the ANO/CTO, appreciating the efforts of the participants and the instructor. Certificates of participation were distributed to all participants as a token of appreciation. The feedback from participants was overwhelmingly positive. Many students and cadets expressed their interest in continuing yoga practice regularly. They reported feeling more relaxed, energized, and focused after the session.

Outcome

The benefits of yoga for the body, mind, and soul were better understood by the participants, increasing general awareness of the practice. A great interest in incorporating yoga and wellness practices into everyday routines was evident from the active participation of both professors and students.

Glimpse of the event

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
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Sports Club

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
(Formerly Known as Dr. Sudhir Chandra Sur Degree Engineering College)
540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074
Phone: +91 22 25603889, 25603898, 65330375

Football Tournament

Date: 23/08/2023

Venue: College Ground

No of Participants: 120

Objective: To acquire the necessary skill sets to compete and support a team

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has organized a Football Tournament on 23/08/2023. The tournament was inaugurated by Hon'ble Principal Sir. The tournament featured a lot of passing, skills, ball control, defensive work and saves. Our Honorable Principal Sir awarded the winners and runners-up at the end of the football tournament.

Outcome of the Event: The key highlights of this tournament were man management, teamwork, and leadership abilities.

Glimpse of the tournament

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
(Formerly Known as Dr. Sudhir Chandra Sur Degree Engineering College)
540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074
Phone: +91 22 25603889, 25603898, 65330375

Chess Tournament

Date: 12/10/2023 to 13/10/2023

Venue: Common Room

No of Participants: 32

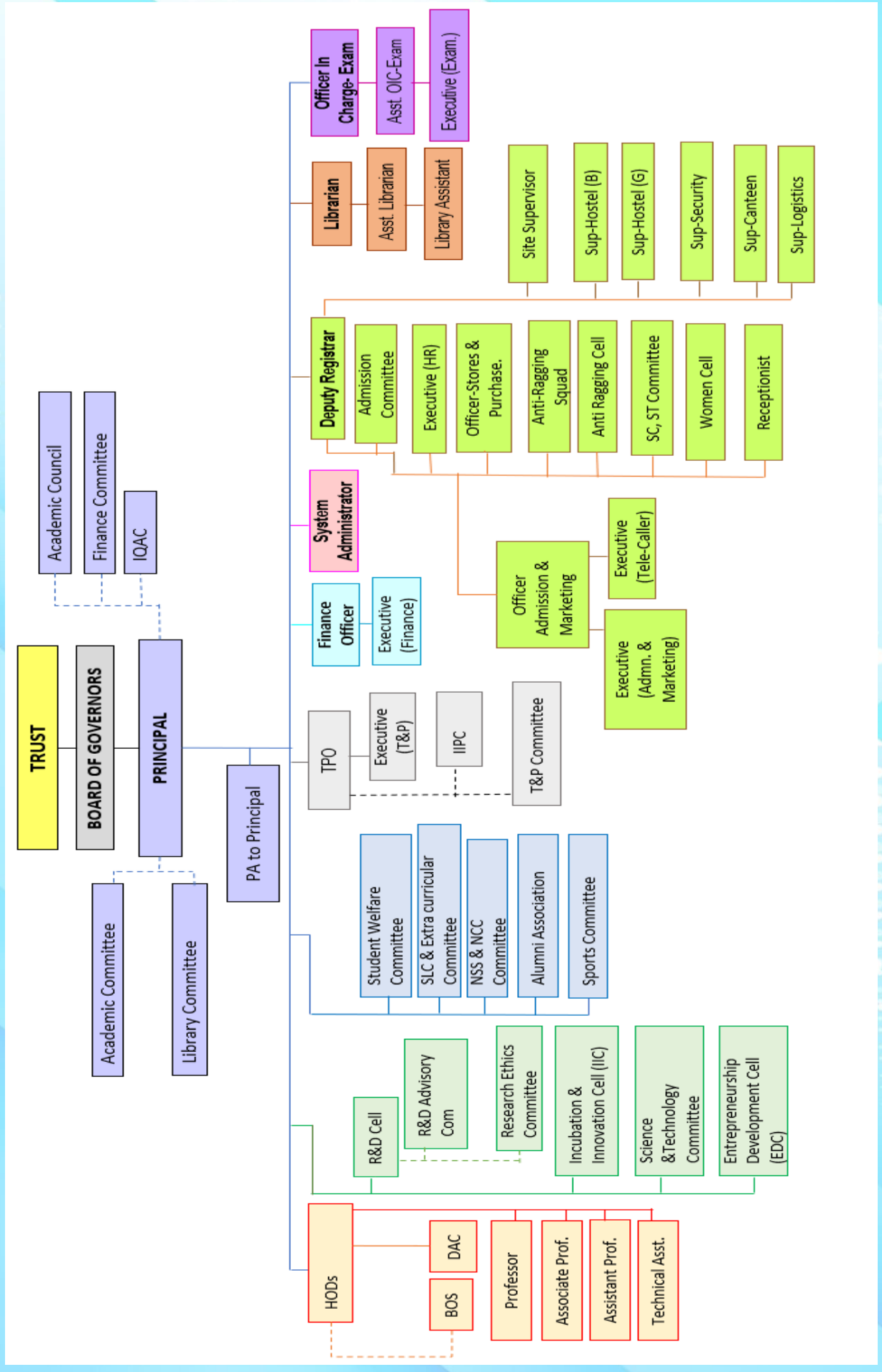
Objective: To make moves with a strong purpose and guide your thinking-process in the right direction

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has organized a Chess Tournament from 12/10/2023 to 13/10/2023, 2:00pm onwards at common room. Hon'ble Principal Sir was inaugurated the tournament. At the end of the Chess Tournament, the winner and the runner up were appreciated. Over the entire the various twists and turns during the game had the audience on the edge of their seats and the opponents proved their mettle by overcoming the obstacles with wit and tenacity.

Outcome of the Event: Key highlights of the tournament were deciphering and analyzing, exercising strategic thought, and anticipating what would happen.

Glimpse of the tournament

Institutional Organogram



Administrative Heads

Prof. (Dr.) Saradindu Panda
Principal
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Mr. Anirbit Sengupta
Assistant Registrar
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Mr. Sanjay Bhattacharjee
Controller of examination
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Departmental Heads

Serial No.	Name	Designation	Name of the Department
1	Dr. Sk Tanbir Islam	Associate Professor	AUE
2	Dr. Himadri Biswas	Professor	CSE
3	Dr. Ruma Sen	Professor	ME
4	Dr. Anirban Neogi	Associate Professor	ECE
5	Dr. Dipankar Das	Professor	BSH
6	Dr. Sayantan Chakraborty	Associate Professor	EE
7	Dr. Biswajit Mukhopaddhay	Professor	CE

Admission Report

Programme Name	Programme Code	No. of seats sanctioned	No. of Students Admitted
B.Tech. Computer Science and Engineering	CSE(001)	180	180
B.Tech. Electronics & Communication Engineering	ECE(003)	60	57
B.Tech. Electrical Engineering	EE(016)	30	22
B.Tech. Civil Engineering	CE(013)	60	56
B.Tech. Mechanical Engineering	ME(007)	30	27
B.Tech. Automobile Engineering	AUE(032)	60	48
B.Tech. Computer Science and Engineering (Artificial Intelligence And Machine Learning)	CSE(AI&ML)	60	60
B.Tech. Computer Science and Engineering (Lateral Entry)	CSE (Lateral Entry) 001	18	18
B.Tech. Electronics & Communication Engineering (Lateral Entry)	ECE (Lateral Entry) 003	6	3
B.Tech. Electrical Engineering (Lateral Entry)	EE (Lateral Entry) 016	6	3
B.Tech. Civil Engineering (Lateral Entry)	CE (Lateral Entry) 013	6	4
B.Tech. Mechanical Engineering (Lateral Entry)	ME (Lateral Entry) 007	3	8
B.Tech. Automobile Engineering (Lateral Entry)	AUE (Lateral Entry) 032	6	5
B.Tech. Robotics Engineering (Lateral Entry)	Robotics (Lateral Entry) 320	3	3
M.Tech. Mechanical Engineering	M.Tech. ME(124)	18	10
M.Tech. Communication Engineering	M.Tech. ECE(705)	9	5

Scholarship

SCHOLARSHIP SCHEME 2023-24 (Provided by the Institute)

Alumni Scholarship for M.Tech. Students

- Scholarship of @20% on tuition fee (Rs.2,00,000 for 2 years, total course fee is Rs.2,25,600 for 2022 -23) i.e Rs.10,000/ per semester is applicable only to the students who have completed their B.Tech. Course (General or Lateral Entry) from any of the following institutions:
  JISCE
  NIT
  GNIT
  AEC
  GKCEM
- Students having qualified scores in GATE are eligible for availing **PG Scholarship** provides by the AICTE.

Alumni Scholarship for B.Tech. Lateral Entry Students

- **For Internal Student -** Scholarship of Rs.60,000/- @ Rs.10,000/- per semester (on Tuition fee is Rs.2,52,000, total course fee is 2,92,650 for 2023-24) is applicable only to the students who have completed their three year Diploma course from any of the following institutions:
  JISSP
  JISCE NIT
  GNIT AEC
  GKCEM (JV)
- **For Internal and External Student -** Scholarship of 36.77% Fees waiver per semester (on Tuition fee i.e. Rs.2,52,000, total course fee is 2,92,650, for 2023-24) is applicable for the internal and external students taking admission in B.Tech. Lateral Entry course in core streams.

Scholarship for Tripura State Residentials B.Tech. Lateral Entry Student

Students of Tripura residentials are eligible for availing Scholarship total of Rs 40000/- (on Tuition fee of Rs. 252000, total course fee Rs. 292650/- for 2023-24)

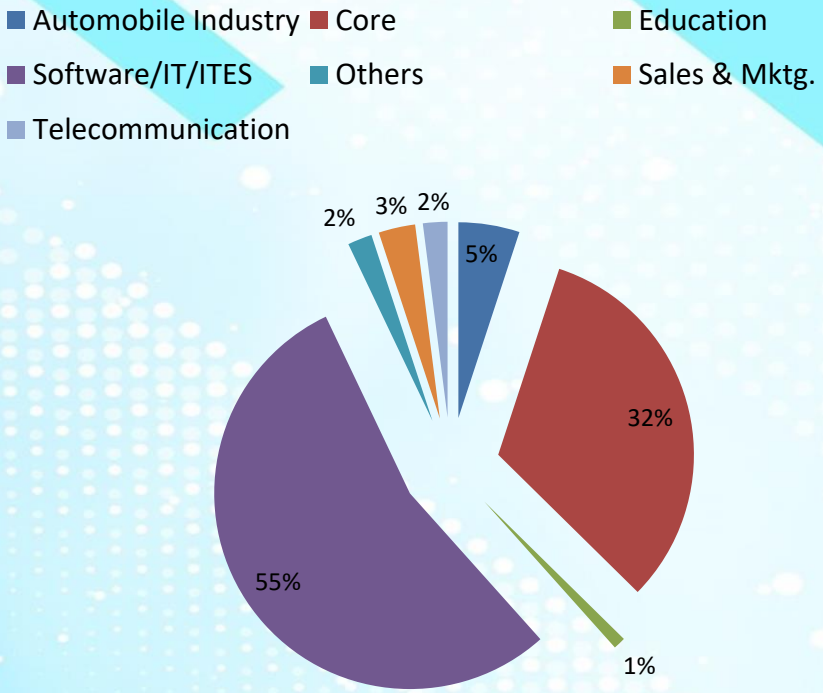
Scholarship

Other Scholarship Schemes

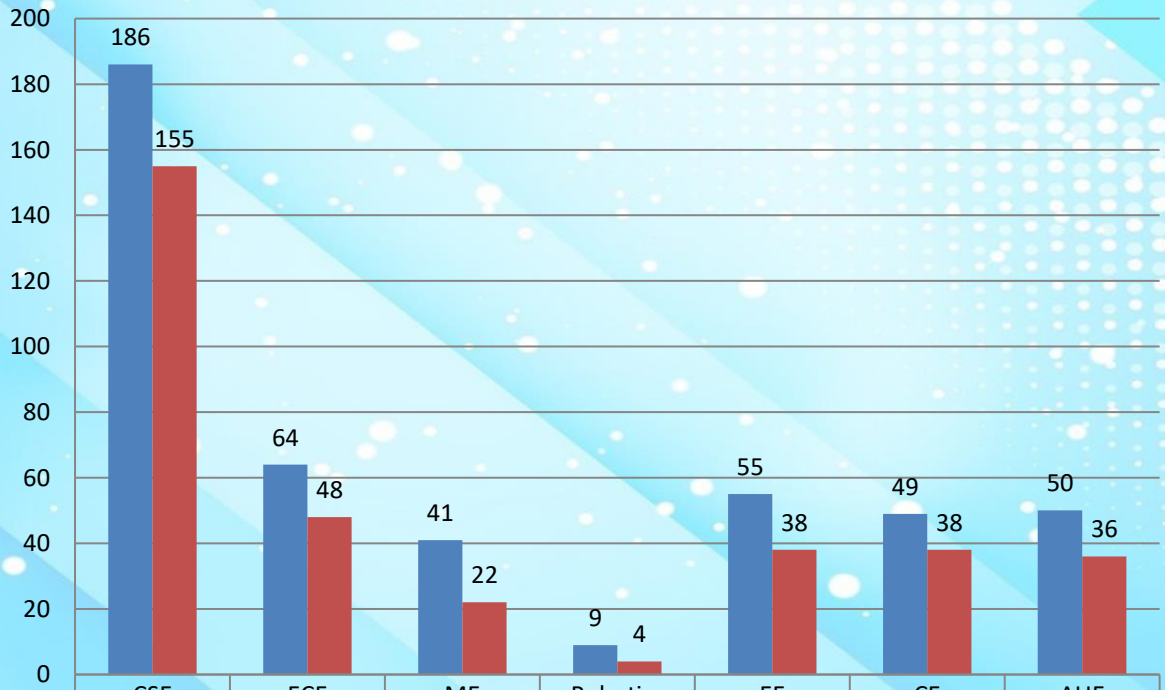
- Students belonging to **Sikh Minority** are eligible for availing special scholarship.
- Students are eligible to get **Half/Full freeship** (on Tuition Fee) having valid financial issues.
- **Sibling Scholarship** of 20% on the tuition fee is applicable to the immediate sibling of existing and former students.
- Children/immediate sibling of the permanent Employees working in any of the unit of JIS Group and worked minimum of 3 years of continuous are entitled to get **Employee Scholarship** and the scholarship percentage shall be determined upon the tenure of service in such case.
- **Girls students**, those who secured higher marks are eligible to get **Merit Scholarship**
- Students having higher marks, admitted in **Core branches** like ECE, EE, CE, ME, AUE, Robotics are entitled to get scholarship.
- Students from any stream, secured higher marks are eligible to get **Merit-cum-Means** Scholarship
- Students having TFW Rank in WBJEE and get allotted through Counselling are entitled to get **Tuition Fee Waiver** i.e. entire Tuition fees are waived off from the total requisite fees

Training & Placement

Sectorewise Company Percentage



Placement Status 2024



	CSE	ECE	ME	Robotics	EE	CE	AUE
Total Strength	186	64	41	9	55	49	50
Students Placed	155	48	22	4	38	38	36

Training & Placement

Details of placement of outgoing students during AY 2023-24

Name of student placed	Program graduated from	Year of graduation	Name of the employer	Pay package at appointment (in Lakhs)
Aditya Singh	AUE	2024	Tata AIG	2.40
Aman Singh	AUE	2024	Gold Stone Cement	2.64
Aniket Singh	AUE	2024	TVS Automobile	2.00
Anish Kumar Saha	AUE	2024	Tata Autocomp	2.10
Arghadeep Das	AUE	2024	Tata AIG	2.40
Arghya Mondal	AUE	2024	QH Talbros	2.16
Arnab Mukherjee	AUE	2024	Bajaj Auto	2.40
Ashish Pradhan	AUE	2024	Cars 24 Pvt Ltd	1.96
Ayan Bag	AUE	2024	Tata Autocomp	2.10
Ayan Maiti	AUE	2024	Go Mechanic	2.16
Bishal Ghosh	AUE	2024	Tata AIG	2.40
Biswadip Das	AUE	2024	QH Talbros	2.16
Chiranjit Mondal	AUE	2024	Bajaj Auto	2.40
Debojyoti Mondal	AUE	2024	Bajaj Auto	2.40
Gourab Dutta	AUE	2024	Cars 24 Pvt Ltd	1.96
Hritam Lohar	AUE	2024	Tata AIG	2.40
Joydeep Roychowdhury	AUE	2024	Tata Autocomp	2.10
Koushik Dutta	AUE	2024	AIS Glass India Pvt Ltd	3.60
Kunal Dey	AUE	2024	Tata Autocomp	2.10
Pitam Kundu	AUE	2024	Gold Stone Cement	2.64
Raj Kumar Chetry	AUE	2024	Go Mechanic	2.16
Raktim Roy	AUE	2024	QH Talbros	2.16
Ranjan Barman	AUE	2024	Bajaj Auto	2.40
Samewanlang Rani	AUE	2024	AIS Glass India Pvt Ltd	3.60
Sayak Roy	AUE	2024	Tata Autocomp	2.10
Sayan Kandar	AUE	2024	Tata Autocomp	2.10
Seershendu Saha	AUE	2024	Cars 24 Pvt Ltd	1.96
Soumyadeep De Ray	AUE	2024	QH Talbros	2.16
Soumyadeep Paul	AUE	2024	Bajaj Auto	2.40
Sourav Giri	AUE	2024	Tata Autocomp	2.10
Souvik Dubey	AUE	2024	Cars 24 Pvt Ltd	1.96
Subhojit Bagchi	AUE	2024	Gold Stone Cement	2.64

Training & Placement

Details of placement of outgoing students during AY 2023-24

Subhojit Dey	AUE	2024	Tata Autocomp	2.10
Sukanta Ray	AUE	2024	Tata Autocomp	2.10
Supriyo Sardar	AUE	2024	Tata AIG	2.40
Swapnendu Chatterjee	AUE	2024	Cars 24 Pvt Ltd	1.96
Abir Chakraborty	CE	2024	Kinlong Hardware India Pvt. Ltd.	2.87
Aftab Uddin Ahmed	CE	2024	Hella Infra	4.00
Arpita Sinha	CE	2024	Ayant Software	1.80
Asim Maity	CE	2024	Laxmi Agni	3.84
Barsha Das	CE	2024	Edustation	3.84
Chapan Das	CE	2024	Gold Stone Cement	2.64
Dibendu Ghosh	CE	2024	Acc Ltd	3.12
Dicky Sherpa	CE	2024	Kodenest Technology	2.40
Dip Narayan Sen	CE	2024	Laxmi Agni	3.84
Diptyendu Chatterjee	CE	2024	Hella Infra	4.00
Gita Hembram	CE	2024	KEC International	4.00
Gourab Dey	CE	2024	Kodenest Technology	2.40
Kousambi Bhattacharyya	CE	2024	Kinlong Hardware India Pvt. Ltd.	2.87
Koustov Basu	CE	2024	Hella Infra	4.00
Leena Chatterjee	CE	2024	Ayant Software	1.80
Mrityunjay Gupta	CE	2024	Acc Ltd	3.12
Nabanita Dhar	CE	2024	KEC International	4.00
Pilot Tripura	CE	2024	Kinlong Hardware India Pvt. Ltd.	2.87
Sagnik Dasgupta	CE	2024	Kinlong Hardware India Pvt. Ltd.	2.87
Sampad Narayan Dutta	CE	2024	PS Group	2.40
Santosh Kumar	CE	2024	Pinnacle Infotech	2.40
Saonti Ghosh	CE	2024	Ayant Software	1.80
Saptadwipa Dutta	CE	2024	PS Group	2.40
Satyaki Ranjan Das	CE	2024	Linde	3.84
Shilpa Dubey	CE	2024	KEC International	4.00
Soham Chatterjee	CE	2024	Acc Ltd	3.12
Sohan Chakraborty	CE	2024	Pinnacle Infotech	2.40
Sourav Kumar Sur	CE	2024	Hella Infra	4.00
Sourav Mondal	CE	2024	Nicco Parks & Resorts Ltd	2.40
Sourav Naskar	CE	2024	Laxmi Agni	3.84
Subham Das	CE	2024	Linde	3.84
Suparna Polley	CE	2024	PS Group	2.40

Training & Placement

Details of placement of outgoing students during AY 2023-24

Sushant Kujur	CE	2024	Gold Stone Cement	2.64
Tarun Kanti Dutta	CE	2024	Nicco Parks & Resorts Ltd	2.40
Tuhin Das	CE	2024	Acc Ltd	3.12
Ujjwal Santra	CE	2024	Pinnacle Infotech	2.40
Vivek Thakur	CE	2024	Gold Stone Cement	2.64
Mohammad Moin	CE	2024	Hella Infra	4.00
Abhinaba Chakraborty	CSE	2024	Tech Mahindra	3.25
Abhinandan Chakraborty	CSE	2024	Persistent	5.01
Abhishek Kumar	CSE	2024	Mantra labs	5.00
Abhishek Kumar Gupta	CSE	2024	Capgemini	4.00
Abhishek Roy	CSE	2024	Persistant	5.01
Abhishikta Pradhan	CSE	2024	Capgemini / TCS	7.00
Advaita Dey	CSE	2024	EY India	6.48
Aishee Bhattacharya	CSE	2024	Capgemini / Accenture / TCS	7.00
Ajit Kumar Tiwary	CSE	2024	TCS	3.36
Akash Chatterjee	CSE	2024	IBS Software Pvt Ltd	4.00
Akash Das	CSE	2024	Accenture	4.35
Akash Das	CSE	2024	Mechlin Technologies	3.50
Akash Talukdar	CSE	2024	Ayant Software	1.80
Alok Kumar Gupta	CSE	2024	ITC Infotech	4.25
Amit Kumar Mridha	CSE	2024	EY India	6.48
Anil Kumar	CSE	2024	TCS	3.36
Anish Mohanta	CSE	2024	Ayant Software	1.80
Anshu Bhowmik	CSE	2024	Edustation	3.84
Anubhav Mishra	CSE	2024	Camptra Technologies	4.50
Anumita Singha Roy	CSE	2024	Persistent	5.01
Anurag Das	CSE	2024	Edustation	3.84
Anusha Bera	CSE	2024	Capgemini	4.00
Anwesha Saha	CSE	2024	Capgemini	4.00
Aparupa Banerjee	CSE	2024	Greenwave Solution	3.52
Arghadip Ghosh	CSE	2024	TCS	7.00
Aritro Datta	CSE	2024	CTS	4.02
Arnab Banerjee	CSE	2024	Capgemini	4.00
Arnab Biswas	CSE	2024	Camptra Technologies	4.50
Arnab Chakraborty	CSE	2024	Tech Mahindra	3.25
Arpan Biswas	CSE	2024	EY India	6.48
Arpan Kundu	CSE	2024	TCS	3.36
Arup Kumar Sarkar	CSE	2024	Tech Mahindra	3.25
Ayush Gupta	CSE	2024	Camptra Technologies	4.50

Training & Placement

Details of placement of outgoing students during AY 2023-24

Baijayanta Sengupta	CSE	2024	Greenwave Solution	3.52
Banti Mondal	CSE	2024	ARC Document Solutions India Pvt. Ltd	4.00
Barnava Chatterjee	CSE	2024	Persistent	5.01
Basudeb Saha	CSE	2024	Persistent	5.01
Bhavna Jha	CSE	2024	Capgemini	4.00
Bindiya Basfore	CSE	2024	IBS Software Pvt Ltd	4.00
Biptu Sen	CSE	2024	Accenture	4.35
Brindew Singh	CSE	2024	Greenwave Solution	3.52
Chandranath Mukherjee	CSE	2024	Tech Mahindra	3.25
Debanjan Das	CSE	2024	Mantra labs	5.00
Debarshi Saha	CSE	2024	Mechlin Technologies	3.50
Debojyoti Debnath	CSE	2024	EY India	6.48
Deep Das	CSE	2024	Edvedha Edutech	2.16
Dipanjana Lahiri	CSE	2024	Siechem Technology Pvt Ltd	2.45
Diptajit Biswas	CSE	2024	TCS	3.36
Diptendu Kumar Dey	CSE	2024	ITC Infotech	4.25
Dwijaraj Saha	CSE	2024	CTS	4.02
Ekaghni Mukherjee	CSE	2024	Telaverge	2.40
Gajlur Rahaman	CSE	2024	Siechem Technology Pvt Ltd	2.45
Gourav Shaw	CSE	2024	SLK Software	3.20
Goutam Prasad Sahay	CSE	2024	EY India	6.48
Harsh Sharma	CSE	2024	Quality Kiosk	4.00
Hemant Kumar	CSE	2024	TCS	3.36
Himanshu Shukla	CSE	2024	Camptra Technologies	4.50
Hiten Jaiswal	CSE	2024	TCS	7.00
Hrishika Chakraborty	CSE	2024	Planet Spark	6.50
Humaira Yousuf	CSE	2024	Mechlin Technologies	3.50
Ishika Das	CSE	2024	Capgemini	4.00
Ishita Chel	CSE	2024	ITC Infotech	4.25
Jyoti Kumari Ram	CSE	2024	Mantra labs	5.00
Kahkasha Mukhtar	CSE	2024	Ayant Software	1.80
Kaustav Das	CSE	2024	TCS	3.36
Koyel Chatterjee	CSE	2024	Capgemini / TCS	4.00
Kumar Prithvi Raj	CSE	2024	Ayant Software	1.80
Kushal Kanungo	CSE	2024	TCS	3.36
Mangal Kundu	CSE	2024	Persistent	5.01
Manidip Debnath	CSE	2024	EY India	6.48
Manish Das	CSE	2024	Ayant Software	1.80
Md Kamran	CSE	2024	Greenwave Solution	3.52

Training & Placement

Details of placement of outgoing students during AY 2023-24

Md Rameez Akhtar	CSE	2024	Capgemini	4.00
Md Shoaib	CSE	2024	CTS	4.02
Md Tarif	CSE	2024	Hexaware	4.00
Md Tausif Hussain	CSE	2024	Innoraft	4.80
Md Zaid Siddiqui	CSE	2024	SLK Software	3.20
Megha Das	CSE	2024	Mantra labs	5.00
Mohd Ehtesham	CSE	2024	EY India	6.48
Monalisa Mandal	CSE	2024	Artech	4.68
Muskan Pandey	CSE	2024	Planet Spark	6.50
Nafis Ahmed	CSE	2024	SLK Software	3.20
Niladri Dhar	CSE	2024	Zsclaer	23.50
Nishita Biswas	CSE	2024	Accenture	4.35
Pallab Dutta	CSE	2024	Accenture	4.35
Partha Chakraborty	CSE	2024	TCS	3.36
Payel Paul	CSE	2024	Ayant Software	1.80
Piyush Ghughu	CSE	2024	Tech Mahindra	3.25
Pradyut Dey	CSE	2024	Artech	4.68
Praharsh Raj	CSE	2024	Capgemini	4.00
Prajit De	CSE	2024	Ayant Software	1.80
Prantik Maji	CSE	2024	Greenwave Solution	3.52
Prasenjit Das	CSE	2024	Accenture	4.35
Pritha Banerjee	CSE	2024	TCS	3.36
Priya Mishra	CSE	2024	Persistent	5.01
Priya Saha	CSE	2024	Innoraft	4.80
Priyanshu Ghosh	CSE	2024	Accenture	4.35
Promit Chakraborty	CSE	2024	TCS	3.36
Proson Manna	CSE	2024	Persistant	5.01
Rajdeep Choudhury	CSE	2024	Accenture	4.35
Rajeswari Roy	CSE	2024	Mechlin Technologies	3.50
Rajshekhar Datta	CSE	2024	Artech	4.68
Raju Chatterjee	CSE	2024	Tech Mahindra	3.25
Raktim Chakraborty	CSE	2024	Innoraft	4.80
Raunak Raj	CSE	2024	Artech	4.68
Ravi Kumar Pandey	CSE	2024	TCS	7.00
Rijit Sarkar	CSE	2024	Persistent	5.01
Rimika Chowdhury	CSE	2024	Quality Kiosk	3 .00
Rishav Utkarsh	CSE	2024	SLK Software	3.20
Ritika Samaddar	CSE	2024	Hexaware	4.00
Rituparna Banerjee	CSE	2024	Accenture	4.35
Rohan Sengupta	CSE	2024	Artech	4.68
Rohit Shaw	CSE	2024	IBS Software Pvt Ltd	4.00

