



SurTech

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

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

540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074

Phone: +91 22 25603889, 25603898, 65330375

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

Report on Awareness of Trends in Technology Event Organized by Department of Mechanical Engineering of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Title: Workshop on “Business Model Canvas (BMS)”

Speaker: Mr. Surya Narayan Bhandari

About the Speaker: Proprietor of S. N. B. Gears & Engineers

Date: 31st July, 2022

Time: 11.30 am

Mode: Online

No of Participant: 25

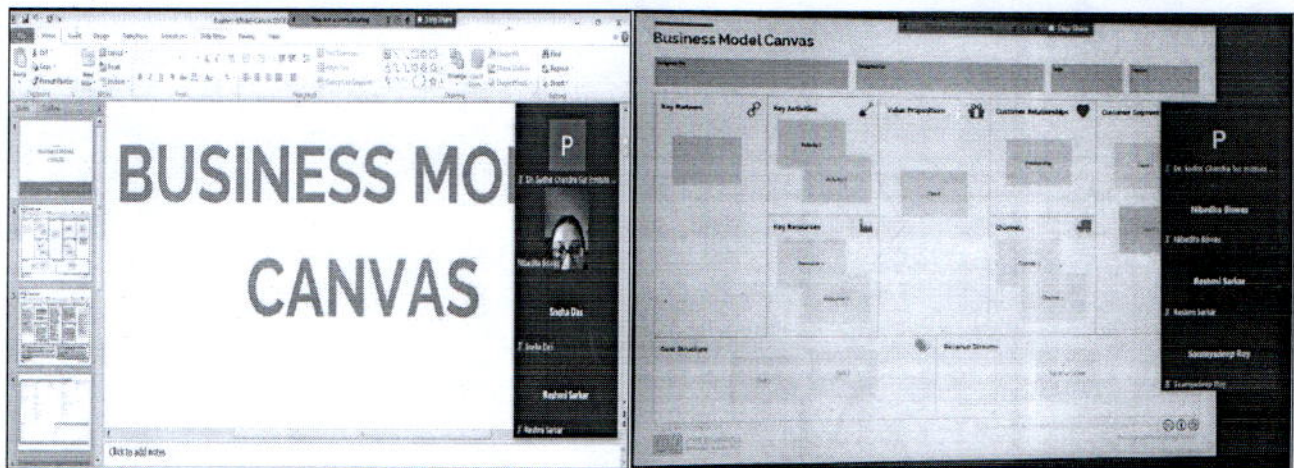
Objective: The aim of this workshop is to provide participants with a comprehensive understanding of the Business Model Canvas (BMC) framework and its application in strategic business planning.

The workshop on Business Model Canvas (BMC) facilitated a transformative learning experience, equipping participants with the knowledge, skills, and confidence to navigate complex business challenges and unlock new opportunities for growth and success.

Outcome: The following were the Key outcome of the Workshop –

- Comprehensive Understanding of BMC
- Strategic Thinking and Analysis
- Empowerment for Innovation
- Collaborative Learning Environment
- Actionable Insights for Business Improvement

Few glimpses of the workshop



Workshop on “Business Model Canvas (BMS)” 31st July, 2022



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Report on Awareness of trends in technology

Organised by

Department of Electrical Engineering of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Title: One-day workshop on PLC

Speaker: Mr. Soumyadip Sarkar

About the Speaker: Senior Faculty, Ardent Computech Pvt. Ltd.

Date: 16/09/2022

Time: 02:00pm

Venue: Room No. 322

No of Participants: 31

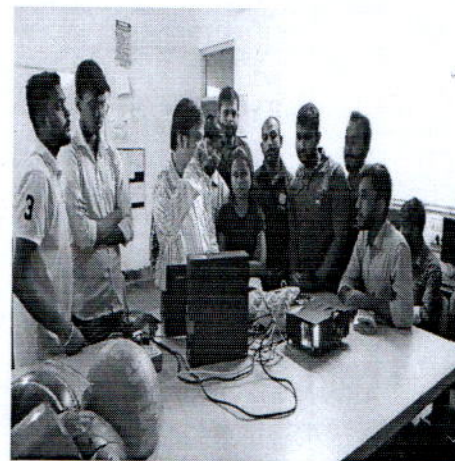
Objective: To get acquainted with industrial process control techniques using PLC

Department of Electrical Engineering of Dr Sudhir Chandra Sur Institute of Technology and Sports Complex has organized an “One-day workshop on PLC” based on Awareness of trends in technology in association with Ardent Computech Pvt Ltd. on 16th September, 2022.

Outcome of the Event: The following were the key highlights of the session:

- Introduction to PLC & PLC Wiring Diagram, PLC Addressing & Relay Logic vs Ladder Logic, Simulation of basic digital logic gates, Simulation of combinational circuit, Simulation of sequential circuit, Simulation of PLC Timer ,Simulation of PLC Counter ,Simulation of Mathematical block.

