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

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SurTech

www.surtech.edu.in

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Index

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

It is my honor and privilege to lead Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (SurTech) and to advance its forward-thinking mission of tackling the challenges and opportunities of the future, ensuring that our efforts extend far and wide for the benefit of the communities we serve.

India, on the global stage, carries the significant responsibility of evolving into a developed nation with a robust ethical foundation. This is no small feat, and the key to achieving this lies with today's youth—the bearers of ideas, ambition, capability, and most importantly, passion.

I firmly believe that each of us is born with immense potential, but over time, much of this potential fades due to the constraints of the current educational system, which too often limits creativity rather than fostering it. At SurTech, we aim to reverse this trend by creating an environment that encourages the "joy of learning."

Stepping into the JIS Group of Institutions means stepping into a brighter, more enriching world of education—a true hub of knowledge. It offers students a unique opportunity to experience the difference in learning and unlock their full potential.

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (formerly known as Dr. Sudhir Chandra Sur Degree Engineering College) is recognized as one of India's leading educational institutions. Our goal is to provide high-quality education and to evolve into a world-class center for technical education and scientific research.

Since its establishment in 2009, SurTech, under the guidance of the JIS Group, has continually contributed fresh knowledge, human capital, and innovative ideas to society. Our focus remains on nurturing the next generation of professionals, preparing them to navigate the ever-changing social, economic, and technological landscapes, both nationally and internationally, while striving to build a more inclusive and sustainable future.

Over the past decade, the institute has evolved into a fusion of state-of-the-art infrastructure and deeply connected human resources, all dedicated to delivering professional education with a strong emphasis on creativity and innovation. In a relatively short time, SurTech has developed a comprehensive, multi-layered educational system that spans diploma, undergraduate, and postgraduate programs. These programs are designed with industry-compliant curricula, supported by cutting-edge facilities, and positioned to transform lives and uplift communities.

Our faculty's research endeavors significantly enrich the educational experience for both graduate and undergraduate students. Graduate students are trained to become the next generation of scholars, equipped to advance knowledge and drive technological innovation. Extending research opportunities to undergraduates also enhances their educational journey, offering hands-on experience that extends beyond the classroom.

SurTech remains forward-thinking, embracing the latest advancements while staying clear of fleeting intellectual trends. Our graduates are smart, collaborative, and entrepreneurial, leveraging SurTech's creative environment to realize their full potential. We actively promote entrepreneurship and innovation on campus.

We facilitate campus recruitment and connect our students to global opportunities. The college is dedicated to providing quality training that instills a sense of professional responsibility, social and cultural awareness, and prepares students for leadership roles in their chosen fields.

Life on campus goes beyond academics, placing great importance on extracurricular activities that expose students to fresh perspectives and opportunities. This holistic approach nurtures students into well-rounded professionals, ready to contribute to their fields while staying open to new ideas and technological breakthroughs. Through initiatives such as guest lectures, industrial visits, vocational training (internships), student chapters of international professional organizations, and sponsored projects, students gain valuable exposure to industry experts and real-world challenges.

I take pride in stating that SurTech has far exceeded the modest goals set at its inception. We have produced a highly skilled workforce that serves the nation in various capacities, contributing significantly to the national knowledge base.

I am deeply grateful for the opportunity to serve as Principal of this distinguished institution. SurTech remains committed to serving the state, the nation, and the world, ensuring that our efforts benefit all. I invite you to join us in this shared endeavor.

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 2021-22

Awards & Association

India TODAY RANKING 2021

5th Best Private Engineering College in West Bengal

TOP 10 ENGINEERING INSTITUTES WEST BENGAL — TIMES ENGINEERING INSTITUTE RANKING SURVEY 2021

The Best Private Engineering Colleges of West Bengal[Rank-10th]

CAREERS360 | India's Best Engineering Colleges 2021

India's Best Engineering College 2021,East Zone, Rank: AA+

ANNUAL REPORT 2021-22

Awards & Association

Academic Excellence Award TV9 Bangla [Institute of Excellence – Skill Development]

Rank 170-Among Top 175 Engineering Institutes in India

News 18 Bangla Education Eminence Award 2021[Best Infrastructure in Engineering West Bengal

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

ANNUAL REPORT 2021-22

Awards & Association

Other Association

Awards & Association

Other Association

Ministry of MSME, Govt. of India

BCC&i
THE BENGAL CHAMBER

ASHOK LEYLAND
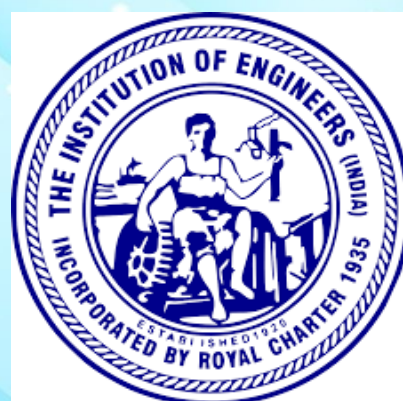
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Achievements & Recognition
2021-22

Achievements & Recognition

IEEE SOLID-STATE CIRCUITS SOCIETY KOLKATA CHAPTER

Certificate of Authorship

This is to certify that **Debosmita Ganguli, Barna Debnath & Sourajit Nan** of **Dr. Sudhir Chandra Sur Degree Engineering College** has authored a Paper titled **Development of a Self-help tool for Human Assistance** under the guidance of **Prof. Manali Dhar** in "**Student Paper Contest-2021**" organized by the IEEE Solid-State Circuits Society, Kolkata Chapter, held on 3rd October, 2021 in Virtual Mode.

Dr.Sagar Mukherjee
Chairman,
IEEE SSCS Kolkata Chapter

*This is an E-Certificate

ACHIEVEMENTS FROM IEEE SOLID STATE CIRCUITS SOCIETY KOLKATA CHAPTER

IEEE SOLID-STATE CIRCUITS SOCIETY KOLKATA CHAPTER

Certificate of Authorship

This is to certify that **Ankush Sharma & Chiranjit Das** of **Dr. Sudhir Chandra Sur Degree Engineering College** has authored a Paper titled **Solar Bag – An Eco Friendly Evolution** under the guidance of **Prof. Manali Dhar** in "**Student Paper Contest-2021**" organized by the IEEE Solid-State Circuits Society, Kolkata Chapter, held on 3rd October, 2021 in Virtual Mode.
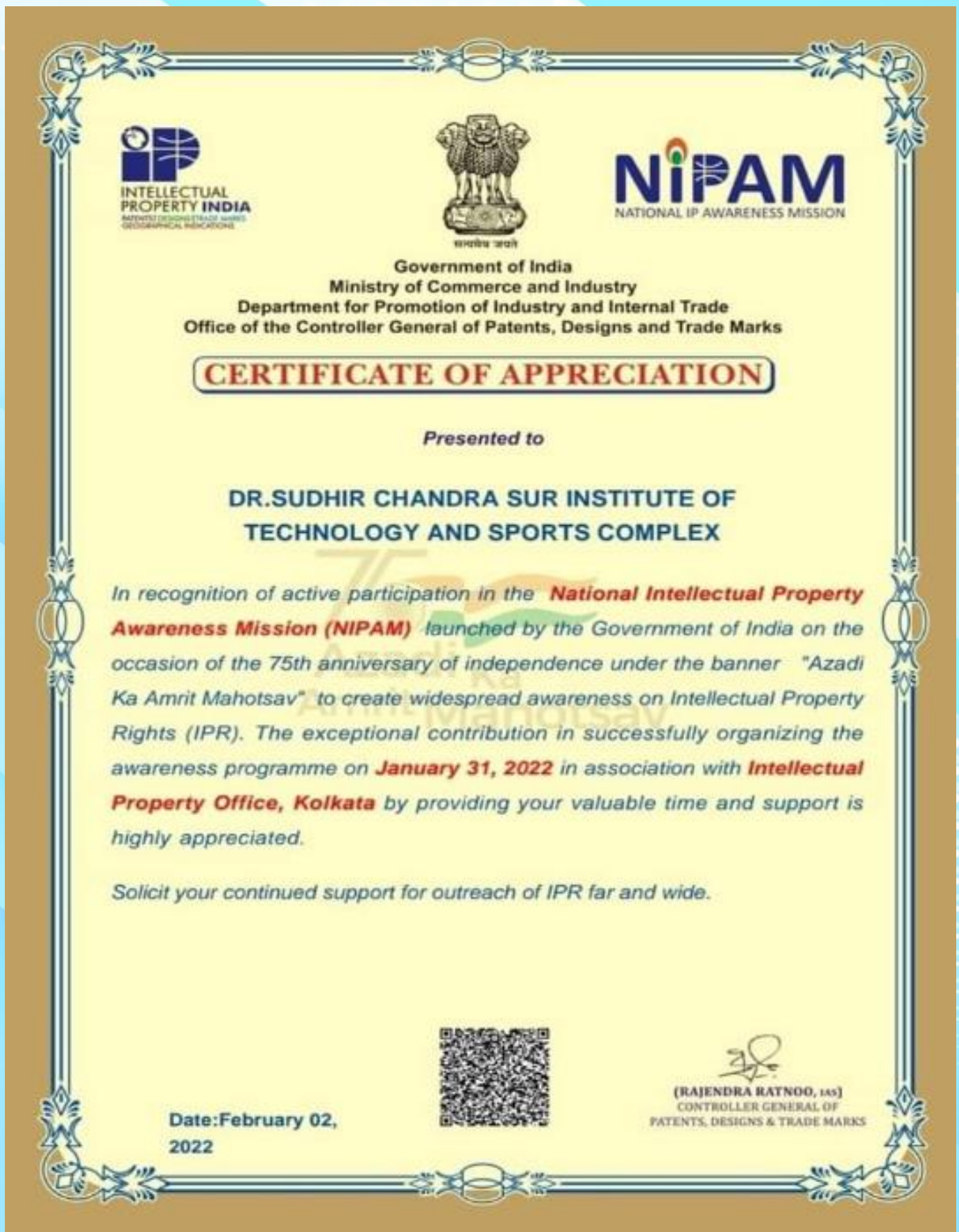
Dr.Sagar Mukherjee
Chairman,
IEEE SSCS Kolkata Chapter

*This is an E-Certificate

Achievements & Recognition

INTELLECTUAL PROPERTY INDIA
PATENTS DESIGNS TRADE MARKS
GEOGRAPHICAL INDICATIONS

NiPAM
NATIONAL IP AWARENESS MISSION

Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE OF APPRECIATION

Presented to

DR.SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

In recognition of active participation in the **National Intellectual Property Awareness Mission (NIPAM)** launched by the Government of India on the occasion of the 75th anniversary of independence under the banner "Azadi Ka Amrit Mahotsav" to create widespread awareness on Intellectual Property Rights (IPR). The exceptional contribution in successfully organizing the awareness programme on **January 31, 2022** in association with **Intellectual Property Office, Kolkata** by providing your valuable time and support is highly appreciated.

Solicit your continued support for outreach of IPR far and wide.

Date:February 02, 2022

(RAJENDRA RATNOO, IAS)
CONTROLLER GENERAL OF
PATENTS, DESIGNS & TRADE MARKS

Achievements & Recognition

INTERNATIONAL AWARD OF HONOUR 2021

Achievements & Recognition

We Support Sustainable Development Goals

Certificate of Ambassadorship

This is to certify that

Prof. Anirbit Sengupta

is an Affiliate - Individual - SPSC Ambassador
(Sustainable Procurement & Supply Chain Ambassador)
in a personal capacity.

We appreciate your efforts, enthusiasm and empathy to support Sustainability & Sustainable Development Goals.

- Ambassador is not allowed to receive any monetary benefits on behalf of iso20400plus Ltd
- Ambassador is not allowed to make any financial commitment on behalf of iso20400plus Ltd
- Ambassadors are people/organisations who act in their personal capacity, or in a professional capacity representing their organization, and not on behalf of iso20400plus Ltd
- Ambassadors are committed to informing, inspiring and supporting Sustainability and United Nations SDGs in their communities and networks
- Valid Ambassadorship certificate should be verifiable by reading QR code through a smartphone camera
- Valid Ambassadorship certificate should be verifiable on our website - https://iso20400plus.com/verify/

Issued On 5 Mar 2022   **Valid till 31 Dec 2022**

p. Makadia

Parin Makadia
Director - Sustainability
iso20400plus Ltd - Aberdeen - Scotland - UK

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Achievements & Recognition

SOUTH ASIAN CHAMBER OF SCIENTIFIC RESEARCH & DEVELOPMENT

(License No: 129917 Issued by: Govt. of India)

Research Coordinating Association of SAARC Countries
Conference - Internship - Research - Publications - MooCs Development

INDIA-NEPAL-SRILANKA-BANGLADESH-BHUTAN-AFGHANISTAN-UAE

" **Most Promising Educator-2021** "

Upon

Prof. Anirbit Sengupta
Dr. Sudhir Chandra Sur Degree Engineering College & Sports Complex, West Bengal

with all the rights & privileges appertaining thereto.

Country	India
Category	Academics
Unique ID	WB/22/0088289
Date of Issuance	28th Jan 2022

CERTIFIED

Dr. Ritesh Jha
Membership in Charge

www.nikhilbharatshikshaparisad.in/chamber-of-research | support@nikhilbharatshikshaparisad.in
National Support Desk: for Membership / Fellowship / Institutional Association +91 9073351234

1st Non Profit & Non Commercial Association- formed by the Electronics Educators & Professionals of West Bengal- Estd. 2021
(Recognized by West Bengal ; Based on ITA Govt.of India - Registration ID: 782/19)

বেতার এবং টেলিযোগাযোগ ইঞ্জিনিয়ারদের সংগঠন   बेतारो और दूरसंचार इंजीनियरों की संगठन

Association of Radio & Telecommunication Engineers

HONORARY MEMBERSHIP ON WORLD RADIO DAY

Prof. Anirbit Sengupta
Department of Electronics & Communication Engineering
Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex , West Bengal

Membership ID: WB/HM/22/003156 | Date of Issue: 13th Feb 2022 | Valid Till: 12th Feb 2023

Professional Members
Division (In-Cha
ID:WB/00

This is System Generated Honorary Membership Certificate.

www.nikhilbharatshikshaparisad.in | support@nikhilbharatshikshaparisad.in | Apply for Professional Membership / Institutional Membership @9073351234

Achievements & Recognition

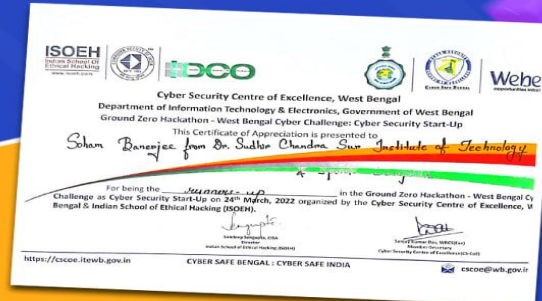**Ground zero Hackathon, West Bengal Cyber challenge as Cyber Security Startup 2022**

Project Name: Traffic Management System Using Sensors

Mr. Soham Banerjee
Position: Runners up
Department: CSE

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www.jisgroup.org

Ground zero Hackathon, West Bengal Cyber challenge as Cyber Security Startup 2022

Project Name: Traffic Management System Using Sensors

Mr. Kaustav Sharma
Position: Runners up
Department: CSE

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www.jisgroup.org

GROUND ZERO HACKATHON WEST BENGAL CYBER CHALLENGE

ANNUAL REPORT 2021-22

Achievements & Recognition

Congratulations!!!

itute/bifurcation

| IIC ID IC201811194 | DR. SUDHIR CHANDRA SUR DEGREE ENGINEERING COLLEGE | Star Ratings ★★★★★ |

Performance Report

IIC Annual Performance Report
Bifurcation of Score and Reward Points

Score:72.5   Reward:72.5

IIC RATING

SurTech | INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative) | JIS GROUP Educational Initiatives

**OUT OF 4
STAR RATING**
★ ★ ★ ★

With great pleasure we would like to inform you that **Dr. Sudhir Chandra** Sur Institute of Technology and Sports Complex have been awarded 4 stars in the IIC Annual Performance Ratings published by the Ministry of Education-Institution's Innovation Council, Government of India

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

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Achievements & Recognition

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Achievements & Recognition

उन्नत भारत अभियान

UNNAT BHARAT ABHIYAN

शिक्षित भारत | सक्षम भारत | स्वच्छ भारत | स्वावलम्बी भारत | आत्मनिर्भर भारत | संपन्न भारत

सभी को मिलाकर गाँवों के विकास के लिए

Convergence of Knowledge/ Experience/ Resources for Rural Development

- Unnat Bharat Abhiyan (UBA) is a Flagship Programme of Ministry of Education (MoE), Govt. of India.
- Higher Educational Institutions (HEIs) of the Country will Work with Villages for their Development.
- Faculty and Students to be Involved in Village Development Plan in Collaboration with District Administration.
- Dr Sudhir Chandra Sur Institute of Technology and Sports Complex is Participating in UBA and Adopted Following Villages for their Development in Collaboration with District Administration.

1. Rameswarpur 2. Kalutala 3. Char Rameswarpur 4. Chanpatala 5. Char Naryanpur

Dr.Sudhir Chandra Sur Institute of Technology and Sports Complex, UBA cell invites all faculty and students to join UBA to Bring for Transformational Change in the Villages. for Participation in UBA Activities, Please contact Coordinator Mentioned Below

Ms.Rinku Supakar
(Coordinator UBA cell)
📞 9433773352

Prof. Virendra Kumar Vijay
National Coordinator UBA
Prof. Saradindu Panda
Principal, DSCSITSC

🌐 www. unnatbharatabhiyan.gov.in
✉ unnatbharatabhiyaniitd@gmail.com
📞 01126596451, 01126596351
🌐 www.surtech.edu.in
📞 9051978666, 6291977707

| Organic Farming | Water Management | Artisans, Industries & Livelihood | Basic Amenities | Sustainable Energy |

UNNAT BHARAT ABHIYAN

Achievements & Recognition

CHAIRMAN IEEE CAS KOLKATA CHAPTER

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Events
2021-22

Events Organized

WEBINAR/SEMINAR/WORKSHOP SESSION ORGANIZED

My Story: Motivational session of a Successful Start-Up founder

Speaker

Mr. Anindya Chowdhury, Founder & Director, Prep Junction, Alumni IIM Rohtak, and Narula Institute of Technology

Dt.29.01.2022

Sustainable Water Management in Agriculture

Speaker

Dr. Uddipta Ghosh, Assistant Professor, Department of CE, JIS College of Engineering

Dt. 12.02.2022

Evolution of Engineering & Technology and Focus on Unwritten Practices

Speaker

Dr. Abhijit Dasgupta, Former Joint Managing Director, M. N. Dastur & Company (P) Ltd

Dt. 04.03.2022

Events Organized

WEBINAR/SEMINAR/WORKSHOP SESSION ORGANIZED
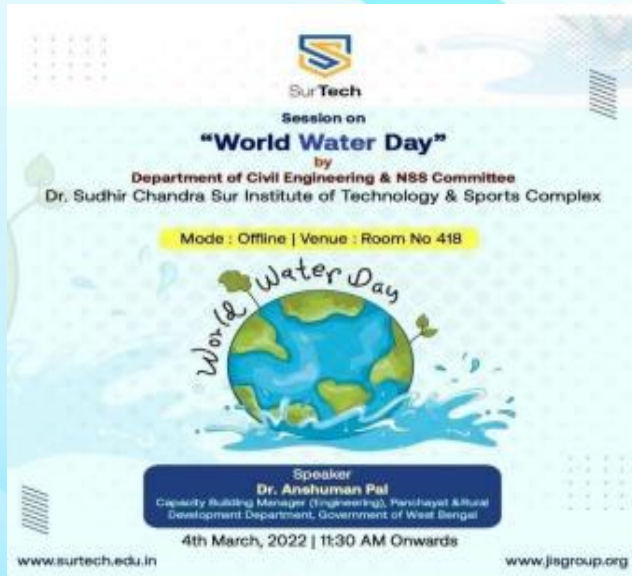
Seminar session on the occasion of World Water Day
Speaker
Dr.Anshuman Pal, Capacity Building Manager (Engineering), Panchayat & Rural Development Department, Government of West Bengal
Dt.22.03.2022

Environment Sustainability in the Light of Curbing Ganga Pollution
Speaker
Dr. Rajashree Lodh, Assistant Professor, Heritage Institute of Technology
Dt. 03.06.2022

How to Plan a Start-up - Legal and Ethical Steps
Speaker
Dr.Sayantan Chakraborty, Director Nikhil Bharat Shiksha Parisad
Dt. 19.07.2022

Events Organized

WEBINAR/SEMINAR/WORKSHOP SESSION ORGANIZED

Lean Start-up & Minimum Viable Product/Business

Speaker

Mr. Joy Deep Ghosh, Director, Neo Construction (NEO IMPERIAL, 146, Bansdroni Park, Jayasree Dutta Villa, Kolkata)

Dt. **17.08.2022**

Scope of Jobs & Masters Abroad in Solar, EV & Data Science
Speaker
Muhammad Sharif, BD manager, HTC Oman, Solar PV Expert
Amit Mandal, Engineering Manager, HTC Oman, Alumni of IIM Bangalore.
Avik Mitra, Accounts Manager, Solargis
Dt. – **20.08.2022**

Treatment of Domestic Wastewater for Sustainable Development
Speaker
Mr. Anjishnu Biswas, Research Scholar (Environmental Engineering), Department of Civil Engineering, IIT Guwahati
Dt. **23.09.2022**
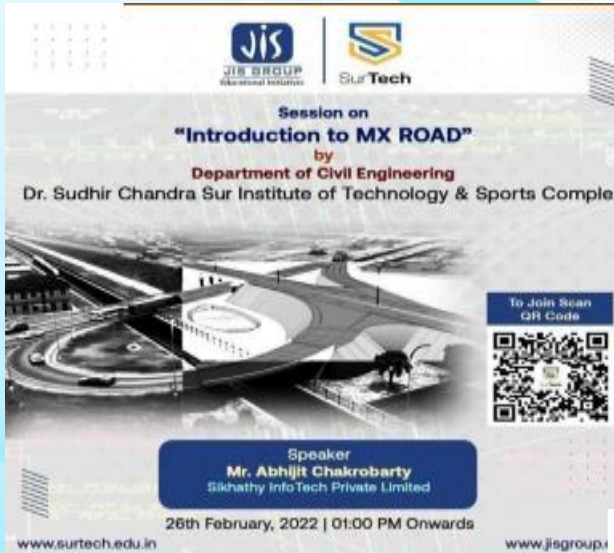
Events Organized

WEBINAR/SEMINAR/WORKSHOP SESSION ORGANIZED

Events Organized

WEBINAR/SEMINAR/WORKSHOP SESSION ORGANIZED

Title: One Day Workshop on *"Voice and Data call flow architecture of GSM Network (2G/3G/4G/ VoLTE)"*
Speaker: Mr. Krishnendu Ghosh and Mr. Abhijit Dasgupta
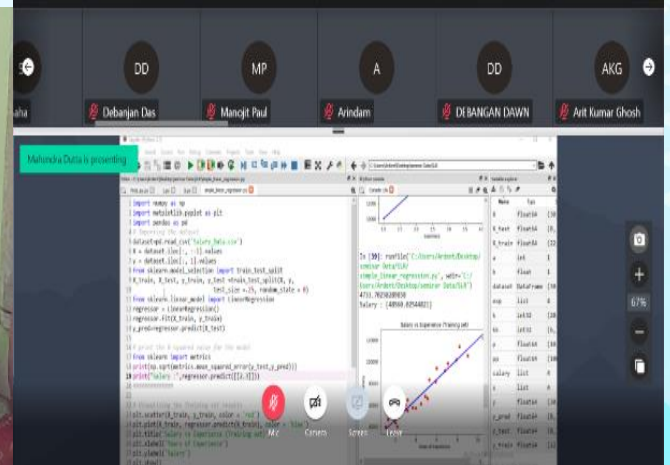
Title: "Workshop on ML"
Speaker: Prof. Ruchira Datta Asst. Prof, CSE, DSCSITSC

Title: "Find the Entrepreneur In You"
Speaker: Mr. Aashutosh Jaiswal, Owner and a Successful Start - Up Founder of Aspire Digital Media.

Events Organized

WEBINAR/SEMINAR/WORKSHOP SESSION ORGANIZED
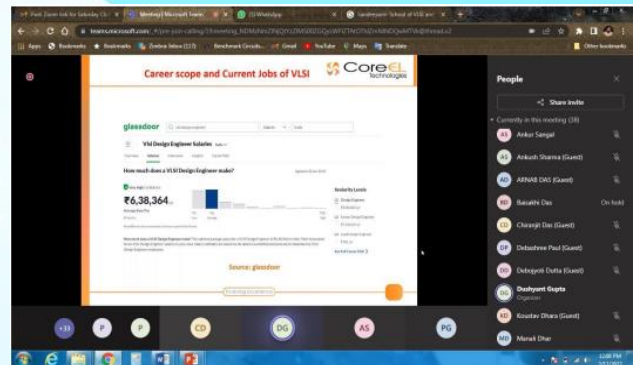
Title: "VLSI/Electronics Industry- Current trends and the future of Innovation, Careers and Entrepreneurship "
Speaker: Mr. Dushyant Gupta, Mr. Ankur Sangal, Mr. Prakash G of CoreEL Technologies (I) Pvt Ltd.

Title: "Browser Security"
Speaker: Prof. P.S. Suryateja, Sr. Member CSI, Associate Professor, Vishnu Inst. of Technology
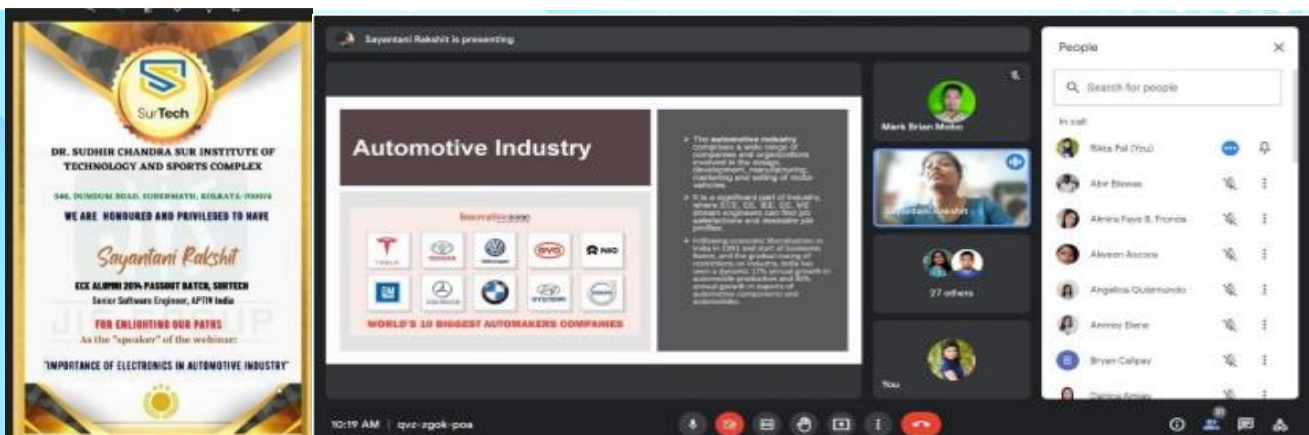
Title: "Importance Of Electronics In Automotive Industry"
Speaker: Ms. Sayantani Rakshit. Senior Software Engineer in APTIV India.

Events Organized

Title: "Quantum Computing"
Speaker: Dr. Amarjit Roy, Member CSI, Assistant Professor, GKCIT, WB.

Title: "Voice and Data call flow architecture of GSM Network (2G/3G/4G/VoLTE)"
Speaker: Mr. Krishnendu Ghosh, Vice President of Training and Development and Mr. Abhijit Dasgupta, Founder & Director, XVIOT TECHNOLOGIES

Events Organized

- **Events**

INDUSTRIAL TRAINING AT HYUNDAI MOTOR TRAINING CENTER
Organized by
Department of Automobile Engineering & Hyundai Motor India Ltd

Coordinator:
Mr. Asim Chakraborty
Zonal Manager Service (Technical) Hyundai Motor India Ltd

Venue: College Premise
Date: 31st July, - 30th August, 2021

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
540, Dum Dum Road, Surer math (Surer Math), Kolkata – 700074, West Bengal

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SKILL DEVELOPMENT TRAINING
Organized by
Department of Automobile Engineering & Logiczap Nextgen Technologies

Coordinator:
Mr. kalyan Mukherjee
Asst. Professor (AUE Department)

Venue: College Premise
Date: 19th April, 2022, Time 12.00 Noon (15 Days)

Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex
540, Dum Dum Road, Surer math (Surer Math), Kolkata – 700074, West Bengal

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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)
2021-2022	Jayanta Si	Senior Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Sandip Bhadra	Senior Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Supriya Dhara	Junior Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Papiya Nayek	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Soumita Banerjee	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Deepta Debnath	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Maheswar Das	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Sayani Roy	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Abhishek Bysack	Assistant System Administrator	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Manoj Kumar Pandey	Lab Attendant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Mayukh Bairagi	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Pallabi Das	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Sanjib Sarkar	Lab Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Anupama Kumar Guha	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Jit Majumder	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Tanmoy Das	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Suparna Rej	Tele caller	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Sayani Ghosh Saha	Marketing Executive	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021

Events (FDP/MDP)

Year	Name of the participant	Designation	Title of the FDP	Dates (from-to) (DD-MM-YYYY)
2021-2022	Budhhdeb Bhattacharya	Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Sushovan Sarkar	Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Abhijit Kundu	Associate Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Biswabandhu Chatterjee	Associate Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Baibaswata Das	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Krishnendu Kundu	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Souvik Chakraborty	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Sourav Kumar Singha	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Debasish Roy	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Prasun Seal	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Nilanjana Banik	Assistant Professor	FDP on Recent Advancement on Civil Engineering (REACH)	18/02/2022 to 24/02/2022
2021-2022	Arindam Mukherjee	Assistant Professor	FDP on Alternative fuels for IC Engine	02/08/2021 to 06/08/2021
2021-2022	Shankha Ghosh	Assistant Professor	FDP on Renewable Energy – A future alternative	17/01/2022 to 21/01/2022
2021-2022	Kalyan Mukherjee	Assistant Professor	FDP on Alternative fuels: Biofuels	04/10/2021 to 08/10/2021
2021-2022	Sk. Tanbir Islam	Assistant Professor	FDP on Unconventional Machining Process	26/07/2021 to 02/08/2021
2021-2022	Pritam Bhattacharjee	Assistant Professor	FDP on Unconventional Machining Process	26/07/2021 to 02/08/2021
2021-2022	Mallika De	Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Shefalika Ghosh Samaddar	Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Arpita Saha Chowdhury	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Rinku Supakar	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Madhusmita Mishra	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Anjan Kumar Payra	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Debdatta Chatterjee	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Sanjoy Bhattacharjee	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Ruchira Dutta	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Rupan Panja	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Amal Kumar Saha	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Bishal Das	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Somenath Kumar	Assistant Professor	FDP on Digital Image processing using MATLAB	25/06/2022 to 30/06/2022
2021-2022	Prathita Roy	Assistant Professor	Recent Advances in Control Systems - 2021	18/10/2021 to 22/10/2021
2021-2022	Kriti Mukherjee	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021-2022	Anubrata Mondal	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021-2022	Soumen Dhara	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021-2022	Atreyee Kundu	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021-2022	Anirban Chowdhury	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021-2022	Aviroop Dewan	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021-2022	Suvendu Mondal	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021-2022	Indranil Kushary	Assistant Professor	FDP on Emerging Technologies in Artificial Intelligence, Data Science and Cyber Security	17/07/2021 to 21/07/2021
2021-2022	Arindam Banerjee	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021-2022	Arpita Dey	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021-2022	Rahul Kumar Prajapati	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021-2022	Subhasish Halder	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022

Events (FDP/MDP)

2021-2022	Subhendu Pal	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021-2022	Arpita Chatterjee	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021-2022	Geetika Kumari Salwan	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021-2022	Pradeep Kumar Sharma	Assistant Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021-2022	Ruma Sen	Associate Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021-2022	Sujoy Saha	Professor	FDP on Additive Manufacturing	18/02/2022 to 24/02/2022
2021-2022	Jayanta Si	Senior Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Sandip Bhadra	Senior Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Supriya Dhara	Junior Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Papiya Nayek	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Soumita Banerjee	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Deepta Debnath	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Maheswar Das	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Sayani Roy	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Abhishek Bysack	Assistant System Administrator	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Manoj Kumar Pandey	Lab Attendant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Mayukh Bairagi	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Pallabi Das	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Sanjib Sarkar	Lab Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Anupama Kumar Guha	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Jit Majumder	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Tanmoy Das	Technical Assistant	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Suparna Rej	Tele caller	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Sayani Ghosh Saha	Marketing Executive	PDP on Microsoft office management utilities	19/07/2021 to 23/07/2021
2021-2022	Vivek Shaw	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Pallabi Bose	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Sukhendu Sadhukhan	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	A K Mukopad hay	Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Swapan Bhattacharya	Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Abhigyan Ganguly	Associate Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Supriyo Srimani	Associate Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Sangeeta Jana Mukhopadhyay	Associate Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Anirbit Sengupta	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Ananya Banerjee	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Debasmita Manna	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Somnath Dasgupta	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Somdutta Paul	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Gautam kumar Das	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Soumyendu Bhattacharjee	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Pijush Dutta	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Firoj Uddin SK	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Bidisha Dobe	Assistant Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Shasikant Dargar	Associate Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021
2021-2022	Om Prakash Sharma	Professor	FDP on Research Methodology and Software Tools in Research	27/12/2021 to 31/12/2021

Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex

NSS Activities

Academic Year (2021 — 2022)

Message from Coordinator

Ms. Debasmita Manna

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

I'm pleased to speak to you as we present the annual report of the National Service Scheme (NSS) at Dr. Sudhir Chandra Sur Degree Engineering College. This year has underscored the significance of service, collaboration, and community engagement.

Our students have actively embraced the NSS spirit, dedicating their time to initiatives that positively impact both our campus and the local community, from environmental efforts to health campaigns.

I extend my heartfelt thanks to our faculty and staff for their unwavering support, which has empowered our students to lead and effect change.

As we move forward, let's continue to inspire one another and seek new opportunities for service. Together, we can expand our impact.

Thank you for your dedication. 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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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.

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

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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Old Age Home Visit Organized by NSS & Extra Curricular Activities Committee

Date: 1st October 2021
Time: 11.00AM
Venue: Swapna Neerh Old age Home
412, by Lane, Rail Gate Colony, Dum Dum Cantonment, Subhash Nagar, South Dumdum, West Bengal 700065 **No of Participant**: 38

Objective: The aim of the program was to encourage the old people to live life with a positive hope.

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 EXTRACURRICULAR Committee on 01/10/2021 to visit the Old Age Home-Ashram under the scheme of Social Awareness. The Non-Profit Organization accommodates nearly two hundred old men and women, generally aged between fifty to ninety years. The purpose behind this visit was to help the Senior citizens in all the possible ways the students could.

The enthusiastic and determined candidates reached the old age home within an hour from the college. They took charge of all the responsibilities of the organization for the rest of the day. All the candidates greeted the residents and took utmost care of them.

The students of the NSS team on visiting the old age home contributed groceries, fruits,sweets and medical kits, in the hope of helping them to some extent. The plight of living in an old age home where you are forced to adjust and reside with unknown people is quite challenging. However, with the passage of time, every member of this organization lives happily and peacefully with a sense of unity among themselves.

The students spent some fun time with the venerable residents of the home by playing a few brain games and listening to interesting stories of the aged people from their real-life experiences. The NSS team has also talked to the in-charge and authorities of the home for knowing about the different schemes and rental systems which the senior citizens have to pay either on a yearly or quarterly basis. On gathering information, the NSS team had also contributed a small amount of donation to the home to take up the financial bearings of the senior citizens, especially for those who go through some financial constraints.