Training & Placement

Details of placement of outgoing students during AY 2023-24

Rownack Prasad	CSE	2024	CTS	4.02
Sagar Rakshit	CSE	2024	Artech	4.68
Saief Ali	CSE	2024	Ayant Software	1.80
Saikat Chakraborty	CSE	2024	Ayant Software	1.80
Sampa Chowdhury	CSE	2024	TCS	3.36
Samriddhi Sarkar	CSE	2024	TCS	3.36
Sandipan Ghosh	CSE	2024	SLK Software	3.20
Sanjoy Debnath	CSE	2024	TCS	3.36
Saurabh Shekhar	CSE	2024	Capgemini	4.00
Sayan Manna	CSE	2024	TCS	9.00
Sayantan Talukdar	CSE	2024	Accenture	4.35
Sayantika Dubey	CSE	2024	Hexaware	4.00
Shayan Chakraborty	CSE	2024	TCS	3.36
Shrestha Poddar	CSE	2024	Accenture	4.35
Shreya Dutta Chowdhury	CSE	2024	TCS	3.36
Shruti Gupta	CSE	2024	Capgemini	4.00
Simran Sharma	CSE	2024	Capgemini	4.00
Sk Mahammad Mukim	CSE	2024	CTS	4.02
Sneha Adhikary	CSE	2024	Edvedha Edutech	2.16
Sneha Chakraborty	CSE	2024	Artee Flow Controls Private Limited	3.20
Soham Saha	CSE	2024	TCS	9.00
Somoshis Chatterjee	CSE	2024	Tech Mahindra	3.25
Soumasree Das	CSE	2024	Accenture	4.35
Soumita Basu	CSE	2024	TCS / Accenture	3.36
Soumya Kanrar	CSE	2024	TCS	3.36
Soumyadeep Dhar	CSE	2024	Hexaware	4.00
Souradeep Paul	CSE	2024	Hexaware	4.00
Souvik Das	CSE	2024	TCS	3.36
Souvik Sahana	CSE	2024	TCS	7.00
Souvik Sur	CSE	2024	Innoraft	4.80
Sreerup Ghosh	CSE	2024	Quality Kiosk	4.00
Srishti Bose	CSE	2024	TCS	3.36
Subhamoy Das	CSE	2024	Ayant Software	1.80
Subhanjan Dutta	CSE	2024	Delta X Technologies / TCS	7.00
Subhom Mazumdar	CSE	2024	Prolific	4.00
Sudipto Sil	CSE	2024	Tech Mahindra	3.25
Sugato Bagchi	CSE	2024	TCS	3.36
Sujoy Rana	CSE	2024	Prolific	4.00

Training & Placement

Details of placement of outgoing students during AY 2023-24

Sukanya Roy	CSE	2024	TCS	3.36
Swarnadeep Dutta	CSE	2024	TCS	3.36
Tirthankar Dutta	CSE	2024	TCS	3.36
Tusarjyoti Das	CSE	2024	Tech Mahindra	3.25
Akshay Kumar Roy	ECE	2024	ARC Document Solutions Pvt. Ltd.	4.00
Anannya Naiya	ECE	2024	Ericsson	4.16
Avishek Kumar Bhagat	ECE	2024	Tech Mahindra	3.25
Avtar Singh	ECE	2024	Accenture	4.35
Baisakhi Chowdhury	ECE	2024	Artech Infosystem	4.68
Bikash Samanta	ECE	2024	TCS	3.36
Bipasha Chatterjee	ECE	2024	JSW	5.50
Biswarup Dey	ECE	2024	ARC Document Solutions Pvt. Ltd.	4.00
Bitan Basu	ECE	2024	Hexaware	4.00
Debojyoti Sur	ECE	2024	Ericsson	4.16
Dibyendu Das	ECE	2024	TCS	3.36
Dipen Santra	ECE	2024	Tech Mahindra	3.25
Diptendu Mukherjee	ECE	2024	Tech Mahindra	3.25
Gopal Chandra Dey	ECE	2024	TCS	3.36
Gyanendra Kumar	ECE	2024	Ericsson	4.16
Hindol Das	ECE	2024	ARC Document Solutions Pvt. Ltd.	4.00
Hironmoy Das	ECE	2024	Hexaware	4.00
Hridi Ghosh	ECE	2024	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
Indrani Biswas	ECE	2024	Accenture	4.35
Joydeep Singha	ECE	2024	Ayant Software	1.80
Krishanu Das	ECE	2024	CTS	4.02
Madhumita Das	ECE	2024	Ericsson	4.16
Maitrayee Sengupta	ECE	2024	TCS	3.36
Md Jalish Bakhtawar	ECE	2024	Tech Mahindra	3.25
Nabamita Debnath	ECE	2024	Hexaware	4.00
Nilanjan Mishar	ECE	2024	Schneider Electrics	4.75
Pritam Bhaumik	ECE	2024	TCS	3.36
Pritam Narayan Roy	ECE	2024	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
Priyanka Bhattacharjee	ECE	2024	Artech	4.68
Rohan Raha	ECE	2024	Ericsson	4.16

Training & Placement

Details of placement of outgoing students during AY 2023-24

Rohim Molla	ECE	2024	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
Rupam Chatterjee	ECE	2024	CTS	4.02
Sahana Naser	ECE	2024	TCS	3.36
Saptarshi Ganguly	ECE	2024	Ericsson	4.16
Sarbesh Prajapati	ECE	2024	Tech Mahindra	3.25
Sattwik Dutta	ECE	2024	TCS	3.36
Sayani Bhattacharya	ECE	2024	JSW	5.50
Shouvik Ghosh	ECE	2024	Accenture	4.35
Shrayosee Chowdhury	ECE	2024	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
Sirsha Guha	ECE	2024	TCS	3.36
Subayu Bose	ECE	2024	TCS	3.36
Subhankar Roy	ECE	2024	Edustation	3.84
Sudeshna Paul	ECE	2024	CTS	4.02
Sumana Pal	ECE	2024	Ericsson	4.16
Surya Ghosh	ECE	2024	TCS	3.36
Ujan Roychowdhury	ECE	2024	TCS	3.36
Abhijit Barman	EE	2024	Ayant Software	1.80
Aniket Mitra	EE	2024	PS Group	2.40
Anjan Roy	EE	2024	Manikaran Power Ltd	4.52
Ankit Patra	EE	2024	TCS	3.36
Anubrata Ghosh	EE	2024	Quality Kiosk Technology	4.00
Anuja Roy	EE	2024	TCS	3.36
Aranya Basu	EE	2024	PS Group	2.40
Arpan Das	EE	2024	Manikaran Power Ltd	4.52
Arup Giri	EE	2024	TCS	3.36
Ayan Banerjee	EE	2024	TCS	3.36
Badal Biswas	EE	2024	Ayant Software	1.80
Bidisha Mukherjee	EE	2024	Greenwave Solution	3.52
Biju Mondal	EE	2024	Ayant Software	1.80
Biplab Kar	EE	2024	TCS	3.36
Biprajit Debnath	EE	2024	Embee Software	2.24
Chandan Jana	EE	2024	TCS	3.36
Goutam Mukherjee	EE	2024	Manikaran Power Ltd	4.52
Jayanta Dey	EE	2024	Schneider Electrics	4.75
Joy Das	EE	2024	TCS	3.36
Kriti Keshari	EE	2024	Ayant Software	1.80
Manish Kumar	EE	2024	Gold Stone Cement	2.64
Mayukh Bhattacharyya	EE	2024	PS Group, Electrosteal	2.40

Training & Placement

Details of placement of outgoing students during AY 2023-24

Mehebub Mondal	EE	2024	TCS	3.36
Mohua Sen	EE	2024	Greenwave Solution	3.52
Monalisa Sarkar	EE	2024	TCS	3.36
Moon Haldar	EE	2024	TCS	3.36
Neha Biswas	EE	2024	KEC International	4.00
Nirmal Dey	EE	2024	Greenwave Solution	3.52
Nitesh Ranjan	EE	2024	Quality Kiosk Technology	4.00
Parnajal Dey	EE	2024	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
Rohit Kumar Rajbhar	EE	2024	TCS	3.36
Sandip Das	EE	2024	Ayant Software	1.80
Sayan Sadhukhan	EE	2024	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
Sayari Jana	EE	2024	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
Somasri Saha	EE	2024	KEC International	4.00
Souvik Sen	EE	2024	Schneider Electrics	4.75
Subhajyoti Paul	EE	2024	Lumino Industries	2.16
Subhankar Bhowmik	EE	2024	Manikaran Power Ltd	2.52
Abhradeep Mukherjee	ME	2024	QH Talbros	2.16
Abu Basar	ME	2024	Pinnacle Infotech	2.40
Anirban Pal	ME	2024	TCS	3.36
Arif Jamal	ME	2024	Kinlong Hardware India Pvt. Ltd.	2.87
Jeet Mukherjee	ME	2024	Pinnacle Infotech	2.40
Mainak Ghosh	ME	2024	Titagarh Trail System Ltd	3.24
Md. Arsad Ali Ansari	ME	2024	Gold Stone Cement	2.64
Nayan Das	ME	2024	Kinlong Hardware India Pvt. Ltd.	2.87
Rohan Kundu	ME	2024	Titagarh Trail System Ltd	3.24
Sayan Karmakar	ME	2024	Pinnacle Infotech	2.40
Sayantan Ghosh	ME	2024	QH Talbros	2.16
Soumyadip Ghosh	ME	2024	Nicco Parks & Resorts Ltd	2.40
Soumyajyoti Sarkar	ME	2024	TCS	3.36
Sourav Hati	ME	2024	Uttam Strips Ltd.	2.40
Suman Das	ME	2024	Kinlong Hardware India Pvt. Ltd.	2.87
Sushant Nayak	ME	2024	Titagarh Trail System Ltd	3.24
Sushobhan Misra	ME	2024	Nicco Parks & Resorts Ltd	2.40
Tanumoy Paul	ME	2024	Pinnacle Infotech	2.40

Training & Placement

Details of placement of outgoing students during AY 2023-24

Ankit Halder	ROB	2024	Kinlong Hardware India Pvt. Ltd.	2.87
Dhruba Ghosh	ROB	2024	Nicco Parks & Resorts Ltd	2.40
Paramita Paramanya	ROB	2024	Pinnacle Infotech	2.40
Taniea Bhowmick	ROB	2024	Kinlong Hardware India Pvt. Ltd.	2.87

DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074 Website: www.surtech.edu.in, Email: info@dsec.ac.in

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Library Resources 2023-24

Library Resources

Library Services

The Library is an information resource center providing books, magazines, periodicals, and news-papers. Computers offer Internet access to online databases of full text periodicals and electronic books. The Library offers study rooms, course reserve materials, and photocopy machines.

The Library has more than **47,526** books (according to Accession Register), **04** Newspaper and **14** Journals and Magazines are purchased by the Library on regular basis. Besides these, **07** carrier oriented journals and **01** carrier oriented newspapers are purchased regularly for students so that they make prepare themselves for different competitive examinations. The Library, besides having a huge collection of books on engineering, science and humanities offers library services through its various Divisions.

Capable of accommodating 150 students, the DSCSITSC Library have CD-ROMS, E-journal, E-Books, magazines, Newspaper, B.O.G. reports, subject dictionaries, career guide books, ready references and previous years' question papers (Online + offline). The library provides a free and congenial atmosphere for sharing awareness, wisdom and information.

The whole Library is under the surveillance of CCTV.

Area: Total Carpet area 7500 sq.ft.

Library Opening Hours

Other than the holidays and Sundays, library remains opens on Monday to Friday: 8:00 a.m. to 8:00 p.m.
Saturday: 8:00 a.m.to 4:00 p.m.

Library Resources (Printed Document)

Text Books: 35,114

Reference Books: 12,412

Literature Books: 28

Hard copy Journal & Magazine: 07 (Magazine) & 07 (Journals), Newspaper: 5 (4 Daily and 1 weekly)

Previous year question papers are also available in printed form.

E-Resources

E-books: 350
E-Journal: 206+
Database : J-Gate is a bibliographic database that indexes more than 58,000 journals and 71 million articles from over 16,000 publishers.
CD/DVD: 95+

On-Line Text based Information for IEEE ASPP Online- Tier 3

206 no's of online E-journal are fully Downloadable

Library Resources

National Digital Library of India (Govt. of India)

Repository hosts contents for multiple subject domains like Technology, Science, Humanities, Agriculture and Others Repository integrates contents from different Indian Institutional repositories. NDLI is designed to hold content of any language and provide interface support for 10 most widely used Indian languages. The books are available in Indian languages. As the books are being scanned, it has provided an opportunity for developing the Optical Character Recognition (OCR) software of Indian languages. The objective is to collect and collate the metadata and provide a full-text index from various digital libraries, both domestic and international, as well as from other relevant sources. It is a digital repository containing articles, textbooks, audio books, videos, lectures, fiction, simulations and all other kinds of learning media.

Wiley E-Books

Library has Wiley e-book subscription. Wiley E-Book is an IP-based service. Total No. of E-Books Title – 350+.

E-Books with FTP Server

Remote Access of the available E-books and other E-Study Materials in our library has been made through a FTP Server.

CD-DVD Corner

The audio, video and other digital documents are preserved in the DSCSITSC central Library, mainly in CDs and DVDs. These are accessioned as NB (Non Book). More than 95 CDs, DVDs are available in our collection on different subjects under the domain of Engineering.

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Memorandum of Understanding (MoU)

2023-24

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MOU

SL NO	COMPANT NAME	YEAR
1	LI-MAT SOF SOLUTIONS PVT LTD	30-04-2024
2	SRIPAT SINGH COLLEGE	30-04-2024
3	SHYAMPUR SIDDHESWARI MAHA VIDYALAYA	25-07-2023
4	ARDENT COMPUTECH PVT	25-05-2024
5	ENTUPLE TECHNOLOGIES PVT LTD	05-07-2023

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IT Resources 2023-24

IT Resources

Hardware

SERVER - 5

DESKTOP – 536

LAPTOP- 7

LCD Projector -24

Switches - 28

Firewall And Routers – 2 (FortiGate FG 300E & Cyberoam CR100ia Firewall), 1 (Extreme Network Switch),

Printers – 40

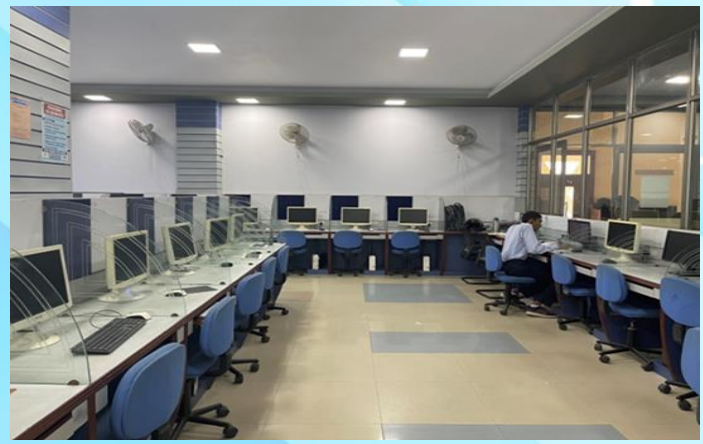
Scanners – 07

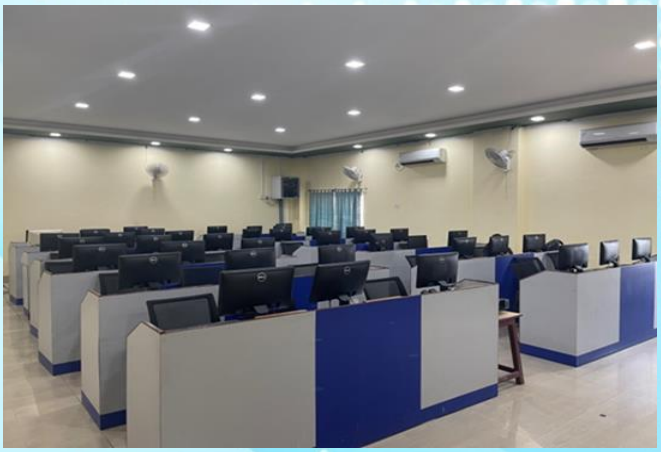
Photocopiers -1

Video Conferencing Systems- 1

Wifi Devices = 36 Bio Metric Device = 2

CCTV Cameras - 130





IT Resources

Services

WiFi Bandwidth –

500 Mbps **Alliance** Broadband Lease Line Connection.

100 Mbps **Railtel** Broadband Lease Line Connection **backup line**,

1 Gbps CAT6 Intranet – connected **Central Computing Facilities:** yes

MHRD's QEEE Infrastructure :

Microsoft Exchange mail server: managed by Hash Technologies

WiFi Facility throughout the campus: yes

Website hosting all Website Details: managed by Hash Technologies

Software

Licensed Software :-

Microsoft Windows (7/8/10/11), Microsoft windows Server (2008/2012/2016/2019)

Application Software	Department	Software
	ECE	MATLAB SOFTWARE, PERPETUAL ACADEMIC CONCURRENT NETWORK LICENSE FOR WINDOW/LINUX/MAC PLATFORMS, LATEST VERSION (2010), 5USER SOFTWARE INCLUDES-MATLAB, CONTROL SYSTEM TOOLBOX ,SINGNALPROCESSING TOOL BOX, DSP SYSTEMS TOOL BOX, COMMUNICATION SYSTEMS TOOL BOX Mentor Software- HDL Author Ultra PE VHDL Bundle S/W (consist of HDL Author Ap SW & Modelsim PE VHDL Ap SW), License- Perpetual, Version- Latest, 1 set of 5 user. P-SIM Latest Version Consists of P-SIM BASIC, DIGITAL CONTROL MODULE, MOTOR DRIVES MODULE, 5 USER NETWORK LICENSE, TERM PERPETUAL.
	CE	Civil- software - 20 user STAAD, Pro V8i & STTAD Foundation Advance MX Road etc with India Code of design software Academic Perpetual

IT Resources

Application Software	Department	Software
	Library	Software(LIBMAN 5.3).
	AUE	Autocad 2005-win Student edu – single user License. CATIA V5 (ED2) Academic Latest Edition Licenses Including one (01) year ALC – 05 User Bundle(Perpetual License)
	CSE	Microsoft Campus Agreement. SQL SrvStd 2012 SNGL OLP NL Acdmc SQL Server 2019 Standard Edition Educational. Edraw max 5 user
	EE	Software-Embeded Lab with sensor Web & Internet of Things (i) IOT Trainer Kit = 2nos (ii) All in one General Purpose Board =2 nos (iii) IOT Gateway = = 1 no (iv) Bluetooth Module = 1 no (v) Router = 1 no (vi) Portable sensor kit = 1 no (vii) a set of Sensors- (Temperature, Humidity, Reed switch, Touch Key, Vibration, Moisture, Dust, Water, Soil, Moisture, Accelerometer, Gyro Meter, Magneto, Pressure, PIR Motion Sensor)= 1 set (viii)Base Board for Interfacing Sensors= 2 nos (Uses for EE Dept.) P-SIM Latest Version Consists of P-SIM BASIC, DIGITAL CONTROL MODULE, MOTOR DRIVES MODULE, 5 USER NETWORK LICENSE, TERM PERPETUAL. POWER WORLD SIMULATOR BASIC BUNDLE LATEST VERSION, 25 LICENSE PERPETUAL, NODE LOCKED SOFTWARE KEY BASED.
	ME	Pro/Engineer Software inclusive of all modules under University plus Lab Bundle Software for 50 User perpetual site license
	BSH	Upgrade of Orell Talk 2.0Smart Version (License Free for Life time Perpetual License for 1 Teacher and 40 Student Consoles at Language Lab 2)

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Department of Basic Science and Humanities

ANNUAL REPORT 2023-24

Department of Basic Science & Humanities

Vision of the department

To provide guidance to all aspiring technocrats through well-developed & innovative teaching learning methodology and to foster students towards R & D, entrepreneurship activities for their future prospectus with strong foundations in Mathematics, Chemistry, Physics and Communications skills.

Mission of the department

DM1: To emphasize the importance of Basic Science and develop a natural flair for Engineering & Technology

DM2: To promote academic excellence in fundamental Science & Humanities

DM3: To produce competent future technocrats through innovative teaching-learning methodologies

DM4: To create an environment where students' Idea, Creativities and R & D activities are encouraged.

DM5: To create an environment where students' Idea, Creativities and R & D activities are encouraged.

Department of Basic Science & Humanities

Program Outcomes

* **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
* **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
* **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
* **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
* **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
* **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
* **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

* **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
* **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
* **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
* **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
* **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department of Basic Science & Humanities

Brief Overview of the Department

The Department of Basic Sciences and Humanities has been a part of DSCSITSC right from the inception of the college in 2009.

It consists of the core branches of basic science- Physics, Chemistry, Mathematics, Biology along with subjects of Humanities domain.

These subjects lay the essential foundation for the various branches of engineering. The focus is to create an understanding of the basic principles of science and harness the knowledge of the students for designing, building and maintaining a product or process that solves a problem and fulfils a need (technology).

The Department has well-equipped laboratories of Physics, Chemistry and Language to promote overall development of the students by enhancing their practical skills along with incorporation of sound theoretical knowledge.

It also encourages students to take up challenging projects and internships at the National and International level in order to fine-tune their technical skills.

The department garners the importance 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 Basic Sciences and Humanities department have always taken the initiative as first year teachers in all the B. Tech streams to develop the moral characters of the concerned students.

The department of BS&H has rich curriculum and allied activities to provide a comprehensive education for B.Tech graduates. It prepares them to be technically well off, to be critical thinkers, productive citizens, and leaders in a wide range of careers; government as well as an array of managerial options in the private sector.

Department of Basic Science & Humanities

Year	Name of the participant	Designation	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
2023-2024	Abhishek Das	Account Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Kripashankar Tiwari	Office Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Suman Singh	Front Office Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Nirupam Sarkar	Office Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Prasenjit Paul	Assistant Librarian	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Prabir Dutta	Library Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Rahul Choudhary	Store Keeper	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Debina Dey	Manager	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Antara Chowdhury	Office Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Madhab Naskar	Office Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Pallabi Das	Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Sanjib Sarkar	Lab Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Anupama Kumar Guha	Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Jit Majumder	Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Tanmoy Das	Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Sayani Ghosh Saha	Marketing Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Suparna Rej	Tele caller	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Jayanta Si	Senior Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Sandip Bhadra	Senior Technical Assistant	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023
2023-2024	Rajiv Ranjan	Office Executive	Role of Multimedia Tools in Documentations (RMTD)	26/12/2023 to 30/12/2023

Department of Basic Science & Humanities

HOD Message

Dear colleagues and students,

Welcome you all to Basic Science & Humanities Department of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex.

The Basic Science & Humanities Department is the back bone of the entire engineering education system. It comprises Mathematics, Physics, Chemistry, Biology, English and Humanities. The faculty members have undertaken the methodology of classroom teaching based on application of innovative strategies, comprehensive lectures, regular assignments and active interaction between teachers and students. Hence, **the department plays a key role in assessing, evaluating and improving the multi-dimensional skills of the students to build them as the upcoming pillars of foundation of the nation.**

Our departmental laboratories supported by modern equipment to help the students to attain practical knowledge, accurate application and perfection over the presentation skills.

The department is supported by highly qualified faculty with good teaching experience, who put consistent effort to meet the expectations of the students. They are easily accessible and approachable so that students feel free to come for counseling, guidance or for clarifications. **They also play a vital role in imparting placement training in quantitative aptitude, verbal ability and soft skills to pre – final year students.**

A quotation for all my students
"An investment in knowledge pays the best interest" - Benjamin Franklin

Wishing you all a successful and rewarding academic year!