Few glimpses of the event



One-day workshop on PLC on 16th September , 2022



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Report on Awareness of trends in technology

Organised by

CSE Dept. of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Title: A Seminar on "MatLab Programming and its application

Speaker: Mr. P Satvaya ,

About the Speaker: Director, SISED, Jadavpur University

Date and Time: 22/9/2022, 10.30am

Venue: Room No: 220

Number of Participants: 65

Objective: The aim of this seminar is to inspire and develop skill sets of Matlab.

The Department of CSE of DSCSITSC conducted a seminar on "MatLab Programming and its application" on 22-09-2022 at 11 AM for the students of Dept. of CSE. The seminar was commenced by Industry Expert Mr. P Satvaya, Director, SISED, Jadavpur University. Students form 3rd participated in the seminar with great enthusiasm and asked lots of questions to the expert like the ambiance and current scenario of the core industries especially at this critical situation in Kolkata.

The students were very satisfied and happy to attend the seminar.

Outcome: Students are able to understand the concept of MATLAB and different MATLAB toolboxes along with their applications.

In this event student gather knowledge about aspects of MALLAB and their application in real life problems.



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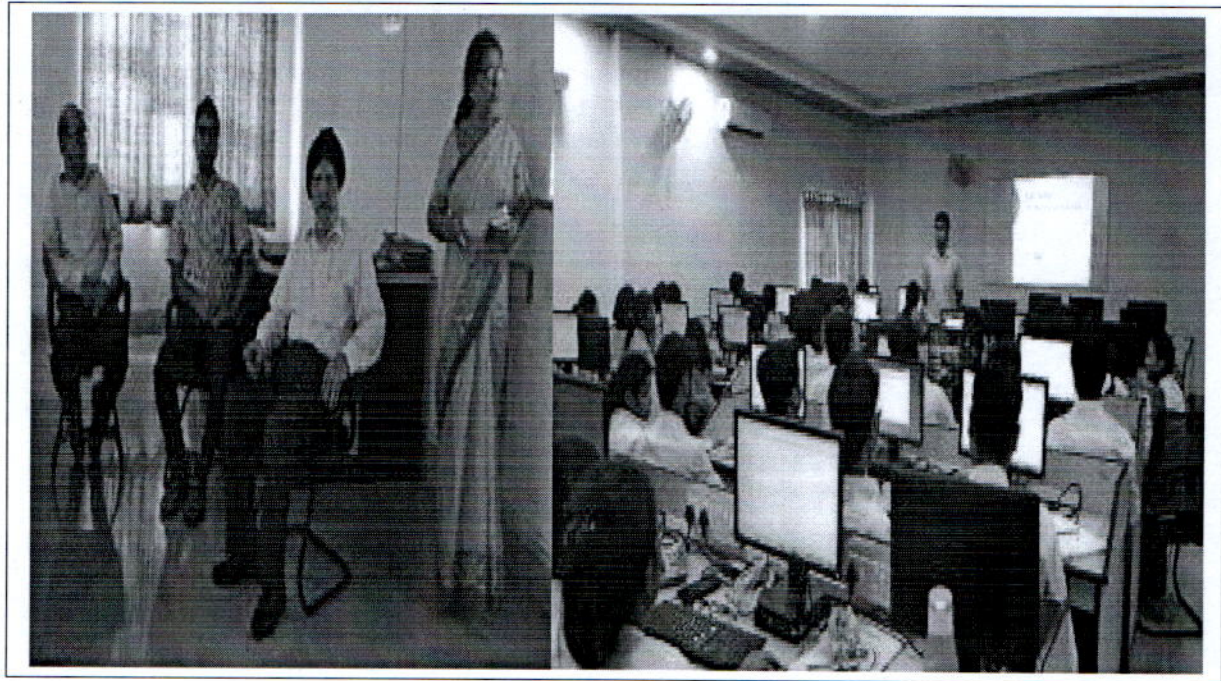
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Some of the glimpses of above seminar are attached herewith for your kind reference



A seminar on MATLAB Programming and its application on 22/09/2022



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Report on Awareness of Trends in Technology

Organized by Department of Civil Engineering of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

Title: One-day workshop on “Computing skill of Treatment of Domestic Wastewater for Sustainable Development with MODFLOW”

Speaker: Mr. Anjishnu Biswas

About the Speaker: Research Scholar (Environmental Engineering), Department of Civil Engineering, IIT Guwahati

Date and Time: 23/09/2022, 11.00 AM Onwards

Mode: Online

Number of Participants: 60

Objective: The aim of this workshop is to inspire and develop skill sets of PRIMAVERA Software in modern Automation and applications of the software.

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex is glad to announce that Civil Engineering Department has organized a 1-day workshop on “Computing skill of Treatment of Domestic Wastewater for Sustainable Development with MODFLOW” for the students on 30.09.2022.