The visit remained a successful one and at the time of return from home the NSS team promised to revisit Ashram to stand beside the senior citizens in every possible way.

Name of event	Coordinator	Number of participants
Old age Home Visit- Swapna Neerh	Ms. Debasmita Manna	38

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Banner of Old Age Home Visit_on 1st October 2021

Photos of Old Age Home Visit_on1st October, 2021

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Cloth Distribution Camp

Date: 22nd November 2021

Time: 03.00 PM

Venue: Chhatakol Slum Area, 540DumDumRoad, Surer Math,(NearDumDumJn.Station), Kolkata-700074, WestBengal

No of Participants: 27

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 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.

Eventually this noble thought got dimensions and got executed on 22nd November, 2021.For this activity, reusable clothes were collected from students and staffs before the scheduled date. On 22nd November, 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
Cloth Distribution Camp	Ms. Debasmita Manna	27

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Banner of "Cloth Distribution Camp" 22nd November 2021

Distributing clothes to the children on "Cloth Distribution Camp" 22nd November 2021

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Orphanage Home Visit Organized by NSS & Extra Curricular Activities Committee

Date: 31st May 2022

Time: 04.00 PM

Venue: Vivekananda Seva Mission, Orphanage Serampore **No**

of Participants: 78

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 31/05/2022.

They visited an Orphanage Home, Vivekananda Seva Mission near Prabhas Nagar, Serampore and organized a mini workshop for them. They took part in this noble cause under the guidance of NSS Team.

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-Vivekananda Seva Mission	Ms. Debasmita Manna	78

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Banner of Orphanage Home Visit on 31st May 2022

Orphanage Home Visit- Vivekananda Seva Mission on 31st May 2022

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

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Tree Plantation Program Campaign on Environment & Tree

plantation program: "SAVETREE--SAVELIFE"

Date: 17th July, 2021
Time: 04.00PM
Venue: South DumDum Municipality
No of Participant: 20
Objective: The aim of the program was to spread awareness about importance of plantation and environmental awareness.

The NSS and Extra Curricular Committee of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex have organized a "Tree Plantation Program" on 17th July, 2021 within the neighborhood area with the motto "TREE-OUR LIFE" under the scheme of Environmental Awareness. They have also shown a path to reuse the plastic waste bottle for the sapling's plantation. The NSS team has taken the initiative to plant around 120 trees by the students which has served the purpose of a forestation to spread awareness among others. In some places of our country summer may herald the beginning of the rainy season, while in other parts it may cast a dry spell without any water at all. The heat of the summer season is both the bane and blessing of most ecosystems. So, we need to hold our hands together to save trees as they will save our lives. Trees contribute to the environment by providing oxygen, improving air quality, climate amelioration, conserving water, preserving soil.

Variety has been maintained in the species of trees planted by the students. Various types of tree saplings like peepal, cinnamon, neem, eucalyptus and others were planted.

The NSS team leader talked about how planting trees helps to regulate the temperature and absorb all the carbon dioxide from the air. Principal Sir has explained how planting trees helps to make the surroundings greener and how trees serve as homes to many birds and animals. He also suggested that every student should at least plant one tree per year as it will help the world to fight against global warming. The day's event was brought to an end with the Principal's vote of thanks. All the students were suggested to distribute a sapling each to plant in their locality also.

The purpose of the activity was fulfilled with the students planting trees ranging from medicinal values to aesthetic ones and shared their messages with people around about the utility of the particular tree once its sapling is being planted. The activity was summed up with the pledge taking of continuing this program at a regular basis.

Name of event	Coordinator	Number of participants
Tree Plantation Program-**" SAVE TREE--SAVELIFE"**	Ms. Debasmita Manna	20

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Banner of "Tree Plantation" program on 17th July, 2021

Tree plantation by students on 17th July, 2021

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National Pollution Control Day Celebration Organized by NSS & Extra Curricular Activities Committee in collaboration with Department of Automobile Engineering

Date: 2nd December 2021
Time: 10.00 AM
Venue: Dum Dum Road and municipality area
No of Participants: 35
Objective: The aim of the program was to spread awareness among people regarding the detrimental impacts of pollution on society and its members; steps to be taken to control the pollution at all spheres.

The Department of Automobile Engineering along with NSS and Extra Curricular Committee of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex observes the National Pollution Control Day under the scheme of Environmental Awareness (2ndDecember) by preparing posters to spread awareness about controlling pollution.

2nd December is observed as National Pollution Prevention Day in order to commemorate those who lost their lives in the Bhopal Gas Tragedy in 1984. This day also aims to make people understand the need for preserving our natural resources. It also raises awareness about how to prevent pollution caused due to industrial waste release and human negligence.

Our students   prepared posters to spread awareness how pollution
can be controlled by planting trees and using the renewable form of energies for all our purposes. As the students of Automobile Engineering Department, they were quite keen to showcase the recent technologies of Hybrid and Electric Vehicles in order to prevent the pollution.

Teachers sensitized the students about the current scenario of environmental pollution, its disastrous consequences and suggested different methods to stop and control air pollution. The students observed this day through awareness raising activities requesting the society to "GO GREEN" and create a clean and pollution free environment for a healthy living. They made posters and did coloring activity with inspiring messages and also an informative short video on the agents of pollution and ways of minimizing them were shown to the students and invited community peoples in their virtual classrooms.

Students actively participated with great enthusiasm and took the pledge to save mother earth for themselves and for the coming generations.

Name of event	Coordinator	Number of participants
National Pollution Control Day Celebration	Ms. Debasmita Manna Mr. Shankha Ghosh	35

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"National Pollution Control Day Celebration"

Organized by
NSS AND EXTRA CURRICULAR ACTIVITIES COMMITEE

Date : 2nd December 2021, Time 10:00 AM
Venue: Dum Dum Road and municipality area

Banner of National Pollution Control Day 2nd December 2021

Photos of National Pollution Control Day on 2nd December 2021
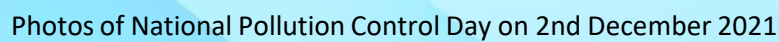
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Awareness Program on Save Fuel Save Country Organized by NSS & Extra Curricular Activities Committee in collaboration with Department of Automobile Engineering

Date: 17th December 2021

Time: 11.00 AM

Venue: Dum Dum Road and Room no- 212, Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

No of Participants: 46

Objective: The aim of the program was to spread awareness among people regarding the arising problem of fuel energy crisis and importance of its optimized consumption.

The students of the Department of Automobile Engineering of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex along with our NSS and Extra Curricular Committee organized an event on the Awareness Program on Save Fuel Save Country under the scheme of Resource Awareness on 17/12/2021.

The students have prepared different model vehicles which run without fuel to inform our society about fuel consumption.

Fuel being one of the most important resources in our earth. But for the ever-increasing need of our daily life uses we are continuously exploiting the resources which are becoming the major reason for depletion of the resources still available although exhausting on a rapid rate.

The students of the NSS team have made different types of posters with awareness messages to highlight the issue of fuel crisis leading to severe problems in near future and therefore the need to cut short on its carefree consumption to fulfill every trivial need.

Different vehicles and gadgets have been demonstrated by the students that can be run and used with the help of renewable energies at cheaper cost, there by assisting the people in fulfilling their daily-life needs.

The purpose of the activity was served by the students remaining abstained from using their vehicles run by fuel on that day. Few members of the team have also opted for a walk those stay nearby the college. The active participation of the students and staff members in the event made it a successful one.

Name of event	Coordinator	Number of participants
Awareness Program on Save Fuel Save Country	Ms. DebasmitaManna Mr. Shankha Ghosh	46

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Banner of Awareness Program on Save Fuel Save Country on 17th December 2021

Student using eco-friendly vehicle

Project Demonstration on "Save Fuel Save

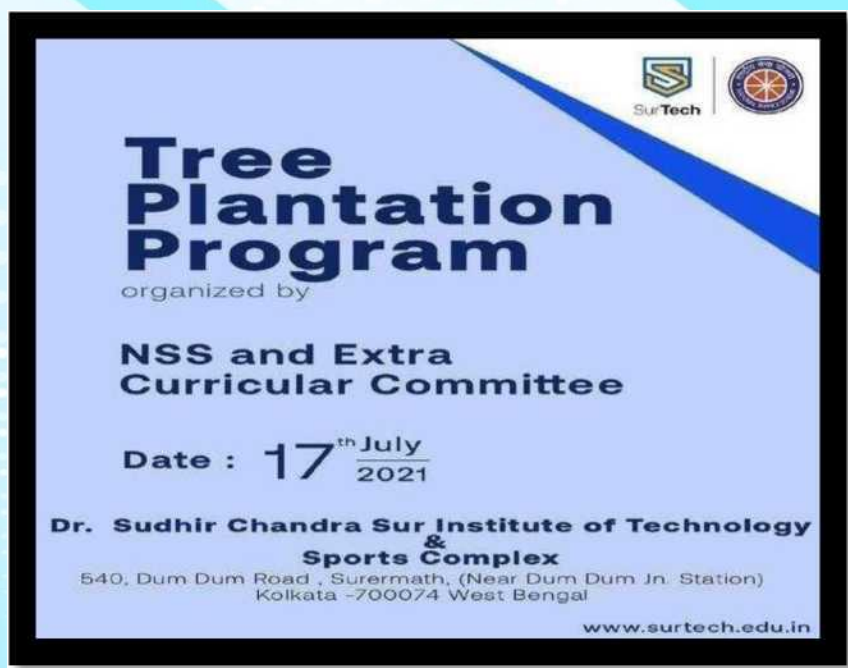Images of Awareness Program on Save Fuel Save Country on 17th December 2021

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Beti Bachao Beti Padhao Organized by NSS & Extra Curricular Activities Committee in collaboration with Department of Electronics and Communication Engineering

Date: 24th September, 2021

Time: 11.00AM

Venue: Individual Residential Area of Students **No**

of Participants: 78

Objective: The aim of the program was to spread awareness among people regarding the need for imparting education to every girl child to give them a bright future.

The students of Department of Electronics & Communication Engineering of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex along with our NSS and Extra Curricular Committee organized an activity "Beti Bachao Beti Padhao" under the scheme of Gender Awareness on 24th January 2021 to aware our students as well as society. "Beti Bachao, Beti Padhao" is an initiative launched by the Government of India that aims to create awareness and progress the competence of well-being services envisioned for girls in India.

The main objective of the programme was to create awareness among the people about the importance of girl child. The bigger objective was to discourage them against the female feticide, a cancer for the society. There was a huge enthusiasm among the teachers and the students for the programme.

There was a string of activity such as Poster Making Competition, Essay Writing Competition involving our student's neighbourhood community peoples.

Then there were poster-making and Essay-writing competitions. More than 50participants expressed their views through sketches and pen. Also our students volunteer few community people to encourage the society to encourage Beti Bachao Beti Padhao.

The aim of the program was to encourage a greater number of girls and women to start learning, educate themselves so as to live life not just with mere sympathy received from the patriarchal society, but to claim one's own survival with dignity.

Name of event	Coordinator	Number of participants
Beti Bachao Beti Padhao	Ms. Debasmita Manna	78

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Banner of Beti Bachao Beti Padhao on 24th September, 2021

Image on Beti Bachao Beti Padhao on 24th September, 2021

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Blood Donation Camp Organized by NSS & Extra Curricular Activities Committee

Date: 7th October 2021

Time: 11.00 AM

Venue: Blood Collection Venue: College Campus for Donation to Lion's Club **No of**

Participants: 90

Objective: The purpose of this activity was to encourage people to donate blood voluntarily to save people at times of their need and emergency in this regard.

With great pleasure we would like to inform you that the Extra Curricular and NSS Committee members of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex along with students had organized a "Blood Donation Camp" under the scheme of Health Awareness on 21st November, 2021 to help people facing difficulties in accessing blood at the time of emergency.

The camp was organized by the NSS team to help the people along with Thalassemia patients. The camp took place in room 418 and the event began with Principal Sir donating blood. The students of different streams of the institute too participated in the program.

Apart from students, staffs and other officials also participated in this event. The blood collected from this camp was to be given to the R.G KAR Hospital Government Thalassemia Hospital through Lion's Club. The NSS team had arranged for refreshments for those who donated blood in the camp. Students and others who had participated in this blood donation camp were given certificates and a small gift hamper.

To watch over the entire process and to collect the blood, a team of five doctors were put in charge. The institute had also arranged for a resting room for anyone who felt dizzy or sick after donating blood. Volunteers from a local club also had come to help the institute in organizing the blood donation camp. After the completion of the blood donation, the Principal thanked and appreciated everyone present in the camp. The day ended with the National Anthem and a heartfelt vote of thanks from the Principal of the college.

Motto of the campaign- "Donate Blood & Save Lives"

The program was a success and was ended with a pledge taking of reorganizing the camp at regular intervals to distribute blood to different organizations to reduce the crisis of supply at time of need.

Name of event	Coordinator	Number of participants
Blood Donation Camp	Ms. Debasmita Manna	90

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Banner of Blood Donation Camp on 7th October 2021
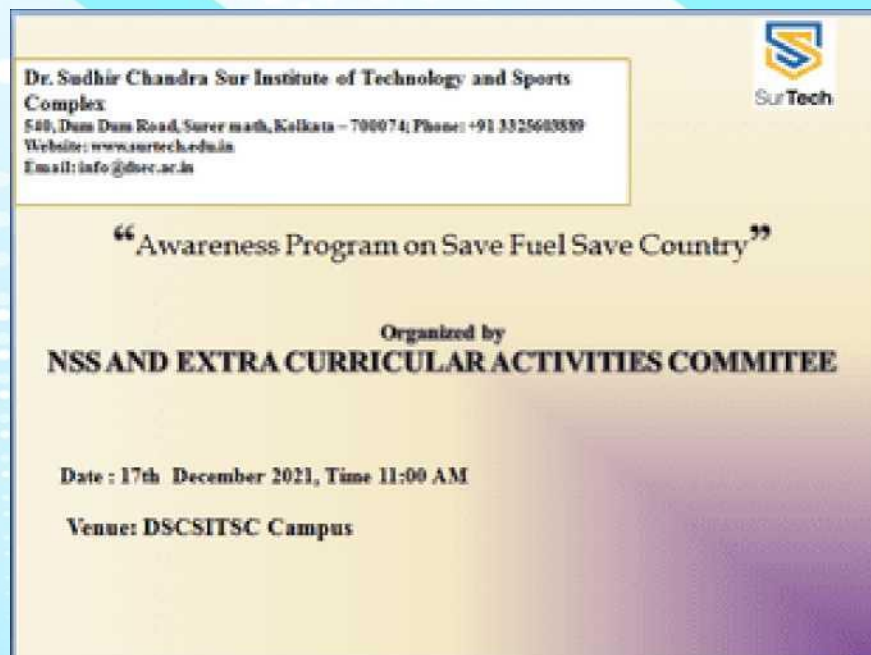

Glimpse of the Blood Donation Camp on 7th October 2021

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Road Safety Campaign Organized by NSS & Extra Curricular Activities Committee

Date: 21st March 2022
Time: 03.00 PM
Venue: Locality of College DumDum Road
No of Participants: 85
Objective: The purpose of this activity was to make people aware about following traffic rules and other protocols while moving on the road.

The Extra Curricular and NSS Committee members of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex in coordination with the students had organized an activity of "Road Safety Campaign" under the scheme of Mass Awareness on 21st March 2022 to educate the students as well as society about road safety measures.

The purpose of this activity was to educate students as well as society the necessity to follow road safety protocols.

Road safety is a safety measure to reduce the risk of road accidents and road side injury because of the mistakes of people while driving on the road. We cannot count the daily road side accidents and death of people because of the driving mistakes and lack of road traffic rules followers. Every person going on the road has risk of injury or death.

The main objectives of the campaign are as follows:

• To create awareness on road safety among students and faculties.

• To understand the importance of a road safety and make aware about the importance of their and others life.

• To motivate the students and faculties to follow road safety.

The students and NSS team members have come out on the road with slogans to aware the common people about the need to follow the traffic rules and other safety measures while walking on the road. The rules to be followed while crossing the road have also been demonstrated by the students in nearby crossings.

The active participation of the students in this NSS activity have remained a successful one with the purpose of spreading awareness messages being served in and around the locality of the college.

Name of event	Coordinator	Number of participants
Road Safety Awareness	Ms. Debasmita Manna	85

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Banner of Road Safety Campaign on 21st March 2022

Road Safety Awareness Program on 21st March 2022

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Covid Care Program Organized by NSS & Extra Curricular Activities Committee in collaboration with Department of Basic Science and Humanities

Date: 12th July 2021 **Time**: 03.00PM
Mode of Conduct: Online Platform for the people of South Dumdum Municipality area **No of Participants**: 200
Objective: To spread awareness in our society about Covid protections to be adopted for fighting against this pandemic and achieve fitness.

The Extra Curricular Activities Committee and NSS members of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex in coordination with the students had organized an activity of "COVID Care Program" under the scheme of Health Awareness on 12th July 2021to help people in gaining knowledge about the various types of precautions and steps to be taken to fight against this pandemic in order to stay fit.

The Covid Care Programme administered by Mr. Ripu Sudan and other committee members aimed at imparting gainful knowledge for developing physical and mental well being amidst this pandemic.

The session helped more than 200 participants including students and local people of DumDum Municipality area who had registered in this activity to learn how to be safe in this situation.

Name of event	Coordinator	Number of participants
Covid Care Program	Mr. Vivek Shaw and Ms. Debasmita Manna	200

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Banner of Covid Care Program on 12th July 2021

Photos of the Event Covid Care Program on 12th July 2021

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AIDS Awareness Campaign Organized by NSS & Extra Curricular Activities Committee

Date: 7th December, 2021

Time: 04.00PM

Venue: Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex for the local people of South Dumdum Municipality Area

No of Participants: 58

Objective: The purpose of this activity was to aware people about the spread of AIDS and steps required to fight it.

The Extra Curricular and NSS Committee members of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex along with all students had organized an activity "AIDS

Awareness Activity" under the Health Awareness Scheme on 07th December, 2021 to spread awareness against AIDS.

The activity began with a motivational speech by our Principal Sir about the causes and symptoms of AIDS which can be avoided or overcome by following certain protocols. Students have made posters and have also given speeches about this disease.

The program was a call to the society to make them understand that people suffering from AIDS should not be kept isolated. They should be treated with care and should receive proper medical treatment. Few primary Blood Test of more than 35 local preregistered people done in collaboration with Medica Diagnostic Centre.

Name of event	Coordinator	Number of participants
AIDS Awareness Activity	Ms. Debasmita Manna	58

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Banner of AIDS Awareness Campaign on 7th December, 2021

AIDS Awareness Activity on 7th December, 2021

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Swachh Bharat Awareness Activity Organized by NSS & Extra Curricular Activities Committee

Date: 15th October, 2021 **Time**: 11.00 AM

Venue: South DumDum Municipality Hospital **No of Participants**: 25

Objective: The purpose of this activity was to make people aware about the importance of maintaining cleanliness in and around our society

The Extra Curricular and NSS Committee members of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex along with all students had organized an activity on "Swachh Bharat Awareness Activity" under the scheme of Social Awareness on 15th October, 2021 to promote the message of cleanliness to be maintained all around.

The students have cleaned up the South DumDum Municipality Hospital. They have also moved on to the nearby street to promote this drive under the supervision and guidance of NSS team.

Name of event	Coordinator	Number of participants
Swachh Bharat Awareness Activity	Ms. Debasmita Manna	25

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Banner of Swachh Bharat Awareness Activity on 15th October, 2021

Photos of Swachh Bharat Awareness Activity on 15th October, 2021

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Vaccination Drive Organized by NSS & Extra Curricular Activities Committee

Date: 28th October, 2021 to 30th October, 2021 **Time**: 10.00AM

Venue: College Campus for local People **No of Participant**: 3000

Objective: The aim of the program was to vaccinate people helping them to fight against Corona virus.

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, Dum Dum, holding the societal responsibility to Vaccinate the Society has successfully conducted the Free Vaccination Drive (2nd Dose) on 28th, 29th and 30th of October, 2021.

On the Inaugural Day i.e. 28th October, 2021, we have with us Hon'ble MLA, Smt. Aditi Munshi, MLA Rajarhat Gopalpur, as a Chief Guest. In her blessing words she appreciated the initiative taken by the Institute to combat with Covid-19.

In the afternoon, Hon'ble Minister Sh. Sujit Bose, Govt. of West Bengal also graced the occasion, and appreciated the vaccination drive with his blessing words.

In the Free Vaccination Drive 3000 approx. doses were given to students, alumni, faculties, staff and their family members along with huge numbers of local people.

Name of event	Coordinator	Number of participants
Vaccination Drive	Ms. Debasmita Manna	Approx 3000

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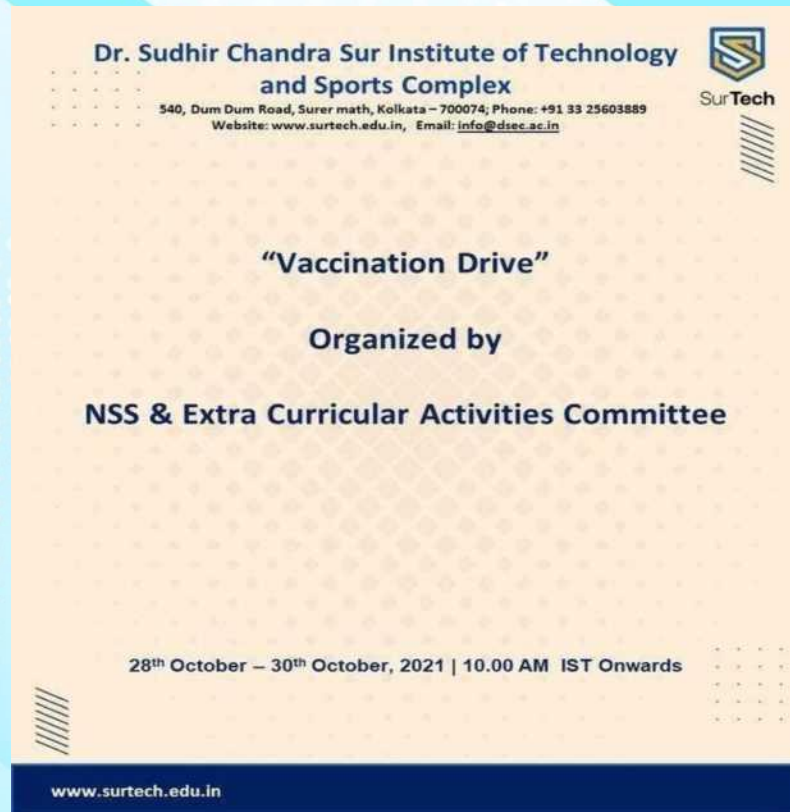
Banner of the program Vaccination Drive from 28th October, 2021 to 30th October, 2021

Photos of Vaccination Drive from 28th October - 30th October, 2021

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ANNUAL ACTIVITIES OF STUDENTS' CLUBS

2021-2022

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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.

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

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

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

1. 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.

1. 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.

1. 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.

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

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

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

1. 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 2021-2022

· Science and Technology Club

Sl No	Name	Designation	Department
1.	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2	Ms. Rinku Supakar	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	Mr. Arindam Mukherjee	Faculty Member	Department of AUE
6	Ms Ananya Banerjee	Faculty Member	Department of ECE
7	Debashmita manna	Faculty Member	Department of ECE
8	Mr. Prathita Roy	Faculty Member	Department of EE
9	Mrs. Rumrum Banerjee	Faculty Member	Department of EE
10	Ms. Geetika kumari Salwan	Faculty Member	Department of ME
11	Kundan Sharm	Student Member	Department of AUE
12	Sayani Dutta	Student Member	Department of CSE
13	Hritodip Chatterjee	Student Member	Department of CE

· 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	Kalyan Mukherjee	Faculty Member	Department of AUE
4	Souvik Chakraborty	Faculty Member	Department of CE
5	Debasmita Manna	Faculty Member	Department of ECE
6	Sandip Bhadra	Staff Member	Department of AUE
7	Soumyajit Sarkar	Student Member	Department of ME
8	Anirban Saha	Student Member	Department of EE

· Mathematics Club

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Sl No	Name	Designation	Department
1.	Prof. (Dr.) Saradindu Panda	Chairman/President	Principal, Admin
2.	Ms. Pallabi Bose	Faculty, Convenor	Department of BSH
3.	Dr. Chaity Chatterjee	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. Prasun Seal	Faculty Member	Department of CE
9.	Ms. Geetika Kumari Salwan	Faculty Member	Department of ME
10.	Mr. Saptarshi Sen	Student Member	Department of CSE
11.	Ms. Nikita Sarkar	Student Member	Department of EE
12.	Mr. Bitan Saha	Student Member	Department of ME
13.	Mr. Deep Raj Panda	Student Member	Department of ECE
14.	Mr. Apurba Debnath	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. Mallika De	Faculty Member	Department of CSE
4	Debdatta Chaterjee	Faculty Member	Department of CSE
5	Rinku Supakar	Faculty Member	Department of CSE
6	Md. Shafi Hussain	Student Member	Department of CSE
7	Kaushik Didwania	Student Member	Department of CSE
8	Mohit Seth	Student Member	Department of CSE
9	Pushpanjoy Sharma	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
7	Akash Chatterjee	Student Member	Student, CSE
8	Ms. Nikita Sarkar	Student Member	Department of EE
9	Mr. Apurba Debnath	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	Arijit Ghosh	Student Member	Department of CSE
6	Srija Samanta	Student Member	Department of CSE
7	Aniket Jana	Student Member	Department of CE
8	Raj Biswas	Student Member	Department of EE

· 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	Mr. Prathita Roy	Faculty Member	Department of EE
7	Ms. Nibedita Biswas	Faculty Member	Department of BSH
8	Soham chatterjee	Student Member	Department of CE
9	Aniket bhattacharya	Student Member	Department of AUE
10	Ishita samajpati	Student Member	Department of ECE
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

Sl No	Name	Designation	Department
8	Prohit Sil	Student Member	Department of CSE

· **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
7	Akash Chatterjee	Student Member	Department of CSE
8	Aunisha Patra	Student Member	Department of CSE
9	Anushka Maity	Student Member	Department of ECE
10	Sayani Bhattacharya	Student Member	Department of ECE
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	Teesha Singh	Student Member	Department of ECE
11	Sneha Das	Student Member	Department of CSE

· **Literary Club**

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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	Mr. Subhodeep Paul	Student Member	Department of ME
10	Soumita Dasgupta	Student Member	Department of CSE
11	Anamika Rani	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	Sagnik Das	Student Member	Department of ME
7	Rishav Haldar	Student Member	Department of CE

· **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. Sanjib Sarkar	Faculty Member	Department of EE
7	Mr. Manoj Pandey	Faculty Member	Department of CSE
8	Mr. Supriya Dhara	Faculty Member	Department of AUE
9	Mr. Tanmoy Das	Faculty Member	Department of ME
10	Ms. Antara Chowdhury	Faculty Member	Department of T&P
11	Mr. Vivek Shaw	Faculty Member	Department of BSH
12	Mr. Mayukh Bairagi	Faculty Member	Department of ECE
13	Mr. Arindam Mukherjee	Faculty Member	Department of AUE
14	Mr. Anish Das	Student Member	Department of EE
15	Ms. Debanjali Roy	Student Member	Department of CE
16	Mr. Sagnik Das	Student Member	Department of ME
17	Ms. Sayani Dutta	Student Member	Department of CSE

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Science and Technology Club

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One Day Seminar on Industrial application of IoT Technology

Date: 17th November, 2021
Venue: Online Platform
No of Participants: 110
Objective: To enlighten about Industrial application of IoT Technology

It gives us immense pleasure to inform you that the Science and Technology Club in association with Department of Electronics and Communication Engineering of DSCSITSC and in collaboration with The Institution of Electronics and Telecommunication Engineers (IETE) Student Forum of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has organized a One Day Seminar on "Industrial application of IoT Technology" on 17th November, 2021 in online mode.

Prof. (Dr.) Jayanta Kumar Roy- Chairman of IETE Kolkata Centre was the Chief Guest as well as Guest speaker .The event was virtually inaugurated with a Welcome Address by Prof. (Dr.) Saradindu Panda, Principal, DSCSITSC. At first our honourable speaker highlighted the role of ISF and shared his experiences to encourage the new generation to work in a team followed by sharing his vivid knowledge and experience about every aspect of technology. He explained different fields and applications of the topic.
A small token of honor -Memento was presented by the Institute to the Guests.

The seminar ended successfully with a vote of

thanks. Glimpse for your reference.

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A one-day seminar on "A problem that can't be solved with the IF-ELSE condition"

Date: 25-04-2022

Venue: College Campus

Objective: To aware students about Crisp Set, Boolean Logic and what is FUZZY.

Department of Electronics and Communication Engineering in association with Science and technology Club of DSCSITSC organized a one-day seminar on "A problem that can't be solved with the IF-ELSE condition "on 25-04-2022 in Room No.418 at Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex.

The program started at 12:05 am with the welcome address by Dr. Abhigyan Ganguly, HOD ECE. The main goal of the seminar is to give students important advice on how and why do we need Fuzzy Clustering. The Fuzzy C is a method of clustering which allows one data to belong to two or more clusters and is frequently used in image segmentation and pattern recognition. Some of the things that Fuzzy system can do likewise Fuzzy washing machine/ camera/ AC, Diagnostic system, Segment tumors from brain MRIs, Discover biomarkers for cancer, Quality improvement of medical images, Predict rainfall, Recommend when and how much fertilizer to be used, and many more. Also the students can learn easily that how to use the rules of this method which will Department Of Electronics and Communication Engineering effectively elaborate the research or project challenge in order to give the students the tools they need to complete research or projects at a higher level.

At the end of the program, Dr. Abhigyan Ganguly, HOD ECE expressed gratitude to all participants and delivered vote of thanks.

The session concluded with a memento presentation to the honorable speaker and the group

photography. Outcome:

Students were aware about Crisp Set, Boolean Logic and what is FUZZY.

Students get knowledge about fuzzy set theory, Membership function, Fuzzy set vs Crisp

set. Some of the things that Fuzzy system can do

Familia with the Fuzzy Logic Process and Fuzzy System.

Glimpse o

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Robotics Club

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Virtual Extempore Event

Topic: An i-Navigate Workshop on Line Tracing Robot

Date: 07.09.2021

Venue: online

Objective: To introduce the students about working, Manufacturing, and design of line tracing robot.

Robotics club of DSCSITSC has organized one day Virtual Extempore Program on an i-Navigate Workshop online Tracing Robot 7th november, 2021 at DSCSITSC.

Students are motivated to participate in different robotics competitions at state and national level. They gain knowledge of basic dynamics of line tracing robots.

Glimpse of the event

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Virtual Extempore Event

Topic: Robocon – 17 with theme "The Landing Disc

Date: 07.02.2022

Venue: online

Objective: To introduce the students about working of the robotics club and about various competitions To introduce activities conducted under club like Manual workshop, Auto-robot workshop,Line Tracer, Basic lectures on Robotics

Students were motivated to participate in different robotics competitions at state and national level.The history of robotics club and introduction to robotics club was explained by Prof. V.P. Rao. Robocon team leader Anurag Shaw explained different types of robots made by Team Vulcans, Team e-Yantra members and different activities conducted under robotics club.

Nirman Club

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Essay writing on Lean construction".

Date: July 23, 2021
Platform: Online

Objectives: To encourage participants to research and understand lean construction principles

and their application in the construction industry.

On July 23, 2021, an online essay writing competition on "Lean Construction" was held, aimed at deepening participants' understanding of lean principles in construction. This event provided a platform for students to explore and articulate their thoughts on how lean construction techniques can enhance efficiency, reduce waste, and improve overall project outcomes. A total of 28 participants took part in the competition, showcasing their research and writing skills on this critical topic.

The competition was conducted online, allowing participants to submit their essays electronically. Each participant was required to write an essay on a specified topic related to lean construction, such as the implementation of lean principles in construction projects, the impact of lean techniques on

project efficiency, or case studies of successful lean construction projects.

The essays were evaluated based on criteria including clarity of argument, depth of research, originality, and relevance to lean construction principles. Judges comprised faculty members and industry professionals who reviewed the essays and provided constructive feedback to all participants.

Event Outcomes

· Participants demonstrated a strong grasp of lean construction principles, with essays reflecting comprehensive research and insightful analysis. The competition helped participants improve their writing and analytical skills, allowing them to effectively communicate complex ideas. The event raised awareness about the advantages and challenges of lean construction, contributing to a greater

understanding of how lean practices can be applied in real-world scenarios.

Glimpse of the event

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Project Competition "Builder".

Date: March 21, 2022
Location: College Campus

Objective: To inspire students to develop and present innovative solutions to current problems in the construction industry.

On March 21, 2022, the college campus hosted a project competition titled "Builder," designed to showcase and evaluate innovative projects related to construction and civil engineering. The competition aimed to provide a platform for students to present their creative solutions and practical applications in the field of construction. A total of 51 participants took part in the event, presenting a diverse range of projects that highlighted their understanding of current challenges and advancements in the construction industry.

Event Overview

The "Builder" project competition was held on the college campus, with participants presenting their projects in front of a panel of judges and an audience of peers. The competition featured a wide range of projects, including innovative construction techniques, sustainable building practices, advanced materials, and practical solutions to industry challenges. Each participant or team had the opportunity to present their project, followed by a Q&A session where judges and audience members could ask questions and provide feedback.

The projects were evaluated based on criteria such as originality, feasibility, technical accuracy, and presentation quality. Judges included faculty members and industry professionals who assessed the projects and selected the winners based on these criteria.

Event Outcomes

· Showcased Innovation: The competition highlighted a variety of innovative and practical solutions in construction, demonstrating participants' creativity and technical skills.

· Enhanced Learning: Participants gained valuable feedback from judges and peers, which contributed to their understanding of project development and presentation.

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Some glimpses of the program are attached here with.

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Mathematics Club

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Observation of "Break the Code" Unlock the Treasure an IQ Measure

No. of Participants: 45

Venue: Online Platform

Date: 23.10.2021

Time: 5:00P.M

Objective of the Event- To encourage students to think outside of the box and find creative solutions to the problems the faces

The Mathematics club of SurTech has organized a competition on reasoning, "Break the Code" Unlock the Treasure an IQ Measure on 23.10.2021 on online mode.

The competition was started by the speech of Principal sir. He shed light on the importance of mathematical knowledge in the curriculum of engineering discipline and in the cognitive development of an engineer. Students participated in groups, total 15 numbers of groups were there. The event was designed to encourage students irrespective of departments to boost and employ their cognitive brilliance. Different kinds of mathematical puzzles were given as challenges and students were supposed to solve them within the due time.

It was ended by announcing the winning group and vote of thanks to the audience by Mr Arindam Mukherjee, member of Mathematics club.