Dr. Dipankar Das
HOD, Department of Basic Science & Humanities
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Department of Basic Science & Humanities

Departmental Achievement:

1. Publication of Paper, Book, Book Chapter:

Serial No.	Name of the Department	Name of the Faculty	Details of Publication		
			Publication Type (Journal/Book Chapter/Conference Proceedings)	Published/ Organized by	Details of Publication (DOI/ISSN/ISBN)
1	Basic Science & Humanities	Dr. Sukhendu Sadhukhan	Journal	Journal of Magnetism and Magnetic Materials [ISSN: 1873-4766	https://doi.org/10.1016/j.jmmm.2023.171373
2		Dr. Sukhendu Sadhukhan	Journal	Journal of Alloys and Compounds [ISSN: 1873-4669]	https://doi.org/10.1016/j.jallcom.2024.175163
3		Dr. Biswajit Das	Journal	ACS Applied Optical Materials [ISSN: 2771-9855]	https://doi.org/10.1021/acsaom.4c00209
4		Dr. Dipankar Das	Book publication	Crown Publishing [ISBN:978-93-6426-142-5]	ISBN:978-93-6426-142-5
5			Patent Granted	Granted	Design No.411955-001 Date :29/3/24
6		Pallabi Bose	Book Chapter	Shades Publishers [ISBN:978-93-94542-26-6]	ISBN:978-93-94542-26-6
7			Book Chapter	Ideal International E – Publication Pvt. Ltd. [ISBN:978-81-971906-7-4]	ISBN:978-81-971906-7-4
8			Patent filed	Filed	Diary Number: 1431/2024-CO/L Date :12/01/2024
9		Nibedita Biswas	Journal	Journal of Emerging Technologies and Innovative Research	ISSN : 2349-5162
10		Debasmita Roy Chowdhury	Book Chapter	Ideal International E – Publication Pvt. Ltd. [ISBN:978-81-971906-7-4]	ISBN:978-81-971906-7-4
11			Book Chapter	Ideal International E – Publication Pvt. Ltd. [ISBN:978-81-971906-7-4]	ISBN:978-81-971906-7-4
12			Book	Shades Publishers [ISBN:978-93-94542-57-0]	ISBN:978-93-94542-57-0

Departmental Achievement

1. Seminar/ Workshop/ Conference Organized :

Seminar/ Workshop/ Conference Organized at the Institute-Commencement of the semester to till date

Sl. No.	Name of Visitor / Guest Speaker	Designation/ Occupation	Seminar/ Workshop/ Conference Topic	Total Participant	Date	Organized By (Dept. Name/Institute level)
1	Prof. Prof.(Dr.) Jyotsna Kumar Mandal	Professor, Department of Computer Science and Engineering, University of Kalyani	Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Grant, and Patent Writing	100	13/05/2024 to 17/05/2024	Basic Science and Humanities Department, DSCSITSC,JIS Group

FDP Attended by BSH Faculty

Sl No.	Name of Participant	Title of FDP	Name of Organizer	Date	Participation	National/ International	Name of Speaker
1	Dr. Dipankar Das	Modern and Innovative Tools in Engineering and Education	Dept. of Electronics and Communication Engineering under the aegis of IETE-ISF	15.01.2024-19.01.2024	Participated	National	Prof.(Dr.) Jyotsna Kumar Mandal
2		Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Grant, and Patent Writing	Basic Science and Humanities Department, DSCSITSC,JIS Group	13/05/2024 to 17/05/2024	Participated	International	Prof. Suhrit Ghosh ,IACS, Jadavpur
3	Dr. Sukhendu Sadhukhan	Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Grant, and Patent Writing	Basic Science and Humanities Department, DSCSITSC,JIS Group	13/05/2024 to 17/05/2024	Participated	International	Prof. Suhrit Ghosh ,IACS, Jadavpur
4		Unleashing Imagination: Delving into Generative AI and LLMs in Academia & Beyond	Department of Computer Application & Science, IEM Kolkata	20/05/2024 to 24/05/2024	Participated	International	Prof. (Dr.) Diptendu Sinha Roy Dept. of CSE, NIT Meghalaya

Department of Basic Science & Humanities

Departmental Achievement:

FDP Attended by BSH Faculty							
Sl No.	**Name of Participant**	**Title of FDP**	**Name of Organizer**	**Date**	**Participation**	**National/ International**	**Name of Speaker**
5	Dr Biswajit Das	Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Grant, and Patent Writing	Basic Science and Humanities Department, DSCSITSC,JIS Group	13/05/2024 to 17/05/2024	Participated	International	Prof. Suhrit Ghosh ,IACS, Jadavpur
6	Dr Ayan Paul	Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Grant, and Patent Writing	Basic Science and Humanities Department, DSCSITSC,JIS Group	13/05/2024 to 17/05/2024	Participated	International	Prof. Kevin John Flynn ,Plymouth Marine Plankton Laboratory, United KIngdom
7	Ms. Debasmita Roy Chowdhury	Modern and innovative tools in Engineering education	ECE Department, DSCSITSC	15/01/2024 to 19/01/2024	Participated	National	Prof.(Dr.)Jyotsna Kumar Mandal
8		Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Grant, and Patent Writing	Basic Science and Humanities Department, DSCSITSC,JIS Group	13/05/2024 to 17/05/2024	Participated	International	Prof. Kevin John Flynn ,Plymouth Marine Plankton Laboratory, United KIngdom

Department of Basic Science & Humanities

Departmental Achievement:

FDP Attended by BSH Faculty							
Sl No.	**Name of Participant**	**Title of FDP**	**Name of Organizer**	**Date**	**Participation**	**National/ International**	**Name of Speaker**
9	Ms. Pallabi Bose	Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Grant, and Patent Writing	Basic Science and Humanities Department, DSCSITSC,JIS Group	13/05/2024 to 17/05/2024	Participated	International	Prof. Kevin John Flynn ,Plymouth Marine Plankton Laboratory, United KIngdom
10		AICTE/UGC LEARNING OUTCOMES-BASED CREDIT FRAMEWORK (LOCF) EXAMINATION REFORMS WORKSHOP	JISU	08/01/2024 to 12/01/2024	Participated	National	Dr Vinay Kulkarni
11		Modern and innovative tools in Engineering education	ECE Department, DSCSITSC	15/01/2024 to 19/01/2024	Participated	National	Prof.(Dr.)Jyotsna Kumar Mandal
12	Ms. Nibedita Biswas	Modern and innovative tools in Engineering education	ECE Department, DSCSITSC	15/01/2024 to 19/01/2024	Participated	National	Prof.(Dr.)Jyotsna Kumar Mandal
13		Outcome Based Education and Application of Generative AI in Teaching and Research	Gauhati University, Assam	17.04.24-24.04.24	Participated	National	Prof. Dr. Mendus Jacob
14		Empowering Faculty: Unlocking Opportunities in Research, Academic, and Industry through Effective Scientific Paper, Grant, and Patent Writing	Basic Science and Humanities Department, DSCSITSC,JIS Group	13/05/2024 to 17/05/2024	Participated	International	Prof. Kevin John Flynn

Department of Basic Science & Humanities

Departmental Achievement:

MOOCs completed by BSH Faculty				
Sl No.	**Date of Completion**	**Name of Participant**	**Name of the Topic**	**Name of University**
1	23.09.2023	Dr. Dipankar Das	Introduction to Molecular Spectroscopy	The University of Manchester
2	23.09.2023	Nibedita Biswas	The Science of Well-Being	Yale University
3	03.12.23	Debasmita Roy Chowdhury	Foundations on Project Management	Google
4	20.02.2024	Dr. Dipankar Das	Teaching in University Science Laboratories (Developing Best Practice)	University of Amsterdam
5	12.04.2024	Dr. Sukhendu Sadhukhan	Physics 101 - Forces and Kinematics	Rice University
6	09.04.2024	Dr. Sukhendu Sadhukhan	Understanding Modern Physics II: Quantum Mechanics and Atoms	The Hong Kong University of Science and Technology
7	08.01.2024	Pallabi Bose	Differential Equations for Engineers	The Hong Kong University of Science and Technology
8	06.05.2024	Pallabi Bose	Vector Calculus for Engineers	The Hong Kong University of Science and Technology
9	06.04.2024	Nibedita Biswas	Aboriginal Worldviews and Education	University of Toronto
10	29.06.2024	Debasmita Roy Chowdhury	Writing and Editing: Structure and Organisation	University of Michigan

Departmental Achievement:

MoU Organized by BSH Dept.				
Sl No.	**Date of Completion**	**Name of Organization**	**No. of years**	**Outcomes**
1	**30.04.2024**	**Sripat Singh College, Govt. Adided**	**5 years**	**1. To enter into a long-term collaboration, agreement and partnership based on mutual understanding and respect.** **2. The collaboration aims at developing the strengths and human resources of the two institutions.** **3. The elements of the collaboration shall be on joint research and consultancy, workshops, teachers and student exchange and training.** **4. Both institutions shall arrange for suitable and reasonably priced accommodation(s) for the visits of teachers and students from the partner institutions. Office facilities, computers and other services shall be made available for the visiting professors.** **5. Amendments to this MoU can be made when both the Parties agree and shall be approved in writing.**

Department of Basic Science & Humanities

Departmental Achievement

Event organized:

Sl. No.	Name of Dept.	Name of the Industry	Date of Visit	Organized by (Name & Designation)	Outcome
1	Students Induction Program (SIP)	21/08/2023 to 07/09/2023.	168	Department of Basic Science & Humanities	1. To aware the newly admitted students about ragging, sexual harassment free campus and acceptance of grievance. 2. To generate an atmosphere of discipline by sending a clear message that no act of ragging shall be tolerated and any act of ragging shall not go unnoticed and unpunished. 3. The primary objective of the POSH Act is to prevent incidents of sexual harassment in the workplace. 4. Encouraging the Students to express their grievances / problems freely and frankly, without any fear of being victimized.
2	Parent-Teacher Meeting (PTM)	17.11.2023	92	Department of Basic Science & Humanities	To improve their academic performance and widen their skills. They get a sense that their teachers and parents are observing them closely and rooting for their best performance, academically and in extracurricular pursuits. When parents and teachers appreciate them, discuss their performance, try to solve their difficulties, and give them special attention, they are more likely to progress by leaps and bounds. A child's talents and areas of strength can be explored through meetings.
3	International Mother Language Day	21.02.2024	85	Department of Basic Science & Humanities	To acknowledge the significance of the practice of mother- tongue and to honour linguistic diversity across our nation.
4	Mera Pahela Vote Desh Ke Liye	28.02.2024 – 06.03.2024	130	Department of Basic Science & Humanities	Pledge Awareness in the institution and in nearby location Essay Competition to students Podcast to College students Slogan to local area Selfie and Standee among student Speech by different speaker for encouraging student for casting first time vote. Awareness through motivational songs. Few glimpses of the event
5	Credit Card Scheme for even semester 2023-24	21.03.2024	45	Department of Basic Science & Humanities	• Hassle free and collateral security free loan from the Banks. • Maximum credit limit of the Student Credit Card is Rs. 10 Lakhs.

Department of Basic Science & Humanities

Departmental Achievement

Event organized:

Sl. No.	Name of Dept.	Name of the Industry	Date of Visit	Organized by (Name & Designation)	Outcome
6	Industry Visit at Elmech Engineers Pvt. Ltd	06/04/2024	35	Dr. Dipankar Das (HoD) & Dr Sukhendu Sadhukhan Assistant Professor, BSH, DSCSIT	Opportunity to interact with Industry Experts. Learning experience. Enhanced employability and PPOs. Management Lessons. Interpersonal skills enhancement.
7	MoU Signing Ceremony	30.04.2024	-	Department of Basic Science & Humanities	To enter into a long-term collaboration, agreement and partnership based on mutual understanding and respect.
8	PTM	09.05.2024	119	Department of Basic Science & Humanities	To improve their academic performance and widen their skills. They get a sense that their teachers and parents are observing them closely and rooting for their best performance, academically and in extracurricular pursuits. When parents and teachers appreciate them, discuss their performance, try to solve their difficulties, and give
9	Child Labour Day	13.06.2024	119	Department of Basic Science & Humanities	To ensure elementary education for all eligible learners in full-time formal schools and preventing working of children and adolescents for wages or for living in hazardous and non-hazardous economic activities.

DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

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Affiliated to Maulana Abul Kalam Azad University of Technology West Bengal, WBSCTVESD and Approved by AICTE

Department of Civil Engineering

ANNUAL REPORT 2023-24

Department of Civil Engineering

Vision of the department

To be recognized as an internationally acclaimed technical department by achieving excellent standards of quality technical education, keeping pace with the rapidly changing technologies, research and innovations and to produce Civil Engineers of global standards with the capability of accepting new challenges

Mission of the department

DM1: To impart fundamental knowledge of engineering and its practical application by developing state-of-the-art facilities for the department of Civil Engineering.

DM2: To nurture and build people in a rewarding and inspiring environment by fostering creativity, empowerment, innovation and entrepreneurship.

DM3: To build Industry – Institute linkage for quality improvement by promoting participation of industries in the area of consultancy

DM4: To encourage the students towards higher education through research and development activities

Department of Civil Engineering

Program Outcomes

* **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
* **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
* **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
* **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
* **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
* **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
* **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Department of Civil Engineering

* **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
* **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
* **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
* **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
* **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department of Civil Engineering

Program Educational Objective (PEO)

PEO1: Graduates of Civil Engineering department shall become successful in their professional through strong foundation in core principles and ability of analyzing and solving complex engineering problem in real life

PEO2: Graduates will excel in the field of higher studies through lifelong learning.

PEO3: Graduates will excel in effective communication, teamwork, and leadership, enabling them to work collaboratively in multidisciplinary settings and take on leadership roles within their organizations

Department of Civil Engineering

Programme Specific Outcomes (PSOs)

PSO1: Graduates will have strong fundamental knowledge in core topics of each subject and will have the ability to describe, analyse, and solve problems using mathematics and systematic problem-solving technique for core subjects of Civil Engineering

PSO2: Graduates will be able to patronize higher studies and technological practice in Civil Engineering and to keep pace with the modern construction techniques and management tools either in industry or through entrepreneurship

PSO3: Graduates will possess strong professional skills, both written and oral, enabling them to convey technical information effectively to diverse audiences, including clients, colleagues, and the public

Department of Civil Engineering

Brief Overview of the Department

The Department of Civil Engineering of DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX was commenced in the year of 2012. It offers both B.Tech and Diploma Engineering courses. The department has sound infrastructure supported by state of art laboratories. The department is also enriched with good academicians from IIT, NIT, IIEST, JU and other reputed Institutions. The department is frequently conducting industrial visits, seminars, workshops, debate, quiz and other social activities.

Soft skill programs are embedded as a regular part of academics for better placements. Department is conducting parent's teachers meetings from time to time for constant monitoring of academics and attendance of the students. For maintaining better feedback, mentor mentee meetings are held in the department periodically.

Some laboratory experiments are conducted beyond syllabus by bringing experts/scientists from reputed houses. Initiation is being taken by each mentor of the department for completion of NPTEL online courses by the students. Annual sports and college tournaments both outdoor and indoor games are conducted supported by a fantastic indoor stadium at our campus. Active participation of students is held in academic, cultural and sports competition. The department is taking care of placing the students in industry for their summer and winter internship training as per need.

Department of Civil Engineering

HOD Message

Dear colleagues and students,

I am thrilled to address you as the Head of the Civil Department and share my enthusiasm for the incredible work and progress we have made together. As we embark on this new academic year, I want to extend my warmest greetings and express my deep appreciation for your dedication and commitment to excellence.

Our Civil Department has always been a driving force of innovation and knowledge in our institution, and this newsletter is a testament to the remarkable achievements and contributions of our faculty, staff, and students. Through this platform, we aim to showcase our department's accomplishments, share valuable insights, and foster a sense of community and collaboration.

Our department has a proud history of producing competent and skilled civil engineers who leave a lasting impact on society. As we move forward, let us continue to uphold the values of integrity, professionalism, and ethical responsibility that define our field.

In this newsletter, we will highlight the diverse range of research and academic pursuits undertaken by our faculty and students. From cutting-edge research projects to impactful community initiatives, each endeavor is a reflection of our commitment to making a difference in the world.

Department of Civil Engineering

As we face global challenges like climate change and urbanization, civil engineering plays a crucial role in building a sustainable and resilient future. Let us take this opportunity to discuss the role of civil engineering in promoting sustainability, environmental conservation, and inclusive development.

In addition to academic achievements, this newsletter will also feature stories that celebrate our department's vibrant culture and camaraderie. From workshops and seminars to extracurricular activities and student achievements, we aim to showcase the holistic growth of our department.

I encourage all of you to actively participate in this newsletter's creation. Your ideas, contributions, and feedback are invaluable in making it a true reflection of our department's spirit. Let us engage in open discussions, share our experiences, and inspire one another to reach new heights of excellence.

I extend my gratitude to our exceptional faculty and staff for their tireless efforts and dedication to nurturing the next generation of civil engineers. I am also immensely proud of our students, whose enthusiasm and passion continue to drive us forward.

Thank you all for your unwavering support and commitment to the Civil Department. Together, let us seize the opportunities that lie ahead, overcome challenges, and leave a lasting legacy that shapes the future of civil engineering.

Wishing you all a successful and rewarding academic year!

Dr. Biswajit Mukhopaddhay
HOD, Department of Civil Engineering
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Department of Civil Engineering

Departmental achievements

•Year: 2023-2024 Name of the participant: Sourav Kumar Singha, Designation: Assistant Professor Title of the book/Chapter/conference Published: Ethanol Blended Gasoline as an Alternative Fuel in Spark Ignition Engine: A Review in the field of Civil Engineering

•Year: 2023-2024 Name of the participant: Baibaswata Das, Designation: Assistant Professor Title of the book/Chapter/conference Published: Speed and Direction Control of DC Motor using GSM and GPRS Technologies in the field of Civil Engineering

•Year: 2023-2024 Name of the participant: Souradeep Roy, Designation: Assistant Professor Title of the book/Chapter/conference Published: Speed and Direction Control of DC Motor using GSM and GPRS Technologies in the field of Civil Engineering

•Year: 2023-2024 Name of the participant: Krishnendu Kundu, Designation: Assistant Professor Title of the book/Chapter/conference Published: Speed and Direction Control of DC Motor using GSM and GPRS Technologies in the field of Civil Engineering

•Year: 2023-2024 Name of the participant: Sourav Kumar Singha, Designation: Assistant Professor Title of the book/Chapter/conference Published: Speed and Direction Control of DC Motor using GSM and GPRS Technologies in the field of Civil Engineering

•Year: 2023-2024 Name of the participant: Baibaswata Das, Designation: Assistant Professor Title of the book/Chapter/conference Published: Overhead Power Transmission Line Fault Detection & Analysis System Using Microcontroller in the field of Civil Engineering

•Year: 2023-2024 Name of the participant: Souradeep Roy, Designation: Assistant Professor Title of the book/Chapter/conference Published: Overhead Power Transmission Line Fault Detection & Analysis System Using Microcontroller in the field of Civil Engineering

Department of Civil Engineering

Departmental Events

Sl. No	Name of Events	Date of Conduction	No of Participants	Outcome/Resource Person Details
1	webinar session on the event of World Environment Day	06.06.2024	40	Dr. Mainak Bhattacharya, institute postdoctoral fellow, Civil Engineering dept., IIT Delhi
2	webinar on Impact of Emerging Contaminant and Control Countermeasures for Sustainable Rural Drinking Water Supply: A Case Study Lower Ganga River Basin.	23.04.2024	45	Dr. Gaurab Banerjee, a renowned Professor from the School of Water Resource Engineering at Jadavpur University
3	workshop on PRIMAVERA and its applications in the field of civil engineering	30.01.2024	45	Mr. Soumen Dia, a seasoned professional with extensive experience in project management and PRIMAVERA)
4	FDP program on TEKLA software	11.12.2023-20.12.2023	6	Mr. R. Rajashekhara, An accomplished expert in structural engineering and BIM technologies
5	workshop session of CSI ETABS	14.09.2023	24	Mr. Sandip Banerjee, Mentor, Business Coach & guest faculty
6	Industry visit on 2 underground metro stations of Kolkata Metro Rail Corporation - Esplanade Metro Station and Howrah Metro Station	21.09.2023-22.09.2023	80	Kolkata Metro Rail Corporation
7	Seminar session on "Awareness program on Competitive Exam - GATE and ESE"	14.09.2023	70	Mr. KAUSIK AGASTYARAJ, Tutor ACE Engineering Academy, M-Tech in Mechanical Engineering from Jawaharlal Nehru Technological University
8	webinar session on Green Energy and Its Application	28.07.2023	50	Dr. Ananta Kr. Das, professor, Department of Renewable Energy, Maulana Abul Kalam Azad University of Technology

Department of Civil Engineering

Departmental achievements

Faculty achievements :

Year	Name of the participant	Designation	Title of the FDP /MDP/ professional development / administrative training program	Dates (from-to) (DD-MM-YYYY)
2023-2024	Biswabandhu Chatterjee	Associate Professor	CO PO Mapping and CO PO Attainment	10/07/2023 to 14/07/2023
2023-2024	Baibaswata Das	Assistant Professor	Tekla Structures Custom Training (Online)	11/12/2023 to 20/12/2023
2023-2024	Debasish Roy	Assistant Professor	Health Monitoring and Rehbilitation of Structure(HMRS 2023)	18/12/2023 to 23/12/2023
2023-2024	Krishnendu Kundu	Assistant Professor	Tekla Structures Custom Training (Online)	11/12/2023 to 20/12/2023
2023-2024	Nilanjana Banik	Assistant Professor	Present scenario of lighting Sector:Industry 4.0	26/01/2024 to 01/02/2024
2023-2024	Prasun Seal	Assistant Professor	Health Monitoring and Rehbilitation of Structure(HMRS 2023)	18/12/2023 to 23/12/2023
2023-2024	Sourav Kumar Singha	Assistant Professor	Tekla Structures Custom Training (Online)	11/12/2023 to 20/12/2023
2023-2024	Souvik Chakraborty	Assistant Professor	Present scenario of lighting Sector:Industry 4.0	26/01/2024 to 01/02/2024

Department of Civil Engineering

Student achievements :

- Swarnajyoti Paul, 2023 passout Batch Student of Department of CE received the JIS SAMMAN 2022 Award for JIS Puroskar Award for Best Student Departmental Level
- Swarnajyoti Paul, 2023 passout Batch Student of Department of CE received the JIS Puroskar Award for Student with Highest number of Publication Departmental level.
- Moumita Das, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Arnab Chanda, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Anindya Mukherjee, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Sanglap Paul Chowdhury, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Sahana Ray, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Dibendu Ghosh, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Diptendu Chatterjee, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Sohan Chakraborty, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Tarun Kanti Dutta, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Soham Chatterjee, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Saumyadip Kar, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication

Department of Civil Engineering

Student achievements :

- Raunak Bhattacharya, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Sudipta Bhowmik, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Swarnajyoti Paul, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Indrani Dutta, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Debadri Saha, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Kashmita Nath Sarkar, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Apu Sarkar, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Sourja Choudhury, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Nabajit Ghosh, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Saheli Kundu, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Chandan Roy, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Arpita Sinha, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Sourav Mondal, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Vivek Thakur, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Tuhin Das, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication

Department of Civil Engineering

Student achievements :

- Pilot Tripura, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Dipu Chakma, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Suparna Polley, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Pushpendu Pandit, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Mrityunjoy Gupta, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Barsha Das, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Dicky Sherpa, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Saptadwipa Dutta, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Sampad Narayan Dutta, UG student of Department of Civil Engineering received JIS Innovation Award 2024 for Student Publication
- Dibendu Ghosh (CE 2020-24), Dibendu Ghosh (CE 2020-24), Suparna Polley (CE 2020-24), Sourav Naskar (CE 2020-24), Yalambar Rai (CE 2021-25) authored and published article titled “Advancements in GIS and Remote Sensing: A Comprehensive Review” published as proceedings of Multidisciplinary approach in research area.
- Soham Chatterjee (CE 2020-24), Diptyendu Chatterjee (CE 2020-24), Sohan Chakraborty (CE 2020-24), Dip Narayan Sen (CE 2020-24), Gourab Dey (CE 2020-24) authored and presented article “Review on Application of Cold Mix Asphalt”, presented in National Conference on Emerging Approaches Towards Sustainability (EATS-2023) on 6th April, 2024
- Soham Chatterjee (CE 2020-24), Diptyendu Chatterjee (CE 2020-24), Sohan Chakraborty (CE 2020-24) authored and presented article “Low-Cost Pavement Work in a Rural Area”, presented in National Conference on Emerging Approaches Towards Sustainability (EATS-2023) on 6th April, 2024
- 137 number students of Department of Civil Engineering completed MOOC courses from Coursera.

DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

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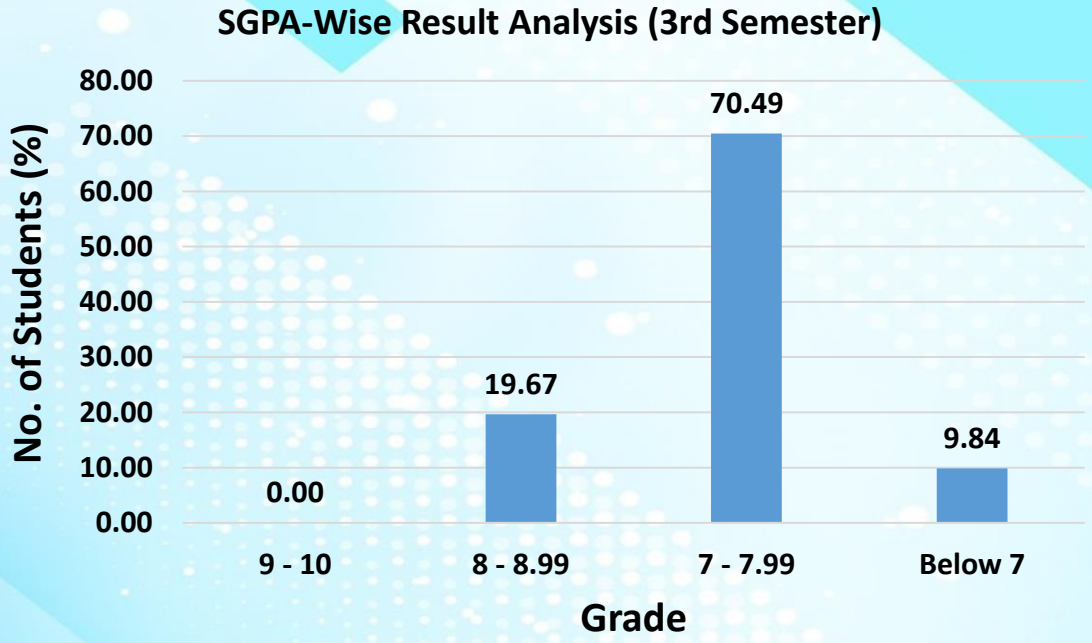
Affiliated to Maulana Abul Kalam Azad University of Technology West Bengal, WBSCTVESD and Approved by AICTE