Outcome: The following were the Key outcome of the Workshop –

- Introduction to MODFLOW Software
- Application of MODFLOW Software in waste water treatment
- Viability of the MODFLOW Software in recent field of domestic water treatment

There was a total of 60 participants including the faculty members and students of 2nd, 3rd and 4th Year of Dept. of CE. The students have shown great enthusiasm during the workshop.

The Workshop was concluded by a very interactive Q&A session where different application of MODFLOW software was discussed.

Few glimpses of the workshop-



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Anjishnu Biswas is presenting

Constructed Wetland & Decentralised Wastewater Treatment (DWWT)

- ❖ Small, individual, cluster or community based treatment facility.
- ❖ CW: most effective and eco friendly technology, can serve as an effective decentralized Wastewater treatment tool (e.g. Brazil, China, USA).
- ❖ Pollutant removal mechanisms: microbial decomposition, filtration, adsorption, etc.

ABIOTIC PROCESSES

- (1) Sedimentation
- (2) Hydrolysis
- (3) Photolysis
- (4) Sorption
- (5) Oxidation

BIOTIC PROCESSES

- (6) Biotransformation
- (7) Plant uptake
- (8) Phytotransformation

11:16 AM | Treatment of Domestic Wastewater for Su...

One-day workshop on Computing skill of Treatment of Domestic Wastewater for Sustainable Development with MODFLOW on 23.09.2022 from 11.00AM onwards



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Report on Awareness of trends in technology

Organised by

Department of Electronics And Communication Engineering of Dr. Sudhir Chandra Sur Institute of Technology And Sports Complex

Title: Seminar on "*Mind Controlled Robot*"

Speaker: Prof.(Dr.) Amit Konar, Professor, ETCE Dept, Jadavpur University

Venue: Room number - 220

Date and Time: 24/04/2023, 11a.m. onwards

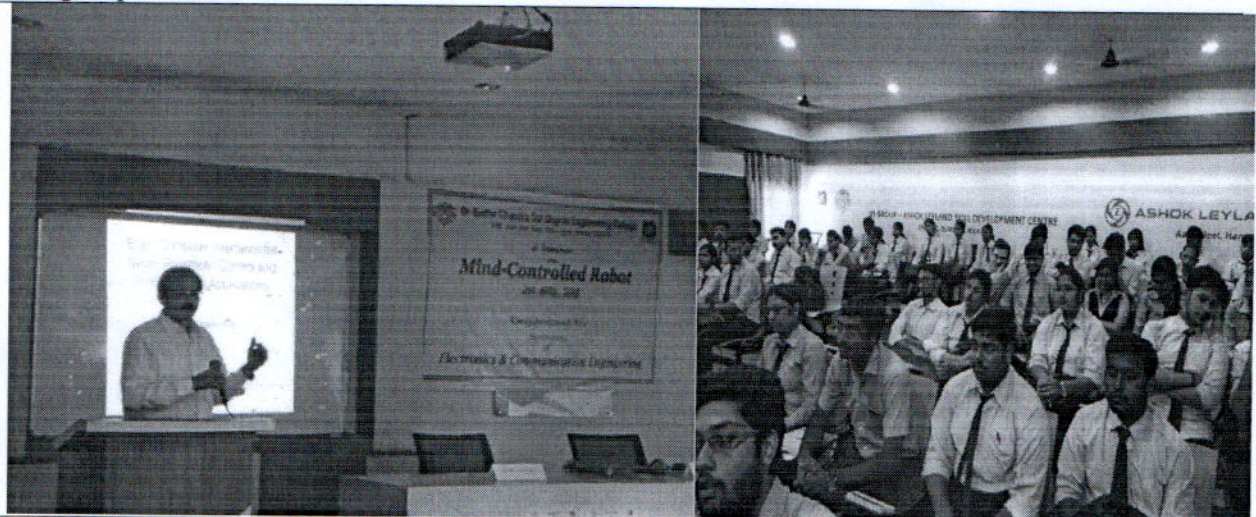
Number of Participants: 30

Objective: The aim of this seminar is to inspire and develop skill sets of ROBOT in engineering and research.

Dept. of ECE, Dr. Sudhir Chandra Sur Degree Engineering College organized a Seminar on 24/04/2023 entitled to "*Mind Controlled Robot*". Students of ECE have participated in this seminar. Eminent expert Prof.(Dr.) Amit Konar, Professor, ETCE Dept, Jadavpur University has delivered the lectures on Brain-Computer Interfacing (BCI), Invasive and Non-Invasive BCI Signals, BCI Design for Rehabilitative Robotics, Cognitive Failure Detection in Driving, Olfactory Perceptual-Ability Detection, Bypassing Visual-Motor Pathways by External Mapping, work in Progress at Jadavpur University.

Outcome of the Event: Students are interested to visit his Laboratory, as they are encouraged for research purposes.

Few glimpses of the seminar



Seminar on "*Mind Controlled Robot*" on 24/04/2023