Some glimpses of the program are attached here with.
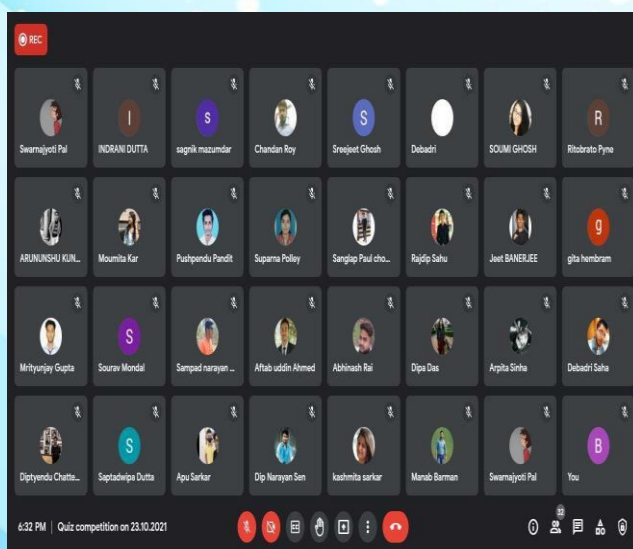
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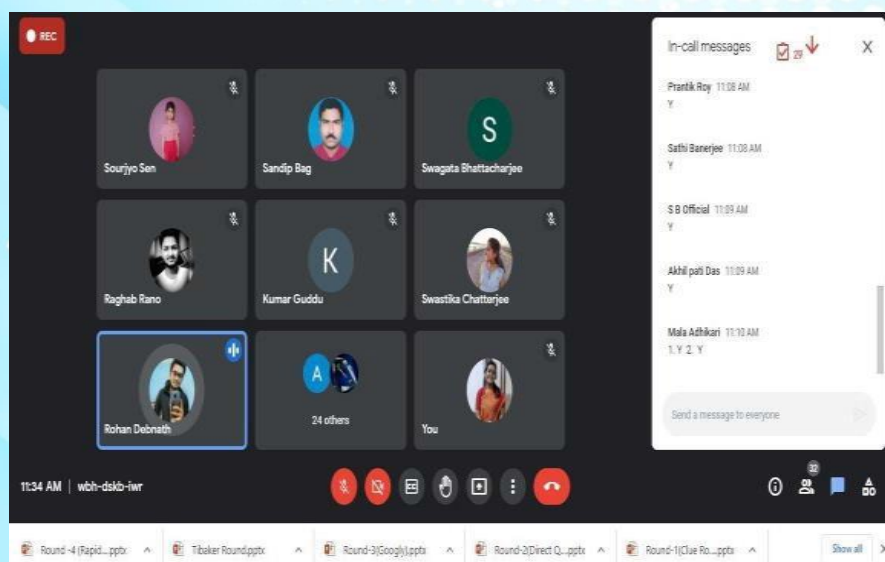Phone: +91 22 25603889, 25603898, 65330375

Observation on Webinar on History behind PI

No. of Participants: 35

Venue: Online Platform

Date: 14.03.2022

Objective: To make mathematics more relatable and fun.

The Mathematics Club of SurTech has celebrated "PI Day" on 14th March, 2022 from 5:00 pm onwards by arranging a Workshop on "The History Behind PI". The Speaker of the event was Dr. Babulal Seal, Professor, Department of Statistics and Mathematics, Alliah University.
More than 50 students have taken part in the program and the session was very interesting, and all the participants enjoyed and interacted throughout the session. The program was concluded with an end note and Vote of Thanks by Ms Pallabi Bose (Convenor, Mathematics Club).

Glimpse of the seminar are attached herewith.
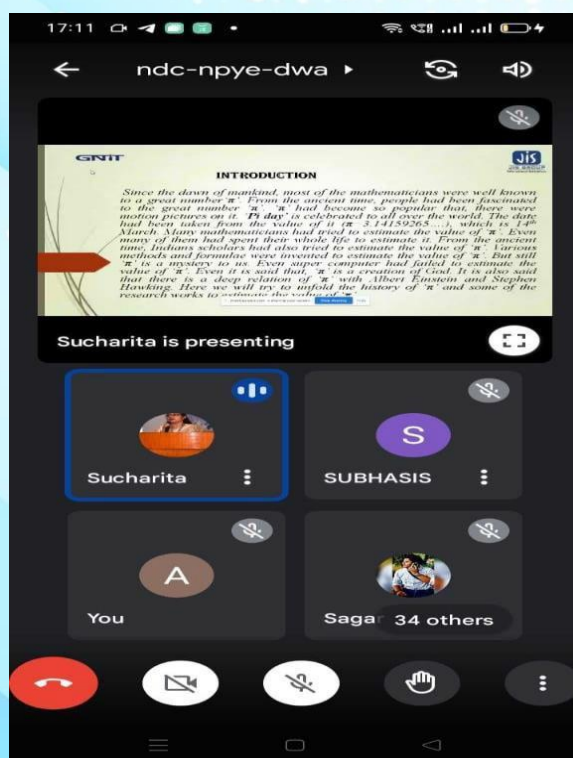
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Coding Club

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CodeHub

Date: 17/03/2022

Place: CSE Lab 5 (Offline mode), HackerEarth (Online mode)

Participants: College students who had registered for the

contest **Objective:** To enhance problem-solving and debugging

skills

The Department of CSE has organized a online coding contest on 17th March 2022 in virtual platform google meet as well as at CSE lab-5 in order to promote coding skill and attitude of the students.

Coding enhances problem-solving and debugging skills, giving the real-time fun of budding technocrats. Coding teaches a student to find the easiest solution in the quickest possible way. As one person starts solving harder and harder problems in live-contests of coding, his or her analytical and rational thinking intensifies.

Platform supporter: HackerEarth

Total Participation: 124

Top performers:

· **1st - Gourav Shaw - 85/120 mins. (CSE 2nd Year)**

· **2nd - Prasmita Roy - 117/120 mins. (CSE 1st Year)**

· **3rd - Simran Sharma - 119/120 mins. (CSE 2nd Year)**
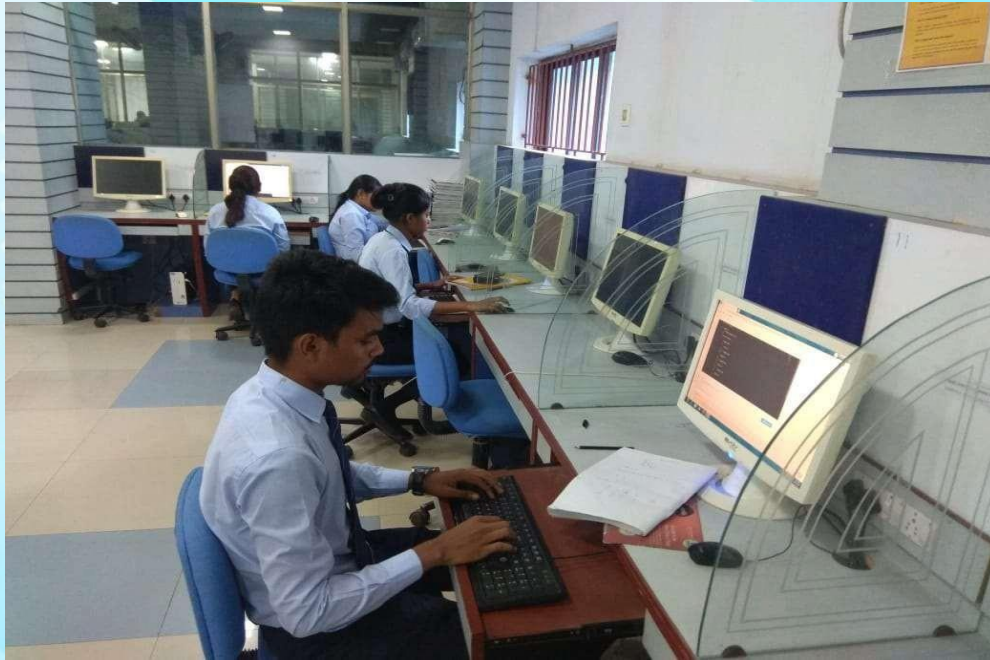
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Art and Craft Designing Club
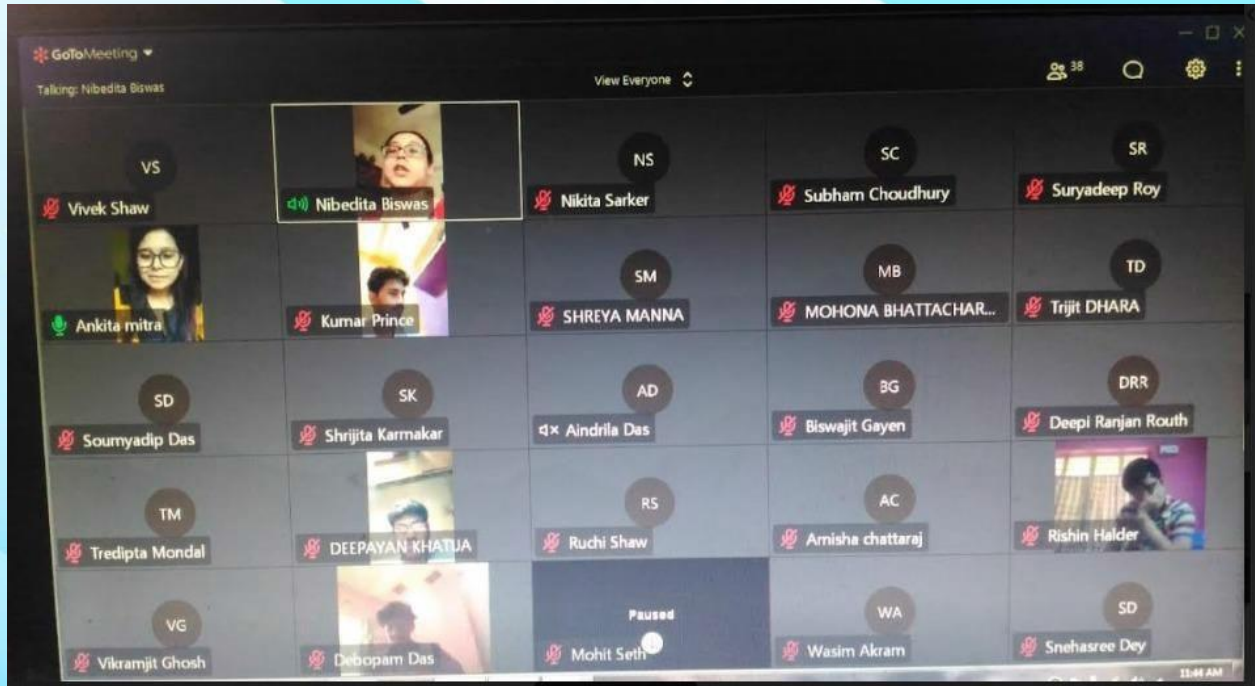
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Origami Making Competition by Art & Craft Club

Event Date: November 29, 2021

Venue: College Auditorium

Objectives: To emphasize the significance and beauty of origami as a traditional and intricate form of artistic expression.

The Art & Craft Club at Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (DSCSITSC) organized an enchanting "Origami Making Competition" on November 29, 2021, held at the prestigious College Auditorium in Room No. 418. This offline event celebrated the art of origami, providing a physical space for students to showcase their creativity and precision in paper folding.

Event Highlights:

- Diverse Participation:

  - The competition witnessed a robust response, with 45 students participating eagerly, showcasing the diversity of artistic talents within DSCSITSC.

- Variety of Origami Creations:

  - Participants presented a spectacular array of origami creations, ranging from traditional designs and animals to intricate geometric shapes and modern adaptations. The variety showcased the versatility of origami as an art form.

- Venue - Room No. 418 (College Auditorium):

  - The College Auditorium, Room No. 418, provided a grand and inspiring setting for the event, creating an atmosphere conducive to artistic expression.

- Live Judging Panel:

  - An esteemed panel of judges, comprising origami enthusiasts and faculty members, conducted live evaluations of the entries, assessing creativity, complexity, precision, and overall presentation.

- Community Interaction:

  - The offline setting facilitated active engagement as participants and spectators interacted, fostering a sense of community and collaboration among participants.

Outcome

  - The competition served as a canvas for participants to showcase their artistic brilliance, emphasizing their talent, dedication, and mastery of the intricate art of origami.

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Winner Name :Abhirup Ray, (1st Year, CE) Some

of Glimpse is attached.

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"Precise Folds: The Art of Origami" A competition by Art & Craft Club

Event Date: June 8, 2022

Venue: College Auditorium

Objectives: To encourage Artistic Expression Through Paper Folds

The Art & Craft Club at Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (DSCSITSC) orchestrated a captivating "Precise Folds: The Art of Origami" competition on June 8, 2022. Hosted in the esteemed College Auditorium at Room No. 418, this offline event aimed to celebrate the ancient art of origami, providing a physical space for students to showcase their precision and creativity through the delicate folds of paper.

Event Highlights:

- Diverse Participation:

    - The competition witnessed an impressive turnout, with 52 students participating eagerly, showcasing the diverse artistic talents within the college.

- Variety of Origami Creations:

    - Participants presented an array of origami creations, ranging from traditional designs to intricate geometric shapes and contemporary adaptations. The variety showcased the versatility of origami as an art form.

- Live Judging Panel:

    - An esteemed panel of judges, consisting of origami enthusiasts and faculty members, conducted live evaluations of the entries, considering precision, creativity, and overall presentation.

- Community Interaction:

    - The offline setting facilitated active engagement as participants and spectators interacted, fostering a sense of community and collaboration among participants.

Outcome:

1. Celebration of Precision in Origami:

    - The event successfully celebrated the precision and intricate craftsmanship inherent in the art of origami.

Winner Name: Sourav Kumar Sur (2nd Year,

CE) Glimpse of the event

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Photography Club

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Photography Club's "Nature from Your Balcony" Competition

Date: 22 November 2021

The Photography Club of Surtech recently organized an innovative competition titled "Nature from Your Balcony," encouraging students to capture the beauty of nature as seen from their own homes. The competition aimed to inspire students to explore and appreciate the natural world around them, even within the confines of their living spaces.

Students participated enthusiastically, submitting a variety of photos that showcased their unique perspectives of nature from their balconies. The photographs ranged from stunning sunsets and vibrant greenery to birds and other wildlife that frequent urban environments. Each submission reflected the students' creativity, attention to detail, and appreciation for the environment.

After careful consideration, a panel of judges selected the winning photograph based on criteria such as composition, creativity, and the ability to convey the beauty of nature in an everyday setting. The winning student was recognized for their exceptional talent in capturing a moment of natural beauty from their balcony.

The "Nature from Your Balcony" competition was a great success, providing students with an opportunity to connect with nature and showcase their photography skills. The event highlighted the importance of finding beauty in the world around us, even in the most familiar of places, and encouraged students to continue exploring their creative potential.

The winner of the competition is Ankit Patra EE 2nd year. The photo is attached herewith.
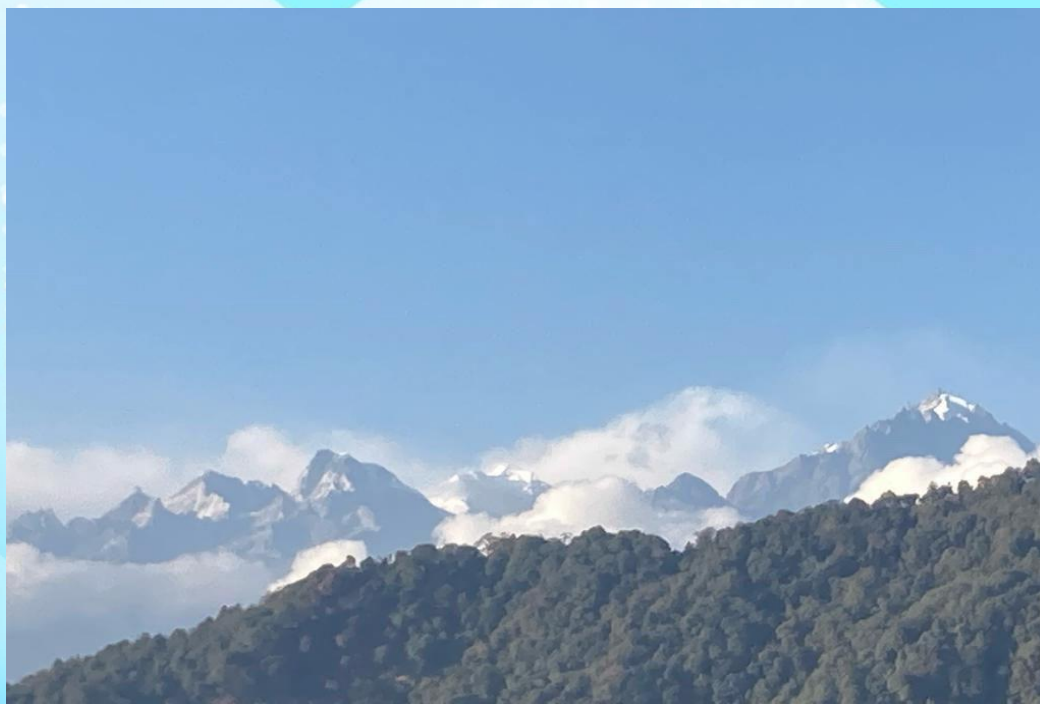
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Cultural Club

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Independence Day

Date: 15th August 2021Venue:

College Campus

Objective: The program aimed to raise awareness about the sacrifices made by freedom fighters for the freedom movement and independence from British rule.

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex celebrated Independence Day 2021, marking the end of British rule in 1947 and the establishment of a free Indian nation. The Principal, Dr. Saradindu Panda, inaugurated the event, hoisting the flag and delivering a speech about the day's significance to students, staff, and directors, heads, and AO. A few photographs of the event are attached herewith.

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Republic Day

Date: 26th January 2022.

Venue: College Campus

Objective: To raise awareness of the significance of the passage of the Indian Constitution.

Report: With great pleasure we would like to inform you that the students, faculties and staff members of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex celebrated Republic Day on 26th January, 10.00 AM onwards in the Hybrid Mode i.e. the flag unfurling took place in the Physical Mode whereas the students participated through the Virtual Mode.The celebration started with the Indian National Flag unfurling by our respected Principal Sir Prof. (Dr.) Saradindu Panda. Dr. Panda expressed the need to practice constitutional rights and to be aware of the same.After the flag unfurling, the cultural program started which was streamed in Facebook Live also. About 105 students, faculties and staff participated in the event through Online and Offline Mode. There were about 18 special performances by the students which were really _____ng sincerely from their heart. Some of the snapsh_____shots are attached herewith.

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Quiz and Debate Club

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Online Quiz Contest on the Films of Satyajit Ray

Date: 4th May 2022

Platform: Online

The Quiz Club of Surtech organized an online quiz contest focused on the iconic films of Satyajit Ray, one of India's most celebrated filmmakers on 4th May 2022. The event aimed to engage students with the rich legacy of Satyajit Ray's cinema, fostering an appreciation for his contributions to Indian and global cinema.

Participants from various departments joined the online quiz, demonstrating their knowledge of Ray's films, including classics such as "Pather Panchali," "Charulata," and "Shatranj Ke Khilari." The quiz covered a wide range of topics, from the themes and characters in Ray's movies to his unique filmmaking techniques and contributions to the world of cinema.

The competition was conducted in multiple rounds, with each round becoming progressively more challenging. Students showcased their enthusiasm and deep understanding of Satyajit Ray's work, making the contest both exciting and intellectually stimulating.

The event concluded with the announcement of the top scorers, who were recognized for their outstanding performance in the quiz. The winners were celebrated for their knowledge and passion for cinema, particularly the works of Satyajit Ray.

The online quiz contest was a successful initiative by the Quiz Club, bringing students together to explore and appreciate the cinematic genius of Satyajit Ray. The event not only tested the participants' knowledge but also deepened their understanding of the cultural and artistic significance of Ray's films.

Snapshot of the Event

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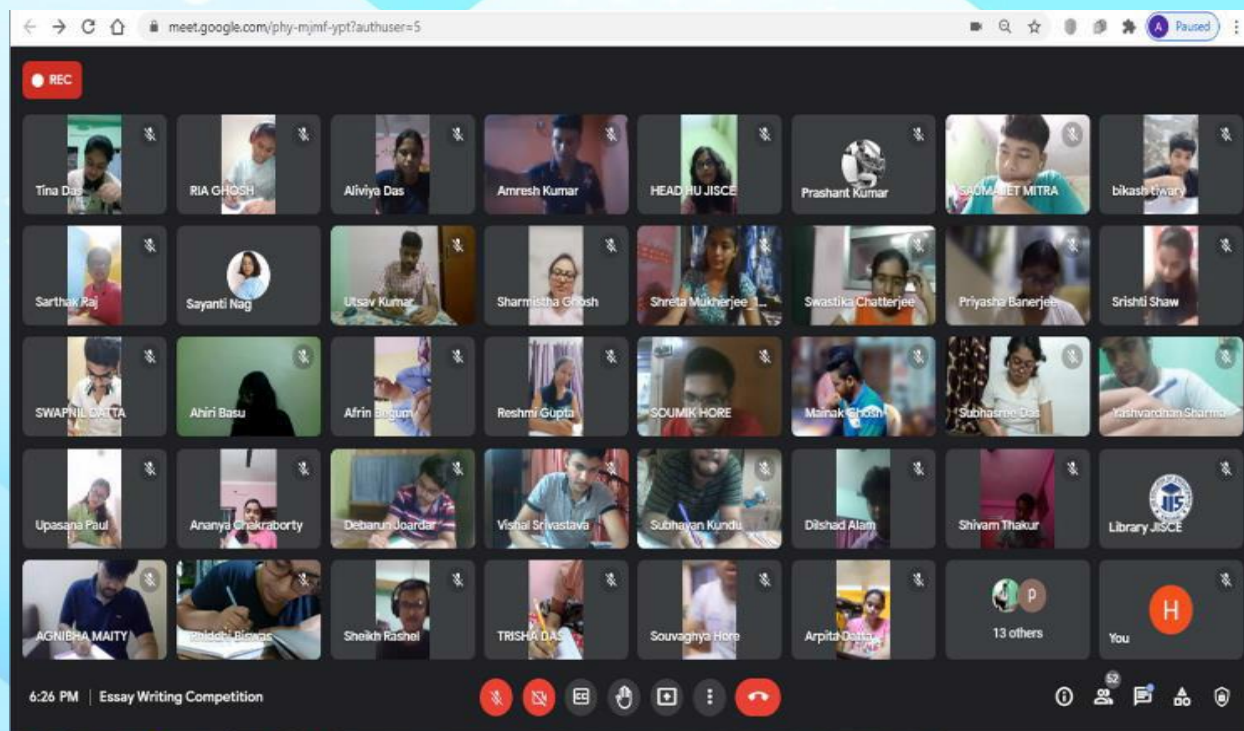
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Documentary and Drama Club

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Video Making Competition: Covid Awareness Program

Date: 24.11.2021

Time: 3.00P.M

Objective of the Event- To raise awareness among students of the covid 19 protocols and preventive measures.

The Documentary and Drama Club of Surtech has arranged a video making competitions among students irrespective of the departments. The event was held online. The theme of the video is the dissemination of information of covid 19 pandemic. Students from various departments participated in the event and displayed unparalleled talent in video making. One of these videos was selected as the best one. The student who stood first in the competition is Sajal Mondal from AUE department. His video was projected in the event.
The event ended with echoing notes of optimism and hope.

Glimpses of the event
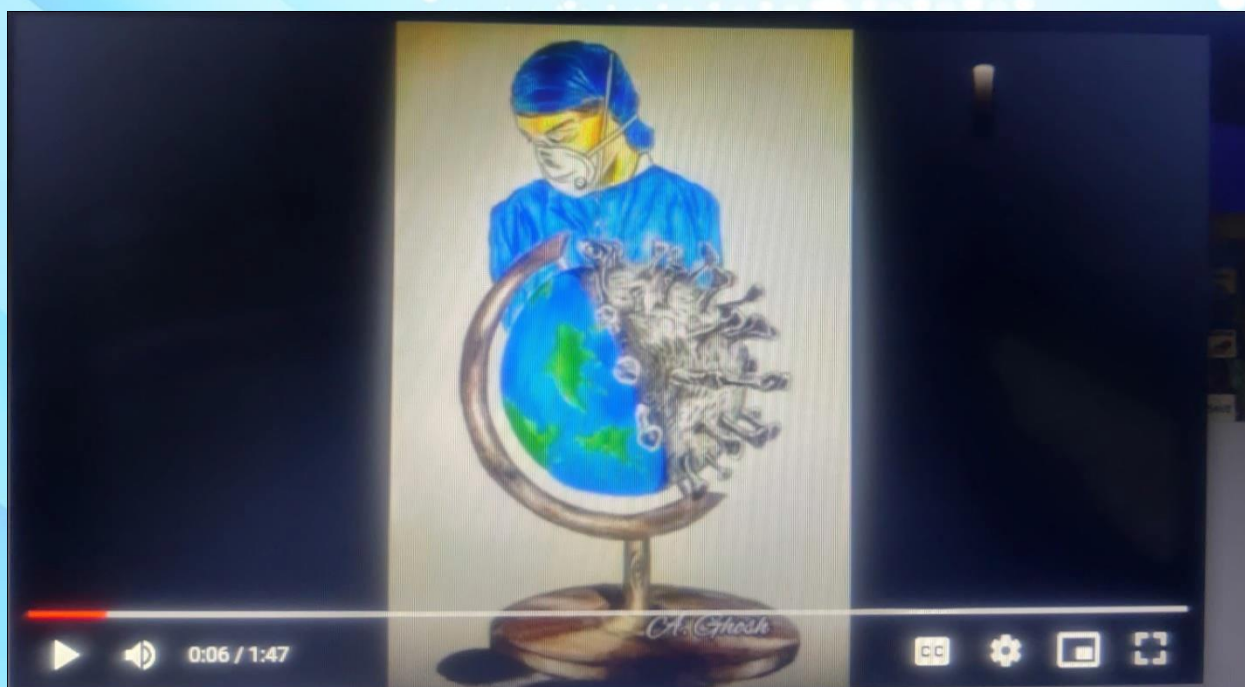
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Observance of the National Technology Day at the Cultural Fest

Date: 25.04.2022

Venue: Auditorium

Objective of the Event- To serve as a platform for raising awareness about the significance of technology in our daily lives and to encourage a more critical perspective on its role.

On 21.05.2022, the Documentary and Drama Club of our institute observed National Technology Day by presenting a captivating play at the annual Cultural Fest. The play was crafted and presented on 11.05.22 and it was appreciated by all the faculties. The same was selected as a coveted performance at the cultural fest.

The play, with technology as its central theme, not only entertained the audience but also conveyed a powerful message about the role of technology in our lives. The play was performed in front of a diverse audience, including students, teachers, and parents. The theme of the play, "Technology in Our Lives," was chosen to commemorate National Technology Day. The storyline revolved around the impact of technology on society, individuals, and relationships. The characters in the play showcased both the positive and negative aspects of technology, emphasizing its influence on communication, education, and daily life.

The Drama Club's presentation at the Cultural Fest in honor of National Technology Day was a significant and insightful event. By using the power of theater, the club effectively conveyed the message about technology's impact on our lives, leaving the audience with food for thought. This creative and innovative approach to celebrating National Technology Day should be commended for its ability to blend education, entertainment, and awareness.

Glimpses of the event

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Biosystem and Environment Engineering Club

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Seminar on Rainwater Harvesting

Date: March 21, 2022
Location: College Campus

Objective**:** To acquire better utilization of reuse of water

The Rainwater Harvesting Discussion aimed to educate and engage participants about the importance and implementation of rainwater harvesting systems. the Rainwater Harvesting Discussion achieved its objectives by enhancing participants' understanding of rainwater harvesting, encouraging its adoption, and facilitating the sharing of best practices. The event provided valuable educational content and fostered a sense of community around water conservation efforts.

Outcome

Participants gained a thorough understanding of rainwater harvesting systems, including their benefits for water conservation, cost savings, and environmental impact. The discussion provided practical information on designing and implementing rainwater harvesting systems, with a focus on local conditions and needs.

Glimpse of the Event

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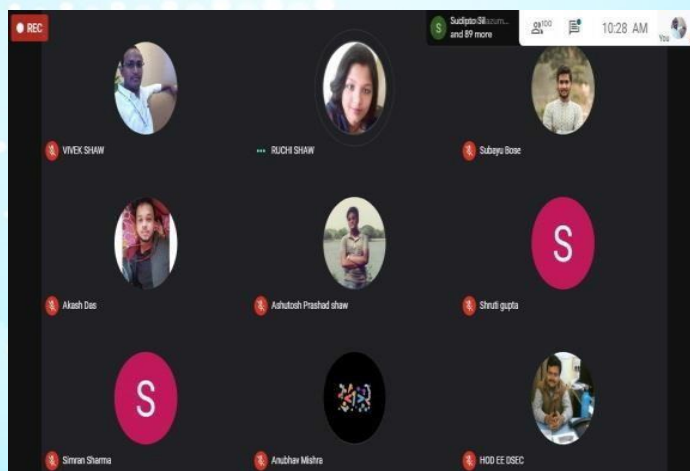Phone: +91 22 25603889, 25603898, 65330375

Community Connect (NSS) Club

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Date: 23.11.2021

Platform: Online

Objective: To aware our society about Covid protections

The Extra Curricular and NSS Committee members of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex had organized an online activity to aware our society about Covid protections once again at the time of unlocking. The purpose of the campaign was to remind people about good hygienic practices, physical distance maintaining habits, providing tips for safe food practices and other basic health tips. The need to remain alert, follow all health protocols and save them from getting infected is equally essential for our society while we are going through unlocking period.

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Literary Club

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Online Essay Competition

Date: 11.09.2021

Platform: Online

Objective: To foster critical thinking and creativity.

The Literary Club of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has organized an online activity on "Essay Competition" on 11th September 2021 to motivate the students and encourage them to boost up their creativity skills even at the face of pandemic. Students were asked to submit their drafts on the topic "Scenario of COVID-19 and POST COVID-19" upon which an interactive session was held by the teachers and the students at the event. The first half of the session was marked by the elaboration of the key points by the students regarding their essays. The participation of candidates in this activity has given it a big success and the program ended on a good note with a vote of thanks to all the coordinators of the event.

Glimpse of the event.

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Painting and Sketch Competition

Date: 21.04.2022

Platform: Online

Objective: to encourage students in extracurricular domain

The Literary Club of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has conducted "Painting and Sketch Competition" on 21st April 2022, with the students of all departments. Students were given full freedom to opt for themes of painting according to their choice. This decision was taken mainly for the 1st year students, to welcome them to take part in the club activities without any hesitation. The relaxation of theme setting for the activity has helped in receiving a god number of response from the 1st year students. As this was solely considered to be a fun- time activity to involve students at a large number in extracurricular domain, therefore certificates of appreciation were provided to all without any distinction of merit. The activity ended on a good note with flying colours of success.

Glimpse of the event.

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Yoga and Meditation Club

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One Day Yoga Camp

Date: February 15, 2022
Location: College Auditorium

Objective: To spread knowledge of the advantages of yoga, such as its effects on mental clarity, emotional stability, and physical health.

The whole world is trying to come out of the grip of Covid 19 Pandemic and trying to leave a normal happy life. In this transition time, from new normal to normal life we know Mental well-being is as important as physical well-being. After all, the mind can accomplish things we would physically not expect. The Yoga
and Meditation Club of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex in collaboration with Patanjali Yog Shivir arranged a One Day yoga Camp at College Campus on 15th February,2022. In the
camp, the students, faculty members and other members of SurTech along with our respected Director Sir and Principal Sir participated enthusiastically for wellness and meditation sessions, as well as an active yoga session, conducted by Patanjali Yog Shivir- Madam Kanchanji Jaiswal and Madam Manju ji.

The students were taught the right way to practice Yoga postures to ensure release of stress and toxins from the body and breathing exercises to ensure healthy respiratory systems and proper metabolism which are the main weapons against the deadly pandemic. After each meditative session, the benefits of meditation and how to meditate were taught. Similarly, after every asana, its benefits, its pros and cons were discussed in detail by the instructors.

The general awareness of yoga was raised as participants developed a deeper comprehension of the physical, mental, and psychological benefits of yoga.

Glimpse of the event.

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Sports Club

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Chess Tournament

Date: 01/09/2021 to 03/09/2021

Mode: Online

No of Participants: 32

Objective: To increase creativity, improve planning abilities and foster a competitive spirit

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has organized a Chess tournament starting from 01/09/2021 to 03/09/2021 via online mode. The event has been officially inaugurated by Hon'ble Principal Sir. The winner and the runner-up were honoured at the end of the chess tournament.

Outcome

Improve cognitive skills, planning, elevates creativity were the main aspects of this tournament.
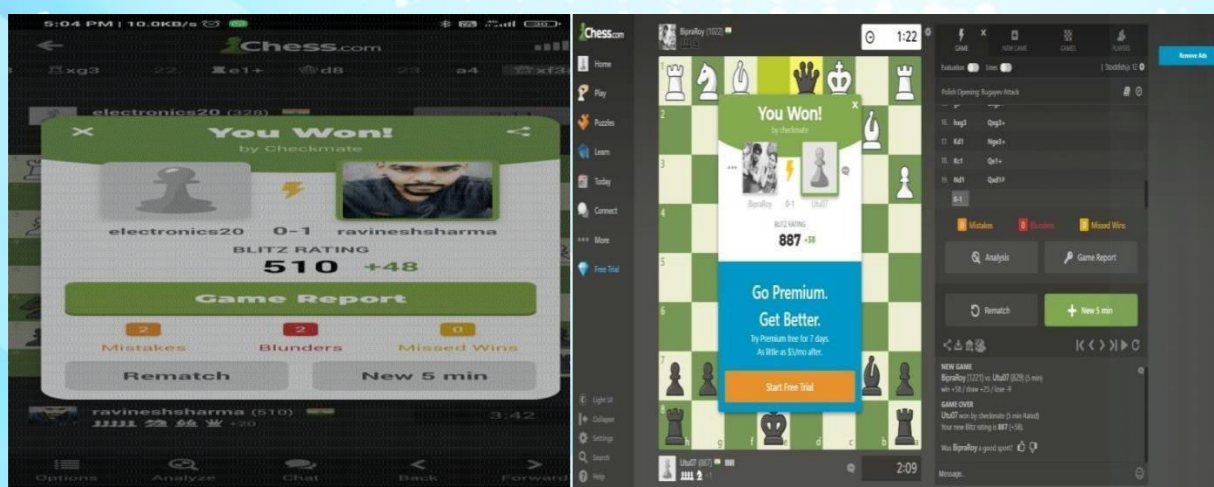
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Carrom Tournament

Date: 18/04/2022 to 20/04/2022

Venue: Common room

No of Participants: 80

Objective**:** To elevates creativity, better planning skills, competitive mindset

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has organized a Carrom tournament from 18/04/2022 to 20/04/2022. Hon'ble Principal Sir has inaugurated the tournament. At the end of the Carrom Tournament, the winner and the runner up were appreciated. Over the entire event ended up with a great happy and successful cherishing moments.

Outcome

Concentration, accuracy, creative ideas were the key highlights of this tournament.