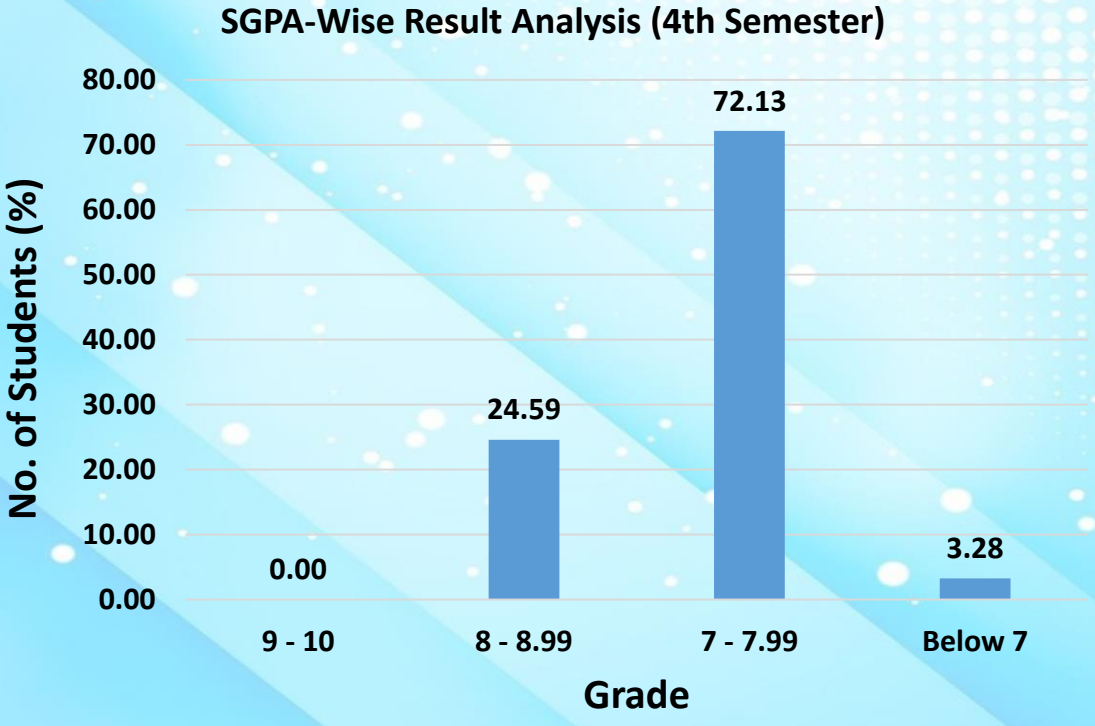
Department of Civil Engineering

Result Analysis 2023-24

Department of Civil Engineering

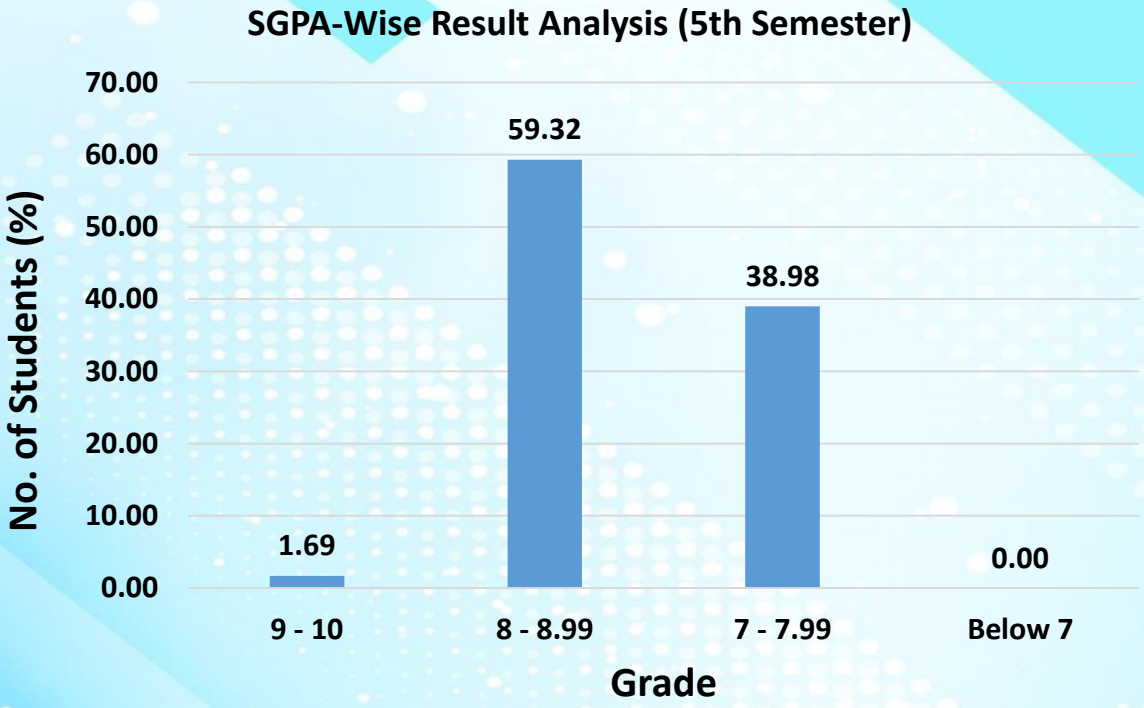
2nd Year

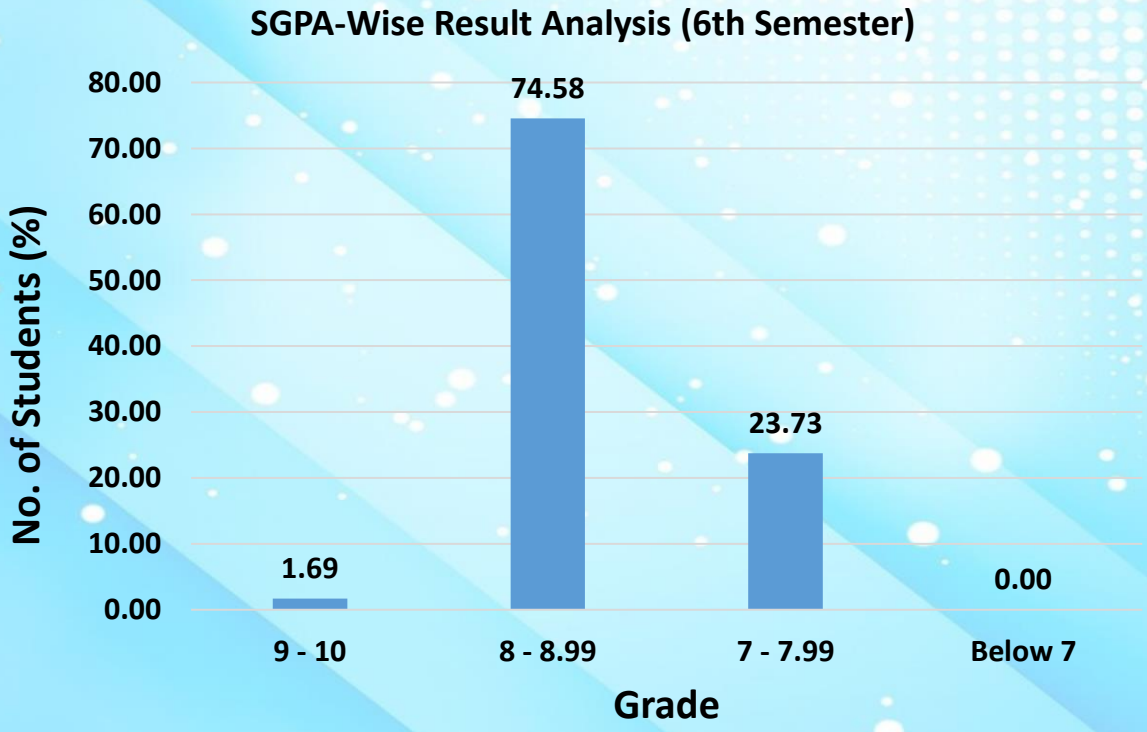




Department of Civil Engineering

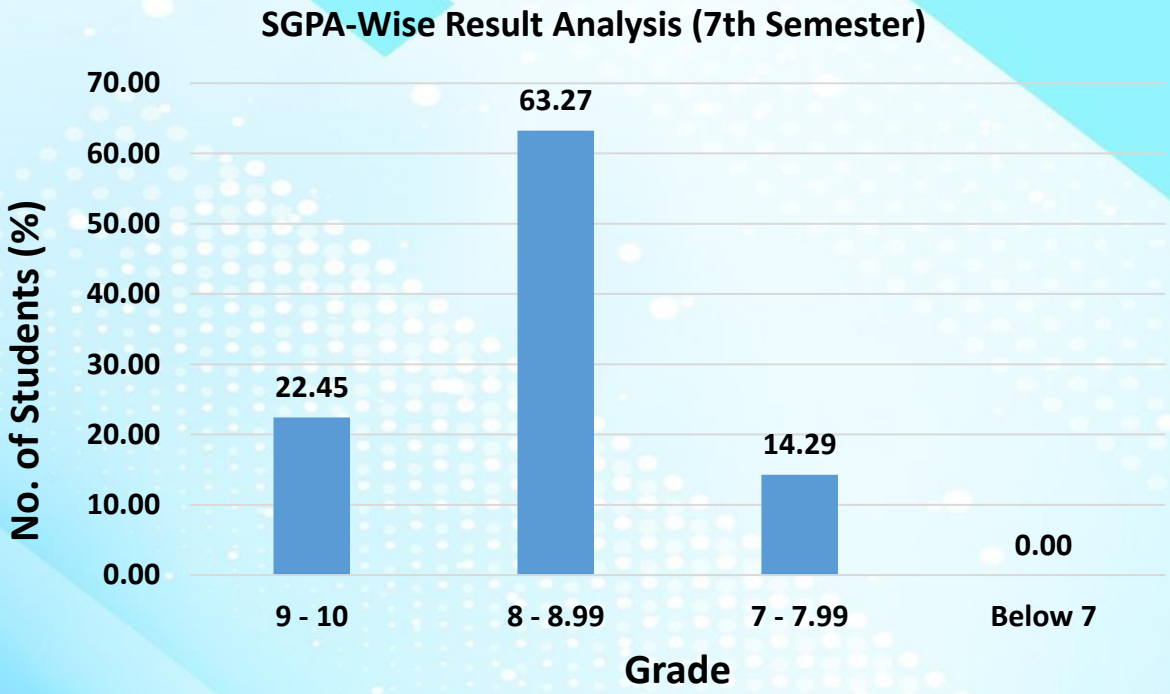
3rd Year

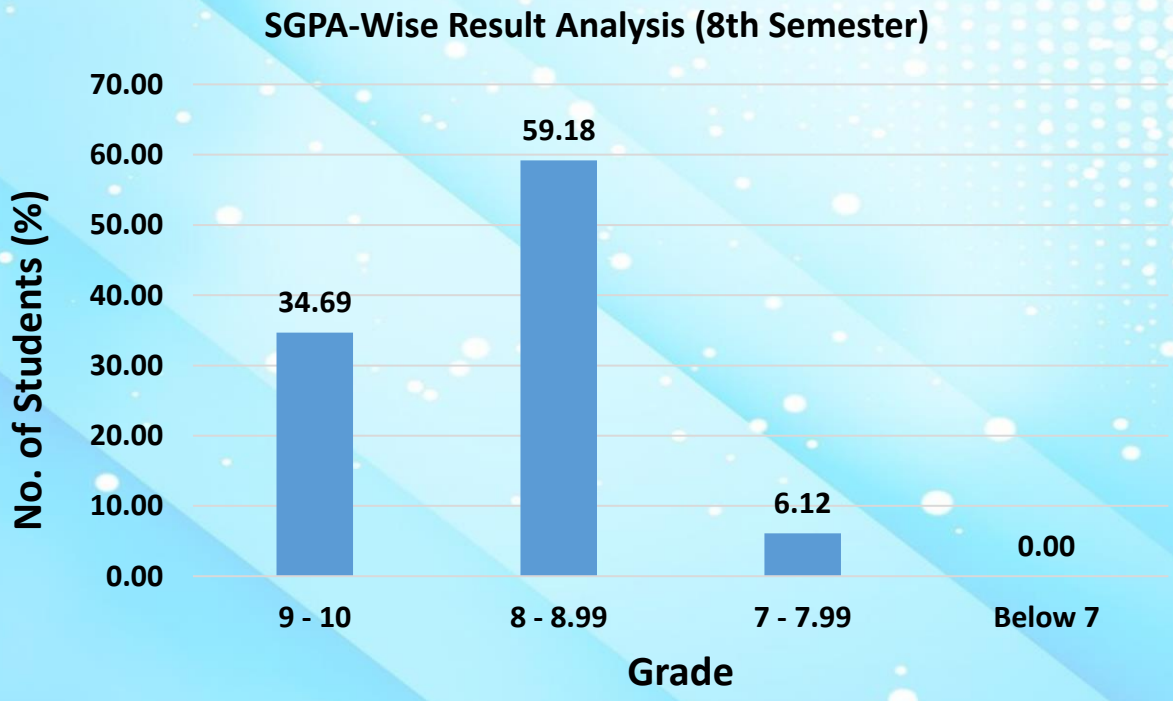




Department of Civil Engineering

4th Year





DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074 Website: www.surtech.edu.in, Email: info@dsec.ac.in

Affiliated to Maulana Abul Kalam Azad University of Technology West Bengal, WBSCTVESD and Approved by AICTE

Department of Automobile Engineering

ANNUAL REPORT 2023 – 24

Department of Automobile Engineering

Vision of the department

To be recognized as a space of excellent education and quality research in the field of Automobile Engineering by adapting transformative teaching-learning process to produce ethical professionals, innovators and entrepreneurs capable of developing the society.

Mission of the department

DM1: To provide the students an excellent academic environment where ethical values will be disseminated along with leadership skills, leading to meaningful contributions towards our society.

DM2: To develop a comprehensive R&D Ecosystem so that the students, faculties can innovate as per societal needs.

DM3: To continuously upgrade the excellence of faculties through Workshops, FDPs and Seminars with the objective to connect with the rapidly changing technologies.

DM4: To collaborate with Industries, Professional Societies and Educational Institutions for the continuous betterment of the students to become Industry-Ready/ Entrepreneurs.

DM5: To practice updated teaching-learning methodologies where fundamental engineering concepts will be blended with different project experiences at all levels of the curriculum to generate new knowledge for the society.

Department of Automobile Engineering

- **Program Outcomes**

* **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
* **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
* **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
* **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpreta- tion of data, and synthesis of the information to provide valid conclusions.
* **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
* **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
* **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Department of Automobile Engineering

* **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
* **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
* **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
* **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
* **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department of Automobile Engineering

- **Program Educational Objective (PEO)**

Department of Automobile Engineering expects its B. Tech graduates to achieve the following after the completion of the program:

- **PEO1:** Graduates will be working as professionals in different Automobile Engineering sectors like design, operations, systems and production.
- **PEO2:** Graduates will be solving complex problems to innovate new solutions using modern tools with the ethical responsibility to meet society requirements.
- **PEO3:** Graduates will be engaged in lifelong learning by doing higher studies, research and being members of professional societies.

Department of Automobile Engineering

- **Program Specific Outcomes (PSOs)**

- **PSO1: Problem-Solving Skills**

Ability to conduct critical analysis and utilize problem-solving techniques, necessary for carrying out research activities in the fields of Automobile Engineering like Engine Testing & Performance Measurement, Alternative fuels and Pollution Control, CAD/CAM and Vehicle Maintenance and Diagnostics.

- **PSO2: Professional Skills**

Ability to plan, design & conduct experiments and simulate the real-life situations involved in Automobile Engineering utilizing efficient, environmental-friendly, sustainable, cost-effective conventional and/or computational methodologies; while operating autonomously or industrial environments.

- **PSO3: Leadership & Inter-personal Skills**

Capacity to compete in the available employment prospects ethically and able to lead, manage, communicate while working in a team proficiently in the Automotive and allied domains.

Department of Automobile Engineering

- **Brief Overview of the Department**

Founded in 2009, Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex established its Department of Automobile Engineering. Initially offering a four-year B.Tech program with a student enrollment cap of 60, the department expanded in 2014, introducing a Diploma in Automobile Engineering with the same enrollment limit.

The department's primary objective is to nurture highly skilled and competent automotive engineers equipped with practical experience and updated knowledge of automotive technology. This ensures a steady supply of qualified professionals, bridging the gap between industry demands and academic training. State-of-the-art laboratory facilities provide students with hands-on instruction in various specialized areas of automobile engineering.

Students studying automobile engineering are exposed to diverse engineering specialities, including mechanical, electrical, electronic, and industrial design. This multidisciplinary approach enables students to attain a comprehensive understanding of the subject. Additionally, the department actively fosters professional growth and industry interaction among its students by supporting student chapters associated with prestigious organizations such as the Society of Automotive Engineers (SAE).

Department of Automobile Engineering

- **HOD Message**

Dear colleagues and students,

I am glad to share with you the Newsletter from the Dr. Sudhir Chandra Institute of Technology and Sports Complex's Automobile Engineering Department. The Newsletter focuses on all Departmental Activities, illuminating the acts, events, and proceedings in which our Departmental Faculty Members and Students have enthusiastically engaged.

We are confident that you will be resourceful enough to take advantage of this circumstance in your lives. We must immediately begin fighting after failing and falling. This is how heroic tales of tenacity and perseverance will be created. The Department of Automobile Engineering makes a commitment to support you in all of your undertakings. So pay attention to your coursework. Pay attention to your lives and work to improve them every day. We are available to assist you. As the mentor of the Automobile Engineering Department and on behalf of the entire faculty, I would want to reassure you that we are here to look out for you and that we will always give you the greatest education possible.

Dr. Sk Tanbir Islam

Head of the Department

Automobile Engineering Department, DSCSITSC

Department of Automobile Engineering

• Faculty Publication

Sl. No.	Name of the Faculty Members	Title	Publication Type	Published/ Organized by	Details of Publication (DOI / ISSN / ISBN)
1	Dr. Ranendra Roy	Energy, exergy and economic optimization of a two-stage refrigeration system using low-GWP alternative refrigerants for high-temperature lift applications	Journal	Journal of the Brazilian Society of Mechanical Sciences and Engineering	https://doi.org/10.1007/s40430-023-04320-9
2	Mr. Kalyan Mukherjee Mr. Pritam Bhattacharjee	Numerical investigation for performance and emission characteristics of a diesel engine fueled with soybean methyl ester biodiesel - Diesel blend	Journal	Journal of Decision Analytics and Intelligent Computing	https://doi.org/10.31181/jdaic10004122023m
3	Dr. Debjit Misra	Effect of Beveled Exit Edge on Burr Formation in Drilling	Conference Proceedings	AIMTDR'23 organized by IIT-BHU	Publication awaiting
4	Dr. Debjit Misra	Reduction of Drilling Burr by Employing a Step Drill Over using a Twist Drill	Conference Proceedings	INCOM'24, Jadavpur University	ISBN: 978-81-954806-6-1

Department of Automobile Engineering

• Faculty Publication

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1	Dr. Ranendra Roy	Energy, exergy and economic optimization of a two-stage refrigeration system using low-GWP alternative refrigerants for high-temperature lift applications	Journal	Journal of the Brazilian Society of Mechanical Sciences and Engineering	https://doi.org/10.1007/s40430-023-04320-9
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Sl. No.	Name of the Faculty Members	Title	Publication Type	Published/ Organized by	Details of Publication (DOI / ISSN / ISBN)
5	Mr. Arindam Mukherjee Mr. Kalyan Mukherjee Mr. Shankha Ghosh Mr. Pritam Bhattacharjee	Algae Biofuel as an Alternative Fuel for Diesel Engine: A Review	Book Chapter	AkiNik Publications, New Delhi	978-93-6135-121-1 https://doi.org/10.22271/ed.book.2595
6		Engine Performance and Emission Analysis by using Lemon Peel Oil in Compression Ignition Engine: A Review	Book Chapter		
7	Mr. Arindam Mukherjee Mr. Kalyan Mukherjee Mr. Shankha Ghosh Mr. Pritam Bhattacharjee Dr. Debjit Misra	Solar Energy Conversion, Storage and Utilization for Sustainable Development	Book Chapter		
8	Mr. Arindam Mukherjee	A Comprehensive Study of Literature and Beyond: Literary Critique, Verbal Aptitude, Interview	Book	Shades Publisher	978-93-94542-57-0
9	Mr. Arindam Mukherjee	Optimizing the implementation of Outcome Based Education: A quantitative novel approach to map Course Outcomes with Program Outcomes	Book Chapter	Ideal International E – Publication Pvt. Ltd.	978-81-971906-7-4

Sl. No.	Name of the Faculty Members	Title	Publication Type	Published/ Organized by	Details of Publication (DOI / ISSN / ISBN)
10	Mr. Arindam Mukherjee Mr. Kalyan Mukherjee Mr. Pritam Bhattacharjee	Automatic Power Factor Compensator Using Arduino UNO	Book Chapter	CRDEEP Publication	978-81-970245-3-5
11		Ethanol Blended Gasoline as an Alternative Fuel in Spark Ignition Engine: A Review	Book Chapter		
12		Speed and Direction Control of DC Motor using GSM and GPRS Technologies	Book Chapter		
13		Overhead Power Transmission Line Fault Detection & Analysis System Using Microcontroller	Book Chapter		
14	Mr. Shankha Ghosh Mr. Kalyan Mukherjee Mr. Arindam Mukherjee Mr. Pritam Bhattacharjee	A Review on Solar-Powered Electric Wheelchair Technology	Book Chapter	Selfypage Developers Pvt Ltd.	978-93-6252-419-5
15	Kalyan Mukherjee Mr. Arindam Mukherjee Mr. Pritam Bhattacharjee	Comparative Performance of various Fuel blend for Diesel Engine in Emission perspective	Journal	International Journal of Scientific Research in Science and Technology	https://doi.org/10.32628/IJSRST

Department of Automobile Engineering

• Seminars / Webinars Conducted

Sl. No.	Date	Topic Name	Speaker
1	30/08/2023	Seminar on Electric Vehicle Battery Technology	Mr. Vishal Sharma Assistant Manager, R&D, Battery Technology, Ola Electric.
2	30/11/2023	Workshop on Automotive Design	Prof. (Dr.) Santanu Das HoD and Professor, Department of Mechanical Engineering, Kalyani Government Engineering College
3	13/03/2024	Orientation Session of IIW Students' Chapter	Prof. (Dr.) Santanu Das, HoD and Professor, Department of Mechanical Engineering, Kalyani Government Engineering College Prof. (Dr.) Tapan Kumar Pal and Mr. Rituraj Bose
4	26/04/2024	Workshop on Solid State welding of Ferrous Materials	Prof. (Dr.) Tapan Kumar Pal Retd. Professor, Department of Materials and Metallurgical Engineering, Jadavpur University
5	10/05/2024	Workshop on CATIA	Mr. Bijay Naskar Senior Faculty; Mr. Sanjib Dutta Senior Marketing Manager Executive; Mr. Debtanu Mondal Academia and Management Cell, Ardent Computech Private Limited

Department of Automobile Engineering

• Industrial Tour

Sl. No.	Name of the Industry Visited	Date
1	Topsel Trucking Bharat Benz, Howrah	16/08/2023
2	Bhandari Automobiles, Sodepur	16/02/2024

Department of Automobile Engineering

- **Participation in MOOCS**

Stream	Number of students	Number of students Joined for the course	Number of students enrolled for the course	Number of students started the course	Number of students completed the course	Number of students not completed the course
Odd Semester (July, 23 - December, 23)						
B.Tech AUE (2020-24)	50	46	44	44	41	3
B.Tech AUE (2021-25)	53	49	47	47	43	4
B.Tech AUE (2022-26)	55	51	46	46	39	7
Even Semester (January' 24 - June, 24)						
B.Tech AUE (2020-24)	50	43	41	41	37	4
B.Tech AUE (2021-25)	53	46	43	43	39	4
B.Tech AUE (2022-26)	55	53	48	48	42	6

Department of Automobile Engineering

• Students Achievements

Sl. No.	Name of the Students	Title	Publication Type	Published/ Organized by	Details of Publication (DOI / ISSN / ISBN)
1	Ayan Bag Anish Kumar Saha Raktim Roy	Algae Biofuel as an Alternative Fuel for Diesel Engine: A Review	Conference Proceedings	Akinik Publishers and Asansol Engineering College	ISBN: 978-93-6135-121-1 https://doi.org/10.22271/ed.book.2595
2	Bishal Ghosh Seershednu Saha Raktim Roy Safreen Zeenat	Engine Performance and Emission Analysis by using Lemon Peel Oil in Compression Ignition Engine: A Review	Conference Proceedings	Akinik Publishers and Asansol Engineering College	ISBN: 978-93-6135-121-1 https://doi.org/10.22271/ed.book.2595
3	Aniket Bhattacharya Aditya Singh	Engine Performance and Emission Analysis by using Lemon Peel Oil in Compression Ignition Engine: A Review	Conference Proceedings	Akinik Publishers and Asansol Engineering College	ISBN: 978-93-6135-121-1 https://doi.org/10.22271/ed.book.2595
4	Bishal Ghosh	Optimizing the implementation of Outcome Based Education: A quantitative novel approach to map Course Outcomes with Program Outcomes	Conference Proceedings	TCSCON'2024 Narula Institute of Technology	978-81-971906-7-4
5	Bishal Ghosh	Comparative performance of various fuel blend for diesel engine in emission perspective	Journal	International Journal of Scientific Research in Science and Technology	https://doi.org/10.32628/IJSRST
6	Aniket Bhattacharya Aditya Singh	A Review on Solar-Powered Electric Wheelchair Technology	Conference Proceedings	Selfypage Developers Pvt Ltd. and JIS College of Engineering	978-93-6252-419-5

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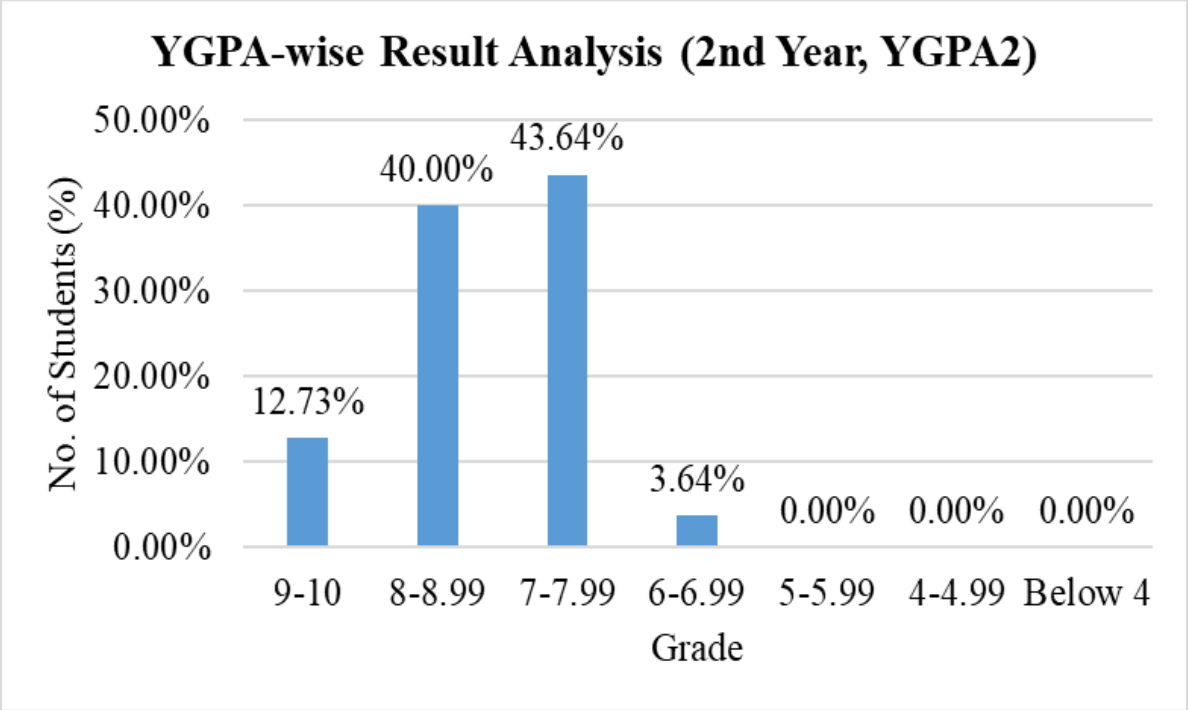
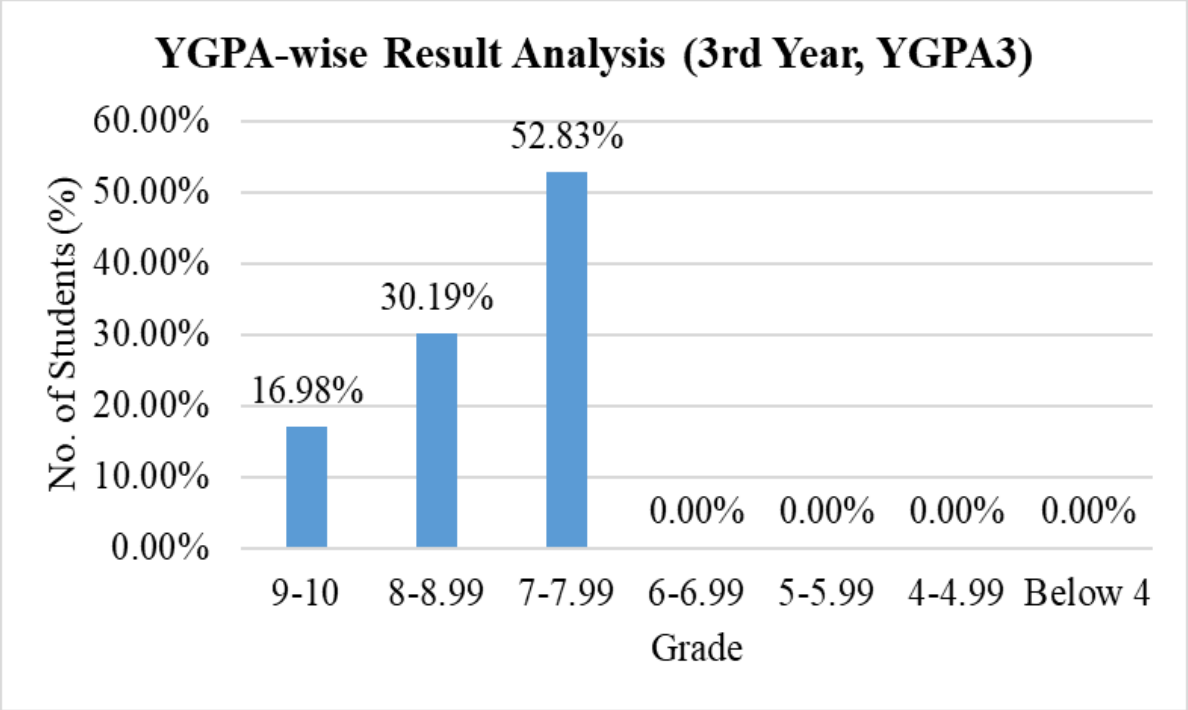
Department of Automobile Engineering

Result Analysis 2023-24

Department of Automobile Engineering

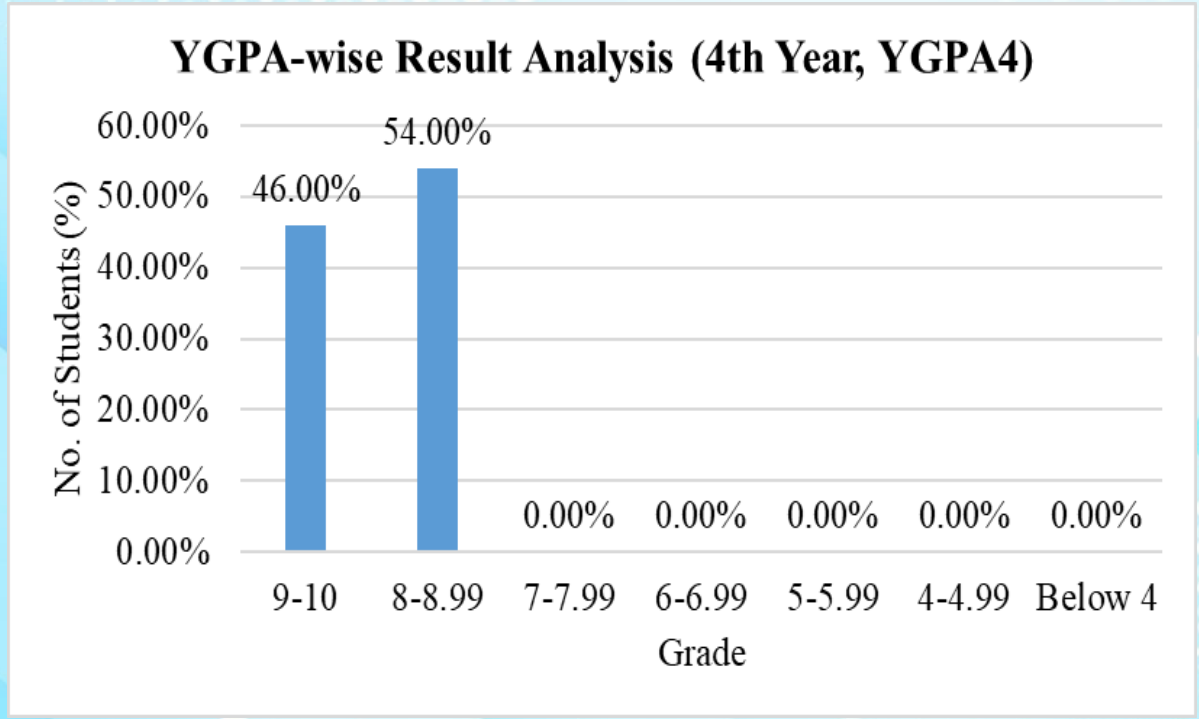
Result Analysis





Department of Automobile Engineering

Result Analysis



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Department of Computer Science & Engineering

ANNUAL REPORT 2023-24

Department of Computer Science & Engineering

Vision of the department

To be a Department of high repute focused on quality education and innovative research in Computer Science & engineering that prepares professionals and entrepreneurs to lead technical, economic and social development of the society.