Glimpse of the event

Institutional Organogram
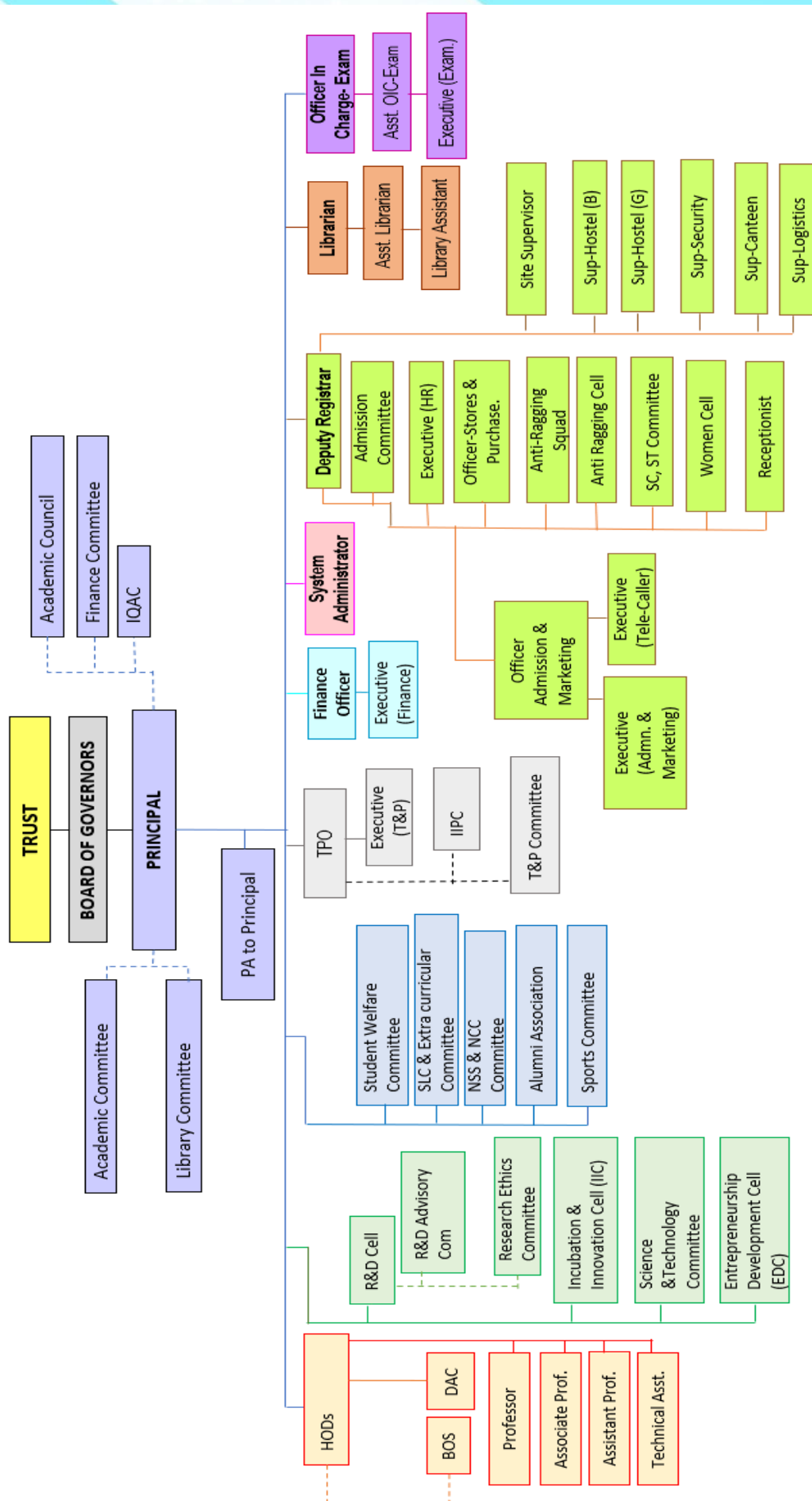
Administrative Heads

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

Ms. Dazy Rani
Assistant Registrar
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Mr. Vivek Shaw
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. Sujoy Saha	Professor	ME
2	Dr. Abhigyan Ganguly	Associate Professor	ECE
3	Dr. Dipankar Das	Professor	BSH
4	Dr. Mallika De	Professor	CSE
5	Dr. Sayantan Chakraborty	Associate Professor	EE
6	Dr. Prasun Dutta	Associate Professor	AUE
7	Dr. Sushovan Sarkar	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	55
B.Tech. Electrical Engineering	EE(016)	60	34
B.Tech. Civil Engineering	CE(013)	60	55
B.Tech. Mechanical Engineering	ME(007)	30	26
B.Tech. Automobile Engineering	AUE(032)	60	48
B.Tech. Robotics Engineering	Robotics(320)	30	7
B.Tech. Computer Science and Engineering (Lateral Entry)	CSE (Lateral Entry) 001	18	6
B.Tech. Electronics & Communication Engineering (Lateral Entry)	ECE (Lateral Entry) 003	6	5
B.Tech. Electrical Engineering (Lateral Entry)	EE (Lateral Entry) 016	6	7
B.Tech. Civil Engineering (Lateral Entry)	CE (Lateral Entry) 013	6	4
B.Tech. Mechanical Engineering (Lateral Entry)	ME (Lateral Entry) 007	3	5
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	11
M.Tech. Communication Engineering	M.Tech. ECE(705)	9	5

Scholarship

SCHOLARSHIP SCHEME 2021-22 (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.2,22,600 for 2021 -22) 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 2021-22) 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 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 2021-22) is applicable for the 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 2021-22)

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.
- **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

Sectorwise Placement 2022

AUTOMOBILE
1%

RECRUITERS
2%

EDUCATION
3%

OTHERS
4%

TELECOM
1%

CORE
30%

IT/SOFTWARE
59%
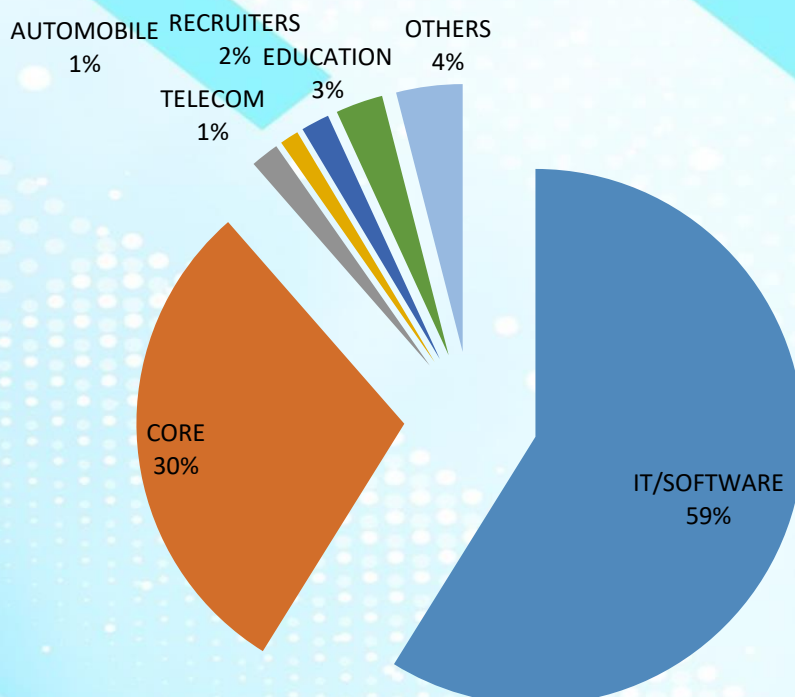
Placement Status 2022
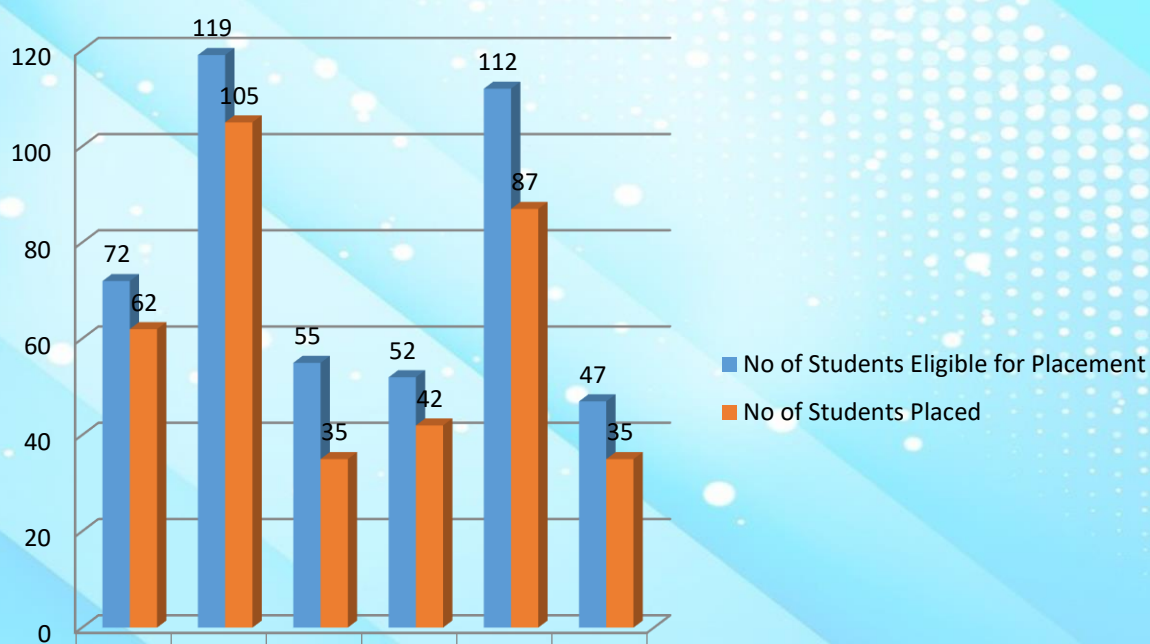
	CSE	ECE	CE	EE	ME	AUE
No of Students Eligible for Placement	72	119	55	52	112	47
No of Students Placed	62	105	35	42	87	35

Legend:
- No of Students Eligible for Placement
- No of Students Placed

ANNUAL REPORT 2021-22

Training & Placement

Details of placement of outgoing students during AY 2021-22

Sl. No.	Name of student placed	Stream	Year of graduation	Name of the employer	Pay package at appointment (in Lakhs)
1	Abhishek Pathak	AUE(BTECH)	2022	Ola Car	3.99
2	Afridi Ahmed	AUE(BTECH)	2022	AIS Glass India	2.40
3	Ankan Mandal	AUE(BTECH)	2022	Byjus	5.00
4	Aritra Chakraborty	AUE(BTECH)	2022	AIS Glass India	2.40
5	Arnab Das	AUE(BTECH)	2022	Ola Car	3.99
6	Ayushman Patra	AUE(BTECH)	2022	Bajaj Auto	1.38
7	Bijoy Kumar Sarkar	AUE(BTECH)	2022	Tata Aig	2.40
8	Biswarup Biswas	AUE(BTECH)	2022	Ola Car	3.99
9	Debjit Bhattacharjee	AUE(BTECH)	2022	Tata Aig	2.40
10	Debjyoti Dutta	AUE(BTECH)	2022	Byjus	5.00
11	Geet Mukherjee	AUE(BTECH)	2022	TCS	3.37
12	Jyoti Begum	AUE(BTECH)	2022	Tata Aig	2.40
13	Mithun Mazumder	AUE(BTECH)	2022	Ola Car	3.99
14	Pratim Bandyopadhyay	AUE(BTECH)	2022	Bajaj Auto	1.38
15	Raja Talukdar	AUE(BTECH)	2022	AIS Glass India	2.40
16	Ranjanaditya Roy	AUE(BTECH)	2022	Ola Car	3.99
17	Ripom Banerjee	AUE(BTECH)	2022	Bajaj Auto	1.38
18	Rishav Shaw	AUE(BTECH)	2022	Byjus	5.00
19	Ritwika Sen	AUE(BTECH)	2022	Piaggio Vehicle	1.80
20	Rohan Dey	AUE(BTECH)	2022	Tata Aig	2.40
21	Rounak Singh	AUE(BTECH)	2022	Bajaj Auto	1.38
22	Roushan Kumar	AUE(BTECH)	2022	Bajaj Auto	1.38

Training & Placement

23	Sabyasachi Das	AUE(BTECH)	2022	Auto Hi Tech	1.80
24	Samprita Chatterjee	AUE(BTECH)	2022	ANG India	2.16
25	Sarthak Kumar Kar	AUE(BTECH)	2022	Bajaj Auto	1.38
26	Saurav Drolia	AUE(BTECH)	2022	Ola Car	3.99
27	Soham Gangopadhyay	AUE(BTECH)	2022	Chegg India	4.50
28	Somenath Ghosh	AUE(BTECH)	2022	Tata Aig	2.40
29	Soumya De	AUE(BTECH)	2022	Tata Aig	2.40
30	Soumya Samanta	AUE(BTECH)	2022	Vedantu	3.30
31	Sourav Dhali	AUE(BTECH)	2022	Byjus	5.00
32	Subhadeep Nayek	AUE(BTECH)	2022	AIS Glass India	2.40
33	Subhadip Sarkar	AUE(BTECH)	2022	Rivigo	3.00
34	Sumit Sinha	AUE(BTECH)	2022	Byjus	5.00
35	Tathagata Das	AUE(BTECH)	2022	Bajaj Auto	1.38
36	Aagni Majumder	CE(BTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
37	Abhinash Rai	CE(BTECH)	2022	L&T Construction	4.34
38	Arnab Chanda	CE(BTECH)	2022	KEC INTERNATIONAL	3.35
39	Bipra Roy	CE(BTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
40	Debjeet Manna	CE(BTECH)	2022	True Scale Engineering	1.80
41	Dipa Das	CE(BTECH)	2022	Kodnest	2.40
42	Geetashree Paul	CE(BTECH)	2022	Vedantu	3.30
43	Krishnendu Das	CE(BTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
44	Madhabi Sarkar	CE(BTECH)	2022	Apar Devlopment & Technical Pvt. Ltd.	2.68
45	Md Wasim	CE(BTECH)	2022	ACC Ltd.	3.12
46	Moumita Das	CE(BTECH)	2022	Kodnest	2.40
47	Pliza Lala	CE(BTECH)	2022	TCS	3.37
48	Prantik Ghosh	CE(BTECH)	2022	Kodnest	2.40
49	Prasmeet Das	CE(BTECH)	2022	Kodnest	2.40
50	Pritam Das	CE(BTECH)	2022	Artech Infosystem	4.68
51	Pritam Deb	CE(BTECH)	2022	KEC INTERNATIONAL	3.35
52	Priyatosh Ghosh	CE(BTECH)	2022	ACC Ltd.	3.12
53	Rajat Datta	CE(BTECH)	2022	True Scale Engineering	1.80
54	Rajjak Ahmed	CE(BTECH)	2022	Tanvi Construction & Co	2.40

Training & Placement

55	Rohan Kumar Shaw	CE(BTECH)	2022	Tanvi Construction & Co	2.40
56	Ronit Chanda	CE(BTECH)	2022	ACC Ltd.	3.12
57	Rupam Das	CE(BTECH)	2022	Chegg India	4.50
58	Rupam Ghosh	CE(BTECH)	2022	Artech Infosystem	4.68
59	Sagnik Mazumdar	CE(BTECH)	2022	Artech Infosystem	4.68
60	Sampurna Dey	CE(BTECH)	2022	Chegg India	4.50
61	Sandipan Dey	CE(BTECH)	2022	Pinnacle Infotech	2.16
62	Sanjana Gangopadhyay	CE(BTECH)	2022	True Scale Engineering	1.80
63	Sanjana Singh	CE(BTECH)	2022	Byjus	5.00
64	Saptarshi Das	CE(BTECH)	2022	Apar Devlopment & Technical Pvt. Ltd.	2.68
65	Shantanu Laskar	CE(BTECH)	2022	Tanvi Construction & Co	2.40
66	Shubha Saha	CE(BTECH)	2022	KEC INTERNATIONAL	3.35
67	Sreedipa Bhowmick	CE(BTECH)	2022	TCS	3.37
68	Sreejeet Ghosh	CE(BTECH)	2022	Chegg India	4.50
69	Subrajit Das	CE(BTECH)	2022	Pinnacle Infotech	2.16
70	Sumana Das	CE(BTECH)	2022	Byjus	5.00
71	Abhijit Lahiri	CSE(BTECH)	2022	Accenture	4.50
72	Akash Barman	CSE(BTECH)	2022	TCS	3.37
73	Akash Singh	CSE(BTECH)	2022	Harman Kardon	5.00
74	Ananya Mukherjee	CSE(BTECH)	2022	Embee Software	2.24
75	Anirban Dey	CSE(BTECH)	2022	Tech Mahindra	3.25
76	Ankit Saha	CSE(BTECH)	2022	Capgemini	4.25
77	Anuja Singh	CSE(BTECH)	2022	TCS	3.37
78	Arbaz Ahmed Khan	CSE(BTECH)	2022	Harman Kardon	5.00
79	Arghadeep Dey	CSE(BTECH)	2022	Accenture	4.50
80	Aritra Adhikary	CSE(BTECH)	2022	TCS	3.37
81	Aswini Kumar Sahoo	CSE(BTECH)	2022	Accenture	4.50
82	Avishek Chakrabarty	CSE(BTECH)	2022	Wipro Technology	3.50
83	Bhargab Bhattacharjee	CSE(BTECH)	2022	Wipro Technology	3.50
84	Biswadip Chakraborty	CSE(BTECH)	2022	Optum	5.16
85	Chandrima Roy	CSE(BTECH)	2022	Tech Mahindra	3.25
86	Debagni Brahma	CSE(BTECH)	2022	Optum	5.16
87	Debalina Dutta	CSE(BTECH)	2022	Harman Kardon	5.00
88	Debanjan Roy	CSE(BTECH)	2022	Capgemini	4.25
89	Debarghya Deb	CSE(BTECH)	2022	Persistent	4.71
90	Debleena Sen	CSE(BTECH)	2022	TCS	3.37
91	Deeptiman Sarkar	CSE(BTECH)	2022	Coders Data	1.80
92	Dipankar Guha	CSE(BTECH)	2022	Tech Mahindra	3.25
93	Dipika Pal	CSE(BTECH)	2022	Labvantage	4.50
94	Indronil Chatterjee	CSE(BTECH)	2022	TCS	3.37
95	Jay Prakash De	CSE(BTECH)	2022	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
96	Jayee Bhattacharjee	CSE(BTECH)	2022	TCS	3.37
97	Kaushik Didwania	CSE(BTECH)	2022	Persistent	4.71
98	Kaustav Sharma	CSE(BTECH)	2022	Force Bolt	4.20
99	Kishor Yadav	CSE(BTECH)	2022	Optum	5.16

Training & Placement

100	Madhurima Chowdhury	CSE(BTECH)	2022	Wipro Technology	3.50
101	Md. Shafi Hussain	CSE(BTECH)	2022	Persistent	4.71
102	Milan Pal	CSE(BTECH)	2022	Optum	5.16
103	Niladri Ash	CSE(BTECH)	2022	Optum	5.16
104	Oishika Sarkar	CSE(BTECH)	2022	Wipro Technology	3.50
105	Payal Jaiswal	CSE(BTECH)	2022	Accolite Digital	5.00
106	Pradipto Chakraborty	CSE(BTECH)	2022	Mindtree	4.00
107	Pratibhu Deb	CSE(BTECH)	2022	Wipro Technology	3.50
108	Prerona Malakar	CSE(BTECH)	2022	Persistent	4.71
109	Raihan Mustafiz	CSE(BTECH)	2022	Labvantage	4.50
110	Rana Barman	CSE(BTECH)	2022	NTT India	2.40
111	Ripan Sen	CSE(BTECH)	2022	Force Bolt	4.20
112	Rishabh Raj Gupta	CSE(BTECH)	2022	Capgemini	4.25
113	Ritika Verma	CSE(BTECH)	2022	Accenture	4.50
114	Ritwik Bose	CSE(BTECH)	2022	Force Bolt	4.20
115	Sagar Dutta	CSE(BTECH)	2022	Capgemini	4.25
116	Sangya Dutta	CSE(BTECH)	2022	Ericsson	4.16
117	Sanjay Kumar Chai	CSE(BTECH)	2022	Ericsson	4.16
118	Sankhasubhra De	CSE(BTECH)	2022	Ericsson	4.16
119	Sayan Dirghangi	CSE(BTECH)	2022	Wipro Technology	3.50
120	Sayantap Nath	CSE(BTECH)	2022	Amazon	9.50
121	Shilajit Roy	CSE(BTECH)	2022	Quality Kiosk Technology	3.50
122	Shivam Roy	CSE(BTECH)	2022	Wipro Technology	3.50
123	Shouvik Misra	CSE(BTECH)	2022	NTT India	2.40
124	Shubhonkar Saha	CSE(BTECH)	2022	Wipro Technology	3.50
125	Sneha Chakraborty	CSE(BTECH)	2022	Coders Data	1.80
126	Soham Banerjee	CSE(BTECH)	2022	Capgemini	4.25
127	Soumyadeb Mitra	CSE(BTECH)	2022	Accenture	4.50
128	Sourav Dasgupta	CSE(BTECH)	2022	Coders Data	1.80
129	Subarna Kirtaniya	CSE(BTECH)	2022	Wipro Technology	3.50
130	Subhadip Saha	CSE(BTECH)	2022	Wipro Technology	3.50
131	Susruta Bagchi	CSE(BTECH)	2022	Mantra Labs	4.00
132	Swarnali Roy	CSE(BTECH)	2022	NTT India	2.40
133	Tithi Paul	CSE(BTECH)	2022	Wipro Technology	3.50
134	Tuhin Biswas	CSE(BTECH)	2022	Wipro Technology	3.50
135	Vishal Mishar	CSE(BTECH)	2022	Wipro Technology	3.50
136	Sujoy Dey	ECE(BTECH)	2022	Embee Software	2.24
137	Aaishyara Ganguly	ECE(BTECH)	2022	IBM	4.25
138	Abhishek Kumar Srivastava	ECE(BTECH)	2022	TCS	3.37
139	Abir Kapat	ECE(BTECH)	2022	Capgemini	4.25
140	Aditi Bhattacharya	ECE(BTECH)	2022	Infosys	3.60
141	Akash Dey	ECE(BTECH)	2022	Harman Kardon	5.00
142	Ankan Ghosh	ECE(BTECH)	2022	Mantra Labs	4.00
143	Ankit Samanta	ECE(BTECH)	2022	LabVantage	4.50
144	Ankita Dey	ECE(BTECH)	2022	LabVantage	4.50

Training & Placement

145	Ankush Sharma	ECE(BTECH)	2022	Tech Mahindra	3.25
146	Arijit Talukdar	ECE(BTECH)	2022	LabVantage	4.50
147	Arnab Das	ECE(BTECH)	2022	Infosys	3.60
148	Arsh Anwar	ECE(BTECH)	2022	Coders Data	1.80
149	Ashutosh Prashad Shaw	ECE(BTECH)	2022	Ericsson	4.16
150	Avisek Jana	ECE(BTECH)	2022	Harman Kardon	5.00
151	Ayush Singh	ECE(BTECH)	2022	Mindtree	4.00
152	Baisakhi Das	ECE(BTECH)	2022	Wipro Technology	3.50
153	Birendrabir Bal	ECE(BTECH)	2022	Harman Kardon	5.00
154	Chayantan Bhattacharyya	ECE(BTECH)	2022	Capgemini	4.25
155	Chiranjit Das	ECE(BTECH)	2022	Mantra Labs	4.00
156	Daniyal Khan	ECE(BTECH)	2022	Accenture	4.50
157	Dipayan Deb	ECE(BTECH)	2022	Capgemini	7.50
158	Dona Acharya	ECE(BTECH)	2022	Wipro Technology	3.50
159	Hemant Tiwary	ECE(BTECH)	2022	Mantra Labs	4.00
160	Hirun Mukherjee	ECE(BTECH)	2022	TCS	3.37
161	Juber Ali	ECE(BTECH)	2022	NTT India	2.40
162	Kazi Nasiruddin	ECE(BTECH)	2022	Capgemini	4.25
163	Khushboo Kumari	ECE(BTECH)	2022	NTT India	2.40
164	Koushik Rajak	ECE(BTECH)	2022	Harman Kardon	5.00
165	Koustav Dhara	ECE(BTECH)	2022	JSW	5.50
166	Kumar Manish	ECE(BTECH)	2022	Embee Software	2.24
167	Kumari Richa	ECE(BTECH)	2022	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
168	Manish Parbat	ECE(BTECH)	2022	Capgemini	4.25
169	Md Belal	ECE(BTECH)	2022	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
170	Md Shahid Afridi	ECE(BTECH)	2022	Mindtree	4.00
171	Md Yusuf	ECE(BTECH)	2022	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
172	Md Zaid	ECE(BTECH)	2022	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
173	Merina Acharjee	ECE(BTECH)	2022	Wipro Technology	3.50
174	Mohit Kumar Oraon	ECE(BTECH)	2022	LabVantage	4.50
175	Mrittika Ghosh	ECE(BTECH)	2022	Accenture	4.50
176	Pankaj Kumar Mandal	ECE(BTECH)	2022	Greenwave Solution	3.52
177	Partha Saha	ECE(BTECH)	2022	Tech Mahindra	3.25
178	Pawan Kumar	ECE(BTECH)	2022	TCS	3.37
179	Payel Shaw	ECE(BTECH)	2022	Tech Mahindra	3.25
180	Pitamber Sarkar	ECE(BTECH)	2022	Accenture	4.50
181	Priya Gopal Banerjee	ECE(BTECH)	2022	Wipro Technology	3.50
182	Priyam Chakraborty	ECE(BTECH)	2022	Greenwave Solution	3.52
183	Rahul Ghosh	ECE(BTECH)	2022	LabVantage	4.50
184	Rahul Gupta	ECE(BTECH)	2022	Artech Infosystem	4.68
185	Rahul Kumar Shukla	ECE(BTECH)	2022	Mindtree	4.00
186	Raja Purkait	ECE(BTECH)	2022	NTT India	2.40

Training & Placement

187	Rajeev Ranjan	ECE(BTECH)	2022	Accenture	4.50
188	Rajib Chakraborty	ECE(BTECH)	2022	Embee Software	2.24
189	Ribhu Debnath	ECE(BTECH)	2022	Wipro Technology	3.50
190	Rikta Pal	ECE(BTECH)	2022	TCS	3.37
191	Rohit Deb	ECE(BTECH)	2022	TCS	3.37
192	Rupak Roy	ECE(BTECH)	2022	TCS	3.37
193	Rupsha Das	ECE(BTECH)	2022	Embee Software	2.24
194	Saikat Nandy	ECE(BTECH)	2022	Mindtree	4.00
195	Sambit Prasad	ECE(BTECH)	2022	Accenture	4.50
196	Samir Kamal	ECE(BTECH)	2022	Embee Software	2.24
197	Sampriti Ghosh	ECE(BTECH)	2022	NTT India	2.40
198	Sangita Sinha	ECE(BTECH)	2022	Coders Data	1.80
199	Sanhita Roy	ECE(BTECH)	2022	TCS	3.37
200	Sayak Chakraborty	ECE(BTECH)	2022	Wipro Technology	3.50
201	Sayak Patra	ECE(BTECH)	2022	TCS	3.37
202	Sayani Chakraborty	ECE(BTECH)	2022	Mindtree	4.00
203	Sayantan Das	ECE(BTECH)	2022	Coders Data	1.80
204	Sayantani Rakshit	ECE(BTECH)	2022	UST BLUECONCH	4.50
205	Sayantika Singha Roy	ECE(BTECH)	2022	Byjus	5.00
206	Sharmistha Kamat	ECE(BTECH)	2022	Coders Data	1.80
207	Shrestha Das	ECE(BTECH)	2022	Byjus	5.00
208	Shubham Sharma	ECE(BTECH)	2022	Byjus	5.00
209	Shubhankar Ghosh	ECE(BTECH)	2022	Optum	5.16
210	Simran Kumari	ECE(BTECH)	2022	Coders Data	1.80
211	Sneha Banik	ECE(BTECH)	2022	ITC Infotech	4.25
212	Sneharghya Sil	ECE(BTECH)	2022	Hexaware	4.00
213	Snehasish Saha	ECE(BTECH)	2022	Mantra Labs	4.00
214	Soham Chakraborty	ECE(BTECH)	2022	Coders Data	1.80
215	Soham Kundu	ECE(BTECH)	2022	Optum	5.16
216	Soumyadeep Mandal	ECE(BTECH)	2022	Mantra Labs	4.00
217	Soumyajit Raha	ECE(BTECH)	2022	Quality Kiosk Technology	3.50
218	Soumyasekhar Dwibedi	ECE(BTECH)	2022	Wipro Technology	3.50
219	Sourav Ghosh	ECE(BTECH)	2022	NTT India	2.40
220	Souvik Dawn	ECE(BTECH)	2022	Wipro Technology	3.50
221	Subham Banerjee	ECE(BTECH)	2022	Optum	5.16
222	Subhanwita Mullick	ECE(BTECH)	2022	Accenture	4.50
223	Subhrajit Chakraborty	ECE(BTECH)	2022	Optum	5.16
224	Sudip Chatterjee	ECE(BTECH)	2022	Harman Kardon	5.00
225	Sukana Ghosh	ECE(BTECH)	2022	UST BLUECONCh	4.50
226	Suman Kundu	ECE(BTECH)	2022	SmartBrains Engineers & Technology Pvt. Ltd.	2.20
227	Supriyo Chowdhury	ECE(BTECH)	2022	Mindtree	4.00
228	Suvojit Mitra	ECE(BTECH)	2022	TCS	3.37
229	Swagata Das	ECE(BTECH)	2022	Capgemini	4.25
230	Swarnendu Ghosh	ECE(BTECH)	2022	LabVantage	4.50
231	Swastika Kundu	ECE(BTECH)	2022	Harman Kardon	5.00

Training & Placement

232	Tamal Saha	ECE(BTECH)	2022	Hexaware	4.00
233	Tanima Bhadra	ECE(BTECH)	2022	Infosys	3.60
234	Trijit Paul	ECE(BTECH)	2022	Optum	5.16
235	Vaibhaw Sinha	ECE(BTECH)	2022	NTT India	2.40
236	Ankita Das	ECE(MTECH)	2022	Optum	5.16
237	Anwesha Manna	ECE(MTECH)	2022	Schneider Electric	4.75
238	Prabal Ghorai	ECE(MTECH)	2022	Mindtree	4.00
239	Ritasree Mondal	ECE(MTECH)	2022	Optum	5.16
240	Sayan Mukherjee	ECE(MTECH)	2022	Schneider Electric	4.75
241	Alankita Acharjee	EE(BTECH)	2022	KEC INTERNATIONAL	3.35
242	Amit Sharma	EE(BTECH)	2022	Ericsson	4.16
243	Ankan Mukherjee	EE(BTECH)	2022	Harman Kardon	5.00
244	Anubhab Chatterjee	EE(BTECH)	2022	TCS	3.37
245	Anupan Hazra	EE(BTECH)	2022	Coders Data	1.80
246	Arindam Naskar	EE(BTECH)	2022	Capgemini	4.25
247	Arkaprava Ghosh	EE(BTECH)	2022	JSW	5.50
248	Arup Karmakar	EE(BTECH)	2022	Coders Data	1.80
249	Arup Kumar Sil	EE(BTECH)	2022	KEC INTERNATIONAL	3.35
250	Bapan Debnath	EE(BTECH)	2022	Pinnacle Infotech	2.16
251	Bhanu Pratap Prasad	EE(BTECH)	2022	KEC INTERNATIONAL	3.35
252	Chayan Dey	EE(BTECH)	2022	Coders Data	1.80
253	Debolina Chakraborty	EE(BTECH)	2022	Capgemini	4.25
254	Moulik Biswas	EE(BTECH)	2022	Byjus	5.00
255	Nilanjan Hatua	EE(BTECH)	2022	Harman Kardon	5.00
256	Prativa Biswas	EE(BTECH)	2022	Byjus	5.00
257	Rakesh Pati	EE(BTECH)	2022	Quality Kiosk Technology	3.50
258	Rittik Bose	EE(BTECH)	2022	Coders Data	1.80
259	Rohit Mahato	EE(BTECH)	2022	Capgemini	4.25
260	Ryon Bhattacharya	EE(BTECH)	2022	KEC INTERNATIONAL	3.35
261	Sahid Parvez	EE(BTECH)	2022	Ericsson	4.16
262	Santosh Mandal	EE(BTECH)	2022	Pinnacle Infotech	2.16
263	Shamsher Alam	EE(BTECH)	2022	Capgemini	4.25
264	Siladitya Sanyal	EE(BTECH)	2022	Harman Kardon	5.00
265	Somjit Saha	EE(BTECH)	2022	TCS	3.37
266	Somnath Das	EE(BTECH)	2022	Accenture	4.50
267	Soumen Dey	EE(BTECH)	2022	Pinnacle Infotech	2.16
268	Soumik Chatterjee	EE(BTECH)	2022	Harman Kardon	5.00
269	Soumitra Roy	EE(BTECH)	2022	Quality Kiosk Technology	3.50
270	Soumyak Biswas	EE(BTECH)	2022	ITC Infotech	4.25
271	Sourav Choudhury	EE(BTECH)	2022	Greenwave Solution	3.52
272	Sourav Dikshit	EE(BTECH)	2022	Byjus	5.00

Training & Placement

273	Sovan Sarkar	EE(BTECH)	2022	TCS	3.37
274	Sreetama Banerjee	EE(BTECH)	2022	Capgemini	4.25
275	Sudipto Mondal	EE(BTECH)	2022	Greenwave Solution	3.52
276	Sumon Kumar Addya	EE(BTECH)	2022	Wipro Technology	3.50
277	Susmit Sarkar	EE(BTECH)	2022	Chegg India	4.50
278	Suvendu Chakrabartty	EE(BTECH)	2022	Chegg India	4.50
279	Suvra Nandi	EE(BTECH)	2022	Greenwave Solution	3.52
280	Tanmoy Saha	EE(BTECH)	2022	Wipro Technology	3.50
281	Tathagata Bose	EE(BTECH)	2022	Wipro Technology	3.50
282	Urmimala Chatterjee	EE(BTECH)	2022	Wipro Technology	3.50
283	Manab Saha	ME(BTECH)	2022	Rajsriya Automotive	2.40
284	Manish Kumar Jha	ME(BTECH)	2022	Pinnacle Infotech	2.40
285	Adnan Aftab	ME(BTECH)	2022	Byjus	5.00
286	Arnab Deb	ME(BTECH)	2022	Rajsriya Automotive	2.40
287	Arpan Hazra	ME(BTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
288	Asif Reja	ME(BTECH)	2022	AB Polypacks	3.00
289	Aveek Kumar Pramanick	ME(BTECH)	2022	Rajsriya Automotive	2.40
290	Bibek Raj Saha	ME(BTECH)	2022	KEC INTERNATIONAL	3.35
291	Bleentawn Kundu	ME(BTECH)	2022	Vedantu	3.30
292	Debarshi Kundu	ME(BTECH)	2022	Rajsriya Automotive	2.40
293	Debdip Maitra	ME(BTECH)	2022	Medtronics	3.60
294	Deepam Nayak	ME(BTECH)	2022	Rivigo	3.00
295	Gurjeet Singh Sandhu	ME(BTECH)	2022	Rajsriya Automotive	2.40
296	Kameshwar Kumar Thakur	ME(BTECH)	2022	AB Polypacks	3.00
297	Kaushik Das	ME(BTECH)	2022	TCS	3.37
298	Koushik Laha	ME(BTECH)	2022	Vedantu	3.30
299	Kumarkrishna Mondal	ME(BTECH)	2022	Byjus	5.00
300	Maharshi Bhattacharjee	ME(BTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
301	Mayank Mondal	ME(BTECH)	2022	Debson Pump	2.40
302	Mirza Arjmand Jeelani Baig	ME(BTECH)	2022	Rajsriya Automotive	2.40
303	Mohit Ojha	ME(BTECH)	2022	Rajsriya Automotive	2.40
304	Nanda Kishor Maity	ME(BTECH)	2022	Rivigo	3.00
305	Nitesh Ghosh	ME(BTECH)	2022	VV Autotest	4.20
306	Palash Ghosh	ME(BTECH)	2022	TCS	3.37
307	Pawan Kr Choudhary	ME(BTECH)	2022	AO Smith	3.07
308	Pintu Kumar Tiwari	ME(BTECH)	2022	Debson Pump	2.40
309	Pritam Biswas	ME(BTECH)	2022	Medtronics	3.60
310	Rahul Raj	ME(BTECH)	2022	Rivigo	3.00
311	Rajesh Biswas	ME(BTECH)	2022	Medtronics	3.60
312	Saikat Biswas	ME(BTECH)	2022	Vedantu	3.30
313	Sandeep Roy	ME(BTECH)	2022	Debson Pump	2.40
314	Satya Prakash Singh	ME(BTECH)	2022	Coders Data	1.80
315	Satyajit Bera	ME(BTECH)	2022	Pinnacle Infotech	2.40