Mission of the department

- M1: To provide academic environment for the development of skilled professionals empowered with knowledge, skills, values, and confidence to take a leadership role in the field of Computer Sc. & Engineering.
- M2: To cultivate research culture resulting in knowledge and innovative technologies that contributes to sustainable development of the society.
- M3: To inculcate work ethics and commitment in students for their future endeavours to serve socio-economic needs.
- M4: To produce graduates with personal and professional responsibilities with dedication to lifelong learning.

Department of Computer Science & Engineering

Program Outcomes

* **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
* **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
* **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
* **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
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* **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Department of Computer Science & Engineering

* **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
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* **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
* **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department of Computer Science & Engineering

Program Educational Objective (PEO)

PEO1: Graduates will work efficiently as computer science engineers revealing ethical knowledge and leadership qualities in multi-disciplinary areas.

PEO2: Graduates will accustom with varying technologies, tools and societal requirements.

PEO3: Graduates will design and develop solutions that meet individual and industry needs.

PEO4: Graduates will be motivated for life-long learning to adapt the innovation and changes through research and development.

Programme Specific Outcomes (PSOs)

PSO1: Learn and adapt the latest technologies in the field of computer science and engineering.

PSO2. Identify and analyze real life problems and provide software solutions.

Department of Computer Science & Engineering

Brief Overview of the Department

The Department of Computer Science & Engineering of DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPOTS COMPLEX was commenced in the year of 2009. This stream is aimed at providing training in Computer Engineering, software design and hardware-software integration instead of only Software Engineering or Electronic Engineering. Computer Engineers are involved in many hardware and software aspects of computing, from the design of individual microprocessors, personal computers and supercomputers to circuit design. This field of Engineering will not only make the students aware of how the computer systems work, but also help them understand how to integrate each of them to make them work in the bigger picture.

Soft skill programs are embedded as regular part of academics for better placements. Department is conducting parent's teachers meeting time to time for constant monitoring of academics and attendance of the students. For maintaining better feedback, mentor mentee meeting is held in the department periodically.

Department of Computer Science & Engineering

HOD Message

Dear colleagues and students,

I am thrilled to address you as the Head of the Computer Science & Engineering Department and share my enthusiasm for the incredible work and progress we have made together. As we embark on this new academic year, I would like to extend a warm welcome to all members including future engineers to be associated with the teaching learning and R&D activities in the department.

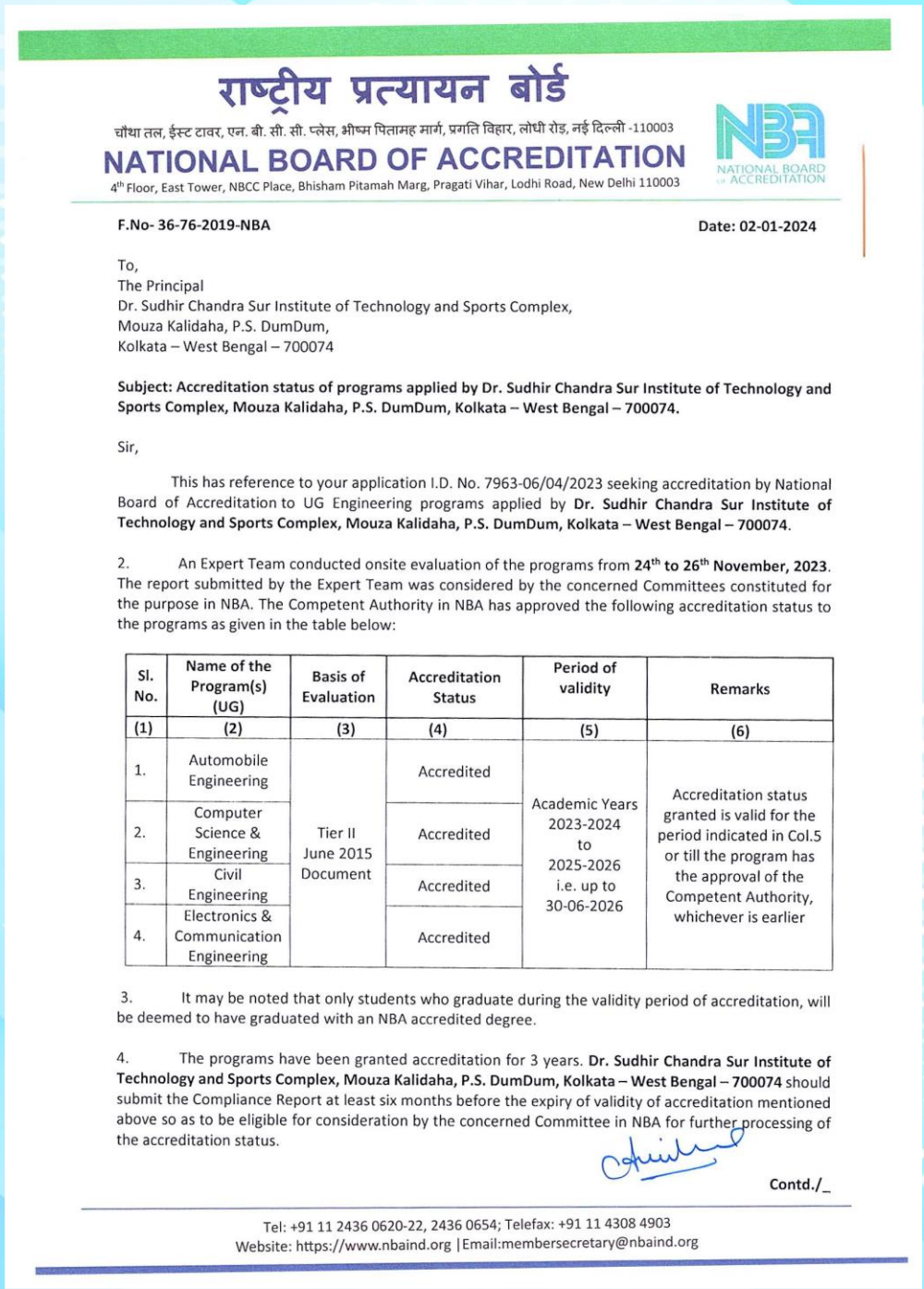
Our department of Computer Science & Engineering welcomes you in the fascinating world of reality vs. virtual reality, from modeling to simulation, from action to implementation of real-world dynamics, engineering, algorithms etc. The Department is dedicated to basic teaching and problem solving of mathematics, physics, environmental science etc. and its application in day-to-day life. e.g., bio-medical engineering, security engineering, robotics and IoT etc. The programme starts with basic needs of the students of the departments to prepare them for upcoming challenges and lifelong learning. The Department provides a blooming environment to both students and faculties. Department interacts with industries and research organizations for state-of-the-art technologies by signing MOUs. Wishing you all a successful and rewarding academic year!

Prof. (Dr.) Himadri Biswas
HOD, Department of Computer Science & Engineering
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Department of Computer Science & Engineering

Departmental achievements

Received NBA accreditation for 3 years



राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

NATIONAL BOARD OF ACCREDITATION

F.No- 36-76-2019-NBA **Date: 02-01-2024**

To,
The Principal
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex,
Mouza Kalidaha, P.S. DumDum,
Kolkata – West Bengal – 700074

Subject: Accreditation status of programs applied by Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, Mouza Kalidaha, P.S. DumDum, Kolkata – West Bengal – 700074.

Sir,

This has reference to your application I.D. No. 7963-06/04/2023 seeking accreditation by National Board of Accreditation to UG Engineering programs applied by **Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, Mouza Kalidaha, P.S. DumDum, Kolkata – West Bengal – 700074**.

2. An Expert Team conducted onsite evaluation of the programs from **24th to 26th November, 2023**. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No.	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Automobile Engineering	Tier II June 2015 Document	Accredited	Academic Years 2023-2024 to 2025-2026 i.e. up to 30-06-2026	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier
2.	Computer Science & Engineering		Accredited		
3.	Civil Engineering		Accredited		
4.	Electronics & Communication Engineering		Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted accreditation for 3 years. **Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, Mouza Kalidaha, P.S. DumDum, Kolkata – West Bengal – 700074** should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above so as to be eligible for consideration by the concerned Committee in NBA for further processing of the accreditation status.

Contd./_

Tel: +91 11 2436 0620-22, 2436 0654; Telefax: +91 11 4308 4903
Website: https://www.nbaind.org |Email:membersecretary@nbaind.org

Department of Computer Science & Engineering

Departmental Events

Sl. No.	Name of Visitor / Guest Speaker	Designation/ Occupation	Seminar/ Workshop/ Conference Topic	Total Participant	Date	Organized By (Dept. Name/Institute level)
1	Mr. Nitish Kumar	Information Security Consultant, eSecForty Technologies Pvt Ltd, Gurugram, Haryana	Webinar	80	24/07/2023	CSE
2	Ms. Iti Ipsita	Production Specialist, CTS	Webinar	42	01/08/2023	CSE
3	Mr. Soumya Raha	Certified Ethical Hacker Ardent Computech Pvt. Ltd	Webinar	40	29/09/2023	CSE
4	Mr. Shouvik Mitra	Aspire vision Tech Education Pvt Ltd	Webinar	112	12/02/2024	CSE
5	Mr. Joydeep Nath	Senior Technical Expert, MicroPro	Seminar	26	11/03/2024	CSE
6	Mr. Deepyan Pal	Director and Founder,Sikharthy Infotech Pvt. Ltd.	Webinar	124	19/04/2024	CSE

Department of Computer Science & Engineering

Departmental achievements

Faculty achievements :

Anjan Kumar Payra, Banani Saha, and Anupam Ghosh. "MEM-FET: Essential protein prediction using membership feature and machine learning approach." Proteins: Structure, Function, and Bioinformatics (2023). https://doi.org/10.1002/prot.26577

Madhusmita Mishra et al., "A Survey of Machine Learning Based Techniques for the Detection of Schizophrenia", International Conference, Innovations in Software Architecture and Computational Systems

Mrs. Madhusmita Mishra published a book chapter An Intelligent Fog-Cloud based approach for detection of diseases through smartphone Sensors, IGI Global.

IPR FILED/PUBLISHED/GRANT

- Patent "Healthcare Management System Computer" was granted on 08/01/2024 which is authored by Chandrima Sinha Roy with application number 6320785.
- Patent "Development Of IOT-Integrated NLP Systems for Duplicate Signature Verification Assisted by Machine Learning" was published by Debdatta Chatterjee on 08/12/2023 with application number 202311076459.
- Patent "Shoulder Exercise Device" was published by Anjan Kumar Payra on 20/10/2023 with application no: 202331060315

Department of Computer Science & Engineering

Departmental achievements

Faculty achievements :

➢Mr. Amitava Halder attended a FDP entitled "Introduction to Java- Coursera" on 2023.

➢Mr. Amitava Halder attended a FDP entitled "Introduction to Machine Learning" on 2023.

➢Mr. Anjan Kr. Payra attended a FDP entitled "What is Data Science?" on 2023.

➢Mr. Arnab Hazra attended a FDP entitled "Machine Learning Foundations: A Case Study Approach" on 2023.

➢Mrs. Debdatta Chatterjee attended a FDP entitled "An Introduction to Cryptography" on 2023.

➢Mrs. Madhusmita Mishra attended a FDP entitled "Machine Learning Foundations: A Case Study Approach" on 2023.

➢Mrs. Rinku Supakar attended a FDP entitled "Machine Learning Foundations: A Case Study Approach" on 2023.
➢Dr. Samarjit Roy attended a FDP entitled "AI For Everyone" on 2023.

➢Mr. Sanjoy Bhattacharjee attended a FDP entitled "AI For Everyone" on 2023.

Department of Computer Science & Engineering

Departmental achievements

Faculty achievements :

➢ Dr. Soumitra Roy attended a FDP entitled “Introduction to Machine Learning” on 2023.

➢Anjan Kumar Payra attended FDP “Innovation in Recent Trends in Computing" at JIS University.

➢Debdatta Chatterjee attended FDP on “STTP on Research Methodology : tools and techniques.”

➢Mr. Anjan Kr. Payra completed 4 week FDP program on “AI For Everyone” from Coursera.

➢Mrs. Debdatta Chatterjee completed 4 week FDP program on “Intro to Operating Systems 1: Virtualization,Introduction to Operating Systems” from Coursera(2023).

➢Mrs. Madhusmita Mishra completed 4 week FDP program on “Cloud Computing Basics (Cloud 101)” from Coursera(2023).

➢Mr. Amitava Halder completed 4 week FDP program on “Introduction to Java” from Coursera(2023).

➢Mrs. Rinku Supakar completed 4 week FDP on “Cloud Computing Basics (Cloud 101)” from Coursera(2023).

➢Mr. Tanbhaba Bhattacharjy completed 4 week FDP on “Blockchain Basics” from Coursera(2023).

Department of Computer Science & Engineering

Student achievements :

Name of StudentWho Enrolled for Higher Education	Program GraduatedFrom	Name of Institution Joined	Name of Program Admitted to
PRANTIK MAJI	B.Tech in CSE	IIT Patna	MTech (CSE)
PRIYA MISHRA	B.Tech in CSE	MAKAUT, WB	MTech (CSE)
ABHISHEK ROY	B.Tech in CSE	KIIT, Odisha	MTech (CSE)
ABHINABA CHAKRABORTY	B.Tech in CSE	MAKAUT, WB	MTech (CSE)

भारतीय प्रौद्योगिकी संस्थान पटना
Indian Institute of Technology Patna

Name : Prantik Maji
Roll No. : 2411CS16
Course : M.Tech.
Department : COMP. SC. & ENGG.
Validity : 31/05/2026

2411CS16

Card Holder

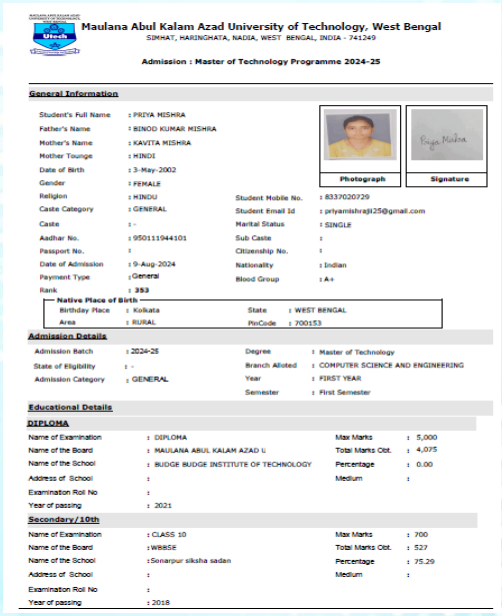
Registrar (I/c)

Scanned with ACE Scanner

Date of Birth : 01/12/2002
Blood Group : B+ve
Address :
Room No.- D3 - 401, Aryabhatta Hostel
Indian Institute of Technology Pa.na
Bihta, Patna - 801106, Bihar

Emergency Contact No. : 9734549718

This card is the property of IIT Patna. It is not transferable and must be presented upon demand to Institute personnel. Lending this card to anyone is a violation of regulation and may lead to confiscation and loss of privileges. There is a replacement fee for a lost card. Report loss immediately. If found, return to: Registrar, IIT Patna, Bihta, Patna - 801106, Bihar



Maulana Abul Kalam Azad University of Technology, West Bengal
SIMHAT, HARINGHATA, NADIA, WEST BENGAL, INDIA - 741249

Admission : Master of Technology Programme 2024-25

General Information

Student's Full Name	: PRIYA MISHRA		
Father's Name	: BINOD KUMAR MISHRA		
Mother's Name	: KAVITA MISHRA		
Mother Tounge	: HINDI		
Date of Birth	: 3-May-2002		
Gender	: FEMALE		
Religion	: HINDU	Student Mobile No.	: 8337020729
Caste Category	: GENERAL	Student Email Id	: priyamishraji25@gmail.com
Caste	: -	Marital Status	: SINGLE
Aadhar No.	: 950111944101	Sub Caste	:
Passport No.	:	Citizenship No.	:
Date of Admission	: 9-Aug-2024	Nationality	: Indian
Payment Type	: General	Blood Group	: A+
Rank	: 353		

Photograph | Signature

Native Place of Birth
Birthday Place : Kolkata | State : WEST BENGAL | Area : RURAL | PinCode : 700153

Admission Details

Admission Batch	: 2024-25	Degree	: Master of Technology
State of Eligibility	: -	Branch Alloted	: COMPUTER SCIENCE AND ENGINEERING
Admission Category	: GENERAL	Year	: FIRST YEAR
		Semester	: First Semester

Educational Details

DIPLOMA

Name of Examination	: DIPLOMA	Max Marks	: 5,000
Name of the Board	: MAULANA ABUL KALAM AZAD U	Total Marks Obt.	: 4,075
Name of the School	: BUDGE BUDGE INSTITUTE OF TECHNOLOGY	Percentage	: 0.00
Address of School	:	Medium	:
Examinaton Roll No	:		
Year of passing	: 2021		

Secondary/10th

Name of Examination	: CLASS 10	Max Marks	: 700
Name of the Board	: WBBSE	Total Marks Obt.	: 527
Name of the School	: Sonarpur siksha sadan	Percentage	: 75.29
Address of School	:	Medium	:
Examinaton Roll No	:		
Year of passing	: 2018		

Kalinga Institute of Industrial Technology(KIIT)
Deemed to be University, Bhubaneswar

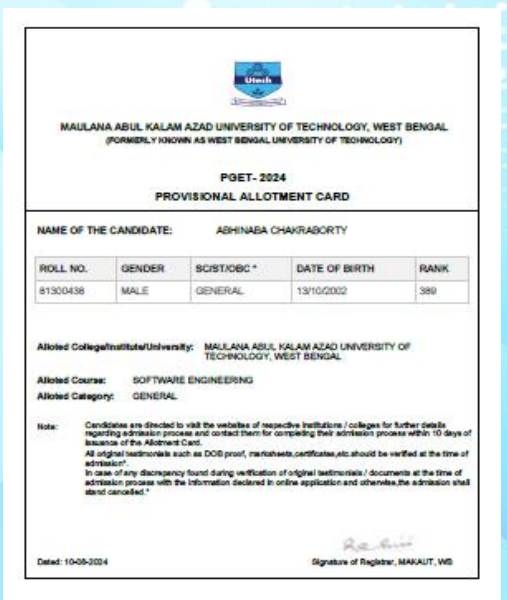
KITEE – 2024

Allotment Letter

Congratulations!!!

Name	:	ABHISHEK ROY
Application No.	:	267813
Category	:	GENERAL
Course	:	M.Tech Computer Science (Computer Science & Engineering)
Student No.	:	1000241596
Session	:	1st Semester
Admission Category	:	Regular

Director , Admissions



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)

PGET- 2024
PROVISIONAL ALLOTMENT CARD

NAME OF THE CANDIDATE: ABHINABA CHAKRABORTY

ROLL NO.	GENDER	SC/ST/OBC *	DATE OF BIRTH	RANK
81300438	MALE	GENERAL	13/10/2002	389

Alloted College/Institute/University: MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
Alloted Course: SOFTWARE ENGINEERING
Alloted Category: GENERAL

Note: Candidates are directed to visit the websites of respective institutions / colleges for further details regarding admission process and contact them for completing their admission process within 10 days of issuance of the Allotment Card.
All original testimonials such as DOB proof, marksheets,certificates,etc.should be verified at the time of admission*.
In case of any discrepancy found during verification of original testimonials / documents at the time of admission process with the information declared in online application and otherwise,the admission shall stand cancelled.*