Training & Placement

316	Sayantan Banerjee	ME(BTECH)	2022	JSW	5.50
317	Sayantan Gayen	ME(BTECH)	2022	TCS	3.37
318	Sherlock Sinha Chaudhuri	ME(BTECH)	2022	Pinnacle Infotech	2.40
319	Shubhajit Kulavi	ME(BTECH)	2022	Debson Pump	2.40
320	Shubham Mondal	ME(BTECH)	2022	AB Polypacks	3.00
321	Shujauddin Azmat	ME(BTECH)	2022	Vedantu	3.30
322	Sk Arif Mahammad	ME(BTECH)	2022	Coders Data	1.80
323	Sk Kamal Azad	ME(BTECH)	2022	JSW	5.50
324	Soham De	ME(BTECH)	2022	Chegg India	4.50
325	Soudip Ghosh	ME(BTECH)	2022	Coders Data	1.80
326	Soumyodeep Datta	ME(BTECH)	2022	KEC INTERNATIONAL	3.35
327	Sourav Bose	ME(BTECH)	2022	AB Polypacks	3.00
328	Sourav Chakraborty	ME(BTECH)	2022	Rajsriya Automotive	2.40
329	Souvik Chattopadhyay	ME(BTECH)	2022	Chegg India	4.50
330	Subhadip Dey	ME(BTECH)	2022	Coders Data	1.80
331	Subhajit Konar	ME(BTECH)	2022	AB Polypacks	3.00
332	Subhojit Dey	ME(BTECH)	2022	AB Polypacks	3.00
333	Subhra Bhattacharya	ME(BTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
334	Sudip Kuila	ME(BTECH)	2022	Byjus	5.00
335	Sujeet Kumar	ME(BTECH)	2022	TCS	3.37
336	Sujoy Kumar Paul	ME(BTECH)	2022	Debson Pump	2.40
337	Sumanta Dey	ME(BTECH)	2022	Medtronics	3.60
338	Sumit Kr Pandit	ME(BTECH)	2022	AO Smith	3.07
339	Sumit Kumar	ME(BTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
340	Sumit Kumar Bera	ME(BTECH)	2022	Pinnacle Infotech	2.40
341	Suraj Bhunia	ME(BTECH)	2022	Medtronics	3.60
342	Surajit Paul	ME(BTECH)	2022	Coders Data	1.80
343	Suramyo Banerjee	ME(BTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
344	Surojit Mondal	ME(BTECH)	2022	AB Polypacks	3.00
345	Surya Shankar Roy	ME(BTECH)	2022	TCS	3.37
346	Swagatam Roy	ME(BTECH)	2022	Chegg India	4.50
347	Tanushree Barman	ME(BTECH)	2022	Medtronics	3.60
348	Tapas Mondal	ME(BTECH)	2022	VV Autotest	4.20
349	Tarique Zaidi	ME(BTECH)	2022	VV Autotest	4.20
350	Ujjal Kumar Seth	ME(BTECH)	2022	Debson Pump	2.40
351	Vikas Kumar	ME(BTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
352	Vikram Kumar Koley	ME(BTECH)	2022	Chegg India	4.50
353	Virottam Roy	ME(BTECH)	2022	Rajsriya Automotive	2.40
354	Wazid Ali	ME(BTECH)	2022	Pinnacle Infotech	2.40
355	Amit Dhar	ME(MTECH)	2022	Prisam Johnson	4.50
356	Angshuman Bhattacharjee	ME(MTECH)	2022	Prisam Johnson	4.50
357	Anirban Chakravarti	ME(MTECH)	2022	Greater Kolkata College of Engineering & Management	2.63

Training & Placement

358	Arijit Das	ME(MTECH)	2022	Jis College of Engineering	2.63
359	Arnab Das Sarma	ME(MTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
360	Ataur Rahaman	ME(MTECH)	2022	VV Autotest	4.20
361	Barun Kumar Chakraborty	ME(MTECH)	2022	Jis College of Engineering	2.63
362	Biswajit Mahata	ME(MTECH)	2022	Kinlong Hardware India Pvt. Ltd.	2.74
363	Dwaipayan Gupta	ME(MTECH)	2022	Narula Institute of Technology	2.63
364	Sanjoy Debnath	ME(MTECH)	2022	Narula Institute of Technology	2.63
365	Seshadri Sekhar Mukherjee	ME(MTECH)	2022	KEC INTERNATIONAL	3.35
366	Sumon Kundu	ME(MTECH)	2022	KEC INTERNATIONAL	3.35

Training & Placement

Higher Study					
Year	Name of student who enrolled for higher education	Program graduated from	Year of graduation	Name of institution joined	Name of program admitted to
2021-22	Ajit Mondal	B.Tech in AUE	2022	JIS College Of Engineering,Kalyani	M. Tech. In Mechanical Engineering
	Ankur Chakraborty	B.Tech in AUE	2022	JIS College Of Engineering,Kalyani	M. Tech. In Mechanical Engineering
	Suprabhat Dutta	B.Tech in AUE	2022	Hindustan Institute of Science and Technology	M. Tech in Automobile Engineering
	Tathajit Chatterjee	B.Tech in AUE	2022	Narula Institute of Technology, Kolkata	M. Tech in Automobile Engineering
	Ankur Saha	B.Tech in AUE	2022	Narula Institute of Technology, Kolkata	M. Tech in Automobile Engineering
	Pabitra Kumar Jha	B.Tech in AUE	2022	Hindustan Institute of Science and Technology	M. Tech in Automobile Engineering
	Yeshpal	B.Tech in CE	2022	Central University of Jharkhand	M.Tech in Transportation Engineering
	Suvrajit Banerjee	B.Tech in CE	2022	Maulana Abul Kalam Azad University of Technology	M.Tech in GeoInformatics
	Arunungshu Kundu	B.Tech in CE	2022	Maulana Abul Kalam Azad University of Technology	M.Tech in Renewable Energy
	Anindya Mukherjee	B.Tech in CE	2022	IIEST Shibpur	M.Tech in Structural Engineering
	Arkaprava Mallick	B.Tech in CE	2022	IIEST Shibpur	M.Tech in Structural Engineering
	Ajay Sarkar	B.Tech in CE	2022	Central University of Jharkhand	M.Tech in Geotechnical Engineering
	Rajarshi Sarkar	B.Tech in CE	2022	IIT Roorkee	M.Tech in Structural Engineering
	Moumita Kar	B.Tech in CE	2022	Narula Institute of Technology	M.Tech in Structural Engineering
	Bichitra Prokash Sarkar	B.Tech in CE	2022	Maulana Abul Kalam Azad University of Technology	M.Tech in GeoInformatics
	Akash Deb	B.Tech in CE	2022	Maulana Abul Kalam Azad University of Technology	M.Tech in Renewable Energy
	Hitesh Chandra Mandal	B.Tech in CE	2022	JIS College of Engineering	MBA
	Puja Chakraborty	B.Tech in CE	2022	JIS College of Engineering	MBA
	Pantui Debbarma	B.Tech in CE	2022	Regional College of Management, Bangalore	MBA
	Rajarshi Chakrabarty	B.Tech in CE	2022	JIS College of Engineering	MBA
	Soumik Kundu	B.Tech in CSE	2022	KIIT University	M.Tech
	Sunayan Kumar Biswas	B.Tech in CSE	2022	NIT	MBA
	Sanchita Dutta	B.Tech in CSE	2022	Andhra University	MBA
	Harshwardhan Kumar Bhagat	B.Tech in ECE	2022	Techno India	MBA
	Harsh Gupta	B.Tech in ECE	2022	JISU	M.TECH
	Johny Soleman Mallick	B.Tech in ECE	2022	HIT	MBA
	Tanmoy De	B.Tech in ECE	2022	JISU	M.TECH
	Tulika Mitra	B.Tech in ECE	2022	JISU	M.TECH
	Sumit Shaw	B.Tech in ECE	2022	IEM	M.TECH
	Jay Kumar	B.Tech in ECE	2022	HIT	MBA
	Joydip Dutta	B.Tech in ECE	2022	HIT	M.TECH
	Md Salman	B.Tech in ECE	2022	HIT	M.TECH
	Rikta Paul	B.Tech in ECE	2022	Jadavpur University	M.TECH
	Prativa Biswas	B.Tech in EE	2022	Maulana Abul Kalam Azad University Of Technology	M.Tech in Renewable Energy
	Sourav Giri	B.Tech ME	2022	Haldia Institute of technology	M Tech.

ANNUAL REPORT 2021-22

Training & Placement

List of Some Reputed Recruiters

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**

Library Resources 2021-22

Library Resources

Library Services

The Library is an information resource center providing books, magazines, periodicals, and newspapers. 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 42,650 books (according to Accession Register), 07 Newspaper and 07 Journals and Magazines are purchased by the Library on regular basis. Besides these, 02 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 90 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 7346 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: 30,662

Reference Books: 11,988

Hard copy Journal & Magazine: 07 (Magazine) & 02 (Journals), Newspaper: 8 (7 Daily and 1 weekly)

Previous year question papers are also available in printed form.

E-Resources

E-books: 415
E-Journal: 201+
Database : More than 50,000+ Indexed Journals
CD/DVD: 75+

On-Line Text based Information for IEEE ASPP Online- Tier 3
201 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 – 415.

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 75 CDs, DVDs are available in our collection on different subjects under the domain of Engineering.

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**

Memorandum of Understanding (MoU) 2021-22

Memorandum of Understanding (MoU) 2021-22

Sl. No	Name of Company MoU With	Date	Nature of Collaboration
1	Nikhil Bharat Shiksha Parishad	13.09.2021	Seminars/Webinars/Workshops, Internship and Training, Student projects
2	Sikharthy Info-tech Private Limited	07.12.2021	The Trainer Program, Student Internship, Seminar/Webinar, Placement assistance, On-job training
3	Genex Engineering & Management Solutions	30.03.2022	Seminars/Webinars/Workshops, Internship and Training, Mentoring in student projects
4	LOGICZAP NEXTGEN TECHNOLOGY	07.10.2021	Internship & Training, Project Work
5	XViot Technologies Pvt. Ltd.	13.12.2021	Seminars/Webinars/Workshops, Internship and Training, Student projects
6	Infosys	11.01.2022	The Trainer Program, Student Internship, Seminar/Webinar, Placement assistance, Faculty FDP etc.
7	EUREKA Scientech Research Foundation	01.02.2022	Student Internship, Seminar/Workshop, Project-related sessions
8	Gapcrud Private Limited	31.01.2022	The Trainer Program, Student Internship, Seminar/Webinar, Placement assistance
9	Euphoria GenX	20.06.2022	Industry Training, Industry visit, FDP, Placement assistance, Seminar/Webinar

Sikharthy Infotech Private Limited
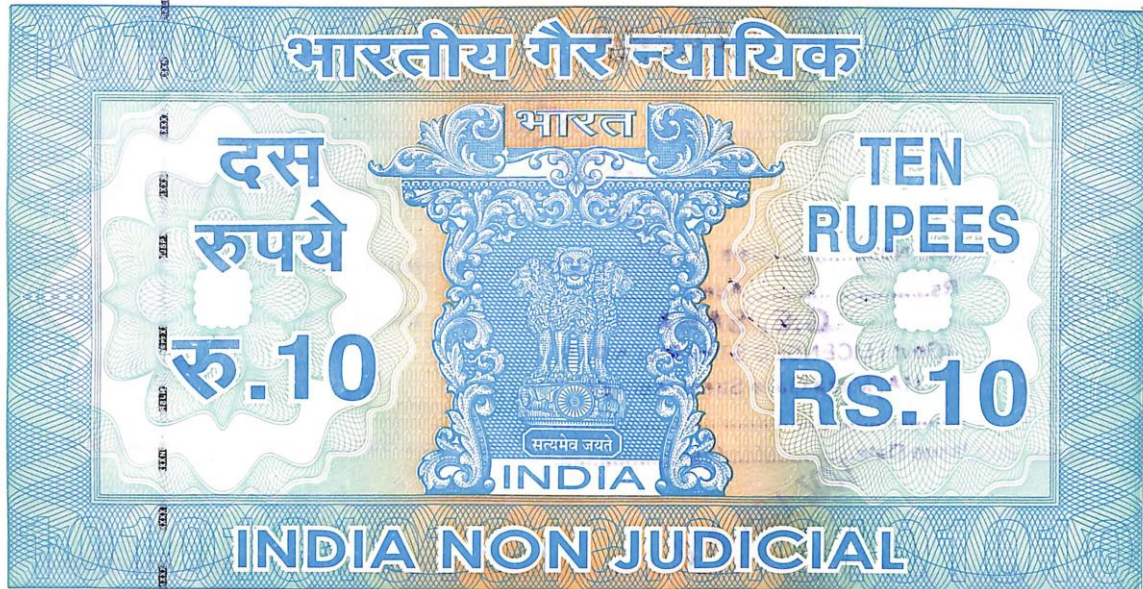
WEST BENGAL

61AB 041756

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

Department of Mechanical Engineering
DR. SUDHIR CHANDRA
SUR INSTITUTE OF TECHNOLOGY & SPORTS COMPLEX
Address: Jn. Station, 540, Dum Dum Rd, near Dum Dum, Surer Math,
Dum Dum, Kolkata, West Bengal 700074

AND

SIKHARTHY INFOTECH PRIVATE LIMITED
Address: ERGO Brilliant, EP & GP-95, 4th Floor, Module 404 A, Sector V,
Salt Lake, Kolkata – 700 091, West Bengal, India

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 6th day of December, 2021 by and between.

Department of Mechanical Engineering, SUR INSTITUTE OF TECHNOLOGY, the First Party represented herein by its Principal / Director / Head of Institution DR. SUDHIR CHANDRA **Department of Mechanical Engineering,** SUR INSTITUTE OF TECHNOLOGY & SPORTS COMPLEX And **SIKHARTHY INFOTECH PRIVATE LIMITED.** The Second party, and represented herein by its **Mr. Deepayan Pal, Director.**

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Memorandum of Understanding (MoU) with the Department of Mechanical Engineering and Sikharthy Infotech Private Limited on 07/12/2021

Gapcrud Private Limited

भारतीय गैर न्यायिक

भारत

बीस रुपये
रु.20

Rs.20

TWENTY RUPEES

सत्यमेव जयते

INDIA

INDIA NON JUDICIAL
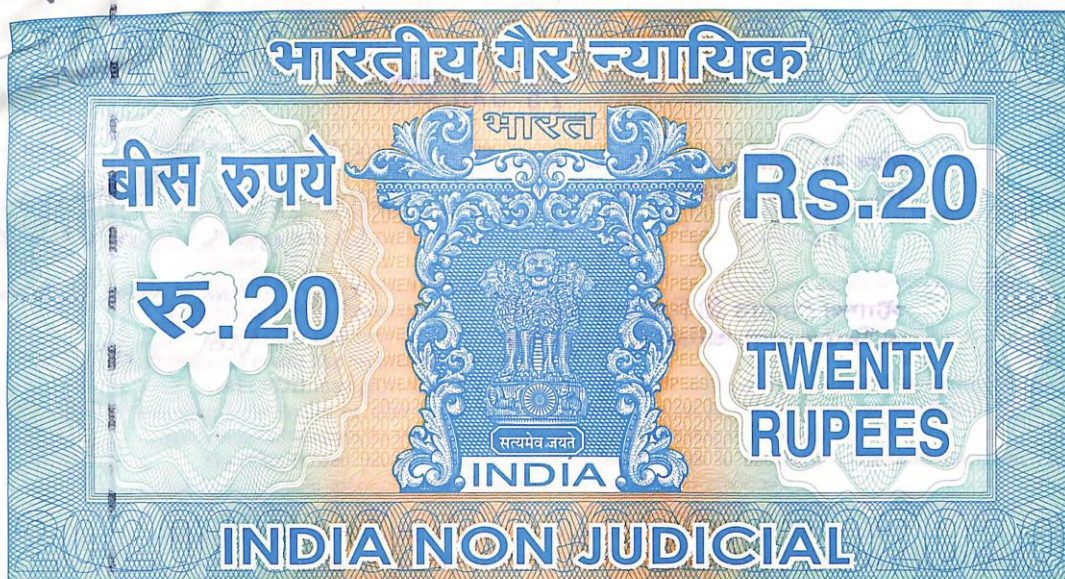
पश्चिमबंग पश्चिम बंगाल WEST BENGAL   28AA 074542

MEMORANDUM OF UNDERSTANDING (MOU)
BETWEEN
DR SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY & SPORTS
COMPLEX
AND
GAPCRUD PRIVATE LIMITED

This Memorandum of Understanding (hereinafter referred and called to as MoU) executed on this 31st of January 2022, between:

DR SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY & SPORTS COMPLEX (hereinafter referred to as SURTECH) situated at 540 Dum Dum Road, Surer Math, Dum Dum, West Bengal 700074, the ONE PART
AND

GAPCRUD PRIVATE LIMITED (hereinafter referred to as GAPCRUD), an ISO 9001:2015 certified educational technology and services organization incorporated under the Companies Act of 2013 (CIN: 180301WB2021PTC246914) and having its registered office at HA 130, Sector 3, Salt Lake City, Kolkata – 700097, the OTHER PART,
AND

WHEREAS, GAPCRUD is recognized as a technology startup by the Department of Promotion of Industry and Internal Trade, Ministry of Commerce & Industry via registration number DIPP85303, for its "GAPCRUD" project execution methodology. The company offers its services under the brand "Capsule Labs",
AND

WHEREAS, the parties herein wish to develop industry institute association for mutual benefit towards student, faculty and facility development

Page **1** of **3**

PRINCIPAL
Dr. Sudhir Chandra Sur Institute
of Technology & Sports Complex
540, Dum Dum Rd. Kolkata-74

Memorandum of Understanding (MoU) with Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex and Gapcrud Private Limited on 31/01/2022

Genex Engineering & Management Solutions

WEST BENGAL   27AA 274462

MEMORANDUM OF UNDERSTANDING (MOU)

Between

GENEX ENGINEERING & MANAGEMENT SOLUTIONS

(CADD Centre – Ultadanga)

P-192, 2nd Floor, CIT Road, Kolkata – 700067

And

DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

Date : 30/03/2022

1. **Background**

The Company's CADD CENTRE Ultadanga unique training approach is designed for delivering skills with speed, scale and standards. The Company CADD CENTRE Ultadanga provides modular training to empower youths and others with employable skills, especially in the CAD/CAM and allied sectors and to address the skill gap challenge faced by the Indian Industry sector.

Dr. Saradindu Panda   S. Banerjee

Memorandum of Understanding (MoU) with Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex and Genex Engineering & Management Solutions on 30/03/2022

Logiczap Nextgen Technologies

भारतीय गैर न्यायिक

एक सौ रुपये **Rs. 100**

रु. 100 **ONE HUNDRED RUPEES**

भारत INDIA

INDIA NON JUDICIAL

পশ্চিমবঙ্গ पश्चिम बंगाल WEST BENGAL

AG 577627

MEMORANDUM OF UNDERSTANDING (MoU)
BETWEEN
LOGICZAPNEXTGEN TECHNOLOGIES
AND
DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

This Memorandum of Understanding (MoU) is made and executed at on this date of 7th **Day** of **October, Year 2021** by and between:

LOGICZAP NEXTGEN TECHNOLOGIES, one of the fastest growing Edu-Tech company in the field of Electric Vehicle Technology & Embedded System training & development, having its registered office at QR No-M-50, RRIT, Chhend Colony, Rourkela Sundargarh ORISSA 769015 IN, hereby the **First Party**.

AND

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, located in Kolkata. The college is one of the top among the 30 institutions in West Bengal owned by JIS Group, the largest educational conglomerate in Eastern India. Having its registered office at Jn. Station, 540, Dum Dum Rd, near Dum Dum, Surer Math, Dum Dum, Kolkata, West Bengal 700074, IN, hereby the **Second Party**.

Page 1 of 7

Memorandum of Understanding (MoU) with Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex and Logiczap Nextgen Technologies on 07/10/2021

Euphoria Genx

भारतीय गैर न्यायिक

बीस रुपये
रु.20

भारत

INDIA

सत्यमेव जयते

Rs.20

TWENTY
RUPEES

INDIA NON JUDICIAL

पश्चिमबंग पश्चिम बंगाल WEST BENGAL

28AA 074537

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, 540 Dum Dum Road, Surermath, (Near Dum Dum Jn. Station),Kolkata-700074, West Bengal

AND

EUPHORIA GENX

HEAD OFFICE:

Plot No. E2-4, Block-GP Sector-V, Salt Lake City, Kolkata - 700091

Official Website :-www.euphoriagenx.com

Email:-training@euphoriagenx.com / campus@euphoriagenx.com

Telephone :-+91-92392-85916 / +91-79803-54519

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this 20/06/2022 by and between.

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (DSCSITSC), the First Party represented herein by its **Principal,Prof. (Dr.) Saradindu Panda.** andThe second party, and represented herein by its Authorized Signatory **Mr.SouravGhosh** (Divisional-In-Charge) on Behalf of Director, **Mr. Avoy Debnath**

Prof. (Dr.) Saradindu Panda
Principal
Dr. Sudhir Chandra Sur Institute
of Technology and Sports Complex
540, Dum Dum Road, Kolkata-700074

Memorandum of Understanding (MoU) with Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex and Euphoria Genx on 20/06/2022

Eureka Scientech Research Foundation

भारतीय गैर न्यायिक

बीस रुपये
रु.20

भारत

Rs.20

INDIA

TWENTY RUPEES

INDIA NON JUDICIAL

पश्चिमकण पश्चिम बंगाल WEST BENGAL   28AA 074540

MEMORANDUM OF UNDERSTANDING (MoU)
BETWEEN
**DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY
AND SPORTS COMPLEX**
Address: Jn. Station, 540, Dum Dum Rd, near Dum Dum, Surer Math,
Dum Dum, Kolkata, West Bengal 700074
Website: https://www.surtech.edu.in/
AND
EUREKA SCIENTECH RESEARCH FOUNDATION
Address: Saraju Villa, 5A Khalisa Kota Pally
Birati, North 24 Parganas
Kolkata – 700 051, West Bengal, India
Website:https://esrf.org.in/

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on
the 1st day of February2022by and between,

**DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND
SPORTS COMPLEX** is the First Party represented herein by its Principal / Director
and **EUREKA SCIENTECH RESEARCH FOUNDATION** the Second Party,
represented herein by its **Prof. Dr. Joyanta Kumar Roy, Chairman cum
Managing Trustee.**

EUREKA SCIENTECH RESEARCH FOUNDATION

CHAIRMAN

Dr. Saradindu Panda
31/01/2022
Page 1 of 5

PRINCIPAL
Dr. Sudhir Chandra Sur Institute
of Technology & Sports Complex
540, Dum Dum Rd, Kolkata-74

Memorandum of Understanding (MoU) with Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex and Eureka Scientech Research Foundation on 01/02/2022

Nikhil Bharat Shiksha Parisad

भारतीय गैर न्यायिक

बीस रुपये
रु.20

Rs.20

TWENTY
RUPEES

INDIA

INDIA NON JUDICIAL

पश्चिमबंगा पश्चिम बंगाल WEST BENGAL   14AA 738877

MEMORANDUM OF UNDERSTANDING

BETWEEN

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
540, Dum Dum Rd, near Dum Dum, Surer Math, Dum Dum,
Kolkata, West Bengal 700074

AND

Nikhil Bharat Shiksha Parisad
(Empaneled Under NITI AAYOG Govt. of India)
C/o. IETA A/1 & & 2 Block GP, Salt Lake City, Kolkata -91, WB

1 of 9

Memorandum of Understanding (MoU) with Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex and Nikhil Bharat Shiksha Parisad on 13/09/2021

Xviot Technologies Private Limited

भारतीय गैर न्यायिक

बीस रुपये
रु.20

भारत

Rs.20

सत्यमेव जयते
INDIA

Rs.20
TWENTY
RUPEES

INDIA NON JUDICIAL

पश्चिमবঙ্গ पश्चिम बंगाल WEST BENGAL   27AA 274459

Memorandum of Understanding (MoU)
between
XVIOT TECHNOLOGIES PRIVATE LIMITED
And
DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY &
SPORTS COMPLEX

This Memorandum of Understanding (MoU) is made and executed at on this date of 13th Day of Month, year 2021 by and between:

Xviot Technologies Pvt Ltd, one of the fastest growing Tech company in the field of Telecom, IOT, AI , Robotics , Advanced High Speed Networking & Network Security along with Advanced & Embedded System training & development, having its registered office at P 44 RG Avenue, Clive House, Kolkata-28, hereby called the **First Party**.

And

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, located in Kolkata. The college is one of the top amongst the 30 institutions in West Bengal owned by JIS Group, the largest educational conglomerate in Eastern India. Having its registered office at Jn. Station, 540, Dum Dum Rd, near Dum Dum, Surer Math, Dum Dum, Kolkata, West Bengal 700074, IN, hereby called the **Second Party**.

Xviot Technologies Pvt. Ltd.
Director

Dr. Saradindu Panda

1 of 7

Memorandum of Understanding (MoU) with Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex and Xviot Technologies Private Limited on 13/12/2021

Infosys

DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY & SPORTS COMPLEX

(Formerly known as Dr. Sudhir Chandra Sur Degree Engineering College)

540 Dum Dum Road, Surermath, (Near Dum Dum Jn. Station), Kolkata- 700074

Phone: +91 33 25603889, 25603898, 65330375

Website: www.surtech.edu.in, Email: info@dsec.ac.in

SurTech

Infosys®

Memorandum of Understanding

This Memorandum of Understanding ("MOU") is between Infosys Ltd, a company incorporated under the laws of India with its registered office at Electronics City, Hosur Road, Bangalore – 560 100, India (hereafter referred to as "Infosys"); and **Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex** a university / engineering college committed to educational excellence having its office **540 Dum Dum Road, Surermath,(Near Dum dum jn station),Kolkata-700074. West bengal**(hereafter referred to as "Partner").

RECITALS:

A. WHEREAS Partner has been established for the purpose of enriching the technical education process and to jointly work for enhancing the quality of education imparted to students of all the engineering disciplines in the field of Information Technology (IT).

B. AND WHEREAS Infosys wishes to collaborate with the Partner for the purpose of enriching the technical education in new subject areas, learning-teaching process and to jointly work for enhancing the quality of education imparted to students of all the Information Technology ("IT") disciplines.

C. AND WHEREAS Partner with assistance from Infosys has goals for enhancing the quality of the technical education for students thereby enabling them to meet the industry needs and to be recognized globally.

NOW THEREFORE THE PARTIES HEREBY ACKNOWLEDGE AND AGREE AS FOLLOWS:

1. This MOU is for collaboration between both parties, for mutual benefit, to enhance the quality of the educational experience of students of the Partner and for the specific purposes detailed in Annexure I of this MOU

2. Intentionally Omitted

3. The Partner shall be responsible for providing the requisite infrastructure, network and internet access and any other facility required for the education and training.

4. It is agreed that the terms and conditions of any agreed cooperative project (s) as outlined in Annexure I of this MOU shall be the subject matter of separate definitive agreements to be negotiated and agreed upon by the Parties and/or any third parties, wherever applicable.

Memorandum of Understanding (MoU) with Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex and Infosys on 11/01/2022

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

IT Resources 2021-22

IT Resources

Hardware

SERVER - 2

DESKTOP – 506

LAPTOP- 7

LCD Projector -17

Switches - 28

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

Printers – 40

Scanners – 06

Photocopiers -1

Video Conferencing Systems-1

Wifi Devices = 30 Bio Metric Device = 2

CCTV Cameras - 106

IT Resources

Services

WiFi Bandwidth –

50-70 Mbps Average from campus Infrastructure from 100 Mbps **Railtel**, 100 Mbps **Alliance** Broadband Lease Line Connection.

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), 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 desin software Academic Perpetual

IT Resources

Services

WiFi Bandwidth –

50-70 Mbps Average from campus Infrastructure from 100 Mbps **Railtel**, 100 Mbps **Alliance** Broadband Lease Line Connection.

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	CE	Civil- software - 20 user STAAD, Pro V8i & STTAD Foundation Advance MX Road etc with India Code of desin software Academic Perpetual

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 Basic Science and Humanities

ANNUAL REPORT 2021-22

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.

Department of Basic Science & Humanities

* **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.

ANNUAL REPORT 2021-22

Department of Basic Science & Humanities

HOD Message

Dear colleagues and students,

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

The Basic Science & Humanities Department is the backbone 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 are 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

ANNUAL REPORT 2021-22

Department of Basic Science & Humanities

BASIC SCIENCE & HUMANITIES DEPARTMENTAL NEWS AT A GLANCE

- Mr. Vivek Shaw Received JIS Samman 2022 best Lecture Video Demonstration in Institutional Level

- Mr. Vivek Shaw Attended in 5 Days Faculty Development Program on OBE, organized by GKCEM.

- Mr. Vivek Shaw Attended in 5 Days Faculty Development Program on Schedule of Curriculum Development & Mapping, Organized by JIS University

- Mr. Vivek Shaw Attended a webinar on Intellectual property right in advancement of research, organized by DSCSITSC

- Mr. Vivek Shaw attained a certificate from COURSERA on An Intuitive Introduction to Probability.

- Dr Biswajit Gayen Attended in 5 Days Faculty Development Program on Application on IOT in Environment, Medical Science and Human Life organized by ATAL Academy & SSTC

- Dr Biswajit Gayen Attended a webinar on Modern Trends in Chemical Research: A few Glimpse, organized by Department of Chemistry, Ramakrishna Mission Vidyamandira.

- Dr Biswajit Gayen Attended a webinar on Intellectual property right in advancement of research, organized by DSCSITSC

- Dr Biswajit Gayen attained a certificate from COURSERA on Nanotechnology.

- Dr Biswajit Gayen published an article "IoT in Healthcare: An Endowment for Remote Place" on E-Magazine, Scientific India.

- Dr Biswajit Gayen published an article "Tobacco: A Silent Killer" on E-Magazine, Reflexion.

Department of Basic Science & Humanities

BASIC SCIENCE & HUMANITIES DEPARTMENTAL NEWS AT A GLANCE

- Ms. Pallabi Bose attended a 5 days FDP on Research Methodology and Software Tools In Research, organized by DSCSITSC

- Ms. Pallabi Bose attained a certificate from COURSERA on An Intuitive Introduction to Probability.

- Ms. Nibedita Biswas attained a certificate from COURSERA on English Composition I

- Ms Nibedita Biswas has published "An Eco-Critical Perspective on Hunger in The Hungry Tide" on Journal Of Emerging Technologies and Innovative Research.

- Ms. Debasmita Roy Chowdhury attended a 5 days FDP on Research Methodology and Software Tools In Research, organized by DSCSITSC

- Dr. Dipankar Ghosh attended 5-day online refresher program on "UHV Refresher Part -1" organized by All India Council for Technical Education (AICTE)

- Dr Dipankar Das Completed 5-day online refresher programe on "Universal Human Value Refresher-I(UHV-Refresher-Part-I)" organized by All India Council for Technical Education(AICTE).

- Mr. Anindya Chakraborty attended a 5 days FDP on Research Methodology and Software Tools In Research, organized by DSCSITSC

- Mr Nilanjan Singha Roy attended a 5 days FDP on Research Methodology and Software Tools In Research, organized by DSCSITSC

- Ms. Arpita Dhal attended a 5 days FDP on Research Methodology and Software Tools In Research, organized by DSCSITSC

- Mr. Rama Prasad Patra attended a 5 days FDP on Research Methodology and Software Tools In Research, organized by DSCSITSC

Department of Basic Science & Humanities

BASIC SCIENCE AND HUMANITIES DEPARTMENTAL NEWS AT A GLANCE

- Mr. Bidyut Majumder Attended in 5 Days Faculty Development Program on Python Programming organized by JIS University

- Ms. Priti Das Attended in 5 Days Faculty Development Program on Application of Different Computational Techniques in The Field of Engineering organized by GMIT

- Mr. Suvendu Mondal Completed course on "Python for Beginners"

- Ms. Namrata Pandey Attended in 5 Days Faculty Development Program on Digital Pedagogy- Exploring New Frontiers of Digital Transformations for Teaching-Learning Process organized by JIS University

- Mr. Rama Prasad Patra Attended in 5 Days Faculty Development Program on Python Programming organized by JIS University.

- Ms. Suvosree Ghosh Attended in 5 Days Faculty Development Program on Application of Different Computational Techniques in The Field of Engineering organized by Gargi Memorial Institute of Technology.

ANNUAL REPORT 2021-22

Department of Basic Science & Humanities

BASIC SCIENCE & HUMANITIES DEPARTMENTAL NEWS AT A GLANCE

- Department of Basic Science & Humanities has organized a Digital Parent Teacher Meet on 10.09.2021 from 7 pm onwards for the Students of B.Tech 1st year Students in the Google meet platform

- Department of Basic Science & Humanities has successfully conducted the Induction Program, 2021 for newly admitted 1st year students.

- Department of Basic Science & Humanities of Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex in collaboration with Art of Living has organized a 3 days COVID Care Program on 3 different activities related to "immunity boost & prevention of covid", "home isolation care" & " post covid rehabilitation" in the month of July 2021.

- 'Agomoni'- the cultural event was held virtually to celebrate the festive spirit of pre Durga Puja on 09.10.2021

- Department of Basic Science & Humanities has organized Photography competition on 6th November 2021 in online mode.

- Department of Basic Science & Humanities has organized a cultural programme to celebrate Mother Language day on 21st February, 2022.

- Department of Basic Science & Humanities has organized a Parent Teacher Meet on 06.05.2022 from 11am onwards for the Students of B.Tech 1st year.

- The Department of Basic Science and Humanities of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has organized a quiz competition on recent trends in technology on 11th March 2022

ANNUAL REPORT 2021-22

Department of Basic Science & Humanities

Departmental achievements

Student's achievements :

- Quazi Ibdita Islam, 1st year CSE student awarded 2nd place in Inter college Intter-college Athletics Meet competition organized by GNIT College Campus.

- Neha Kumari Rajbhar, 1st year CSE student awarded 3rd place in Inter college Intter-college Athletics Meet competition organized by GNIT College Campus.

- Jyoti Kumari, 1st year CSE student awarded 1st place in Inter college Solo singing competition organized by Narula institute of technology.

- Sayantan Chowdhury of 1st year CSE student awarded 1st place in Inter-College Debate competition organized by Narula institute of technology.

- Deepak Kumar Ray, 1st year CSE student awarded 2nd place in Table tennis competition organized by Adamas University.

- Rishita Ghosh, 1st year ECE student awarded 2nd place in Inter College Solo Singing competition organized by JIS University.

- Saikat Mondal, 1st year ECE student awarded 1st place in Inter College Table Tennis Tournament organized by JIS University.

- Subhayu Ghosh, 1st year ME student awarded 2nd place in Inter College Athletics Meet competition organized by GNIT College Campus.

- Swagnik Saha, 1st year AUE student awarded 2nd place in Inter College Painting competition organized by JIS University.

- Souvik Pal, 1st year AUE student awarded 2nd place in Inter college Intter-college Athletics Meet competition organized by JIS University.

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DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

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Department of Basic Science and Humanities

ANNUAL REPORT 2021-22

Department of Basic Science and Humanities

CSE, 1st Semester

Categories: BSPH101, BSM101, ESEE101, BSPH191, ESEE191, ESME192

Legend: O E A B C D F

CSE, 2nd Semester

Categories: BSCH201, BSM201, ESCS201, HMHU201, BSCH291, ESCS291, ESME291, HMHU291

Legend: O E A B C D F

ECE, 1st Semester

Categories: BSCH101, BSM102, ESEE101, BSCH191, ESEE191, ESME191

Legend: O E A B C D F

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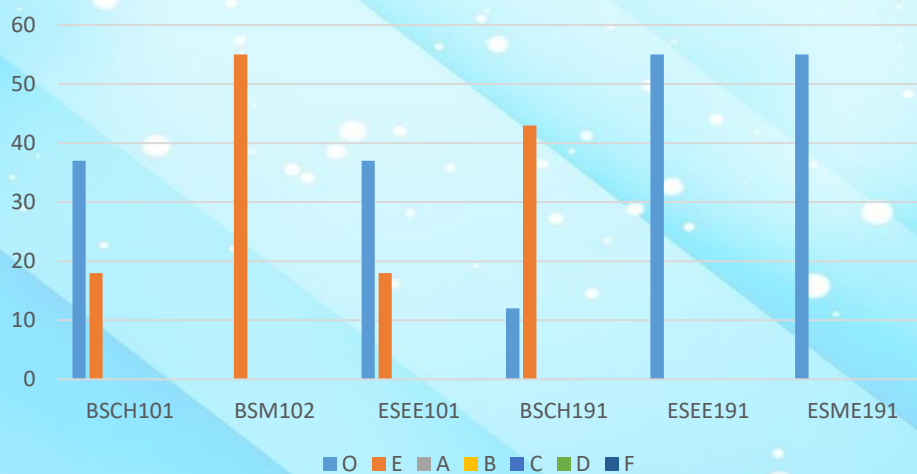
Department of Basic Science and Humanities

ECE, 2nd semester

Legend: O E A B C D F

AUE, 1st semester

Legend: O E A B C D F

AUE, 2nd semester

Legend: O E A B C D F

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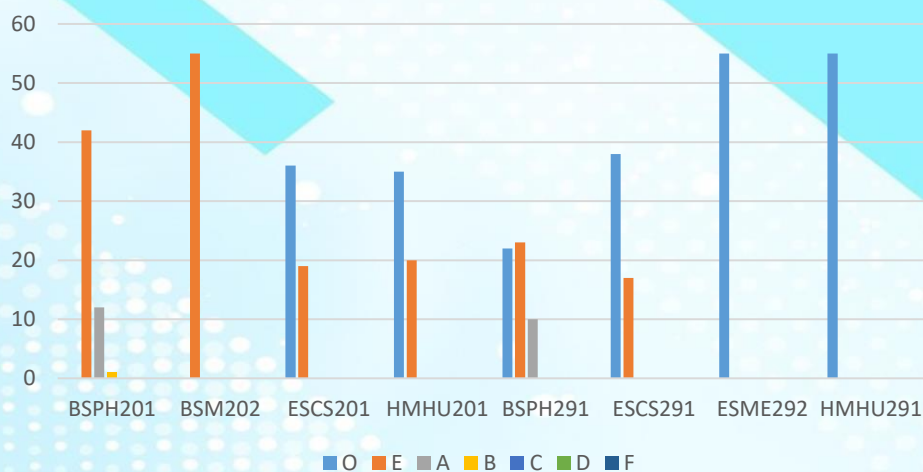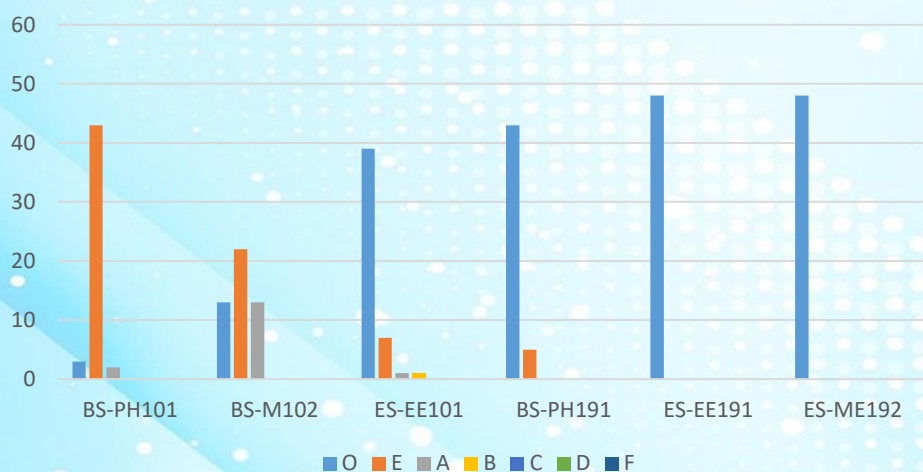
Department of Basic Science and Humanities

CE, 1st Semester
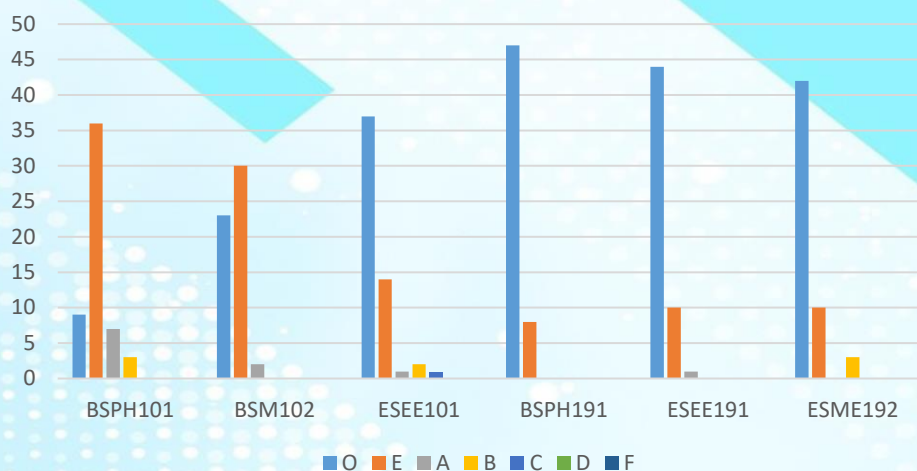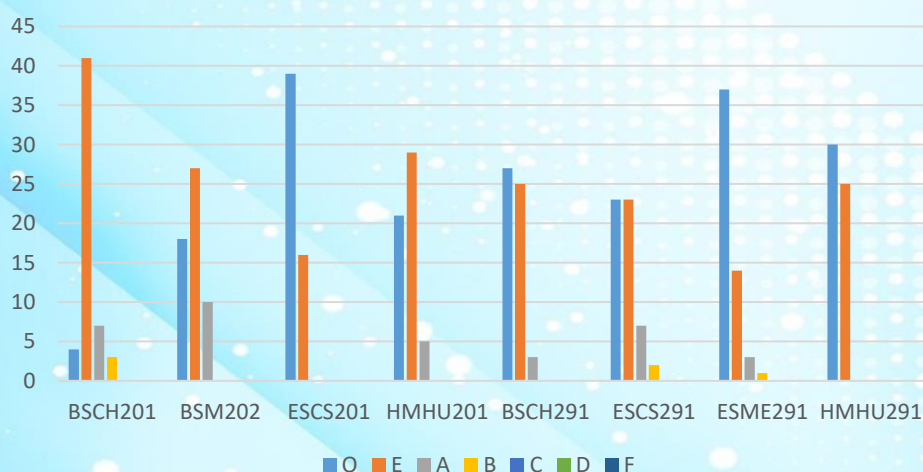
Legend: O E A B C D F

CE, 2nd Semester

Legend: O E A B C D F

ANNUAL REPORT 2021-22

DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX

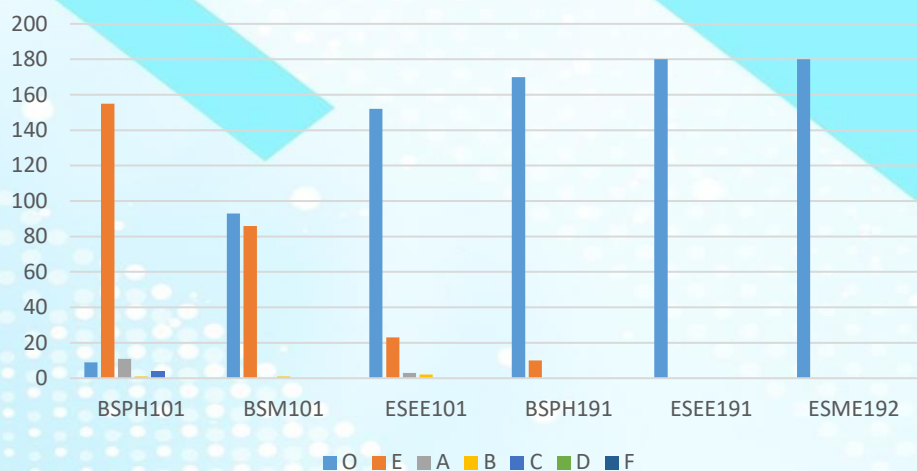**540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074 Website: www.surtech.edu.in, Email: info@dsec.ac.in**
Affiliated to Maulana Abul Kalam Azad University of Technology West Bengal, WBSCTVESD and Approved by AICTE
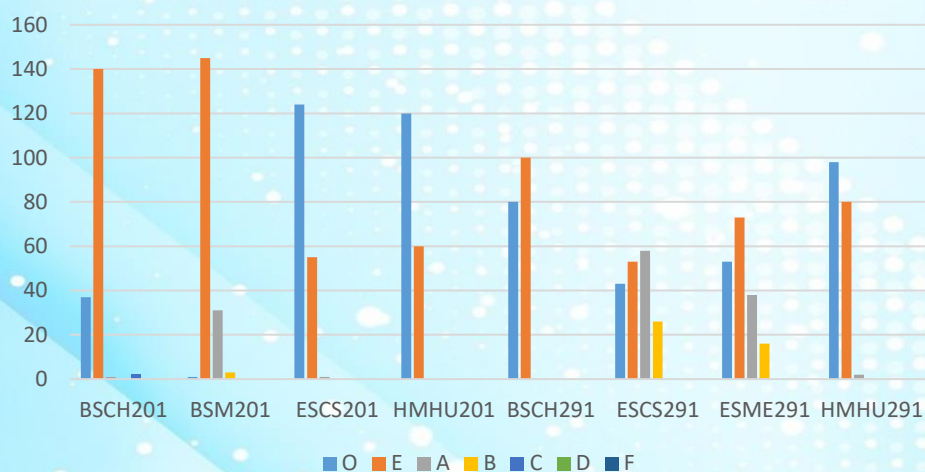
Department of Civil Engineering

ANNUAL REPORT 2021-22

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

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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.

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

ANNUAL REPORT 2021-22

Department of Civil Engineering

CIVIL DEPARTMENTAL NEWS AT A GLANCE

Department of Civil Engineering received JIS SAMMAN 2022 at Institute Level for their outstanding contribution towards education, research and administration.

Mr. Baibaswata Das Received JIS Samman 2022 for Highest Number of Publication in Departmental Level

Mr. Baibaswata Das Received JIS Samman 2022 for Highest Number of Student Publication in Departmental Level

Mr. Sourav Kumar Singha Received JIS Samman 2022 best Lecture Video Demonstration in Institutional Level

Ms. Papiya Nayek received JIS Samman 2022 best Practical Video Demonstration in Institutional Level

Mr. Baibaswata Das Received JIS Innovation Award 2021 for Faculty Publication

Mr. Baibaswata Das Received JIS Innovation Award 2021 for Student Publication

Mr. Souvik Chakraborty Received JIS Innovation Award 2021 for Faculty Publication

Mr. Souvik Chakraborty Received JIS Innovation Award 2021 for Student Publication

Souvik Chakraborty Received JIS Innovation Award 2021 for Student Publication

Mr. Baibaswata Das Attended in 5 Days Faculty Development Program on Application of Different Computational Techniques in The Field of Engineering organized by GMIT

Mr. Baibaswata Das Attended in 5 Days Faculty Development Program on Digital Pedagogy-

Exploring New Frontiers of Digital Transformations for Teaching-Learning Process organized by JIS University

ANNUAL REPORT 2021-22

Department of Civil Engineering

CIVIL DEPARTMENTAL NEWS AT A GLANCE

Mr. Abhijit Kundu Attended in 5 Days Faculty Development Program on Digital Pedagogy-

Exploring New Frontiers of Digital Transformations for Teaching-Learning Process organized by JIS University

Mr. Abhijit Kundu Attended in 5 Days Faculty Development Program on Python Programming organized by JIS University

Mr. Baibaswata Das Completed Coursera Course Title Introduction to Programming with MATLAB with 87.32% Marks

Mr. Baibaswata Das Completed Coursera Course Title Renewable Energy and Green Building Entrepreneurship with 88.56% Marks

Mr. Souvik Chakborty Attended 5 Day's FDP on " Digital Pedagogy-Exploring New Frontiers of Digital Transformations for Teaching-Learning Process organized by JIS University

Mr. Souvik Chakborty Attended 5 Days Faculty Development Program on Python Programming organized by JIS University

Mr. Sourav Kumar Singha Participated & completed successfully 5 days' FDP on Application of Different Computational Techniques in The Field of Engineering organized by GMIT

Mr. Sourav Kumar Singha Attended in 5 Days Faculty Development Program on Python Programming organized by JIS University

Mr. Sourav Kumar Singha Completed course offered through Coursera on "Introduction to GIS Mapping" with 88.21% marks

ANNUAL REPORT 2021-22

Department of Civil Engineering

CIVIL DEPARTMENTAL NEWS AT A GLANCE

Mr. Sourav Kumar Singha Completed   course offered through Coursera on "Remote Sensing Image Acquisition, Analysis and Applications" with 84.20% marks.

Mr. Debasish Roy Attended in 5 Days Faculty Development Program on Python Programming organized by JIS University

Mr. Debasish Roy Attended in 5 Days Faculty Development Program on Application of Different Computational Techniques in The Field of Engineering organized by GMIT

Mr. Souvik Chakraborty Completed course offered through Coursera on "Fundamentals of Fluid-Solid Interactions "with 80.25% marks

Mr. Souvik Chakraborty Completed course offered through Moocs by Skill-up by Simplilearn on "Python for Beginners "with 82.00% marks

Mr. Souvik Chakraborty, Assistant Professor of Department of Civil Engineering, Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex delivered a guest lecture at "A One Day Seminar on Recent Advancement in Civil Engineering" organized by the Department of Civil Engineering, School of Engineering, Swami Vivekanada University, Barasat, on 01.09.2022

Mr. Krishnendu Kundu Attended in 5 Days Faculty Development Program on Digital Pedagogy- Exploring New Frontiers of Digital Transformations for Teaching-Learning Process organized by JIS University

Mr. Krishnendu Kundu Attended in 5 Days Faculty Development Program on Python Programming organized by JIS University

ANNUAL REPORT 2021-22

Department of Civil Engineering

CIVIL DEPARTMENTAL NEWS AT A GLANCE

Mr. Krishnendu Kundu Completed course offered through Coursera on "Construction Project

Management "with 95% marks

Mr. Krishnendu Kundu Completed course offered through Coursera on "Renewable Energy and Green Building Entrepreneurship "with 82.00% marks

Mr. Prasun Seal Attended in 5 Days Faculty Development Program on Application of Different Computational Techniques in The Field of Engineering organized by Gargi Memorial Institute

of Technology

Mr. Prasun Seal Attended in 5 Days Faculty Development Program on Python Programming organized by JIS University

Mr. Souradeep Roy Completed course offered through Coursera on "Renewable Energy Technology Fundamentals" with 87.08% marks

Mr. Souradeep Roy Completed course offered through Coursera on "Renewable Energy and Green Building Entrepreneurship "with 83.5% marks

Mr. Baibaswata Das published 3 papers titled in conference proceedings of International Conférence on Computational Intelligence & Sustainable Technologies (ICoCIST 2021)

ANNUAL REPORT 2021-22

Department of Civil Engineering

CIVIL DEPARTMENTAL NEWS AT A GLANCE

Mr. Souvik Chakraborty published a papers in book chapter of Advances in Green Electronics Technologies.

Mr. Souvik Chakraborty published a paper in book chapter of Emerging Technologies and Management Trends in Environment and Sustainability (EMTES – 2022)

Mr. Swarnajyoti Paul, undergraduate student of B.Tech in CE presented a paper in International Conference on Information, Innovation & Intelligence Systems for Emerging Technologies (I3SET2022) under the guidance of Mr. Baibaswata Das, Mr. Souvik Chakraborty, Mr.

Krishnendu Kundu, Mr. Souradeep Roy and Mr. Sourav Kumar Singha

Department of Civil Engineering has organized a Digital Parent Teacher Meet on 14.06.2022 from 3.00 pm onwards for the Students of Diploma CE 2nd Year, 3rd Year & 1st-year Studentsin the Google meet platform

Department of Civil Engineering has organized a Digital Parent Teacher Meet on 14.06.2022 from 7 pm onwards for the Students of B.Tech CE 2nd Year, 3rd Year & 4th-year Students in the Google meet platform

Department of Civil Engineering, SurTech has organized a physical Industry Visit for the B.Tech CE 2nd Year Students & B.Tech CE 3rd Year Students on 07.04.2022 and 08.04.2022.The construction site visited by our Students was Multistorey Residential Building "Magnolia Fantasia".

Department of Civil Engineering

CIVIL DEPARTMENTAL NEWS AT A GLANCE

Department of Civil Engineering, SurTech has organized a physical Industry Visit for the Diploma CE 2nd Year & 3rd Year Students on 10.06.2022. The industrial site visited by our Students was Dhapa Water Treatment Plat "Jai Hind", a Water Treatment Project by Kolkata Municipal Corporation.

Department of Civil Engineering has conducted a Physical Industry Visit for the Students of B.Tech CE 3rd year Students on 31.10.2022. The industry visited was Jai Hind Jal Prakalpa, Dhapa Water Treatment Plant, a project of Kolkata Municipal Corporation

Department of Civil Engineering and Department of Mechanical Engineering has signed a Memorandum of Understanding (M.O.U) with CADD Centre, Ultadanga on 30th March, 2022

All the B.Tech 3rd Year (2023 batch passout) student got placed in Industrial Summer Internship program in various Govt. and reputed private industries such as PWD, PHE, etc.

Department of Civil Engineering published the wall magazine titled 'GEO-CLIMATE' on 09.06.2022

The Department of Civil Engineering of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has organized an Innovative Idea Competition on the topic "Conservation and Smart Engineering" on 7th March 2022 from 11.30 AM, an activity under Institute's Innovation Council (IIC)

Department of Civil Engineering has organized an Inter-Departmental Quiz Competition on 21.04.2022 with the students from all the departments

The Department of Civil Engineering Competition "MINDKRAFT" on 20.09.2022 organized an Intra-Departmental Quiz

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Department of Civil Engineering

Departmental achievements

Student's achievements :

Soumita Boral, 2021 passout Batch Student of Department of CE received the JIS SAMMAN 2022 Award for best Student in Departmental Level.

Debadri Saha, Student of B.Tech CE 4th year became winner of Innovative idea Competition organized by Department of Civil Engineering.

Soham Chatterjee, Student of B.Tech CE 3rd year became 1st runner-up of Innovative idea Competition organized by Department of Civil Engineering

Sahana Roy, Student of B.Tech CE 4th year became 2nd runner-up of Innovative idea Competition organized by Department of Civil Engineering

Kohelika Debbarma, Pritha Das students of B.Tech CE 2nd Year became winner of Inter Departmental Quiz Competition organized by Department of Civil Engineering

Pushpendu Pandit, Dicky Sherpa, Arpita Sinha, Dibendu Ghosh students of B.Tech CE 3rd year became winner of Inter Departmental Quiz Competition organized by Department of Civil Engineering

Suvrajit Banerjee, student of Civil Engineering 2022 Batch got opportunity to study M.Tech in Department of Geo-Informatics in Maulana Abul Kalam Azad University of Technology.

Arunugshu Pradhan student of Civil Engineering 2022 Batch got opportunity to study M.Tech in Department of Renewable Energy in Maulana Abul Kalam Azad University of Technology.

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Department of Civil Engineering

Departmental achievements

Student's achievements :

Yeshpal Thakur, student of Civil Engineering 2022 Batch got opportunity to study M.Tech in Department of Transportation Engineering in Central University of Jharkhand, Ranchi

Suvrajit Banerjee, student of Civil Engineering 2022 Batch published 3 Nos. of Book Chapters in Proceedings of International Conférence on Computational Intelligence & Sustainable Technologies (ICoCIST 2021) under the guidence of Mr. Baibaswata Das, Assistant Professor

of Department of Civil Engineering.

Saumyadip Kar, Sudipta Bhowmik, students of B.Tech CE 4th year presented a paper in Emerging Technologies and Management Trends in Environment and Sustainability (EMTES

– 2022) under the guidence of Mr. Souvik Chakraborty, Assistant Professor of Department of Civil Engineering.

Swarnajyoti Paul, student of B.Tech CE 4th year presented a paper in International Conference on Information, Innovation & Intelligence Systems for Emerging Technologies (I3SET2022) under the guidance of Mr. Baibaswata Das, Mr. Souvik Chakraborty, Mr. Krishnendu Kundu, Mr. Souradeep Roy and Mr. Sourav Kumar Singha, Assistant Professors of Department of Civil Engineering

Kashmita Nath Sarkar student of B.Tech CE 4th year published Patent titled 'Body Shell Reshaping Device'.

Department of Civil Engineering

Departmental achievements

Student's achievements :

Raunak Bhattacharya student of B.Tech CE 4th year published Patent titled ' MUSCLE STRENGTHENING EXERCISE DEVICE'.

Swarnajyoti Paul student of B.Tech CE 4th year published Patent titled 'HAND EXERCISE DEVICE'.

Suparna Polley student of B.Tech CE 3rd year published Patent titled 'Sheet Manufacturing Device'.

Swarnajyoti Paul of CE Dept. 2023 batch awarded 2nd place in Table tennis competition organized by Adamas University.

Sampurna Dey of CE Dept. 2022 batch awarded 2nd place in Inter College Solo Singing competition organized by JIS University.

Priyotosh Ghosh of CE Dept. 2022 batch awarded 1st place in Inter College Table Tennis Tournament organized by JIS University.

Sreedipa Bhowmik of CE Dept. 2022 batch awarded 2nd place in Inter College Athletics Meet competition organized by GNIT College Campus.

Puja Chakraborty of CE Dept. 2022 batch awarded 2nd place in Inter College Painting competition organized by JIS University.

Ritobrata Pyne of CE Dept. 2022 batch awarded 2nd place in Inter college Intter-college Athletics Meet competition organized by JIS University.

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Department of Civil Engineering

Departmental achievements

Student's achievements :

Priyanka Oraon of CE Dept. 2023 batch awarded 2nd place in Inter college Intter-college Athletics Meet competition organized by GNIT College Campus.

Sanglap Paul Chowdhury of CE Dept. 2023 batch awarded 1st place in Inter college Solo singing competition organized by K.K.University, Nalanda.

Chandan Roy of CE Dept. 2023 batch awarded 1st place in Inter College Athletic Meet competition organized by Kaziranga University, Koraikhowa.

Suvrajit Banerjee of CE Dept. 2022 batch awarded 1st runner-up of Inter-College Debate competition organized by Gandhi Institute of Excellent Technocrats.

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Department of Civil Engineering

Departmental achievements

Faculty's achievements :

Mr. Baibaswata Das Received JIS Samman 2022 for Highest Number of Publication in Departmental Level

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Department of Civil Engineering

Departmental achievements

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Department of Civil Engineering

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Mr. Krishnendu Kundu Attended in 5 Days Faculty Development Program on Python Programming organized by JIS University

Department of Civil Engineering

Departmental achievements

Faculty Publications :

Chowdhury, S., Lodh, R., Chakraborty, S. (2022). A Comprehensive Study on the Arsenic Contamination in the Groundwater of Assam and West Bengal with a Focus on Normalization of Arsenic-Filled Sludge from Arsenic Filters. In: Agarwal, P., Mittal, M., Ahmed, J., Idrees, S.M. (eds) Smart Technologies for Energy and Environmental Sustainability. Green Energy and Technology. Springer, Cham. https://doi.org/10.1007/978-3-030-80702-3_13

Debyasnita Sarkar, Sushovan Sarkar, and Debabrata Mazumder (2021). Scope of Recycling of Municipal Wastewater. Indian Journal of Environmental Protection, 41(7), pp. 810-815. https://www.e-ijep.co.in/41-7-810-815/

Indranil Ghosh, Debyasnita Sarkar, Ankita Adhikary, Preeti Prasad and Souvik Chakraborty (2021). Migration of Seawater Intrusion in Fresh Aquifer of South 24 Parganas, West Bengal. Indian Journal of Environmental Protection, 41(11), pp. 1290-1298. https://www.e-ijep.co.in/41-11-1290-1298/

Chakraborty, S., Das, P., Payne, R., Jha, N. and Sarkar, K.N., (2021). Water Shortage Analysis based on Reservoir Surfaces with varying Population and Rainfall for 2011-20 at Egra in Purba Medinipur. International Journal for Research in Applied Science & Engineering Technology, 9(9), pp. 1630-1637.

Ghosh, U., Biswas, R.K., Das, D., Banerjee, D., Das, B. (2022). Design and Operation of Drip Irrigation System to Orchard by Using Stored Rain Water Through Solar Photovoltaic Water Pump. In: Das, K.N., Das, D., Ray, A.K., Suganthan, P.N. (eds) Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-6893-7_19

Banerjee, S., Das, B., Banerjee, D., Das, D., Ghosh, U. (2022). Review on High-Performance Concrete by Replacing Conventional Cement with Fly Ash and Silica Fume. In: Das, K.N., Das, D., Ray, A.K., Suganthan, P.N. (eds) Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-6893-7_23

Department of Civil Engineering

Departmental achievements

Faculty Publications :

Banerjee, D., Das, D., Ghosh, U., Banerjee, S., Das, B. (2022). Study of Various Methods and Technologies Used in Wastewater Treatment to Control Water Pollution. In: Das, K.N., Das, D., Ray, A.K., Suganthan, P.N. (eds) Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-6893-7_24

Departmental achievements

Student Publications :

Debyasnita Sarkar (CE 2017-21) authored article "Scope of Recycling of Municipal Wastewater", published in Indian Journal of Environmental Protection, Vol 41, No.7, pp 810-815 (Scopus Indexed)

Indranil Ghosh (CE 2017-21), Debyasnita Sarkar (CE 2017-21), Ankita Adhikary, Preeti Prasad (CE 2017-21) authored article "Migration of Seawater Intrusion in Fresh Aquifer of South 24 Parganas, West Bengal" published in Indian Journal of Environmental Protection, Vol 41, No.11, pp1290- 1291(Scopus Indexed)

Prasmeet Das (CE 2018-22), Ritobrata Payne (CE 2018-22), Nidhi Jha (CE 2018-22), Kashmita Nath Sarkar (CE 2019-23) authored article "Water Shortage Analysis based on Reservoir Surfaces with Varying Population and Rainfall for 2011-2020 at Egra in Purba Medinipur", published in International Jourrnal for Research in Applied Science & Engineering Technology (IJRASET), Vol 9, Issue-IX

Ms. Pantui Debbarma (CE 2018-22) presented article "High Strength Concrete by Replacing Silica Fume with Metakaolin and Fly Ash" in International Conference in Sustainable Environmental Engineering and Science (SEES 2021)

ANNUAL REPORT 2021-22

Department of Civil Engineering

Departmental achievements

Student Publications :

Mr. Suvrajit Banerjee (CE 2018-22) authored article "Review on High-Performance Concrete by Replacing Conventional Cement with Fly-Ash and Silica Fume" published in Proceeding of the International Conference on Computational Intelligence and Sustainable Technology (ICoCIST2021) (Springer Nature)

Mr. Suvrajit Banerjee (CE 2018-22) authored article "Review on High-Performance Concrete by
Replacing Conventional Cement with Fly-Ash and Silica Fume" published in Proceeding of the International Conference on Computational Intelligence and Sustainable Technology (ICoCIST2021) (Springer Nature)

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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 Civil Engineering

Result Analysis 2021-22

Department of Civil Engineering

2ⁿᵈ Year

SGPA-Wise Result Analysis (3rd Semester)
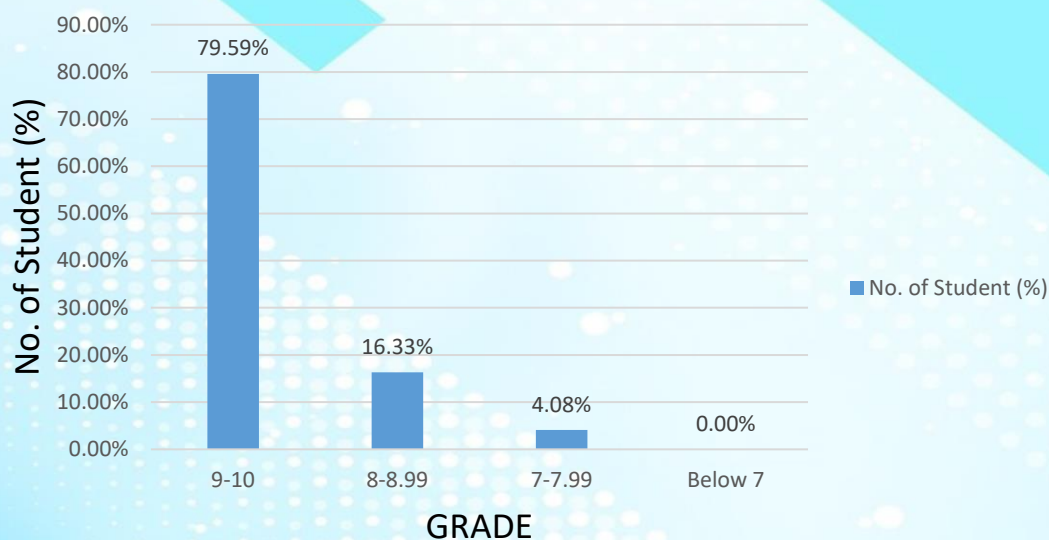
SGPA-Wise Result Analysis (4th Semester)

ANNUAL REPORT 2021-22
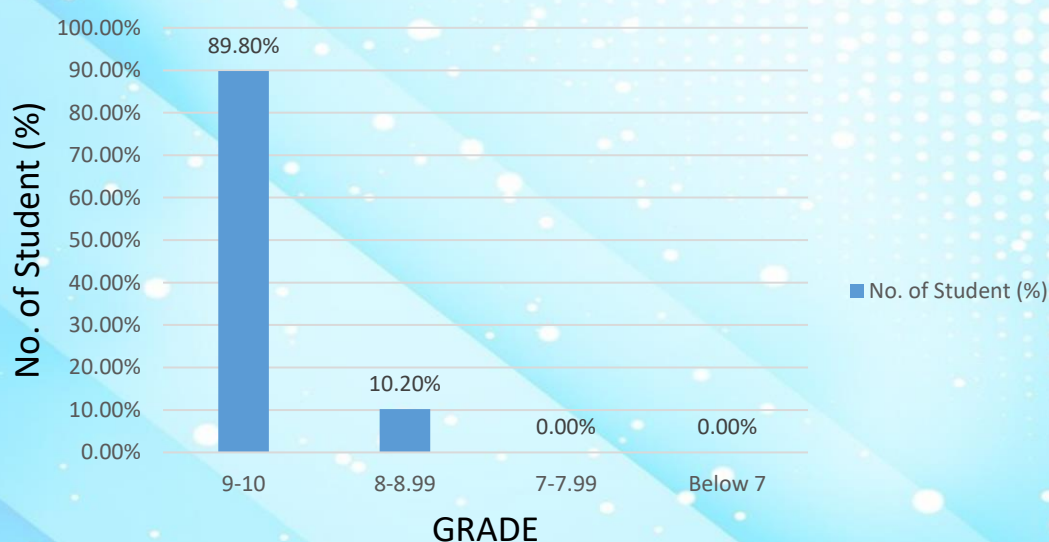
Department of Civil Engineering

3ʳᵈ Year

SGPA-Wise Result Analysis (5th Semester)

No. of Student (%)

- 9-10: 63.16%
- 8-8.99: 35.09%
- 7-7.99: 1.75%
- Below 7: 0.00%

GRADE
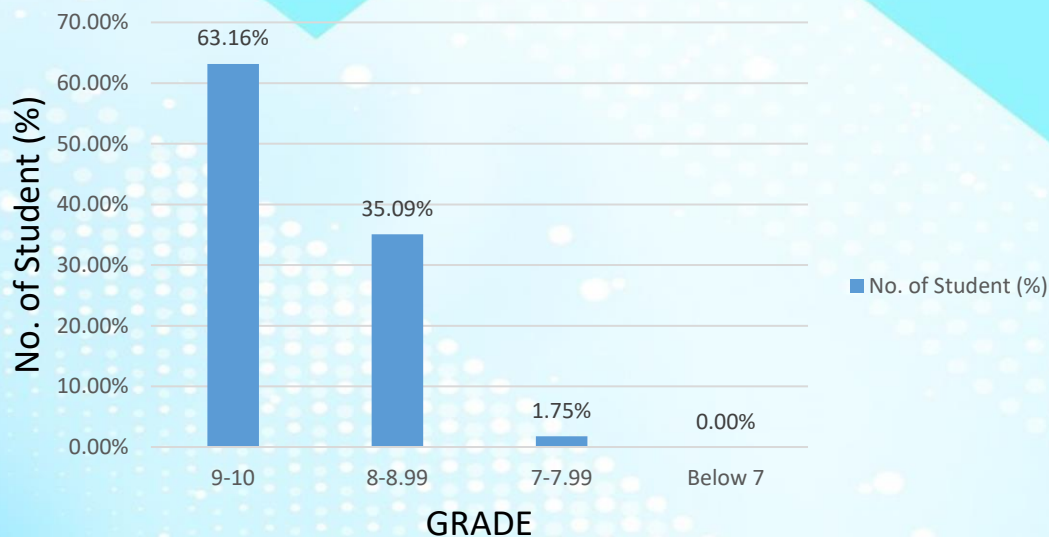
SGPA-Wise Result Analysis (6th Semester)

No. of Student (%)

- 9-10: 80.70%
- 8-8.99: 19.30%
- 7-7.99: 0.00%
- Below 7: 0.00%

GRADE

ANNUAL REPORT 2021-22
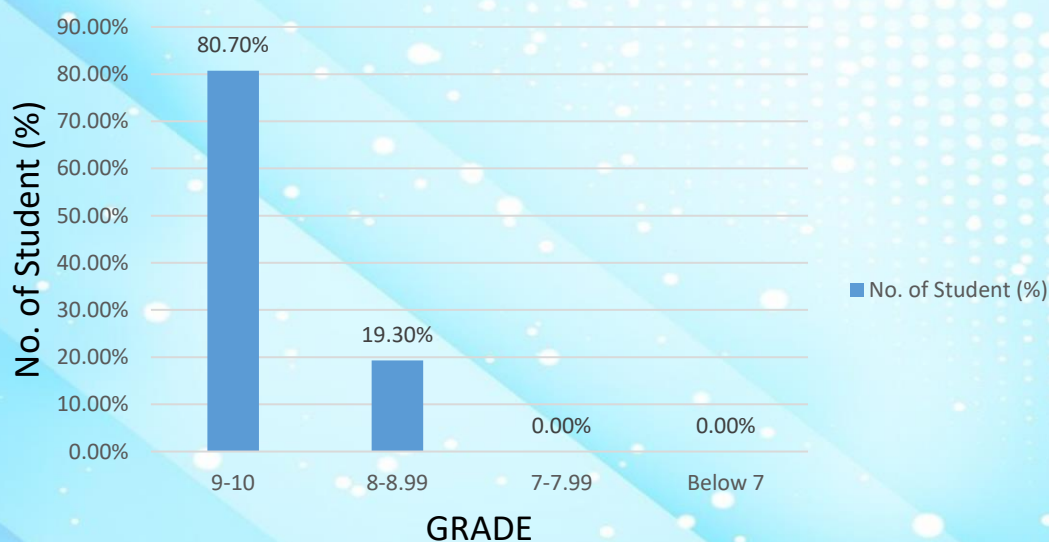
Department of Civil Engineering

4th Year

SGPA-Wise Result Analysis (7th Semester)
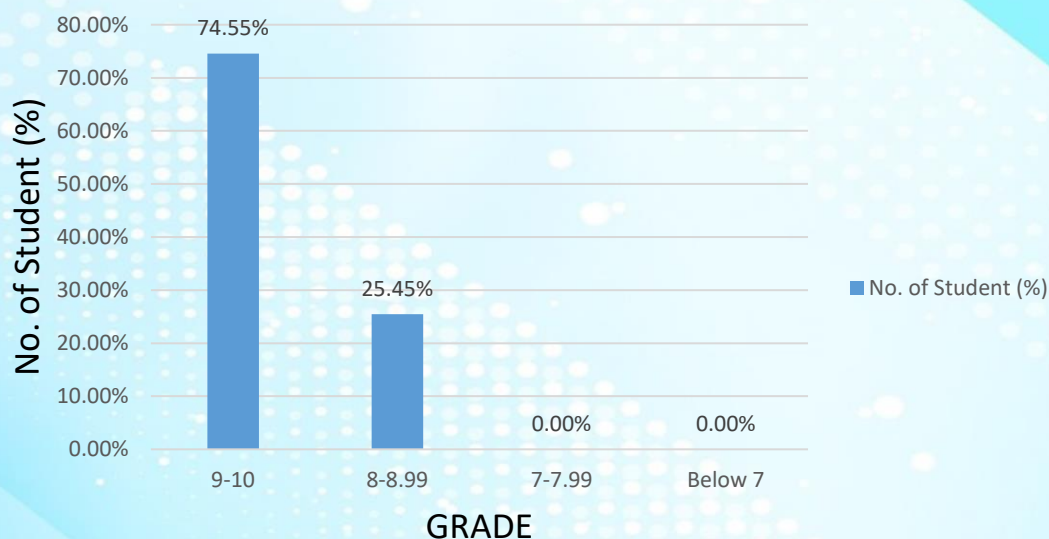
SGPA-Wise Result Analysis (8th Semester)
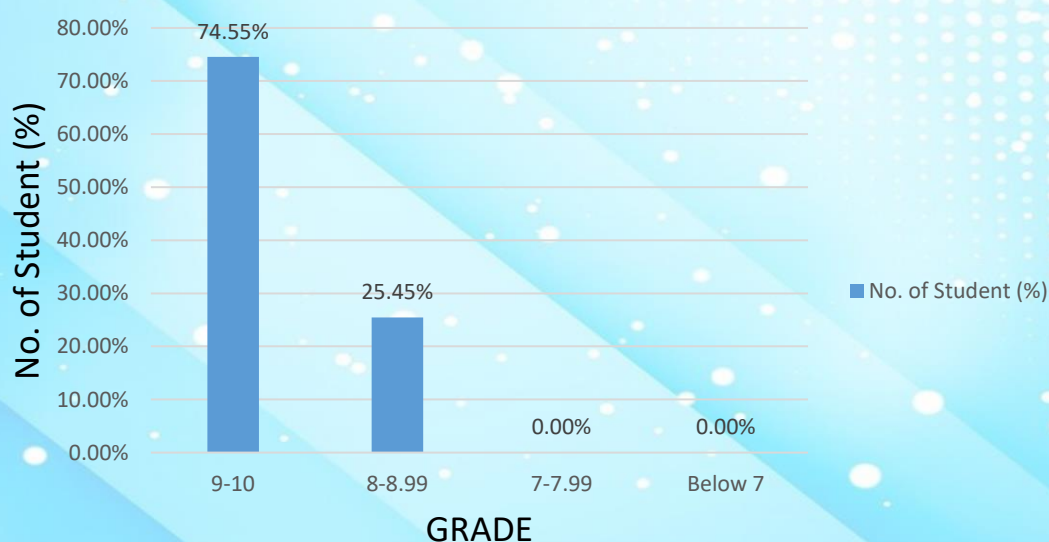
ANNUAL REPORT 2021-22

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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Department of Automobile Engineering

ANNUAL REPORT 2021-22

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.