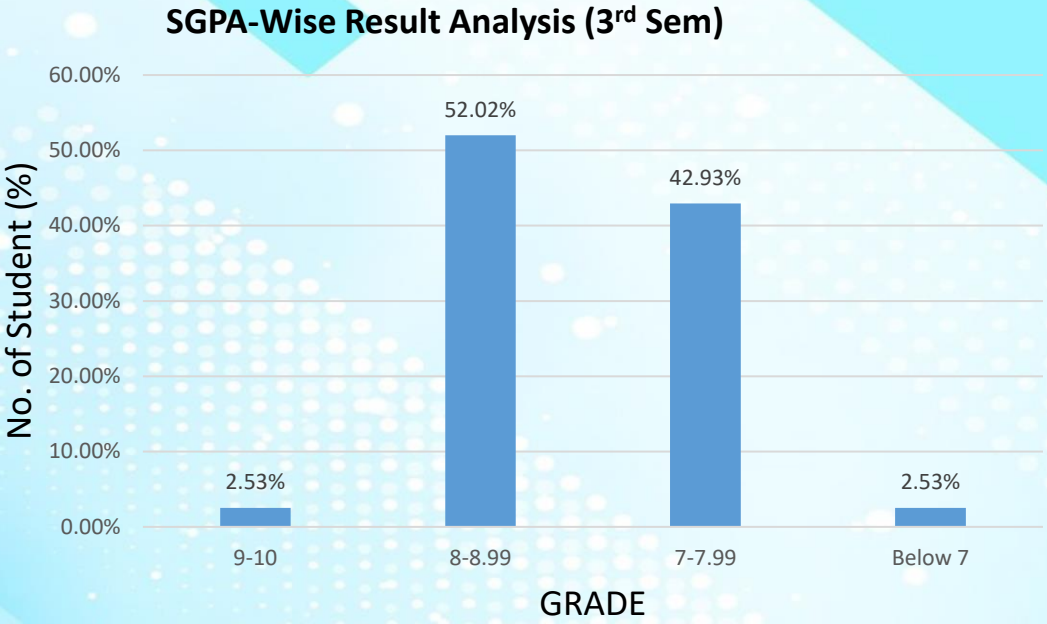
Dated: 10-08-2024

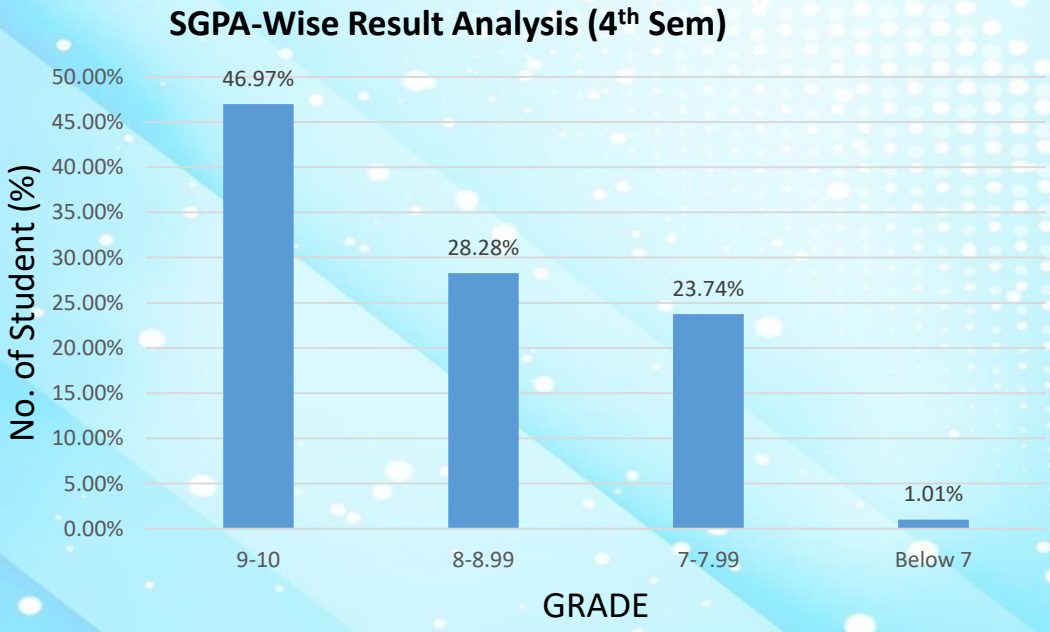
Signature of Registrar, MAKAUT, WB

Result Analysis
2023-24

Department of CSE

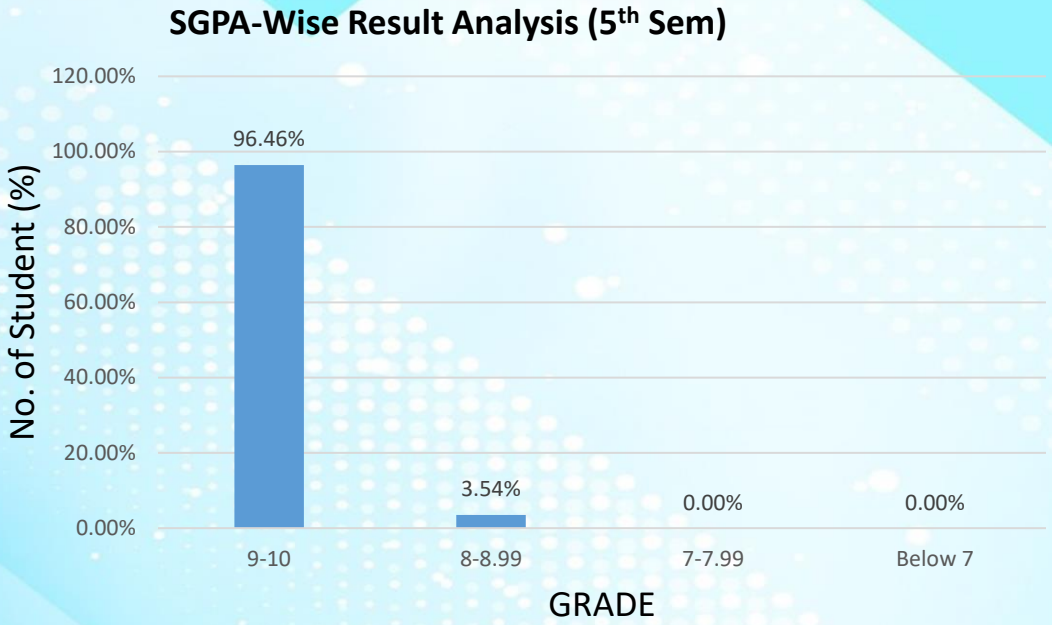
2nd Year

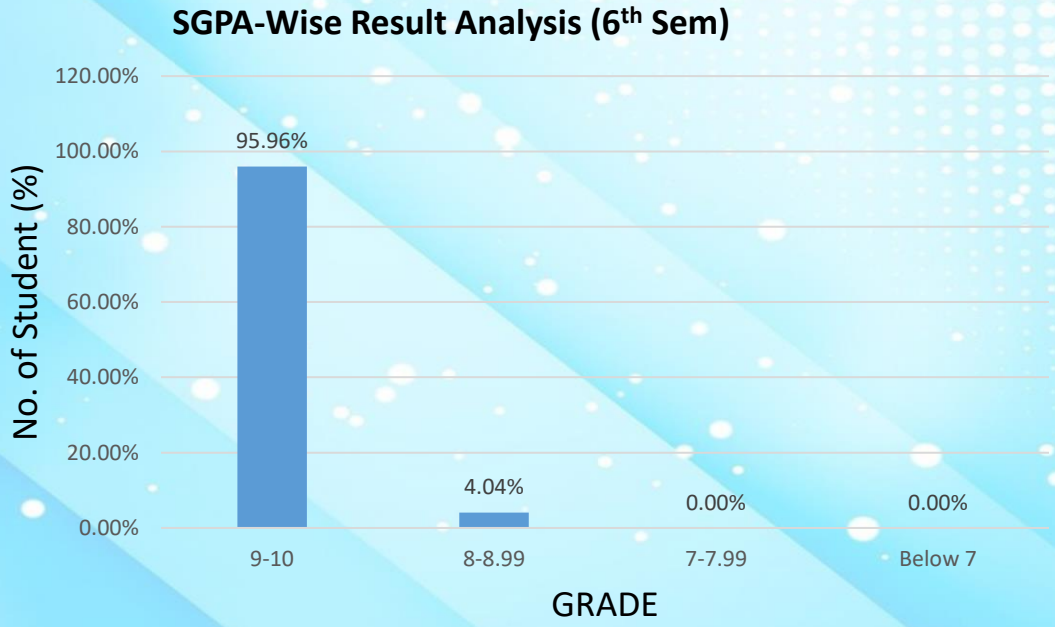




Department of CSE

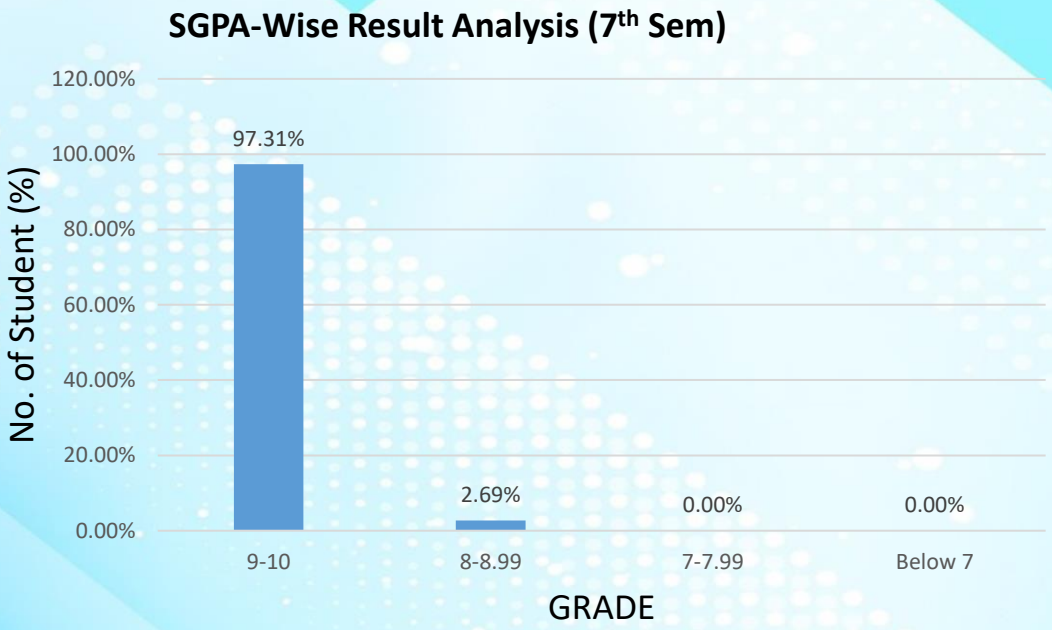
3rd Year

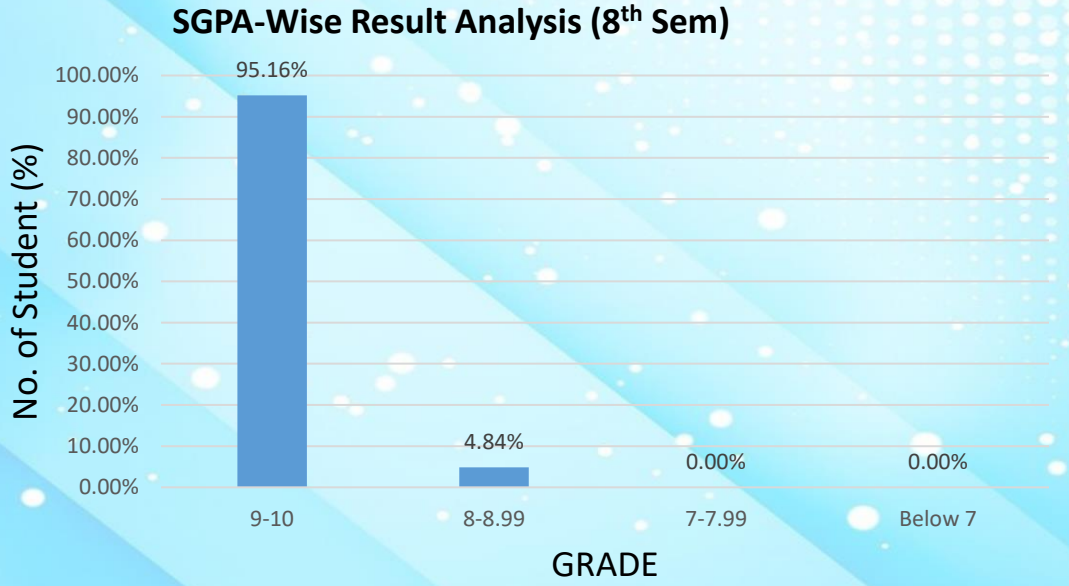




Department of CSE

4th Year





DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074 Website: www.surtech.edu.in, Email: info@dsec.ac.in

Affiliated to Maulana Abul Kalam Azad University of Technology West Bengal, WBSCTVESD and Approved by AICTE

Department of Electronics and Communication Engineering

ANNUAL REPORT 2023-24

Department of Electronics and Communication Engineering

Vision of the department

To be recognized as an internationally acclaimed technical department by To create an educational environment to mould the students to meet the modern Electronics & Communication industry's challenges through state- of-the-art technical knowledge and innovative approaches. Our fundamental tenets are quality, equity, morality, environmental sustainability, energy- saving, and a strong dedication to the cause of technical education and service.

Mission of the department

DM1: To provide State-of-Art Technical Education.

DM2: To conduct research and innovation that will result in the manifestation of knowledge intellectual property.

DM3: To instill in students a sense of professional ethics and societal responsibility..

DM4: To inculcate teamwork and leadership to be industry-ready and employable.

DM5: To assist graduates in becoming an entrepreneur. skills in students

Department of Electronics and Communication Engineering

Program Outcomes

* **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
* **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
* **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
* **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
* **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
* **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
* **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Department of Electronics and Communication Engineering

* **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
* **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
* **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
* **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
* **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department of Electronics and Communication Engineering

Program Educational Objective (PEO)

PEO1: Knowledge of Basic Engineering Sciences: To demonstrate professional accomplishment in industry and academic organizations by demonstrating competence in mathematics, engineering fundamentals, electronics and communication engineering, and related subjects..

PEO2: Engineering Design Skills: To provide the students with the required problem-solving abilities for general engineering design practice.

PEO3: Problem Solving Ability: To develop engineering graduates who can solve problems and go onto advanced study and research in various fields.

PEO4: Programming Skills: Exercising the computer programming skills in writing, testing and maintaining the programs for transforming every student to find employment in the field of Electronics, Science & Technology.

PEO5: Technical Dexterity: To provide the knowledge of designing, building, and testing electronic systems for given specifications using hardware and software techniques in contemporary research and current industry trends.

PEO6: Professional Competence: To implant professional and ethical mindset, strong communication skills, teamwork skills, leadership traits, management abilities in the students for a successful professional career and societal needs.

Department of Electronics and Communication Engineering

Programme Specific Outcomes (PSOs)

PSO1: To analyze, design, and develop solutions for current issues, as well as to use technical expertise to create high- quality products for the electronics and communication-based industries.

PSO2: To develop creative concepts and solutions in RF & Communication, Networking, Embedded Systems, and VLSI in order to adapt to new information and communication technologies.

PSO3: The capacity to apply acquired technical knowledge to find employment in the electronics and communications industries as well as to succeed as an entrepreneur.

Department of Electronics and Communication Engineering

Brief Overview of the Department

The Department of ECE started in 2009 with the capacity of 60 intakes in B.Tech and later added M.Tech courses in Communication Engineering in the year 2013. Both these courses are highly successful and the pass outs are able to contribute immensely in science and technology field.

Every year the successful students are placed in different upcoming domains such as modern telecommunication engineering, Nano technology, VLSI designs, embedded systems, high frequency RF technology, mobile communications, etc. The applicability of Electronics and Communication Engineering is in every aspect of modern technology and therefore it requires constant update with recent R&D practices. The students get enough opportunity to explore the fields of their interest while perusing their regular degrees.

Department of Electronics and Communication Engineering

ECE DEPARTMENTAL NEWS AT A GLANCE

Departmental Events :

1. **Seminar on "Career Opportunities after B.E/B.Tech" organized in associations with ACE Academy on 14 Sept. 2023.**
2. **One-Day Seminar on "A problem that can't be solved with the IF-ELSE condition" on 25th July, 2023.**
3. **One-week Faculty Development Programme (FDP) on "CADENCE Tools for VLSI Design and Design for High Frequency Electromagnetics & related Innovative Technologies" from 27th June to 1st July 2023.**
4. **Department of Electronics and Communications Engineering has been received accreditation by the National Board of Accreditation for its undergraduate programs.**
5. **Industry Visit organized by Department of Electronics & Communication Engineering, SurTech at "Ardent Computech PVT LTD" On 23rd March 2023.**
6. **Department of Electronics and Communication Engineering, SurTech has organized a Physical Industry Visit for the B. Tech ECE, 2 Year, 3rd Year & 4th Year Students on 04.03.2024 at BITM (Birla Industrial and Technological Museum)**
7. **Department of Electronics and Communication Engineering, SurTech has**
8. **organized a Physical Industry Visit for the B. Tech ECE, 2Year, 3rd Year & 4th Year Students on 18.03.2024 at SIMOCO Communication Pvt. Ltd.**

Department of Electronics and Communication Engineering

HOD Message

I am delighted to introduce our current edition of the newsletter 'ECHO' as a forerunner of departmental activities. This issue contains records of notable achievements by Faculties, Students, Placement Data, Departmental Academics and Extra Academic Events, Students ' Technical Write up and others. This newsletter basically captures the Energy and Enthusiasm of all stakeholders who wish to contribute for some bigger cause of the department. It is always good to see the students& faculties bring out their creativity and hidden talents in any form. I do hope that the newsletter will encourage all students and faculties to use it as a platform to showcase their intellectual diversity. I also welcome the readers of 'ECHO', who are my colleagues, students & peers from other department of DSCSITSC and invite their critical comments or usable suggestions for the forthcoming editions. I gainfully recognize the patronage and support received from the Principal, DSCSITSC and management of JIS group for any and all such kind of activities and expect similar support in all future endeavors.

Dr. Anirban Neogi (HOD)
Dept. of Electronics &Communication Engineering
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

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Department of Electronics and Communication Engineering

ECE DEPARTMENTAL NEWS AT A GLANCE

Student's achievements :

- All second and third year students have successfully completed a minimum of one COURSERA course as part of their MOOCS.
- Among the final year students, more than 60% of students from2023 and 2024 pass out batch, have already received job offers from MNCs like Hexaware, Amazon, TCS, Capgemini, Tech Mahindra.
- Rivu Layek, Shayantika Dhar, Bishal Majhi, Debasree Paul as a group has been selected as 1. Vishal Jha; Somnath Dasgupta; Abhigyan Ganguly, Study of PbS Nanomaterial Sensitized ZnO based Solar Cell using SCAPS-1D Simulator, 2023 International Symposium on Devices, Circuits and Systems (ISDCS), DOI: 10.1109/ISDCS58735.2023.10153556, 2023 [SCOPUS]. up in Accenture Innovation Chalenge, 11thNovember, 2021.
- 2. Shayantika Dhar, Bishal Maji, Sunai Das, Munai Das, S.J. Mukhopadhyay, Relative Study on Performance analysis of DMFET and DMTFET based Transducers, ICCECE 2023, 10.1109/ICCECE51049.2023.10085414. [SCOPUS]
- 3. Mrittika Ghosh, Ankan Ghosh, Aditi Bhattacharya, Abir Kapat, Soumyadeep Mandal, Sambit Prasad & Ananya Banerjee, Smart Device and Mobile Application for Remote Health Monitoring and Alarming. Emerging Electronic Devices (Proceedings of ISDCS-2022), Circuits and Systems, pp 375–383, DOI: 10.1007/978-981-99-0055-8_31. 2023. [SCOPUS].

Department of Electronics and Communication Engineering

ECE DEPARTMENTAL NEWS AT A GLANCE

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- 3. Mrittika Ghosh, Ankan Ghosh, Aditi Bhattacharya, Abir Kapat, Soumyadeep Mandal, Sambit Prasad & Ananya Banerjee, Smart Device and Mobile Application for Remote Health Monitoring and Alarming. Emerging Electronic Devices (Proceedings of ISDCS-2022), Circuits and Systems, pp 375–383, DOI: 10.1007/978-981-99-0055-8_31. 2023. [SCOPUS].

Department of Electronics and Communication Engineering

Departmental achievements

Faculty's achievements :

Name of the Faculty	Details of Publication		
	PublicationType (Journal/Book Chapter/Conference Proceedings)	Published/ Organized by	Details of Publication (DOI/ISSN/ISBN)
Ananya Banerjee	Journal	Journal of Advanced Zoology (Web of Science)	ISSN: 0253-7214
	Conference Book Chapter	AdComSys-2024	Springer Nature Book chapter IN Press
	Conference Book Chapter	AdComSys-2024	Springer Nature Book chapter IN Press
	Conference Book Chapter	AdComSys-2024	Springer Nature Book chapter IN Press
Somnath Dasgupta	Conference Book Chapter	Bilsel nternational Turabdin Scientific Researches And Innovation Congress, 04-05May/2024, Mardin/Türkiye	ISBN: 978-625-6501-77-5
	Conference-Student paper	BİLSEL INTERNATIONAL TRUVA SCIENTIFIC RESEARCHES And INNOVATION CONGRESS	ISBN: 978-625-6501-82-9
	Conference-Student paper	BİLSEL INTERNATIONAL TRUVA SCIENTIFIC RESEARCHES And INNOVATION CONGRESS	ISBN: 978-625-6501-82-9
Debasmita Manna	Journal	Journal of Advanced Zoology (Web of Science)	ISSN: 0253-7214
	Conference Book Chapter	AdComSys-2024	Springer Nature Book chapter IN Press
	Conference Book Chapter	AdComSys-2024	Springer Nature Book chapter IN Press
	Conference Book Chapter	AdComSys-2024	Springer Nature Book chapter IN Press
Dr.Anirban Neogi	Journal	Journal of Advanced Zoology (Web of Science)	ISSN: 0253-7214
	Conference-Student paper	2024 International Conference on Computer, Electrical & Communication Engineering (ICCECE)	DOI:10.1109/ICCECE58645.2024.10497450

Department of Electronics and Communication Engineering

Departmental achievements

Faculty's achievements :

Anirbit Sengupta	Conference Book Chapter	In Dew Computing	The Sustainable-IoT Perspectives, pp. 317-345
	Conference Book Chapter	IDCIoT,2023	pp. 914-918. IEEE,2023
	Conference Book Chapter	In Hybrid Computational Intelligent Systems	CRC Press, 2023.
	Conference Book Chapter	In Technological Advancement in E-waste Management	CRC Press, 2024
	Journal	African Journal of Biological Science(AFJBS)	ISSN-2663-2187
	Conference Book Chapter	Bilsel International Turabdin Scientific Researches And Innovation Congress, 04-05 May/2024, Mardin/Türkiye	ISBN: 978-625-6501-77-5
	Conference-Student paper	BİLSEL INTERNATIONAL TRUVA SCIENTIFIC RESEARCHES And INNOVATION CONGRESS	ISBN: 978-625-6501-82-9
	Conference-Student paper	BİLSEL INTERNATIONAL TRUVA SCIENTIFIC RESEARCHES And INNOVATION CONGRESS	ISBN: 978-625-6501-82-9
Dr.Saradindu Panda	Journal	Nanosistemi, Nanomaterial, Nanotehnolog	https://doi.org/10.15 407/nnn.22.01.085
	Conference Book Chapter	ICAECC	http://10.1109/ICAECC59324. 2023.10560220

Department of Electronics and Communication Engineering

Departmental achievements

Faculty's achievements :

Sl. No	Name of Events	Date of Conduction	No of Participants	Outcome/Resource Person Details
1	Webinar on "A problem that can't be solved with the IF-ELSE condition"	25th July, 2023	75	Mr. Kaushik Sarkar, Associate Professor of Narula Institute of Technology
2	Seminar on the topic "Career Opportunities after B.E/B.Tech"	14th September, 2023	45	Dr. Kaushik Agastyarajpta, HOD, ECE of Narula Institute of Technology
3	Five Days' Workshop on "CADENCE Tools for VLSI Design and Design for High Frequency Electromagnetics & related Innovative Technologies"	27th June to 1st July 2023	79	The resource persons are renowned academicians from IITs and other universities)

DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074 Website: www.surtech.edu.in, Email: info@dsec.ac.in

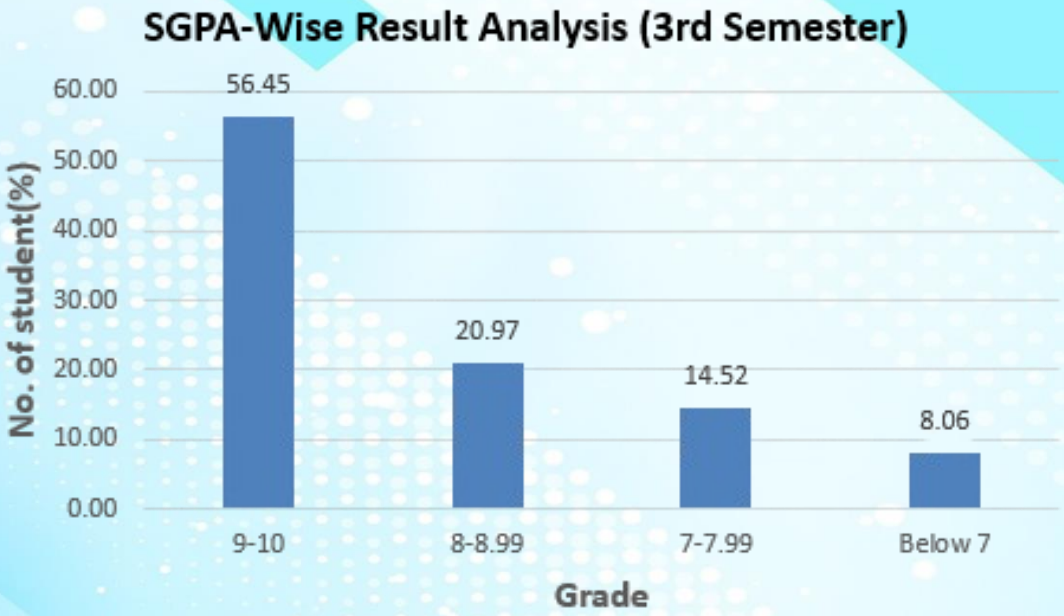
Affiliated to Maulana Abul Kalam Azad University of Technology West Bengal, WBSCTVESD and Approved by AICTE

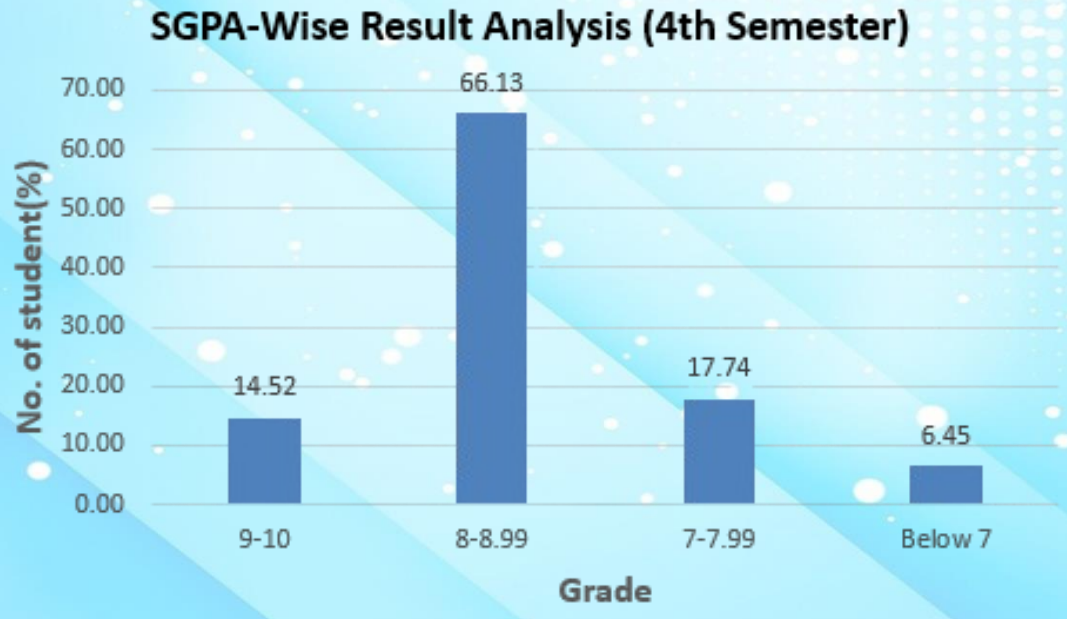
Department of Electronics and Communication Engineering