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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 teaum 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 pleased to present the Annual Report from the Automobile Engineering Department of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex. This report comprehensively covers all departmental activities, shedding light on the enthusiastic involvement of our faculty members and students in various acts, events, and proceedings.

We have full confidence in your ability to seize the opportunities presented in this newsletter to enhance your lives. It is crucial to rise resiliently after facing setbacks; it is through these challenges that tales of determination and perseverance are forged. The Department of Automobile Engineering is dedicated to supporting you in all your endeavours. Therefore, focus on your coursework and strive for personal growth every day. Remember, we are here to assist you whenever needed.

As the mentors of the Automobile Engineering Department, along with the entire faculty, I want to assure you that we are committed to your well-being and education. We are here to guide you towards achieving the greatest possible success.

Dr. Prasun Dutta

Head of the Department

Automobile Engineering Department, DSCSITSC

Department of Automobile Engineering

- **Faculty Achievements**

1. Dr. Sk Tanbir Islam participated in the Online Faculty Development Program on "Unconventional Machining Process" from 26/07/2021 to 02/08/2021 Organized by the Department of Mechanical Engineering, Sri Sairam Engineering College

2. Mr. Arindam Mukherjee participated in the Online Faculty Development Program on "Alternate Fuels for IC Engine" from 02/08/2021 to 06/08/2021 Organized by University College of Engineering (UCET), Vinobabhave University HazaribagDon Bosco Institute of Technology

3. Mr. Kalyan Mukherjee participated in the Online Faculty Development Program on "Alternate Fuels: Biodiesel" from 04/10/2021 to 08/10/2021 Organized by P D A College of Engineering Kalaburagi

4. Mr. Shankha Ghosh participated in the Online Faculty Development Program on "Renewable Energy – A Future Alternative" from 17/01/2022 to 21/01/2022 Organized by Government Polytechnic Thane

5. Mr. Pritam Bhattacherjee participated in the Virtual Faculty Development Program on "Unconventional Machining Process" from 26/07/2021 to 02/08/2021 Organized by the Department of Mechanical Engineering, Sri Sairam Engineering College

Department of Automobile Engineering

• **Student Achievements**

Department of Automobile Engineering

Result Analysis

YGPA wise Result Analysis (2nd Year, YGPA2)

YGPA wise Result Analysis (3rd Year, YGPA3)

Department of Automobile Engineering
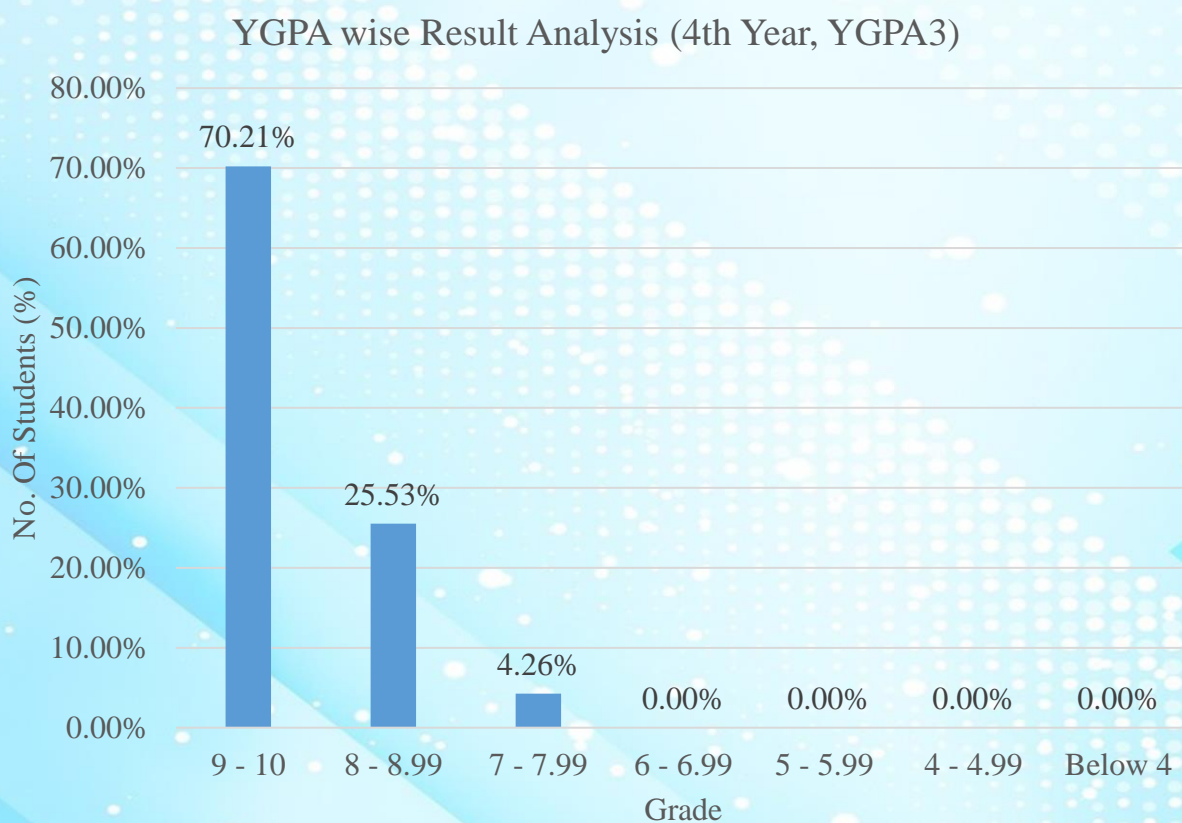
Result Analysis

YGPA wise Result Analysis (4th Year, YGPA3)

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 Computer Science & Engineering

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Department of Computer Science & Engineering

Vision of the department

To address the challenges of societal needs and global industry requirements in the area of Computer Science & Engineering with state of art education and research.

Mission of the department

DM1: To provide an environment for education, research and development by imparting sound theoretical knowledge and practical skills in Computer Science & Engineering.

DM2: To produce skilled graduate Engineers capable of designing solutions for industry and society.

DM3: To produce skilled graduate Engineers capable of designing solutions for industry and society.

DM4: 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, engi-

  neering fundamentals, and an engineering specialization to the solution of com- plex engineering problems.

* **Problem analysis**: Identify, Formulate, review research literature and analyze complex engineering problems related to CSE and reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

* **Design/development of solutions**: Design solutions for complex engineering problems related to CSE 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 computer science related 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 CSE professional engineering practice.

* **Environment and sustainability**: Understand the impact of the CSE 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.

✳ **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 able to comprehend and with 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 management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.

✳ **Life-long learning**: Recognize the need for and have the preparation and ability to engage in independent and life-long learning the broadest context of technological change.

Department of Computer Science & Engineering

Program Educational Objective (PEO)

PEO1: Graduates will be able to take up technical/managerial roles involving problem analyzing, solving, designing, development to production support in software industries as well as in R&D sectors.

PEO2: Graduates will pursue higher education/research.

PEO3: Graduates will adapt, contribute and innovate advance technologies and systems in the key domains of Computer Science & Engineering.

PEO4: Graduates will be ethically and socially responsible.

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Department of Computer Science & Engineering

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.

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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 SPORTS 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 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.

Department of Computer Science Engineering

HOD Message

Dear colleagues and students,

We from the Dept. of CSE welcome you in the fascinating world of reality vs. virtual reality, from modelling to simulation, from action to implementation of real world dynamics, engineering, and algorithm. Here we start from the basics of mathematics, physics, earth science etc. to a smoother interface in day to day life. e.g. medical electronics, rocket engineering, undersea navigation everywhere we are here. The course started with basic students passing out of the department and are ready for lifelong learning. The Department provides a blooming environment to both students and faculties. We also interact with industries and research organizations by signing MOUs. I would like to extend a warm welcome to all future engineers and research scholars to be associated with the research activities at the Department of CSE.

Wishing you all a successful and rewarding academic year!

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

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Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Search Engine Optimization with Google Analytics & AMP; Web Master Tools (19-07-2021 - 23-07-2021):

This comprehensive workshop focused on optimizing web content for search engines, utilizing tools such as Google Analytics, Accelerated Mobile Pages (AMP), and Web Master Tools. Participants gained practical knowledge in improving website visibility, analyzing user behavior, and implementing strategies to enhance search engine rankings, particularly in the mobile sphere.

Mobile Application Development (19-07-2021 - 23-07-2021):

Covering both Android and iOS platforms, this workshop provided hands-on experience in mobile application development. Participants learned about app design principles, development frameworks, and user interface optimization. Through practical exercises, attendees gained proficiency in building responsive and user-friendly mobile applications.

Arduino with IoT (19-07-2021 - 23-07-2021):

In this workshop, participants explored the integration of Arduino microcontrollers with the Internet of Things (IoT). They learned to program Arduino boards, connect sensors and actuators, and develop IoT applications. By combining hardware and software components, attendees gained insights into creating innovative IoT solutions for various domains.

Ethical Hacking (18-02-2022 - 24-02-2022):

Focused on cybersecurity fundamentals, this workshop provided participants with an understanding of ethical hacking principles and methodologies. Through practical labs and simulations, attendees learned to identify vulnerabilities, perform penetration testing, and strengthen the security posture of networks and systems.

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Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Introduction to Django (18-02-2022 - 24-02-2022):

Django, a powerful Python web framework, was the centerpiece of this introductory workshop. Participants were introduced to Django's architecture, ORM, templating system, and other key features. Through hands-on projects, attendees gained proficiency in building dynamic web applications using Django's robust development ecosystem.

Blockchain (18-02-2022 - 24-02-2022):

In this workshop, participants delved into the fundamentals of blockchain technology, exploring decentralized ledgers, consensus mechanisms, and smart contracts. Through case studies and discussions, attendees gained insights into the potential applications of blockchain across industries, including finance, supply chain, and healthcare.

These workshops provided valuable insights and practical skills, empowering participants to excel in their respective fields and adapt to the evolving landscape of technology and innovation.

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Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

➢IPR FILED/PUBLISHED/GRANT

Dr. Shefalika Ghosh Samaddar submitted an Application for e-filing of an IPR standard trademark (category: word mark) 2022.

Mrs. Rinku Supakar published a patent entitled "A NOVEL METHOD TO ANALYZE LIVER CANCER GROWTH USING RSELIBKNN,SIMPLE CART AND KSTAR CLASSIFIERS ." APPLICATION NUMBER 202011044254 , PUBLICATION DATE (U/S 11A) 15/04/2022.

➢ FDP ATTENDED

Name: Mallika De
Academic Year 2021-2022
Position: [Professor/Assistant Professor]
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022
Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
        [List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Name: Shefalika Ghosh Samaddar
Academic Year 2021-2022
Position: [Professor/Assistant Professor]
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022
Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
        [List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Name: Arpita Saha Chowdhury
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Name: Rinku Supakar
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Name: Madhusmita Mishra
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Name: Anjan Kumar Payra
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Name: Debdatta Chatterjee
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Name: Sanjoy Bhattacharjee
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Name: Ruchira Dutta
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Name: Rupan Panja
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Name: Amal Kumar Saha
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Name: Suman Pathak
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Name: Bishal Das
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Name: Somenath Kumar
Academic Year 2021-2022
Position: Assistant Professor
Event Attended: Faculty Development Program (FDP) on Digital Image Processing using MATLAB
Date: 25/06/2022 to 30/06/2022

Details:
Organization/Institution: [Name of Institution/Organization]
Purpose: The Faculty Development Program (FDP) aimed to enhance participants' knowledge and skills in Digital Image Processing using MATLAB.
Key Topics Covered:
[List of key topics covered during the FDP]
Role/Responsibility: [Brief description of the individual's role or responsibilities during the FDP, if applicable]

Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Student's achievements :

Outstanding Achievements in Inter College Competitions

1. First Place in Inter College Hundred Meter Run - Nilanjan Mishar:
   Nilanjan Mishar's victory in the Hundred Meter Run exemplifies not only his remarkable speed and athleticism but also his dedication to training and perseverance. His swift strides and determination propelled him to the first place, earning him recognition as a standout athlete in the inter college sports arena.

2. First Place in Inter College Chess Competition - Samewanlang Rani:
   Samewanlang Rani's triumph in the Chess Competition highlights his strategic thinking and mastery of the game. His ability to anticipate opponent moves and formulate winning strategies secured him the first place, underscoring his intellect and tactical prowess on the chessboard.

3. First Place in Inter College Badminton Competition - Dicky Sherpa:
   Dicky Sherpa's victory in the Badminton Competition showcases his exceptional skills and agility on the court. His precision shots, swift movements, and competitive spirit propelled him to the first place, earning admiration from fellow competitors and spectators alike.

4. First Place in Inter College Extempore Competition - Neha Kumari Rajbhar:
   Neha Kumari Rajbhar's success in the Extempore Competition reflects her eloquence, quick thinking, and ability to articulate ideas effectively under pressure. Her captivating speech and confident delivery secured her the first place, highlighting her communication skills and intellectual prowess.

5. First Place in Inter College Painting Competition - Ranjan Barman:
   Ranjan Barman's triumph in the Painting Competition showcases his artistic talent and creative expression. His captivating artwork captivated the judges and spectators, earning him the first place and recognition as a talented artist within the inter college community.

Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Student's achievements :

Outstanding Achievements in Inter College Competitions

6. Third Place in Inter College Badminton Competition - Rohit Kumar Rajbhar:
   Rohit Kumar Rajbhar's achievement of the third place in the Badminton Competition demonstrates his resilience and sportsmanship on the court. Despite facing tough competition, his determination and skill earned him a commendable position, showcasing his commitment to excellence in badminton.

These outstanding achievements in various inter college competitions not only celebrate the individual talents and efforts of Nilanjan Mishar, Samewanlang Rani, Dicky Sherpa, Neha Kumari Rajbhar, Ranjan Barman, and Rohit Kumar Rajbhar but also contribute to the vibrant and competitive spirit of the inter college community. Their success serves as an inspiration to their peers and underscores the importance of dedication, skill, and passion in pursuing excellence in sports, academics, and the arts.

Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Student's achievements :

Abhimanyu Prasad (CSE) received award for his highest number of journals publication in year 2017 at Institution level from JIS Samman 2021, Academics.

SoukhindranathBasak&Ankur Kumar Biswas (CSE) received award for the journals publication in year 2018 at Institution level from JIS Samman 2021, Academics.

Bipasha Pal, RijitChakraborti, Antara Mukherjee, RohanSarkar, Rohan Roy, ShankhadeepGhosh (CSE+EE jointly made the project) received award for best student project in year 2020 at Institution level from JIS Samman 2021, Academics.

Urmila Nair (CSE) received award as a college blue in year 2018 at Institution level from JIS Samman 2021, Academics.

Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Faculty's achievements :

 1. Ortho_Sim_Loc: Essential protein prediction using orthology and priority-based similarity approach

Author: Anjan Kumar Payra
Affiliation: Computer Science and Engineering, Computational Biology and Chemistry
Journal: Computational Biology and Chemistry
DOI:
[10.1016/j.compbiolchem.2021.107543](https://www.sciencedirect.com/science/article/abs/pii/S1476927121000700)

Abstract:
Identifying essential proteins is crucial in understanding cellular processes and designing therapeutic interventions. In this paper, Anjan Kumar Payra introduces Ortho_Sim_Loc, a novel method for predicting essential proteins using orthology and a priority-based similarity approach. The method utilizes orthologous relationships across species and prioritizes protein similarity to infer essentiality.

Key Contributions:
1. Orthology-based Prediction: Leveraging orthologous relationships helps in transferring knowledge from well-studied organisms to lesser-known ones, enhancing the accuracy of essential protein prediction.

2. Priority-based Similarity Approach: Introducing a prioritization mechanism based on protein similarity improves the robustness and reliability of essential protein identification.

3. Validation: The proposed method is validated using benchmark datasets, demonstrating its effectiveness compared to existing techniques.

Significance:
Ortho_Sim_Loc presents a promising approach for essential protein prediction, offering improved accuracy and reliability. The integration of orthology and prioritized similarity enhances our understanding of protein essentiality, which has implications in various fields including drug discovery, disease treatment, and biotechnology.

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Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Student's achievements :

Future Directions:
Further refinement and validation of Ortho_Sim_Loc could involve expanding the dataset used for validation to include a broader range of organisms and experimental conditions. Additionally, exploring the application of this method in other areas of computational biology could uncover its full potential.

2. Knowledge Mining in Spreading Pattern of COVID-19 and Its Impact on India Economy

Author: Madhusmita Mishra
Affiliation: Computer Science and Engineering

Abstract:
Madhusmita Mishra investigates the spreading pattern of COVID-19 and its repercussions on the economy of India through knowledge mining techniques. The study employs data-driven approaches to analyze the dynamics of COVID-19 transmission and its socioeconomic impact.

Key Contributions:
1. Spreading Pattern Analysis: Utilizing data mining techniques, the study elucidates the patterns of COVID-19 transmission, including factors influencing its spread and geographical variations.

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Department of Computer Science & Engineering

COMPUTER SCIENCE & ENGINEERING DEPARTMENTAL NEWS AT A GLANCE

Student's achievements :

2. Economic Impact Assessment: By integrating epidemiological data with economic indicators, the study quantifies the impact of the pandemic on various sectors of the Indian economy, such as employment, GDP, and healthcare expenditure.

3. Policy Recommendations: Based on the findings, the study offers insights into policy measures to mitigate the adverse effects of COVID-19 on the economy, including targeted interventions and resource allocation strategies.

Significance:
This research contributes to a deeper understanding of the complex interplay between public health crises and economic systems. By employing knowledge mining techniques, it provides valuable insights for policymakers, stakeholders, and researchers grappling with the challenges posed by the COVID-19 pandemic.

Future Directions:
Further research could focus on refining the predictive models used for forecasting the spread of COVID-19 and assessing its economic impact. Additionally, investigating the effectiveness of different policy interventions in mitigating the socioeconomic consequences of pandemics could guide future policymaking efforts.

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 Computer Science & Engineering

Result Analysis 2021-22

Department of CSE

2ⁿᵈ Year

Marks Analysis of 4th Semester Marks for AY 2021-22 of Computer Science and Engineering Department

Legend: PCC-CS401, PCC-CS402, PCC-CS403, PCC-CS404, BSC 401, MC401, PCC-CS 492, PCC-CS494

3ᴿᴰ Year
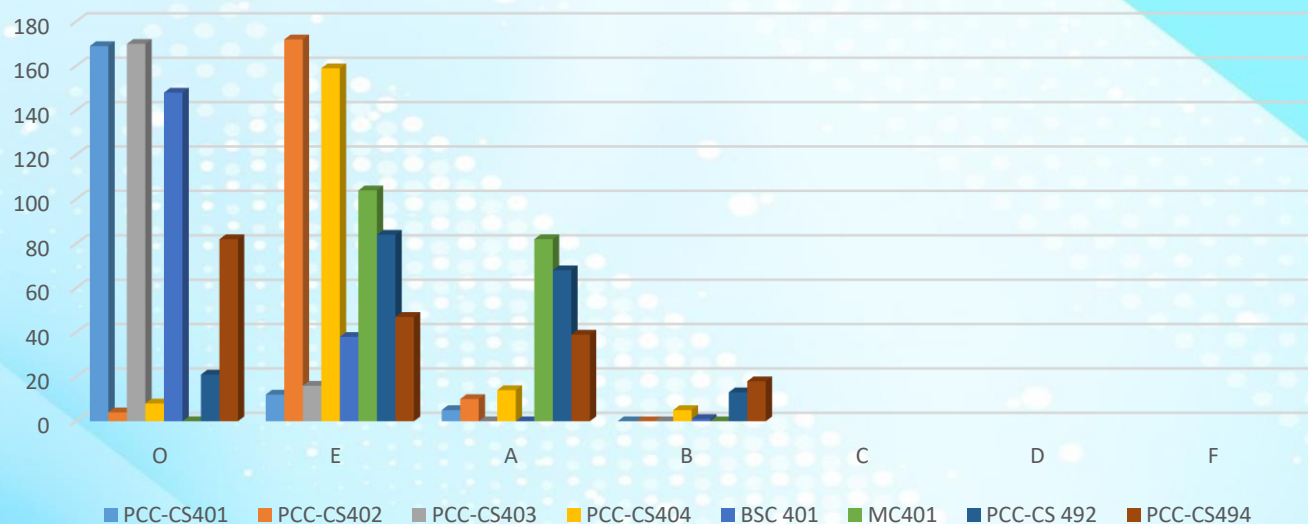
Marks Analysis of 6th Semester Marks for AY 2021-22 of Computer Science and Engineering Department

Legend: PCC-CS601, PCC-CS602, PEC-IT601B, PEC-IT602B, OEC-IT601A, PROJ-CS601, PCC-CS691, PCC-CS692

ANNUAL REPORT 2021-22

Department of CSE

4ᵀᴴ Year
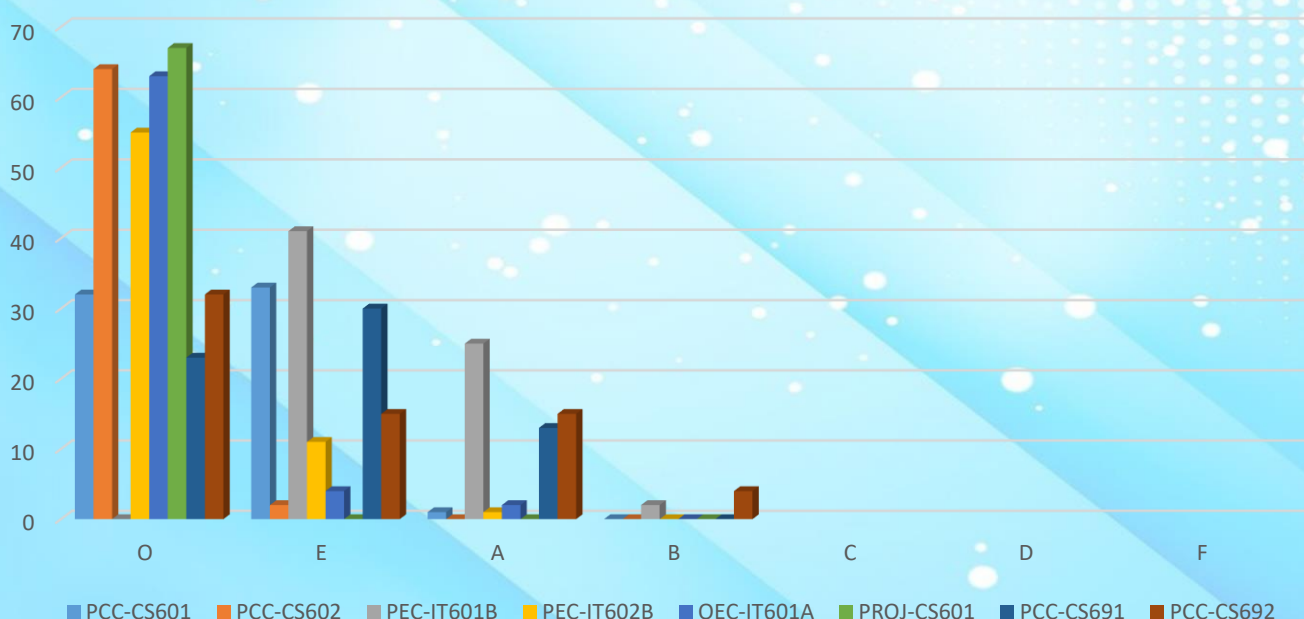
Marks Analysis of 8th Semester Marks for AY 2021-22 of
Computer Science and Engineering Department
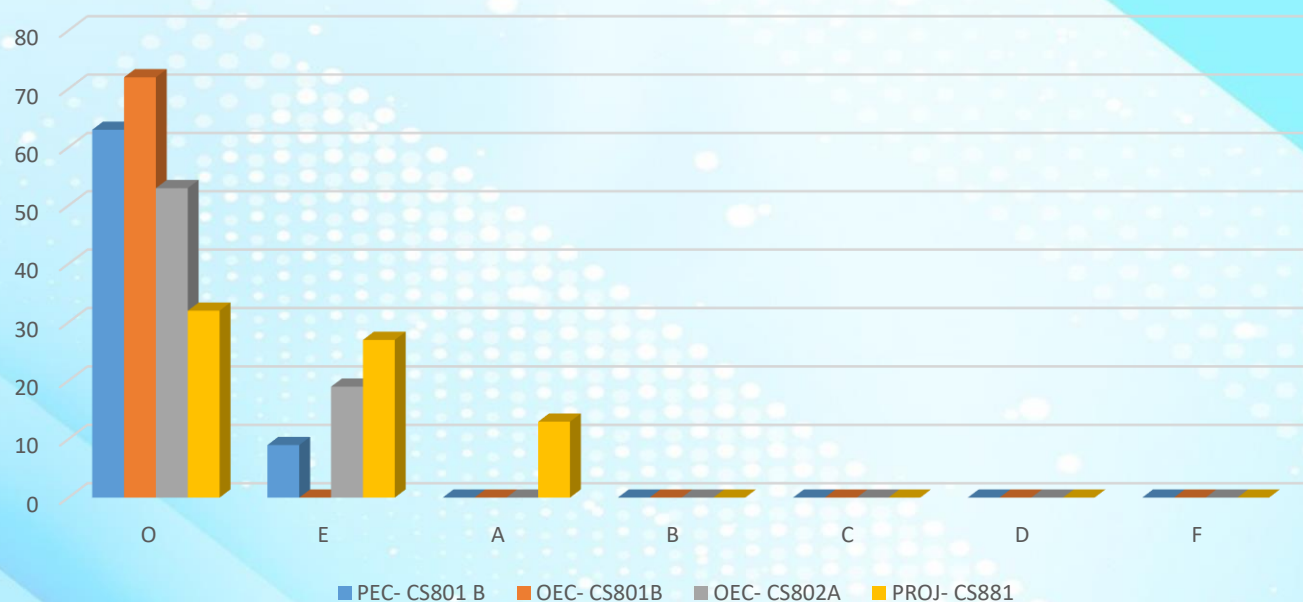
Legend: ■ PEC- CS801 B ■ OEC- CS801B ■ OEC- CS802A ■ PROJ- CS881

ANNUAL REPORT 2021-22

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 2021-22

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.

ANNUAL REPORT 2021-22

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.

ANNUAL REPORT 2021-22

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.

ANNUAL REPORT 2021-22

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 the science and technology field.

Every year the successful students are placed in different upcoming domains such as modern telecommunication engineering, Nanotechnology, 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 pursuing their regular degrees.

Department of Electronics and Communication Engineering

HOD Message

Dear colleagues and students,

Being the Head of the Department of Electronics and Communication Engineering (ECE), of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex. I am delighted to express my thoughts about the departmental growth. It offers a four year full time B-TECH program in ECE. The average passing result is excellent in the department. Almost 10-12% of students scored above 9 DGPA. Apart from this we are running P.G. Programs, M-TECH. in Electronics & Comm. Engg. Since 2013 The department of ECE offers premier professional technical training that keeps in pace with the latest developments in the field of Electronics and Communication Engineering. We have excellent infrastructure, highly experienced faculties and professionals, associated with research work which collectively ensure a dynamic and vibrant environment in the campus. Some of the Faculty members of this department went to attend International Conferences abroad.

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Department of Electronics and Communication Engineering

The department has organized International & National Educational Programs Seminars, Workshops, Faculty Development Programs and Industrial tours). Events like Poster presentation, Technical Quiz contest, Chess completion and Table tennis competition are organized for the students by the department. There are more than 50 publications are done by the faculty & students in National & International Journals & Conferences Seven national patents are published by our faculty and staff members, . Many of our Alumni are settled in abroad and also many of the students are placed in so many reputed Govt sectors and Private Sectors Company and Research Organizations. There is also separate Departmental Library apart from the Central Library in the ECE department. There are many high valued simulation software are present in our department like Tanner SPICE, CADENCE, Matlab 2019b, Visual TCAD, HFSS, Qualnet, Active HDL, MPLS, Altera & Quartus II, TMS Kit with Code Composer Studio etc

Dr. Abhigyan Ganguly

HOD, Department of Electronics and Communication Engineering

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Department of Electronics and Communication Engineering

ECE DEPARTMENTAL NEWS AT A GLANCE

Students' Achievement

1. Aman Sah, Shahid Parvez, Aman Kumar, Rohit Modak, Ananya Banerjee, Design and Implementation of a Low-Cost Ultrasonic Radar System using an Arduino Microcontroller, Proceedings of National Conference in Sustainable Engineering (ISBN: 978-93-89817-88-1), 2022.

2. Chiranjit Das, Ankush Sharma, Debasmita Manna, Dry Handwashing machine by Fig Disinfection, Proceedings of National Conference in Sustainable Engineering (ISBN: 978-93-89817-88-1), p.26, 2022.

3. Sumit Saha, Samit Karmakar, Debasmita Manna, Analysis of Railroad Track Crack Detection using Computer Vision, International Conference On Interdisciplinary Research in Technology & Management (IRTM 2022), DOI: 10.1109/IRTM54583.2022.9791808. [SCOPUS]

4. Swarnava Kundu, Anirbit Sengupta, D. Chakraborty, M. Bairagi, S. Dasgupta, An Intensive Overview on Contemporary Cyber attacks and security model. International Mediterranean Scientific Research And Innovation Congress, ISBN: 978-625-8323-98-6, 2022. Feburary 2022, Turky.

5. Stuti Dey, Abhigyan Ganguly, Swarnabha Kundu, Anirbit Sengupta, Design Of In System Programming Application For Microcontroller Using Rs232 Protocol, International Mediterranean Scientific Research And Innovation Congress, ISBN: 978-625-8323-98-6, 2022, Feburary 2022, Turky

6. Ankush Sharma, Chiranjit Das, Debasmita Manna. Solar Bag, Proceedings of Advanced Analytical and Computational Electronics, p. 40.

7. T. Dey, K. Dhara, V. Sinha, T. Mitra, B. Dobe, Smart Health Monitoring System using IoT, Proceedings of Conference on New Age Electronics and Technology, 2-3 rd April 2022.