Result Analysis 2023-24

Department of Electronics and Communication Engineering

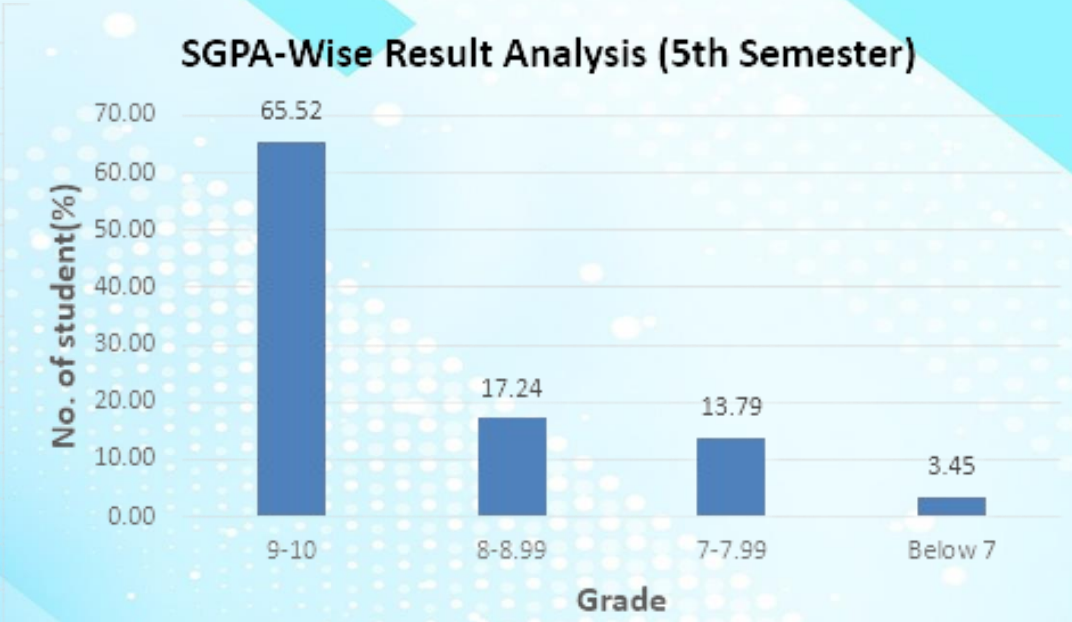
2nd Year

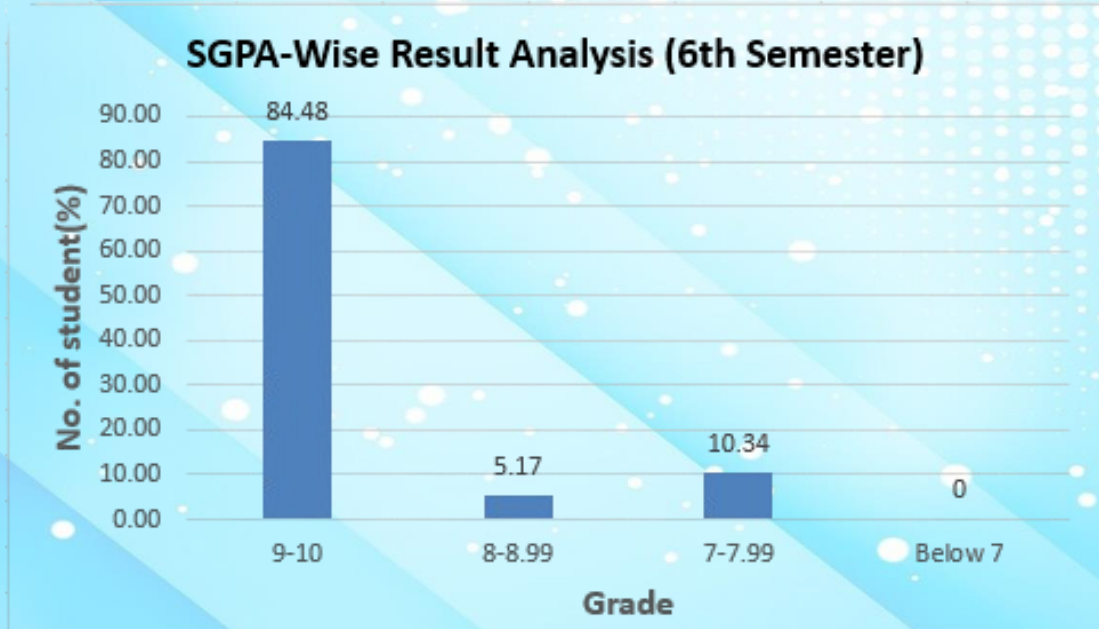




Department of Electronics and Communication Engineering

3rd Year

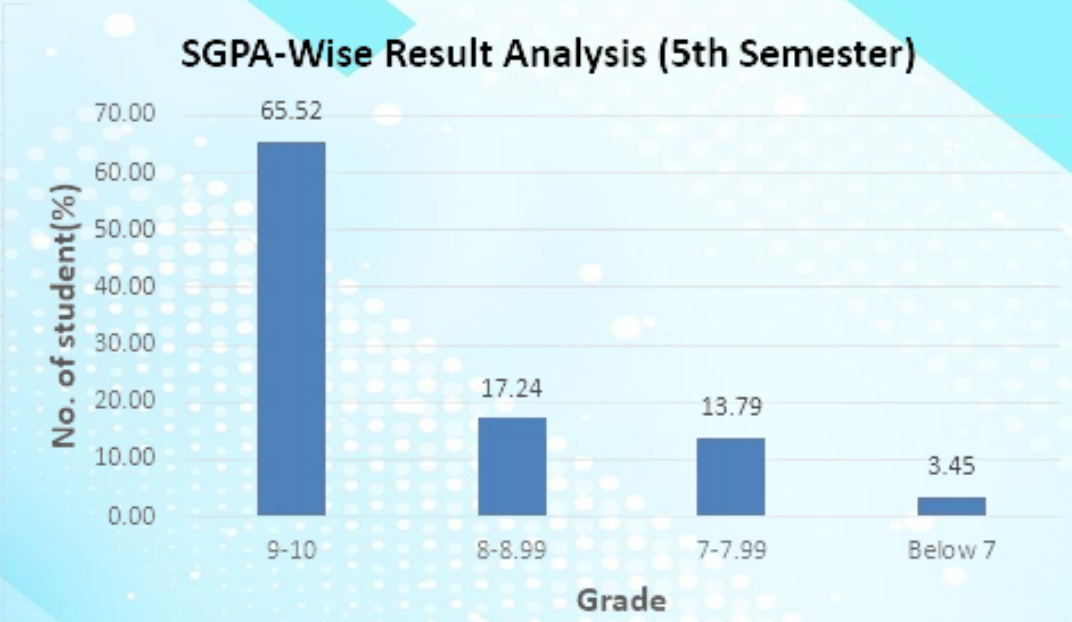


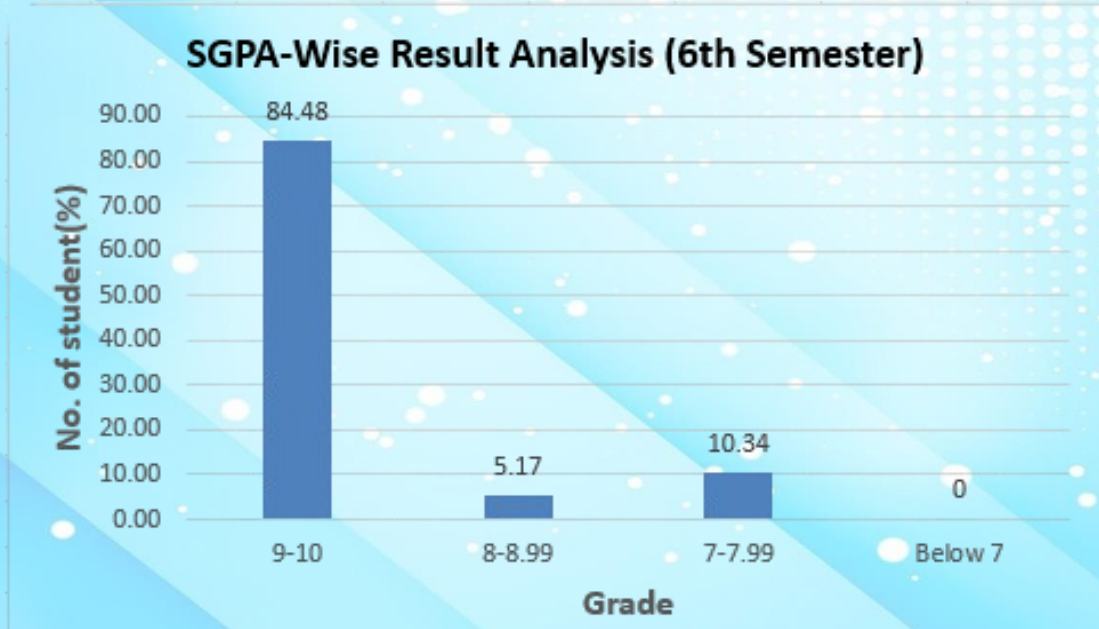


ANNUAL REPORT 2023-24

Department of Electronics and Communication Engineering

3rd Year

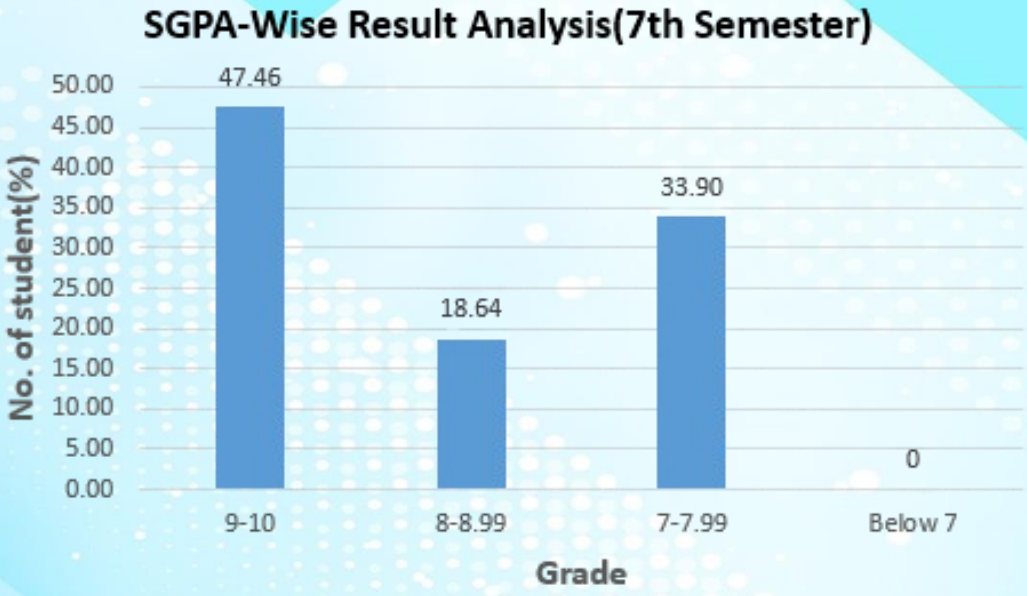


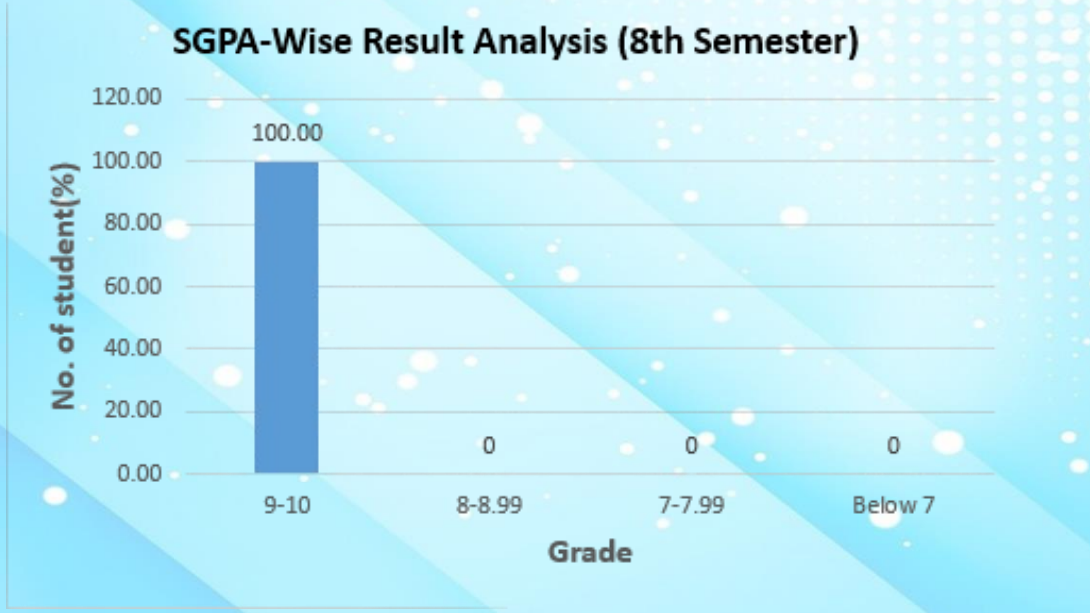


ANNUAL REPORT 2023-24

Department of Electronics and Communication Engineering

4th Year





DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

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Department of Electrical Engineering

ANNUAL REPORT 2023-24

Department of Electrical Engineering

Vision of the department

To create an ethical human resource proficient, in domains related to Electrical Engineering, for a successful career in the service of society.

Mission of the department

DM1: To impart quality education and training in Electrical Engineering with an overall background suitable for making a successful Engineer in industry and researcher higher education.

DM2: To develop life-long learning skills that allows them to be adaptive and responsive to changes in society, technology and the environment, as well as career demands.

DM3: To provide an accredited dynamic scholarly environment wherein students learn to develop communications and leadership abilities to blossom as a professional.

DM4: To ensure that every graduate is aware of the roles and responsibilities of the professional engineer in society through exposure to ethics, equity, safety and health considerations

Department of Electrical Engineering

Program Outcomes

* **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
* **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
* **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
* **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
* **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
* **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
* **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Department of Electrical Engineering

* **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
* **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
* **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
* **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
* **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Department of Electrical Engineering

Program Educational Objective (PEO)

PEO1: Graduates will possess expertise in problem analysis, solving, designing, skills, and necessary information for a successful career in the field of Electrical Engineering.

PEO2: Graduates will accomplish practical acquaintance in modern designing tools, technologies, and Engineering software in Electrical Engineering.

PEO3: Graduates will be outstanding in communication, teamwork, and multidisciplinary approach related to engineering issues in a social context.

PEO4: Graduates will excel in a competitive environment towards leadership and life-long learning which is needed for a successful professional career.

Programme Specific Outcomes (PSOs)

PSO 1: Graduates will be able to solve real-life problems of power systems and power electronics using Power World, PSIM, and MATLAB software tools and hardware.

PSO 2: Able to provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.

Department of Electrical Engineering

Brief Overview of the Department

The Department of Electrical Engineering was established in the year 2011 at the very inception of Sur Institute of Technology & Sports Complex. The department started with a 4-year B.Tech course with an intake capacity of 60 seats. It has an eminent pool of highly experienced academicians and industry persons as faculty and technical staff members.

Electrical Engineering is a professional core engineering discipline that deals with the generation of electricity from different power plants, the design of power plants, the transmission of the generated power using transmission lines, the design of transmission and distribution systems, medium voltage and high voltage transmission of power, distribution of generated power to different industries, commercial customers, domestic consumers and also in agricultural areas. This discipline also deals with designing different machines for power plants, industry applications, home appliances, and many more.

Electrical engineering takes place in the public sector from municipal through to national governments, and in the private sector from IT (to handle projects related to electrical engineering and many more) through to international companies.

Started in the year 2011, the Department of Electrical Engineering prepares students to address the most compelling real-world electrical challenges, backed by sound knowledge, integrity, research, and innovation.

With state-of-the-art infrastructure, faculty of the highest professional standards, a carefully crafted curriculum, active industry-academia collaborations, and global exposure, the Department of Electrical Engineering, DSCITSC, provides students with focused knowledge and practical skills, research, and innovation along with value-added training to prepare them for job ready.

Department of Electrical Engineering

HOD Message

Welcome to the Department of Electrical Engineering, Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex, Dumdum, Kolkata. Electrical Engineering (EE) is the front runner because of its recent recognition and adoption by all industries and academia, thereby gaining the self-confidence of our students to compete successfully with all competitive disciplines. It imparts quality education in multifarious disciplines of Electrical, Electronics, Computer Science, Control Engineering, etc. along with generation, transmission, and distribution of electrical power and a set of subjects especially focusing on the performance and design of DC, AC, and Special Electric Machines. The focus of the department is to imbibe the students with potential through broad exposure to all aspects that facilitate their all-round development.

The department has a dedicated team of faculties with a wide spectrum of specializations such as Power Electronics, Power Systems, Control systems, Industrial Drives, hybrid vehicles, computer engineering, and High Voltage for green energy. The course has a healthy blend of Power Engineering, Electronics, and Computer Engineering. The course pattern is planned to keep the students up-to-date with recent trends by organizing regular training, e-learning through MOOC, industrial visits, workshops, conferences, faculty development programs, etc. The students are provided a platform to think, express, and exhibit their skills.

Department of Electrical Engineering

We produce graduates to become future leaders in industry, academia, government, and society in India whose vision is founded upon fundamental knowledge, creative and analytical skills, local/regional perspective, and ethics. Through a good blend of coursework and projects, the department endows students with the ability to apply knowledge of science, mathematics, and engineering to work effectively in multidisciplinary teams, provide leadership and technical expertise, and practice engineering with ethical approaches and concern for society and the environment.

On the whole, we are committed to creating and erecting a professional graduate community that is vivacious and provides continuous learning. We encourage students, parents, and prospective faculty members to go through the information provided on the website and join us.

Dr. Sayantan Chakraborty
HOD & Associate Professor
Department of Electrical Engineering
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Department of Electrical Engineering

DEPARTMENTAL NEWS AT A GLANCE

Department of Electrical Engineering organized the following events:

- A webinar on Opportunities for Students & Faculties as Early-Stage Entrepreneurs Sustainability in Electrical Engineering Mr. Sobhan Chakraborty, Founder-Director, Megh Robotics, Patna on 22nd July, 2023
- Career Counselling Webinar on 13th and 14th July, 2023
- MoU signed with "SunnyRay Solutions", 584, M.B. Road, Birati, West Bengal , Kolkata 70005 on 29th July, 2022
- Career Counselling Webinar on 2nd and 3rd August, 2023
- Organized Blood Donation Camp in association with Lions Club Pyradanga on 18th August ,2022
- MoU signed with “Ardent Comptech PVT LTD” on 25th August ,2023
- MoU signed with "Scraptechies” on 26th August, 2023
- A seminar on "Insight on Entrepreneurship“ by Mr. Sobhan Chakraborty, Founder-Director, Megh Robotics, Patna on 26th August, 2023
- Wall Magazine “Surge” published on 8th September, 2023
- Organized Free Eye Check Up Camp in association with Lions Club Pyradanga on 21st September ,2023
- A workshop on “How to use Vedic Maths in Competitive examination?” by Mr. Suvendu Mondal on 23rd September, 2023
- Sharadiya Magazine “Pujor Chithi” published on 26th September ,2023
- Industrial Visit at Pascal Switchcare Pvt. Ltd. on 4th November ,2023
- Industrial Visit at SunCraft Energy Pvt. Ltd. on 5th November, 2023
- Parents Teacher meet on 26th November, 2023
- A Webinar/ Workshop on Start-up/Entrepreneurship/ Innovations in association with Nikhil Bharat on 10th March, 2023
- A webinar on Contest/Events on Start-up/ Entrepreneurship/Innovations in association with Cybermotion Technologies Pvt. Ltd. on 9th March, 2023
- A webinar on Events on Start-up/ Entrepreneurship/Innovations by Mr.Indranil De Sarkar in association with Ardent Comptech PVT LTD on 20th March ,2023
- MoU signed with "MSME–TOOL ROOM (CTTC), BONHOOGHLY-Kolkata Section” on 20th April, 2024
- Industrial Visit at MSME–TOOL ROOM (CTTC), BONHOOGHLY-Kolkata Section on 25th April 2023
- Seminar on Development of Skills for Undergraduate and Diploma Engineering Students in association with MSME Tool Room, Kolkata Section on 12th May, 2024
- Summer visit at Electrical Machine Laboratory from Dumdum Motijheel Girls’ High School on 12th May, 2023
- Farewell Programme for 2023 passout batch on 28th June, 2024

Department of Electrical Engineering

Departmental achievements

Student's achievements :

- Mayukh Bhattacharya, Kriti Keshari, Arpan Das, Ankit Patra, IoT Based Overhead Transmission Line Fault Detection and Analysis National Conference on Machine Learning In Healthcare Applications, (MLHA-2024) Guru Nanak Institute of Technology 20.04.2024

Department of Electrical Engineering

Departmental achievements

Faculty's achievements :

Dr. Sayantan Chakraborty	1. COURSERA course on Python for Data Science, AI & Development 2. IBM Certified Cognitive Class Course Python for Data Science
Prathita Roy	1. COURSERA course on Introduction to Solar Cell 2. COURSERA course on Linear Circuits 1: DC Analysis 3. SurTech Laurels
Rumrum Banerjee	1. COURSERA course on Introduction to Solar Cell 2. COURSERA course on Linear Circuits 1: DC Analysis

Department of Electrical Engineering

1 Sayan Deep Das DSCSITSC Conference "Power Flow Feasibility Analysis of IEEE 9 Bus SystemApplying Renewable Energy Sources" "National Conference in SustainableEngineering" Ideal International E-Publication Pvt. Ltd. 17.05.2023 National 978-93-89817-88-1 Sayantan Chakraborty,Rumrum Banerjee,Prathita Roy,Suvendu Mondal

2 "Nikita Sarker, Mayurakshi Ghoshal, RohitKumar Rajhbar, Ankit Patra" DSCSITSC Conference "Predictive Energy Performance Optimization Analysis of anOn-Grid Solar Photovoltaic System" "National Conference in SustainableEngineering" Ideal International E-Publication Pvt. Ltd. 17.05.2023 National 978-93-89817-88-1 Sayantan Chakraborty, Suvendu Mondal, Rumrum Banerjee, Prathita Roy

3 Ankit Patra, Rohit Kumar Rajhbar DSCSITSC Conference "Energy Performance Feasibility Analysis of a Solar PV StorageSystem" "National Conference in SustainableEngineering" Ideal International E-Publication Pvt. Ltd. 17.05.2023 National 978-93-89817-88-1 Sayantan Chakraborty,Rumrum Banerjee,Prathita Roy,Suvendu Mondal

4 "Pranabesh Adak, Sayandeep Das, Nayan Hazra, SoumyaDhang, Ram Mangal Bhattacharya" DSCSITSC Conference "Effect of Variation of pulses in an ImprovedDimmable LED Driving Scheme for Low VoltageApplication" "National Conference in SustainableEngineering" Ideal International E-Publication Pvt. Ltd. 17.05.2023 National 978-93-89817-88-1 Rumrum Banerjee, Sayantan Chakraborty, Prathita Roy,Suvendu Mondal

5 Kriti Keshari, Mayukh Bhattacharyya, Arpan Das, Rohit Kumar Rajbhar DSCSITSC Conference "An Analytical Approach of Design and Construction of a SolarVan Considering Economic Aspects" "National Conference in SustainableEngineering" Ideal International E-Publication Pvt. Ltd. 17.05.2023 National 978-93-89817-88-1 Prathita Roy,Suvendu Mondal,Sayantan Chakraborty,Rumrum Banerjee

6 Subhankar Bhowmik, Joyeeta Roy, Nitesh Ranjan DSCSITSC Conference "BUMPLESS CONTROL OF PMSM FROMOPEN LOOP TO CLOSE LOOP& VICE-VERSA" "National Conference in SustainableEngineering" Ideal International E-Publication Pvt. Ltd. 17.05.2023 National 978-93-89817-88-1 Suvendu Mondal,Prathita Roy,Sayantan Chakraborty,Rumrum Banerjee

Department of Electrical Engineering

Faculty Publications :

Month of Publication	Year of Publication	ISSN/ISBN/DOI
June	2024	ISBN: 978-81-970245-3-5 DOI: 10.13140/RG.2.2.36357.36328
June	2024	ISBN: 978-81-970245-3-5 DOI: 10.13140/RG.2.2.17482.99529
June	2024	ISBN: 978-81-970245-3-5 DOI: 10.13140/RG.2.2.25176.92167
June	2024	ISBN: 978-81-970245-3-5 DOI: 10.13140/RG.2.2.10077.42726
April	2024	ISBN: 978-93-340-3095-2

Patent Publications :

Inventor Name	Status	Patent Number	Publication Date	Title of Patent	Innovation Type	Role	Department	Contact No.	Patent Status
Suvendu Mondal	Published	202331060306	07-09-2023	REMOTELY OPERATED ADVERTISEMENT DISPLAYING SYSTEM	Technological Innovation	Faculty	EE	8777079093	Published

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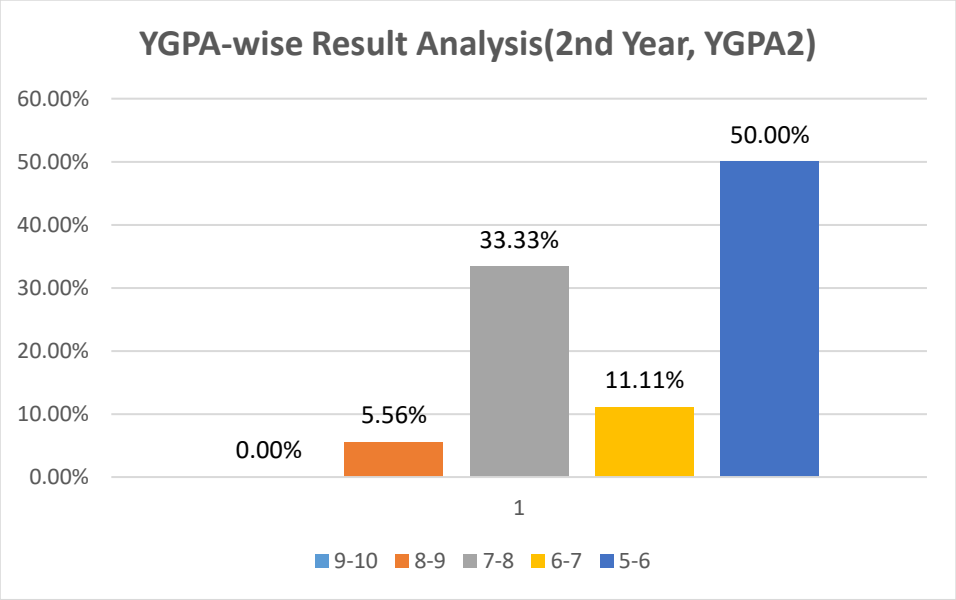
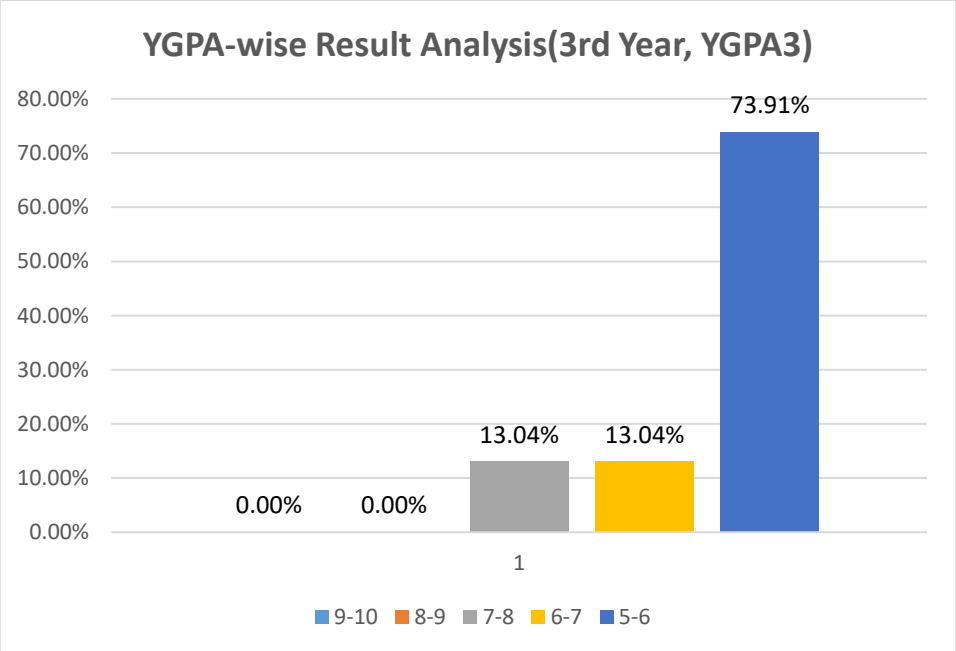
Department of Electrical Engineering

Result Analysis 2023-24

Department of Electrical Engineering

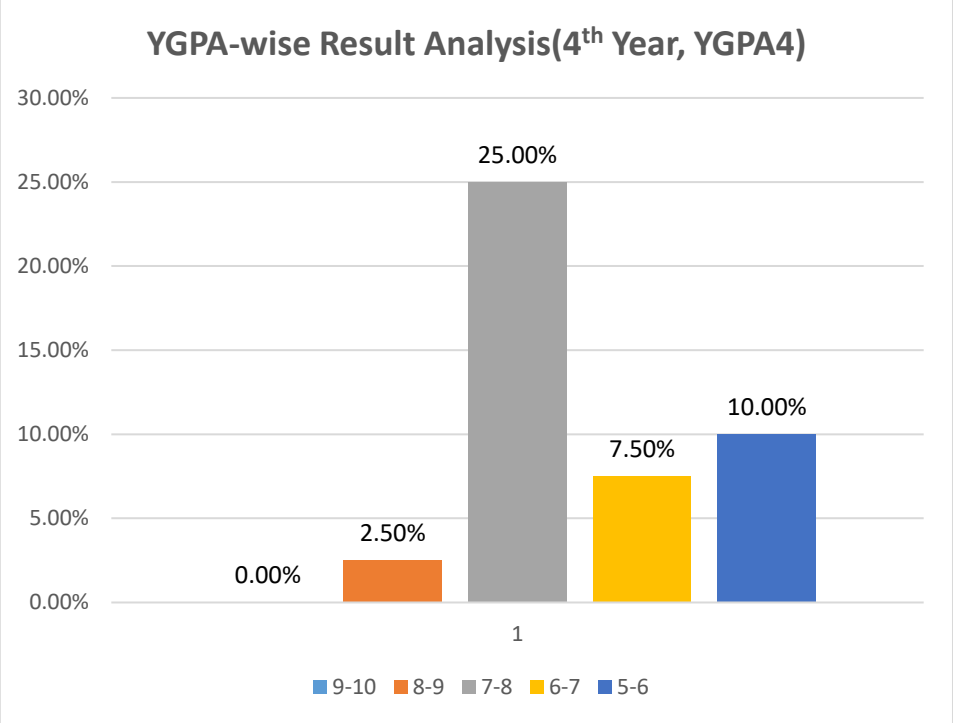
Result Analysis





Department of Electrical Engineering

Result Analysis



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Department of Mechanical Engineering

ANNUAL REPORT 2023-24

Department of Mechanical Engineering

Vision of the department

To become a top teaching-cum-research Department in Mechanical Engineering in the country through an exemplary system that leads to entrepreneurship, innovation, values and quality.

Mission of the department

- M1: To impart total quality education through effective hi-tech teaching-learning techniques and department-industries collaboration.
- M2: To mold the young dynamic potential minds to emerge as full-fledged future professionals so as to achieve top ten ranking status in the national level.
- M3: To achieve international standards to fulfill the Government's "Make In India" industrial policy through innovation and research.

Department of Mechanical Engineering

Program Outcomes

* **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
* **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
* **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
* **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
* **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
* **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
* **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

* **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
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* **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
* **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
* **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Educational Objective (PEO)

PEO1: To enhance the knowledge of the under graduates with fundamental Science of Engineering & Technical abilities.

PEO2: To develop high level of technical competency combined with research and problem-solving skills to generate innovative solutions in Mechanical Engineering and/or related interdisciplinary areas.

PEO3: To expand capability of methodological approach for taking decision and designing.

PEO4: To promote awareness towards socio-economic and energy related challenges and enhance professional as well as communication skill and perform as a team.

Programme Specific Outcomes (PSOs)

PSO1: Graduates will be able to apply necessary mathematical and advanced software tools for design, analysis and fabrication of components used in the field of mechanical engineering.

PSO2: Students will be able to gain knowledge about engines, machineries and develop critical skills to analyze the cause and effect of complicated mechanical processes.

PSO3: Graduates will be able to gain team spirit for working in industrial projects as well as pursuing higher studies to contribute in mechanical engineering research and development.

Department of Mechanical Engineering

Brief Overview of the Department

The Department of Mechanical Engineering was established in the year 2009 at the very inception of Dr. Sudhir Chandra Sur Institute of Technology and sports complex (formerly Dr. Sudhir Chandra Sur Degree Engineering College.) The department started with a 4 years B.Tech course (Capacity 30 Students) and later on, Master of Technology (Capacity 18 Students) came into being in 2012. Mechanical engineering is one of the most sought-after core streams of engineering disciplines with multidisciplinary fields of work. The department is flourished with excellent laboratory facilities with a wide range of learning facilities, high quality teaching and laboratory staff. The Department stresses upon all round development of the students by personal interaction between the staff and students beyond stipulated working hours and available for guidance even after they have passed out of the college. The Department aims at producing employable engineers who are capable of contributing meaningfully to the society.

Department of Mechanical Engineering

HOD Message

As we come to the end of another academic year, it's a privilege to reflect on the accomplishments, challenges, and progress made by our Mechanical Engineering department throughout 2023-24. Our journey has been marked by resilience, innovation, and a commitment to excellence in education, research, and service. I extend my deepest gratitude to each member of our faculty for their unwavering dedication and contributions. Our students have once again demonstrated exceptional talent, creativity, and dedication to their studies and extracurricular activities. Whether it's participating in competitions, conducting groundbreaking research, or engaging in community outreach, our students continue to make us proud. The year 2023-24 has been significant for our department in terms of research achievements. We have secured grants for several groundbreaking projects, published papers in prestigious journals, and collaborated with industry partners to address real-world challenges. These accomplishments are a testament to the caliber of research conducted within our department. Our commitment to providing a high-quality education has never wavered, and we have embraced technology to ensure continuity in our academic programs. Looking ahead, we are excited about the opportunities that the future holds for our department. We will continue to nurture a culture of innovation, collaboration, and excellence, striving to make meaningful contributions to our field and society at large. I would like to express my heartfelt thanks to all our stakeholders, including our alumni, industry partners, and supporters, for their continued support and encouragement. Together, we will continue to elevate the stature of our department and make a positive impact on the world. As we conclude another successful year, let us celebrate our achievements and rededicate ourselves to the pursuit of excellence in Mechanical Engineering.

Dr. Ruma Sen

HOD, Department of Mechanical Engineering

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Department of Mechanical Engineering

Details of Publication (July'23 - December, 23)
Department of Mechanical Engineering
Goal set by the Department: Goal Achieved by the Department:

Serial No.	Name of the Department	Name of the Faculty	Details of Publication			
			Publication Type (Journal/Book Chapter/Conference Proceedings)	Published/ Organized by	Details of Publication (DOI/ISSN/ISBN)	Link of the publications
1	Mechanical Engineering	Geetika Kumari Salwan	A Springer book series Lecture Notes in Mechanical Engineering	IIT (BHU) Varanasi (AIMTDR 2023)	In Press	
			A Springer book series Lecture Notes in Mechanical Engineering	IIT Roorkee (FMFP)	In Press	
			Journal	Material Today: Proceeding (Scopus)	In Press	https://doi.org/10.1016/j.matpr.2023.06.386
			Taylor and Francis, CRC Press	YCCE, Nagpur (RAMMML-2023)	ISBN 9781003450252 DOI: 10.1201/9781003450252	https://doi.org/10.1201/9781003450252

Department of Mechanical Engineering

Details of Publication (July'23 - December, 23)
Department of Mechanical Engineering
Goal set by the Department: Goal Achieved by the Department:

Serial No.	Name of the Department	Name of the Faculty	Details of Publication			
			Publication Type (Journal/Book Chapter/Conference Proceedings)	Published/ Organized by	Details of Publication (DOI/ISSN/ISBN)	Link of the publications
2.	Mechanical Engineering	Dr. Ruma Sen	Conference	Meerut Institute of Engineering and Technology	International Conference (ICAMMIA 2023)	
			Journal of Polymer & Composites	Scopus/WoS	DOI (Journal): 10.37591/JoPC	DOI (Journal): 10.37591/JoPC
3.		Arpita Chatterjee	Jpoiunal	Springer	https://doi.org/10.1007/s40033-023-00627-y	https://doi.org/10.1007/s40033-023-00627-y

Department of Mechanical Engineering

Department of Mechanical Engineering
Research and Developments
Academic Year 2023-24

Publication Type	Goal Set (Odd Sem 2023)	Goal Achieved (Odd Sem 2023)	Goal Set (Even Sem 2023)	Goal Achieved (Even Sem 2023)	Goal Set for Next Academic Year	
					Odd Sem	Even Sem
Faculty Publication in Journal (SCI/Scopus /WoS)	2	3	3	2	2	2
Faculty Publication in Book / Book Chapter	1	-	1	1	3	3
Student Publication	1	1	1	-	2	2
Number of Patent	1	1(Applied)	1	0	1	1

Achievement of Faculty Members (July 23 – June 24)
Department of Mechanical Engineering

Number of FDP Attended by Faculty Members

Sl. No.	Name of the Faculty Members	Number of FDP Attended by Faculty Members	Odd Semester	Even Semester
1	Subhendu Pal	0	0	0
2	Subhasish Halder	0	0	0
3	Geetika Kumari Salwan	2	1	1
4	Arpita Chatterjee	2	1	1
5	Dr. Ruma Sen	4	2	2

Number of MOOCS Courses Completed by Faculty Members

Sl. No.	Name of the Faculty Members	Number of MOOCS Courses Completed by Faculty Members		Course provided by
		Odd Semester	Even Semester	
1	Subhendu Pal	1	1	Coursera
2	Subhashish Halder	1	1	Coursera
3	Geetika Kumari Salwan	1	1	Coursera
4	Arpita Chatterjee	1	1	Coursera
5	Dr. Ruma Sen	1	1	Coursera

Department of Mechanical Engineering

MECHANICAL DEPARTMENTAL AT A GLANCE FOR THE ACADEMIC YEAR

Department of Mechanical Engineering conducted several events in the form of workshops, seminars, project competitions, Faculty Development Program, Industrial visits etc. to have a holistic development of the department.

WorkShops

"Building India towards Automation - Introduction to catia".

It was a one day workshop where students from 2nd, 3rd and 4th year students attended the workshop. The experts interacted with the students and answered the queries. They highlighted the importance of the use of the software catia and how it can help in automation. There was also a demonstration of the use of the software in which the students showed a great interest.

Students at the workshop. Conducted on 28.08.2023

Department of Mechanical Engineering

Seminars

"Key Stages Of The Entrepreneur Journey"

It was attended by all the students from 2nd year onwards and the faculties and staffs of various department. The speaker of the event was Ms. Shaleni S Ghosh. She is the founder of the company Easy Notes Stationery Pvt. Ltd. The session was very interesting. She explained the keys stages of setting up any business and how it could result in a failure if not corrected in proper time. She also explained the challenges she faced while starting her journey. The students had lots of queries and the queries were answered in detail by the speaker. The students had expressed that the session had really enriched their knowledge and cultivated interests. It was conducted on 27th July 2023.

Department of Mechanical Engineering

INDUSTRIAL VISITS

The Department of Mechanical Engineering of DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY and SPORTS COMPLEX has organized an Industry Visit to **Ellenberrie gas Pvt. ltd** on 9th April 2024 for UG students. manufacturers and suppliers of industrial gases The Company today boasts of a 5 Decades legacy in the gas business with its services and expertise proliferated in the medical, chemical, construction, defense and energy business. We have a proven technological credential in the market equipped with state of art units. Students benefited from going through insightful demonstrations and explanations of the manufacturing workflow including structure machines, and different equipment.

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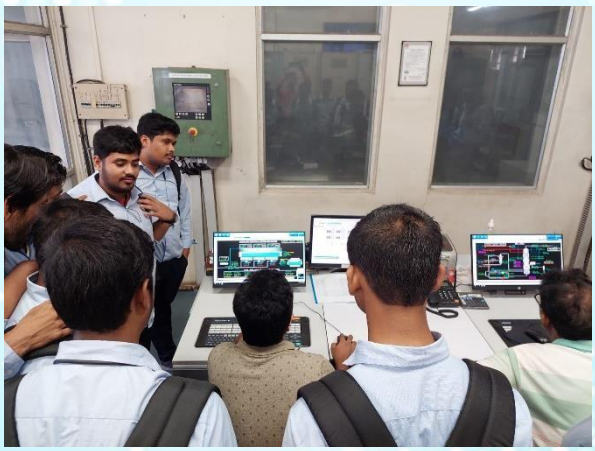

Department of Mechanical Engineering

Industrial Visits

One day industrial visit was successfully conducted by the Department of Mechanical and Robotics Engineering, DSCSITSC for the students of 2nd year students at TECH COGNITION, Behala industrial estate, 620 diamond harbour road, kolkata- 700 034.

The students gathered important knowledge on substation control panel/ breaker panel/power distribution system, control room , and their practical implications in the industry as well as for commercial and domestic consumptions.

Department of Mechanical Engineering

Industrial Visit

The students physically visited the Kolaghat Thermal Power Station under WBPDCL on 18th August 2023. The visit was done by the 2nd and 3rd year students of the mechanical engineering department. The students were amazed to see the power plant in operation. They could relate to the theoretical knowledge given in the class and see them working physically with their eye. This visit was enjoyed by the students

Department of Mechanical Engineering

Competitive Events

The mechanical Engineering department organizes and conducts various competitive events throughout the academic year. This events are conducted to showcase the talents of the students in various fields like photography, drawing, writings, games and sports, project model makings etc. These competitions not only helps the students as a recreation but also to enhance their knowledge and power. There are exciting rewards given at the end of the competitions which further increases the excitements amongst the students to in such competitions.

Essay Writing

Students at the Essay writing Competition. Conducted on 25thSeptember 2023.

DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

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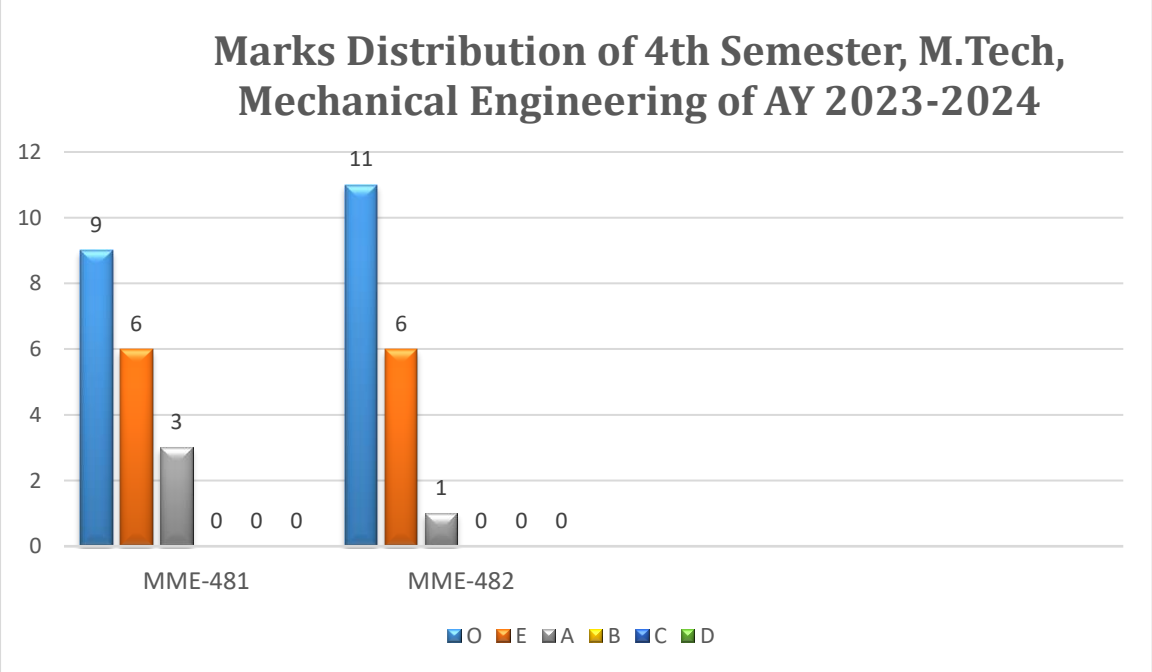
Department of Mechanical Engineering

Result Analysis 2023-24

Result Analysis



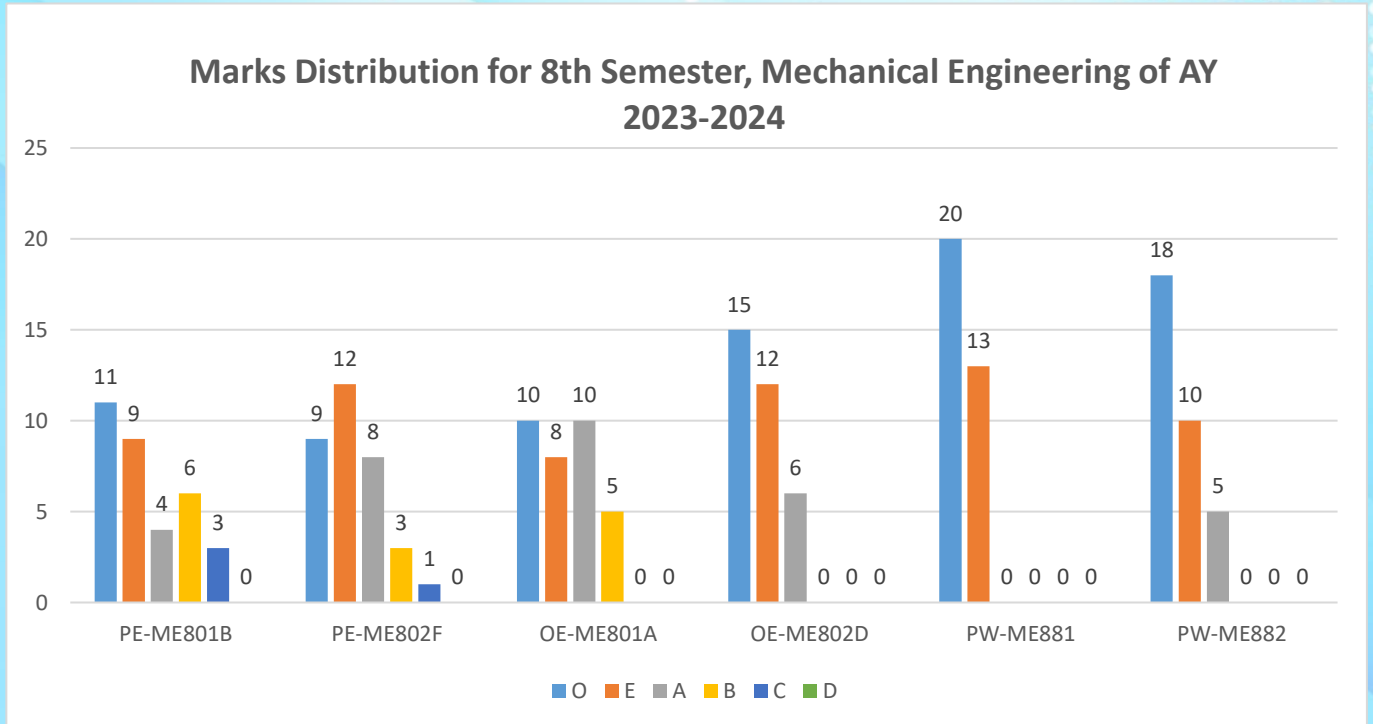
Marks Distribution of 4th Semester, M.Tech, Mechanical Engineering of AY 2023-2024						
	O	E	A	B	C	D
MME-481	9	6	3	0	0	0
MME-482	11	6	1	0	0	0

MME-482	11	6	1	0	0	0

Result Analysis

Marks Distribution for 8th Semester, Mechanical Engineering of AY 2023-2024						
	O	E	A	B	C	D
PE-ME801B	11	9	4	6	3	0
PE-ME802F	9	12	8	3	1	0
OE-ME801A	10	8	10	5	0	0
OE-ME802D	15	12	6	0	0	0
PW-ME881	20	13	0	0	0	0
PW-ME882	18	10	5	0	0	0

PW-ME882	18	10	5	0	0	0



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Research & Publications

2023-24

Patent filed

SL.NO	APPLICATION NUMBER	JOURNAL NO.	TITLE OF THE PATENT	INVENTORS' NAME	DATE OF FILED	DATE OF PUBLISHED	STATUS
1.	419121-001	419121-001	AI Based Facial Recognition Device	Anirbit Sengupta	06/06/2024	01/08/2024	Granted
2.	415228-001	415228-001	Iot Based Grid Energy Management Device	Anirbit Sengupta	29/04/2024	07/06/2024	Granted
3.	411955-001	411955-001	Artificial Intelligence Based Organic Waste Composting Machine	Dr. Dipankar Das	29/03/2024	16/05/2024	Granted
4.	202231014137	17/2024	Cloud-Controlled Soil Watering And Soil Health Monitoring System	Anirbit Sengupta Dr.Saradindu Panda	15/03/2022	26/04/2024	Granted
5.	202431025710	14/2024	Recycling of Industrial Wastes Like Fly Ash & Waste Glass for Manufacturing of Sustainable Building Materials"	Baibaswata das	28/03/2024	05/04/2024	Granted
6.	6339308	6339308	An Apparatus For The Synthesis Of Nanoparticles	Anirbit Sengupta	12/01/2024	08/02/2024	Granted
7.	6320785	6320785	Healthcare Management System Computer	Chandrima Sinha Roy	21/10/2023	08/01/2024	Granted
8.	202321042432	01/2024	Development of IOT-based Cybersecurity Risk Management Framework For Banking and Financial Institutions	Anirbit Sengupta	24/06/2023	05/01/2024	Granted

Patent filed

9.	202311076459	49/2023	Development Of IOT-Integrated NLP Systems For Duplicate Signature Verification Assisted By Machine Learning	Debdatta Chatterjee	08/11/2023	08/12/2023	Granted
10.	201931044529	474744	Methods And Apparatus For Microcontroller Based 'Automated Shadow Lighting System' (Asls)	Anirbit Sengupta	04/11/2019	29/11/2023	Granted
11.	202331060306	42/2023	Remotely Operated Advertisement Displaying System	Anirbit Sengupta, Anirban Chowdhury, Suvendu Mondal, Dr. Saradindu Panda	07/09/2023	20/10/2023	Granted
12.	202331060315	42/2023	Shoulder Exercise Device	Anirbit Sengupta, Anjan Kumar Payra, Arindam Mukherjee	07/09/2023	20/10/2023	Granted
13.	6296226	6296226	Device For Disaster Evacuation And Security Map Display	Anirbit Sengupta	13/07/2023	04/08/2023	Granted
14.	L-151814/2024		Revolutionizing Electrical Engineering Discourse Through Interdisciplinary Streams: An Obe-Centric Quest For Communicative And Statistical Excellence	Rumrum Banerjee, Pallabi Bose	12/01/2024		Unpublished
15.	528/KOL/2008	290860	Automatic Indicator Signal, Head Lamp, High/Low Beam Operation & Inclination Warning System For Vehicles	Supriya Dhara	14/03/2008	20/12/2017	Granted

Publications

Sl. No.	Name of the teacher	Title of the book/Chapter/conference Published	Title of the paper	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher	Link of chapter/book website	ISBN Info Document
1	Rinku Supakar, Madhusmita Mishra	International conference Sustainable Environmental Engineering and Science	An Overview of Energy Efficient Optimization and Green Networking	2023	978-981-99-0823-3	Springer Singapore	https://doi.org/10.1007/978-981-99-0823-3_17	978-981-99-0823-3
2	Madhusmita Mishra	International Conference on Innovations in Software Architecture and Computational Systems	Analysis of Datasets Using Soft Computing Techniques	2023	1551-7616	AIP Conference Proceedings	https://doi.org/10.1063/5.0168019	1551-7616
3	Madhusmita Mishra	International Conference on Innovations in Software Architecture and Computational Systems	An Intelligent Model for Predicting Human Diseases by Using Machine Learning Techniques	2023	1551-7616	AIP Conference Proceedings	https://doi.org/10.1063/5.0166581	1551-7616
4	Krishnendu Kundu	International conference Sustainable Environmental Engineering and Science	Role of Fly Ash as an Alternative Filler Material in Asphalt Concrete Road	2023	978-981-99-0823-3	Springer, Singapore	https://link.springer.com/chapter/10.1007/978-981-99-0823-3_13	978-981-99-0823-3
5	Sourav Kumar Singha, Souvik Chakraborty	International conference Sustainable Environmental Engineering and Science	Comparative Analysis of Water Storage Change in Ganga–Brahmaputra Basin Based on GLDAS Model Using QGIS Software	2023	978-981-99-0823-3	Springer, Singapore	https://link.springer.com/chapter/10.1007/978-981-99-0823-3_19	978-981-99-0823-3
6	Souvik Chakraborty, Baibaswata Das, Souradeep Roy, Sourav Kumar Singh	International conference Sustainable Environmental Engineering and Science	Electrical Conductivity as an Indicator of Sea Water Intrusion in South 24 Parganas, West Bengal, India	2023	978-981-99-0823-3	Springer, Singapore	https://link.springer.com/chapter/10.1007/978-981-99-0823-3_7	978-981-99-0823-3
7	Ananya Banerjee	International Symposium on Devices Circuits and Systems	Smart Device and Mobile Application For Remote Health Monitoring and Alarming.	2023	978-981-99-0055-8	Springer Singapore	https://doi.org/10.1007/978-981-99-0055-8_31	978-981-99-0055-8
8	Debasmita Manna	5th International Conference on 2023 Devices for Integrated Circuit, DevIC 2023	Towards Energy-Efficient Cost-Effective Toffoli Gate Design using Quantum Cellular Automata	2023	979-8-3503-4726-5	IEEE Xplore	https://ieeexplore.ieee.org/document/10135003	979-8-3503-4726-5

Publications

Sl. No	Title of the Paper	Name of the Author/s	Department of the teacher	Name of the Journal	ISSN number	Link to the File	Link to the article/paper/ abstract of the article
1	Numerical investigation for performance and emission characteristics of a diesel engine fueled with soybean methyl ester biodiesel - Diesel blend	Kalyan Mukherjee	Automobile Engineering	Journal of Decision Analytics and Intelligent Computing	2787-2572	View	https://www.jdaic-journal.org/index.php/about/article/view/46
2	Evaluating Eco-friendly Refrigerant Alternatives for Cascade 3 Refrigeration Systems: A Thermo-economic Analysis	Ranendra Roy	Automobile Engineering	Processes	2227-9717	View	https://www.mdpi.com/2227-9717/11/6/1622
3	Microwave absorption and hyperthermia properties of titanium dioxide–nickel zinc copper ferrite nanocomposite	Sukhendu Sadhukhan	Basic Science and Humanities	Journal of Magnetism and Magnetic Materials	0304-8853	View	https://www.sciencedirect.com/science/article/abs/pii/S0304885323010235
4	MorphAttnNet: An Attention-based morphology framework for lung cancer subtype classification	Amitava Halder	Computer Science and Engineering	Biomedical Signal Processing and Control	1746-8108	View	https://www.sciencedirect.com/science/article/abs/pii/S1746809423005827
5	A critical review of the advances in valorizing agro-industrial wastes through mixed culture fermentation	Biswabandhu Chatterjee	Civil Engineering	Journal of Environmental Chemical Engineering	2213-3437	View	https://www.sciencedirect.com/science/article/abs/pii/S2213343723025770

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Committee List 2023-24

Committee List

Board of Governors (BOG)

Sl No.	Name	Particular	Position
1	Prof. (Dr.) G.L. Datta	Educationist	**Chairman**
2	The Regional Director	AICTE, Eastern Regional Office	Member
3	Mr. Partha Ghosh	State Govt. Nominee	Member
4	Prof. Narayan Banerjee	MAKAUT Nominee	Member
5	Mr. Taranjit Singh	Managing Trustee, JIS Foundation	Member
6	Mr. Haranjit Singh	Trustee Member, JIS Foundation	Member
7	Mr. Amrik Singh	Trustee Member, JIS Foundation	Member
8	Mr. Simarpreet Singh	Trustee Member, JIS Foundation	Member
9	Mr. Harjot Singh	Trustee Member, JIS Foundation	Member
10	Mr. Amanjot Singh	Trustee Member, JIS Foundation	Member
11	Mr. U. S. Mukherjee	Deputy Director, JIS Group	Member
12	Mr. Amit Srivastava	Managing Director, Hash Technology	Member
13	Dr. Asit Guha, Advisor	JIS Group (Educationist)	Member
14	Dr. Biswabandhu Chatterjee	Convener, R&D Cell, DSCSITSC	Member
15	Dr. Soumitra Roy	CSE&IQAC Coordinator	Member
16	Ms. Chandrika Panja	Dept. of Administration, DSCSITSC	Member
17	Dr. Saradindu Panda	Principal, DSCSITSC	Member Secretary

Committee List

Academic Council

1	Dr. Saradindu Panda, Principal	Admin	Chairman
Three Nominees of MAKAUT, WB			
2	Prof. (Dr.) Manojit Mitra, Dept. of ECE, IIEST Shibpur	External	University Nominee
3	Prof.(Dr.) Subhasish Bhowmik, Dean R&D IIEST Shibpur	External	University Nominee
4	Prof.(Dr.) Amitava Chatterjee, Dept. of EE, JU	External	University Nominee
Experts / Academicians from Outside the College Nominated by Governing Body			
5	Prof.(Dr.) Goutam Sutradhar, Director, NIT Manipur	External	External Academic Expert
6	Prof. (Dr.) Debashis De, Professor, MAKAUT	External	External Academic Expert
7	Prof. (Dr.) Mita Nsipuri, Professor, Jadavpur University	External	External Academic Expert
8	Mr. Atanu Chowdhury, Deputy General Manager- HR & IR, Electrosteel Castings LTD	External	Industry Expert
9	Mr. Turjasu Pyne, Senior Embedded Engineer, Silicon Validation for NXP	External	Industry Expert
Dean (Academics), IQAC Coordinator & Controller of Exam			
10	Prof. (Dr.) Soumitra Roy	CSE	IQAC Coordinator
11	Mr. Sanjoy Bhattacharjee	CSE	Controller of Exam
12	Dr. Biswabandhu Chatterjee	CE	Convener, R&D Cell & Member Secretary of Academic Council
All the Heads of Department			
13	Dr. Biswajit Mukhopadhyay, HOD	CE	Member
14	Dr. Himadri Biswas, HOD	CSE	Member
15	Dr. Amitava Halder, TIC	CSE-AI & ML	Member
16	Dr. Anirban Neogi, HOD	ECE	Member
17	Dr. Debjit Mishra, HOD	AUE	Member
18	Dr. Sayantan Chakraborty, HOD	EE	Member
19	Mr. Subhasish Halder, TIC	ME	Member
20	Dr. Dipankar Das, HOD	BSH	Member
Four Teachers representing different categories			
21	Dr. Sangeeta Jana Mukhopadhyay, Faculty	ECE	Member
22	Ms. Madhusmita Mishra, Faculty	CSE	Member
23	Mr. Kalyan Mukherjee, Faculty	AUE	Member

Committee List

Other Institutional Committee

Sl No	Committee Name
1	BOG Committee
2	Institutional Academic Commiittee
3	Internal Quality Assurance Cell
4	Finance Committee
5	Disciplinary & Grievance Redressal
6	Anti - Ragging Committee
7	Anti - Ragging Squad
8	Internal Complaint Committee
9	SC & ST Committee
10	Academic Council
11	Exam Cell
12	Store & Purchase Committee
13	Library Committee
14	Innovation & Incubation Cell
15	Industry Institute partnership Cell
16	Training & Placement Cell
17	Research & Development Cell
18	Student Life Centre & Extracurricular Committee
19	Admission Cell
20	Academic & Administrative Audit Committee
21	Alumni Cell
22	NSS &NCC Committee
23	Women Cell
24	Sports Committee
25	Canteen Committee
26	Entrepreneurship Development Cell
27	Science & Technology Committee
28	Hostel Committee
29	Student Affair/ Welfare Committee
30	Timetable Committee

Contributors Names

Editor in Chief:

- **Dr. Sukhendu Sadhukhan, Assistant Professor**
  Basic Sciences and Humanities Department

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- Mr. Sourav Kumar Singha, Assistant Professor (CE)
- Mr. Arindam Mukherjee, Assistant Professor (AUE)
- Mr. Prathita Roy, Assistant Professor (EE)