8. Manish Parbat, Anirbit Sengupta, Saradindu Panda, IoSLT- Internet of Smart Lighting Things, L-111767/2022, 2022. [IPR]

Department of Electronics and Communication Engineering

ECE DEPARTMENTAL NEWS AT A GLANCE

Faculty Achievement

Journals:

Name of the faculty	Title of the Paper	Name of the Journal	Google Scholar h-Index	Whether Elsevier / Web of Science	Impact factor	Indexed in Scopus/ Thompsons & Reuters	Date/ Month of Publication	Link of the journal in Scopus/Thompsons & Reuters index
Dr. Abhigyan Ganguly (Primary Author)	Copper Ion Irradiated SnO_2 Quantum Dots for Higher Electroluminescence in Nano Light Emitting Device	IEEE Sensors Letters (Vol.6, Issue: 10)	5	Web of Science	-	Scopus/ ESCI	Sept. 2022.	DOI: 10.1109/LSENS.2022.3210107
Dr. Abhigyan Ganguly (Primary Author)	Swift Heavy ion Irradiated SnO2 Quantum Dot based Light Emitting device	Optoelec. And Adv. Mat.-Rapid Communications (Vol.15, N0-3-4)	5	Web of Science	0.556	SCIE/ Scopus	Nov-Dec 2022	https://oam-rc.inoe.ro/articles/copper-doped-zns-quantum-dot-as-sensitizer-in-solar-cell/

Conferences:

Name of the faculty	Title of the Paper	Name of the Conference	National/ International	Date/ Month	Hosting Institute
Dr. Abhigyan Ganguly (Primary Author)	IR-LED using Electroluminisecence in PbS quantum dots	ISDCS 2022	International	29-31 March 2022	IIEST Shibpur, Kolkata
Annanya Banerjee (Main Supervisor)	Smart Device and Mobile Application For Remote Health Monitoring and Alarming	ISDCS 2022	International	29-31 March 2022	IIEST Shibpur, Kolkata

Department of Electronics and Communication Engineering

ECE DEPARTMENTAL NEWS AT A GLANCE

Faculty Achievement

Book Chapters and Magazines:

Name of the faculty	Type of Publication (Book Chapter/ Magazine)	Title of the Paper	Name of the Book/ Magazine	Impact factor	Indexed in Scopus/ Thompsons & Reuters	Date/ Month	ISBN No.
Dr. Abhigyan Ganguly (Primary Author)	Book Chapter	Nano-Material Based Sensitized Solar Cells	LNEE Springer (vol 850, pp 129-146)	-	Scopus	Jan. 2022	978-981-16-9124-9
Dr. Abhigyan Ganguly (Primary Author)	Book Chapter	IR-LED using Electroluminisecence in PbS quantum dots	LNEE Springer	-	Scopus	Accepted	
Dr. Sangeeta Jana Mukhopadhyay (Primary Author)	Book Chapter	Noise Performance of IMPATT Diode Oscillator at Different mm-wave Frequencies	Millimeter-wave,Infrared and Terahertz Technologies Springer, (LNEE volume 953, pp 101-109)	-	Scopus	Published	978-981-19-6301-8
Dr. Sangeeta Jana Mukhopadhyay (Co-Author)	Book Chapter	Trends and Challenges in VLSI fabrication Technology	Semiconductor: Materials, Devices and Circuits by CRC Press, Taylor & Francis	-	Scopus	Published	97810033113 79

Copyrights:

ROC Number	Work Title	Class of Work	Submitted By	Submitted On	Status	Work Status
L-113707/2022	Assessment of Rainfall and Temperature Variability on Maize Production In Rajasthan State	Literary/ Dramatic	Anirbit Sengupta	27/01/2022	Registered	Submitted
L-111767/2022	IoSLT- Internet of Smart Lighting Things	Literary/ Dramatic	Anirbit Sengupta	18/11/2021	Registered	Submitted

Department of Electronics and Communication Engineering

ECE DEPARTMENTAL NEWS AT A GLANCE

Faculty Achievement

Patents:

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant /s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number
1	202211103 0649	Published	Anirbit Sengupta	"AI- Driven Automated Disinfection Vechile System Based on Machine Learning and Swarm Intelligence "	Anirbit Sengupta	28/05/2022	03/062022	22/2022
2	364978-001	Published	Anirbit Sengupta	"Lightweight Payload Battery Driven Vehicle"	Anirbit Sengupta	29/05/2022	29/07/2022	
3	202241042430	Published	Abhigyan Ganguly	"'AN INTELLIGENT SYSTEM AND A METHOD FOR MONITORING LAUNDRY MACHINE OPERATIONS USING MACHINE LEARNING FOR ANALYSIS OF ACOUSTIC TRANSDUCER SIGNAL INFORMATION"	Abhigyan Ganguly	25/07/2022	29/07/2022	30/2022
5	202231062750	Published	Somnath DasGupta	DEVELOPMENT OF A SMART VEHICLE HORN MANAGEMENT SYSTEM BASED ON ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FOR NOISE POLLUTION CONTROL	Somnath DasGupta	3/11/2022	9/20/2022	
7	202022210425	Granted	Anirbit Sengupta	Artificial Intelligence Based Digital credit System and personalized Assistance (German Utility Patent)	Anirbit Sengupta	22.07.2022		202022104243
8	202231053151	Published	Anirbit Sengupta, Dr. Shefalika Ghosh Samaddar et.al	Wearable Gardening Assistive Device	Anirbit Sengupta, Dr. Shefalika Ghosh Samaddar et.al	16.09.2022		38/2022
9	202231053152	Published	Anirbit Sengupta, Mr. Amitava Halder et.al.	Hand Exercising Device	Anirbit Sengupta, Mr. Amitava Halder et.al.	16.09.2022		38/2022
10	202241054495	Published	Anirbit Sengupta	A Smart management System for controlling Medical robot beds for preventing bedsores using AI and ML	Anirbit Sengupta	16.09.2022		39/2022
11	202211070120	Published	Anirbit Sengupta	DEVELOPMENT OF THE INTELLIGENT SYSTEM AND METHOD FOR WORKING CAPITAL FINANCIAL MANAGEMENT PLAN FOR E-COMMERCE SITES USING MACHINE LEARNING APPROACH	Anirbit Sengupta	16.09.2022		202211070120

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Department of Electronics and Communication Engineering

Result Analysis 2021-22

Department of Electronics and Communication Engineering

3rd Year

ECE 3rd Year

4th Year

ECE 4th Year

ANNUAL REPORT 2021-22

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Department of Electrical Engineering

ANNUAL REPORT 2021-22

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.

Department of Electrical Engineering

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.

ANNUAL REPORT 2021-22

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.

ANNUAL REPORT 2021-22

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

ANNUAL REPORT 2021-22

Department of Electrical Engineering

DEPARTMENTAL NEWS AT A GLANCE

Department of Electrical Engineering organized the following events:

- Farewell Adieu Seniors 2021 of EE 2021 Batch on 2nd July 2021

- Sustainability in Electrical Engineering on 16th July 2021

- A webinar on practical applications of MATLAB in Electrical Engineering on 25th September 2021

- Machine Learning using Python on 9th November 2021

- Webinar on AUTOCAD on 18th February 2022

- Webinar on PLC on 19th April 2022

- A debate competition on-Conservation and Development cannot go hand in hand on 22nd April 2022

- An Engineer's Perspective on the World's Earth Day on 30th April 2022

- "BON VOYAGE", A Farewell to EE 2018-22 batch on 17th June 2022

- The Department of Electrical Engineering of Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex has signed an MoU with "Nikhil Bharat Shiksha Parisad" on 20th June 2022

Department of Electrical Engineering

Departmental achievements

Student's achievements :

Tathagata Bose, Amit Sharma, Urmimala Chatterjee ,Alankita Acharjee got JIS SAMMAN-2022 award for BEST PROJECT.

Department of Electrical Engineering

Departmental achievements

Faculty's achievements :

Anirban Chowdhury	COURSERA Course on Introduction to Power Electronics
Anirban Chowdhury	ATAL FDP on Hybrid Electric Vehicles
Anirban Chowdhury	ATAL FDP on Hybrid Electric Vehicles
Prathita Roy	COURSERA course on Electric Power Systems
Prathita Roy	ATAL FDP on Recent Advances in Control Systems-2021
Rumrum Banerjee	COURSERA course on Introduction to programming with MATLAB
Rumrum Banerjee	ATAL FDP on Recent Advances in Control Systems-2021
Dr. Sudipta Acharya	ATAL FDP on "Introduction to Speech Processing and its Applications using AI-ML
	(ISPA)-2021" from 25/10/2021 to 29/10/2021 at Centre for Development of Advanced Computing, Kolkata.
Prathita Roy	Man of the match at Quarter Final in JIS SAMMAN 2022, Faculty & Staff Cricket-
Prathita Roy	Man of the match at Semi Final in JIS SAMMAN 2022, Faculty & Staff Cricket
Prathita Roy	Best Wicket Keeper of the tournament in JIS SAMMAN 2022,Faculty & Staff Cricket-

Department of Electrical Engineering

Departmental achievements

Faculty Publications :

Chowdhury, R. Roy and K. K. Mandal, "Techno-Socio-Economic Improvements by PV based DG & BESS Integration in Radial Distribution Networks using CSA," 2021 International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), Bhilai, India, 2021, pp. 1-5, doi: 10.1109/ICAECT49130.2021.9392520.

A. Chowdhury, R. Roy and K. K. Mandal, "Techno-socio-economic improvements due to optimal location of EV charging station at IEEE 22 bus using Cuckoo Search Algorithm," 2022 22nd National Power Systems Conference (NPSC), New Delhi, India, 2022, pp. 77-81, doi: 10.1109/NPSC57038.2022.10069267.

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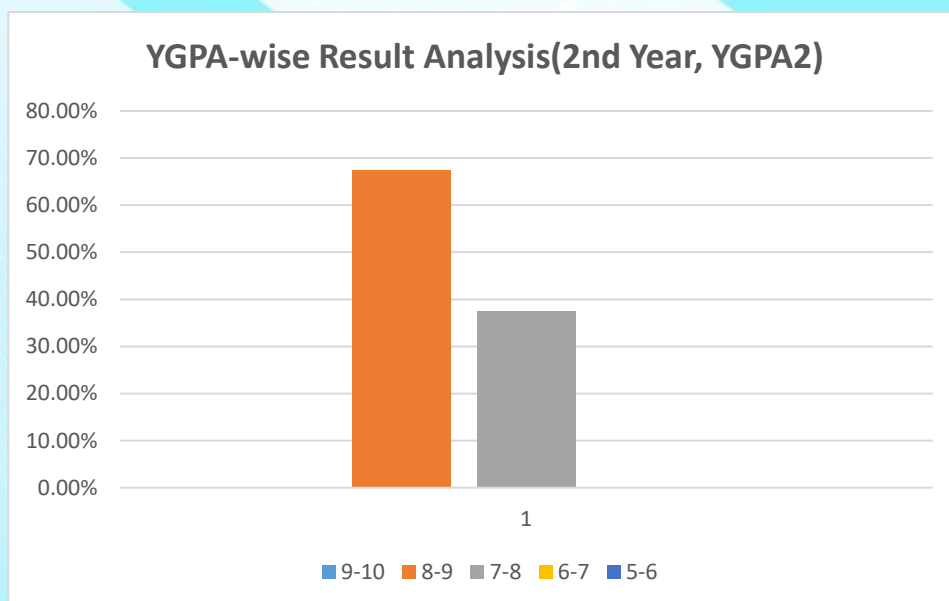**Affiliated to Maulana Abul Kalam Azad University of Technology West Bengal, WBSCTVESD and Approved by AICTE**

Department of Electrical Engineering

Result Analysis 2021-22

Department of Electrical Engineering

2nd Year
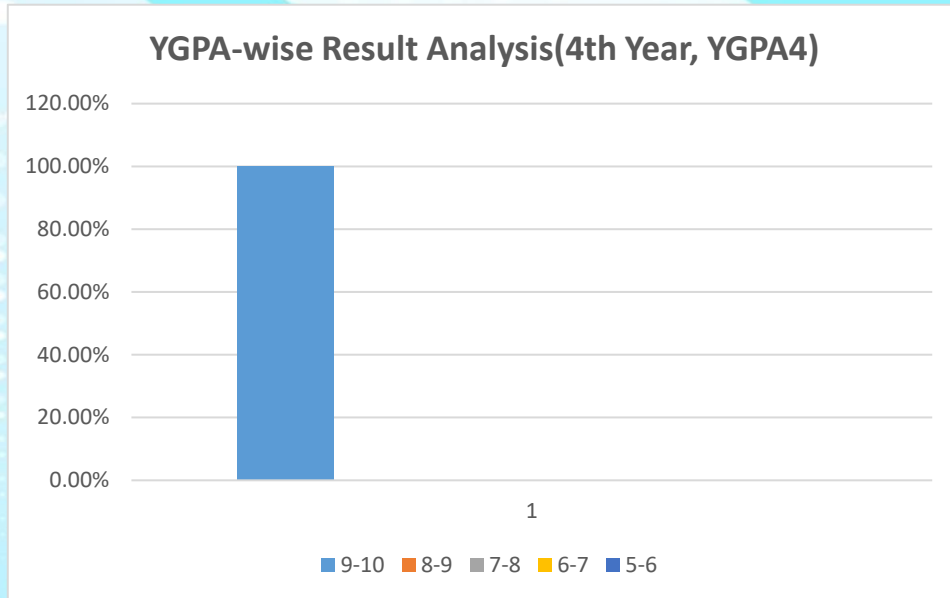
YGPA-wise Result Analysis(2nd Year, YGPA2)

Legend: 9-10, 8-9, 7-8, 6-7, 5-6

3rd Year

YGPA-wise Result Analysis(3rd Year, YGPA3)

Legend: 9-10, 8-9, 7-8, 6-7, 5-6

ANNUAL REPORT 2021-22

Department of Electrical Engineering

4ᵗʰ Year

YGPA-wise Result Analysis(4th Year, YGPA4)

■ 9-10 ■ 8-9 ■ 7-8 ■ 6-7 ■ 5-6

ANNUAL REPORT 2021-22

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Department of Mechanical Engineering

ANNUAL REPORT 2021-22

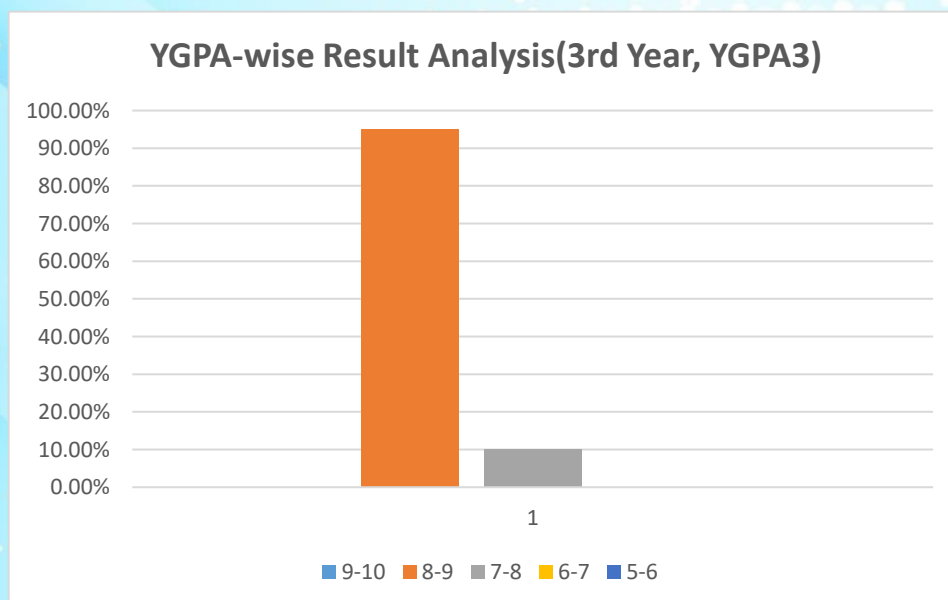# Department of Mechanical Engineering

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.

Department of Mechanical 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 Mechanical Engineering

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.

Department of Mechanical Engineering

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 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

It gives me immense pleasure to thank Respected Principal Sir for giving us a desk in the Newsletter of ME Department. I welcome all of you to the Department of Mechanical Engineering. Our college is one of the best engineering colleges in eastern India. The Department of Mechanical Engineering is working very hard towards the goal of providing innovative and quality education with high standards to achieve academic excellence in the field of engineering and to provide the highly skilled mechanical engineers in the service of Nation. The prime motive of our Department is to provide quality education to our students. The process of learning is extremely important in life. What you learn, how you learn and where you learn play a crucial role in developing one's intellectual capability, besides career. The excellent infrastructure and teaching faculties of the best kind ensures quality education. We encourage and promote interaction among students, parents and staff, along with a Training and Placement Cell for necessary guidance and feedback so that we can constantly grow and improve in fulfilling our motto. The hands-on workshops, industrial visits, seminars/webinars by reputed academic/industrial expertise and industry oriented beyond the curriculum training are also provided to the students to help them grow and get industry ready.

Dr. Sujoy Saha

HOD, Department of Mechanical Engineering

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

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Department of Mechanical Engineering

MECHANICAL DEPARTMENTAL NEWS AT A GLANCE

Er. Adv. Kaushik Sengupta was invited as an speaker for a seminar on "Career opportunities and entrepreneurship".

A 5-day FDP was organized by Department of Mechanical Engineering on the topic "Research Trends in Science & Technology".

Department of Mechanical Engineering signed a Memorandum of Understanding (M.O.U) with Sikharthy Info-tech Private Limited on 7th December 2021.

Department of Mechanical Engineering organized a Digital Parent-Teacher Meeting on 29th November, 2021 from 4.00 pm onwards for the Students of 2nd Year, 3rd Year & 4th year Students in the Google meet platform.

Department of Mechanical Engineering organized a photography competition "Monochrome" on 10th December, 2021.

Department of Mechanical Engineering celebrated "Netaji Jayanti" on 23rd January, 2022.

Department of Mechanical Engineering conducted a Inter-Departmental quiz competition "Mech-A-Maniac" on 22th July, 2022.

Department of Mechanical Engineering organized a "2-DAY WORKSHOP ON 3D PRINTING" from 12.05.2022 to 13.05.2022.

Department of Mechanical Engineering organized a Seminar on "Research, Project & Internship Opportunities in Mechanical Engineering" on 06.01.2022.

ANNUAL REPORT 2021-22

Department of Mechanical Engineering

MECHANICAL DEPARTMENTAL NEWS AT A GLANCE

Department of Mechanical Engineering organized a seminar on "Brief on Thermal Power Plant; An Industrial Perspective" on 13.11.2021.

Department of Mechanical Engineering organized a a Online Technical free Workshop by Sikharthy Infotech 23.07.2021.

Department of Mechanical Engineering celebrated "World Health Day" on 07.04.2022.

Department of Mechanical Engineering organized a Seminar on "Manufacturing of Waste Heat Recovery Boilers" on 28.02.2022.

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Department of Mechanical Engineering

MECHANICAL DEPARTMENTAL NEWS AT A GLANCE

Student's achievements :

Student of the Department of Mechanical Engineering has developed an AUTOMATIC TEMPERATURE SENSING AND SANITIZER DISPENSER which can be placed at the entry of any gate. This was done as a student project from the 2nd year. The team leader of the project was Anurag Shaw.

Students of the Department of Mechanical Engineering completed their summer training (duration ranges from four to six weeks) from MSME Tool Room, Kolkata and Mukesh Hyundai.

The department of mechanical engineering had organised an industrial visit for our 3rd and 4th year students at Bureau of Indian Standards (BIS) laboratory, Kakurgachi. Students were accompanied by departmental faculty Mr. Subhendu Pal and Technical Assistant Mr. Tanmoy Das.

Subhodeep Paul, student of 2023 passout batch, presented a paper in IMERE-2021 under the guidance of Dr. Ruma Sen, Assistant Professor of Department of Mechanicall Engineering.

Pallab Saha, student of 2022 passout batch, presented a paper in IS3DPT 4.0-2021 under the guidance of Dr. Ruma Sen, Assistant Professor of Department of Mechanicall Engineering.

Department of Mechanical Engineering

Departmental achievements

Faculty's achievements :

Mr. Subhendu Pal Completed course offered through Coursera on "The Finite Element Method for Problems in Physics".

Mr. Subhasish Halder Completed course offered through Coursera on "Material Processing".

Dr. Ruma Sen Completed course offered through Coursera on "Advanced Manufacturing Process Analysis".

Mrs. Arpita Chatterjee Completed course offered through Coursera on "Advanced Manufacturing Process Analysis".

Mr. Subhasish Halder Completed NPTEL Online Certification on "Fundamentals of Manufacturing Processes".

Mr. Subhendu Pal attended a technical Conference organized by "American Society of Mechanical Engineers" and presented two papers.

Mr. Subhendu Pal attended in 5-day Faculty Development Program on "A PROSPECTIVE ROAD MAP TO THE ACADEMICIANS" from 03/01/2022 to 07/01/2022 at ATAL online platform.

Mr. Subhendu Pal attended in 5-day Faculty Development Program "Outcome Based Learning" from 11/01/2022 to 15/01/2022 at ATAL online platform.

Mrs. Anupama Kumar attended a One week Short Term training on Fusion Welding Processes, organised by NITTTR Kolkata, from 10 th January to 14 th January 2022.

Mr. Tanmoy Das attended a One week Short Term training on Fusion Welding Processes, organised by NITTTR Kolkata, from 10th January to 14th January 2022.

Mr. Jit majumder attended a One week Short Term training on Fusion Welding Processes, organised by NITTTR Kolkata, from 10th January to 14th January 2022.

Mr. Subhendu Pal authored a book chapter presented at joint conference of ICTACEM 2021, APCATS 2021,AJSAE 2021 titled "A Study on Vibration Characteristics of Cantilever Conical Shell Made of FG Sandwich Material with Porosity and Thermal Effect".

Department of Mechanical Engineering

Departmental achievements

Faculty's achievements :

Mr. Subhendu Pal organised a 5-day Beyond Syllabus training on Air Conditioning and Refrigeration from 21/03/2022-25/03/2022.

Mrs. Arpita Chatterjee Completed FDP on Artificial intelligence in industry 4.0, Feb 2022.

Mrs. Arpita Chatterjee Received Jis Samman 2021 for highest number of publication in department level.

Department of Mechanical Engineering

Departmental achievements

Faculty Publications :

Kundu S, Choudhuri B, Sen R. CNC Machinability study of AISI 316L & Optimization of Machining parameters using TLBO algorithm. Materials Today: Proceedings. 2022 Jan 1;62:1218-25.

Sen R, Paul S. Investigation on wire electrical discharge machining of AISI 304 stainless steel. Materials Today: Proceedings. 2022 Jan 1;62:1210-4.

Choudhuri B, Sen R. Optimization of WEDM parameters for Machining Inconel 800 by ANN based Bayesian hybrid algorithm. Materials Today: Proceedings. 2022 Jan 1;62:1098-101.

Das, A., Pal, S., Ziyi, S., Rout, M., Inaba, K., & Karmakar, A. (2021, December). Natural Frequency and Resonance Study of FGM Turbo-Machinery Blade Using Campbell Diagram. In Gas Turbine India Conference (Vol. 85536, p. V001T10A009). American Society of Mechanical Engineers..

Das, A., Pal, S., Agarwal, G., Inaba, K., Deb Singha, T., & Karmakar, A. (2021, December). A study on low velocity impact behaviour of functionally graded sandwich conical shell under thermal environment. In Gas Turbine India Conference (Vol. 85536, p. V001T10A001). American Society of Mechanical Engineers.

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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Department of Mechanical Engineering
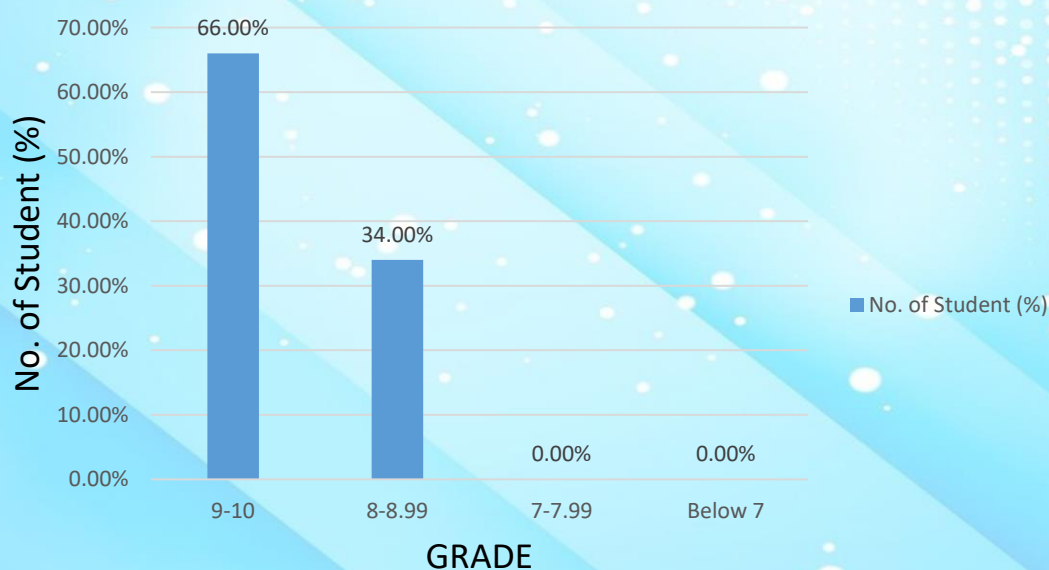
Result Analysis 2021-22

Department of Mechanical Engineering

Result Analysis
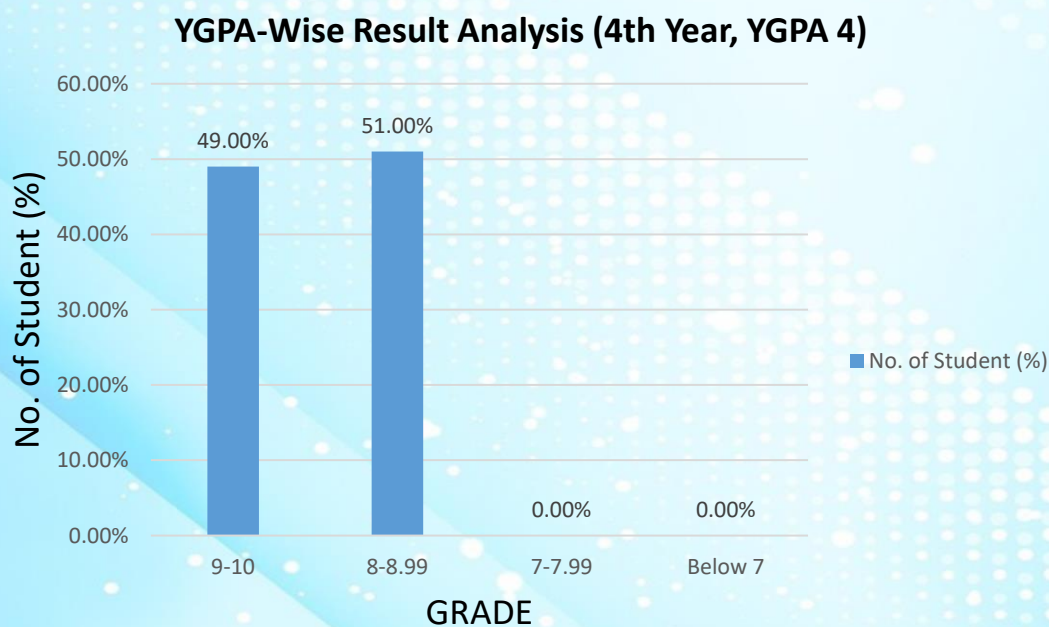
YGPA-Wise Result Analysis (2nd Year, YGPA 2)

YGPA-Wise Result Analysis (3rd Year, YGPA 3)

Department of Mechanical Engineering

Result Analysis

YGPA-Wise Result Analysis (4th Year, YGPA 4)

Bar chart showing No. of Student (%) on the Y-axis versus GRADE on the X-axis:
- 9-10: 49.00%
- 8-8.99: 51.00%
- 7-7.99: 0.00%
- Below 7: 0.00%

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Research & Publications
2021-22

Sponsored Project

Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
GreenBot: Timely Agricultural Information Dissemination in a village at open Indo-Bangladesh border (high security zone without Internet facility) for Monitoring and Execution for High Yielding regular Crops	Mrs. Rinku Supakar	Computer Science Engineering	2021-22	100000.00	0.5 Year	UNNAT BHARAT ABHIYAN (UBA)	Government
Determination of Ground Water recharge by measuring annual rainfall in the Suburban area of Basirhat, North 24 Parganas	Mr. Souvik Chakraborty	Civil Engineering	2021-22	85000.00	02 Years	AQUA TECH ENGINEERS	Non-government

Patent filed

➤IPR FILED/PUBLISHED/GRANT

SL.NO	APPLICATION NUMBER	JOURNAL NO.	TITLE OF THE PATENT	INVENTORS' NAME	DATE OF FILED	DATE OF PUBLISHED	STATUS
1.	202211030649	22/2022	AI-Driven Automated Disinfection Vehicle System Based On Machine Learning and SARM Intelligence	Anirbit Sengupta	28/05/2022	03/06/2022	Published
2.	202231014363	15/2022	Concrete Surface Smoothening Device	Dr. Saradindu Panda	16/03/2022	15/04/2022	Published
3.	L-105942/2021		HELPHOVER: A Service Provider Management APP	Anirbit Sengupta	29/07/2021		Filed
4.	L-105757/2021		Design and Development of In System (ISP) for NXP Microcontroller Using RS 232 Protocol	Anirbit Sengupta	26/07/2021		Filed
5.	L-104955/2021		Internet and Biomass Things 10BMT For Sustainable Smart Villages	Anirbit Sengupta	02/07/2021		Filed

Publications

Books and Chapters in edited volumes/Books Published and Papers Published in National/ International Conference Proceedings-2022

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	File Link	Page No
1	Shefalika Ghosh Samaddar	International Conference on Parallel, Distributed and Grid Computing (PDGC) 2022	Machine learning based data classification methods in cloud security using cloud lightning framework	2022	978-1-6654-5401-8	IEEE Xplore	https://doi.org/10.1109/PDGC56933.2022.10053301	978-1-6654-5401-8	1	1-4
2	Shefalika Ghosh Samaddar	International Conference on Computing, Analytics and Networks (ICAN) 2022	Performance evaluation of state dependent queueing based geospatial mist-assisted cloud system for crime data visualisation	2022	978-1-6654-9944-6	IEEE Xplore	https://doi.org/10.1109/ICAN56228.2022.10007265	978-1-6654-9944-6	2	5-7
3	Baibaswata Das	Algorithms for Intelligent Systems	Design and Operation of Drip Irrigation System to Orchard by Using Stored Rain Water Through Solar Photovoltaic Water Pump	2022	978-981-16-6893-7	Springer Singapore	https://link.springer.com/chapter/10.1007/978-981-16-6893-7_19	978-981-16-6893-7	3	8-11
4	Baibaswata Das	Algorithms for Intelligent Systems	Review on High-Performance Concrete by Replacing Conventional Cement with Fly Ash and Silica Fume	2022	978-981-16-6893-7	Springer Singapore	https://link.springer.com/chapter/10.1007/978-981-16-6893-7_23	978-981-16-6893-7	4	12-15
5	Baibaswata Das	Algorithms for Intelligent Systems	Study of Various Methods and Technologies Used in Wastewater Treatment to Control Water Pollution	2022	978-981-16-6893-7	Springer Singapore	https://link.springer.com/chapter/10.1007/978-981-16-6893-7_24	978-981-16-6893-7	5	16-19
6	Souvik Chakraborty	Advances in Green Electronics Technologies in 2023	Analysis of Rainwater Harvesting Method for Supply of Potable Water: A Case Study of Gosaba, South 24 Pargana, India	2022	978-1-80356-835-5	Intech Open	https://www.intechopen.com/chapters/83216	978-1-80356-835-5	6	20-25

Publications

Number of research papers published per teacher in the Journals notified on UGC care list

Sl. No	Title of the Paper	Name of the Author/s	Department of the teacher	Name of the Journal	ISSN number	Link to the article/paper/abstract of the article	Page no.
1	Atrous convolution aided integrated framework for lung nodule segmentation and classification	Amitava Halder	Computer Science and Engineering	Biomedical Signal Processing and Control	1746-8108	https://www.sciencedirect.com/science/article/abs/pii/S1746809422009818	1
2	MM-CCNB: Essential protein prediction using MAX-MIN strategies and compartment of common neighboring approach	Anjan Kumar Payra	Computer Science and Engineering	Computer Methods and Programs in Biomedicine	0169-2607	https://dl.acm.org/doi/abs/10.1016/j.cmpb.2022.107247	2
3	A Framework for Emotion Detection using Open Source Computer Vision and Convolutional Neural Network	Madhusmita Mishra	Computer Science and Engineering	International Journal of Engineering Research and Applications	2248-9622	https://www.ijera.com/papers/vol12no4/Ser-1/D1204012733.pdf	3
4	Performance Assessment of Smart Dynamic Controller for Variable CCT White LED Light Source – A SVM-based Approach	Rinku Supakar	Computer Science and Engineering	Science and Technology Journal	2321-3388	https://doi.org/10.22232/stj.2022.10.02.15	4
5	A deep learning based model using RNN-LSTM for the Detection of Schizophrenia from EEG data	Rinku Supakar	Computer Science and Engineering	Computers in Biology and Medicine	0010-4825	https://www.sciencedirect.com/science/article/abs/pii/S0010482522009337	5
6	Copper Ion Irradiated SnO2 Quantum Dots for Higher Electroluminescence in Nano Light Emitting Device	Abhigyan Ganguly	Electronics and Communication Engineering	IEEE Sensors Letters	2475-1472	https://ieeexplore.ieee.org/document/9904849	6
7	Copper doped ZnS quantum dots as sensitizer in solar cell	Abhigyan Ganguly	Electronics and Communication Engineering	Optoelec. And Adv. Mat.-Rapid Communications	1842-6573	https://oam-rc.inoe.ro/articles/copper-doped-zns-quantum-dot-as-sensitizer-in-solar-cell/	7
8	Covid-Combat: A Sentiment Analysis based SolutionFramework to Derive the Social	Anirbit Sengupta	Electronics and Communication Engineering	NeuroQuantology	1303-5150	https://www.proquest.com/openview/fe27e4c7901963a6793f0a63776c2467/1?pq-origsite=gscholar&cbl=2035897	8
9	An IoT-enabled Agricultural Gadget to Measure Growth of Jackfruit using 2-axis JoyStick	Anirbit Sengupta	Electronics and Communication Engineering	IEEE Instrumentation & Measurement Magazine	1941-0123	https://ieeexplore.ieee.org/document/9759351	9
10	Plasmon induced quantified agglomeration of SiO2 nanoparticles to improve in efficiency in solar cell	Saradindu Panda	Electronics and Communication Engineering	Journal of Ovonic Research	1584-9953	https://www.chalcogen.ro/723_SarkarP.pdf	10
11	Designing PID Controller Using improved Differential-Pole-clustering Approach of Model Order Reduction Techniques	Rumrum Banerjee	Electrical Engineering	Journal of Engineering Rescearch	1885-2307	https://kuwaitjournals.org/jer/index.php/JER/article/view/18499	11

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Committee List 2021-22

Committee List

Board of Governors (BOG)

Sl No.	Name	Particular	Position
1	Dr. SM Chatterjee	Educationist	**Chairman**
2	The Regional Director	AICTE, Eastern Regional Office	Member
3	Mr. ParthaGhosh	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. AmitSrivastava	Managing Director, Hash Technology	Member
13	Dr. AsitGuha, Advisor	JIS Group (Educationist)	Member
14	Dr. BiswabandhuChatterjee	Convener, R&D Cell, DSCSITSC	Member
15	Dr. SushovonSarkar	Professor, Department of CE	Member
16	Ms. Amrita Chadha	Dept. of Administration, DSCSITSC	Member
17	Dr. Saradindu Panda	Principal, DSCSITSC	Member Secretary

Committee List

Academic Council

1	Prof.(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	Mr. Vivek Shaw	BSH	Member Secretary
11	Ms. Amrita Chadha	Admin	Member
All the Heads of Department			
12	Dr. Sushovan Sarkar, HOD	CE	Member
13	Dr. Mallika De, HOD	CSE	Member
14	Dr. Abhigyan Ganguly, HOD	ECE	Member
15	Dr. Sk Tanbir Islam, HOD	AUE	Member
16	Dr. Sayantan Chakraborty, HOD	EE	Member
17	Dr. Sujoy Saha, HOD	ME	Member
18	Dr. Dipankar Das, HOD	BSH	Member
Four Teachers representing different categories			
19	Dr. Sangeeta Jana Mukhopadhyay, Faculty	ECE	Member
20	Ms. Madhusmita Mishra, Faculty	CSE	Member
21	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

Associate Editors:

- Ms. Madhusmita Mishra, Assistant Professor (CSE)

- Ms. Debasmita Manna, Assistant Professor (ECE)

- Ms. Bidisha Dobe, Assistant Professor (ECE)

- Ms. Geetika Kumari Salwan, Assistant Professor (ME)

- Mr. Baibaswata Das , Assistant Professor (CE)

- Mr. Sourav Kumar Singha, Assistant Professor (CE)

- Mr. Arindam Mukherjee, Assistant Professor (AUE)

- Mr. Prathita Roy, Assistant Professor (EE)