

Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex

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



IGNITION

NEWSLETTER DEPARTMENT OF AUTOMOBILE ENGINEERING Volume: 3 DECEMBER, 2021



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From Managing Director's Desk



The main focus of our group is to empower students with sound knowledge, wisdom, experience and training both in the academic level of Engineering and Technology in the highly competitive global industrial market

Adequate care is taken to give every student an enjoyable, well-rounded and secure educational environment. Help and care is always at hand for the students. Publishing departmental newsletter indicates a continuous growth of not only the department but also the faculty and students. I wish the best for all our students, and the members of the college who reiterate their aims at providing the best in academic and extra-curricular fields on excellent lines.

Sardar Taranjit Singh





From Principal's Desk



The key to Happiness is not that you never get Angry, Upset, Frustrated, Irritated or Depressed. It's how fast you decide to get out of it.

Dear Students, If you are determined to work hard to achieve your goal, nothing in this world can deter you from achieving your goal. However, if at the outset you fail to get your goal, figure out whether some changes are needed in your set goal as per your potential.

Again work with great vigor you will definitely achieve your goal. If you have set your goal, strive hard to achieve it and the success will be yours. Making excuse for not doing things is very easy, equally easy is finding reasons, ways and means for doing it. Try to develop positive mindset and attitude, so that a value based success and goal can be achieved. A quotation for all my budding technocrats:

"I was always looking outside myself for strength and confidence, but it comes from within. It is there all the time."

- Anna Freud

Till next newsletter all the best!

Prof. (Dr.) Saradindu Panda





From HoD's Desk



It is our great pleasure to present you the Newsletter 'IGNITION' of Automobile Engineering Department. Sudhir Dr. Chandra Institute of Technology and Sports Complex. The Newsletter focuses Departmental the on all **Activities** actions, enlightening the events. proceedings in which our departmental and faculty members students have participated with great zeal.

We believe you'll be creative enough in your lives to make the best of this situation. We must start fighting instantly after falling down because of a failure. This is how stories will be made; stories of fighting and indomitable spirit. We, the Department of Automobile Engineering promise to help you at every point of your endeavors. So, focus on your studies. Focus on your lives and try to make it better every day. We are here to help you out. On behalf of all the faculty members and as the mentor of Automobile Engineering Department, I would like to say that, we are here to take care of you and we assure that we will provide the best education possible at all and every conditions.

Mr. Arindam Mukherjee





Webinars Conducted



Orientation Session on National Innovation and Startup Policy



Webinar on Product Development Process

SL DATE OF EVENT			TOPIC DISCUSSED	NAME OF THE SPEAKER	COLLEGE/ UNIVERSITY/ INDUSTRY NAME	STUDENT PRESENT	
	1	18.01.2021	Orientation Session on National innovation and Startup Policy	Mr Tanmov	Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex		
	2	13.05.2021	Webinar on Product Development Process	Mr. Saptak Sarkar	TATA Motors Limited	132	





Webinars Conducted



Webinar on Design Effect Mode Analysis



Webinar on Service Industries related to Automobile Sector

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	SL NO	TOPIC DISCUSSED		NAME OF THE SPEAKER	COLLEGE/ UNIVERSITY/ INDUSTRY NAME	STUDENT PRESENT
	3	06.06.2021	Webinar on Design Effect Mode Analysis	Mr. Sambit Pal	John Deere Private Limited	124
	4 24.06.2021		Webinar on Service Industries related to Automobile Sector	Mr. Arunangshu Pal	Royal Sundaram General Insurance Company Limited	118





Webinars Conducted



Innovators in Campus: Budding Ideas



Webinar on Service Industries related to Automobile Sector

	SL NO	TOPIC DISCUSSED		NAME OF THE SPEAKER	COLLEGE/ UNIVERSITY/ INDUSTRY NAME	STUDENT PRESENT
	5	20.08.2021	Innovators in Campus: Budding Ideas	Mr. Anurag Shaw and Team Delta Electric	Students of SurTech	85
	6	6 01.08.2021 Process Design and	Workshop on Prototype, Process Design and Developments	Mr. Sourabh Mondal	Research Scholar, IIT Kharagpur	60





Webinars Conducted







Webinar on Business Canvas Model

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	SL NO	TOPIC DISCUSSED		NAME OF THE SPEAKER	COLLEGE/ UNIVERSITY/ INDUSTRY NAME	STUDENT PRESENT
	7	22.08.2021	Mentorship Session for Student Entrepreneurs	Mr. Aashutosh Jaiswal	Alumni. DSCSITSC	73
	8	8 08.09.2021 Business Canvas Model		Mr. Atanu Roy Chowdhury	An AIOT Evangelist and founder of "Capsule Labs"	80





Webinars Conducted



Webinar on Sustainable Machining Processes



Webinar on Industrial Safety

Management

SL DATE OF EVENT TOPIC DISCUSSED		NAME OF THE SPEAKER	COLLEGE/ UNIVERSITY/ INDUSTRY NAME	STUDENT PRESENT	
9	27.11.2021	Webinar on Sustainable Machining Processes	Mr. Ranajit Mahanti	Research Scholar, IIT Guwahati	67
10 11.12.2021		Webinar on Industrial Safety Management	Mr. Biswadeep Mukherjee	Maintenance Manager, Forsoc Chemicals (India) Pvt. Limited.	65





MoU's Signed





MoU with Nikhil Bharat Shiksha Parishad (NBSP) registered under MCA, Govt. Of India for Department of Automobile Engineering





MoU's Signed



India witnessed its one-of-a-kind Memorandum of Understanding between Logiczap NextGen Technologies & Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, West Bengal on Thursday, 7th October, 2021.

The SurTech institute has signed an MoU with Logiczap NextGen Technologies for setting up a world-class Electric Vehicle LAB & Classroom inside Institute campus to meet the future demand for trained manpower in EV Industry. The Electric Vehicle (EV) LAB is expected to setup by Logiczap NextGen Technologies before end of Dec 2021 & to be officially inaugurated by Jan 2022.





Industrial Visits



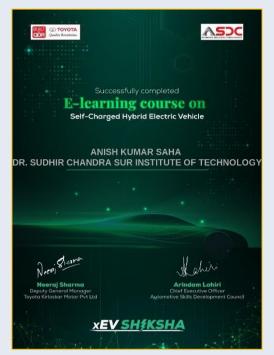


Sl. No	Name of the Industry	Date of Visit	Outcome
1	Mukesh Hyundai Training Academy	07.08.2021	Students understood
2	Bhandari Motors	10.12.2021	the recent technologies that are used in
3	Mukesh Hyundai Training Academy	11.12.2021	Automotive Industries





Industrial Training





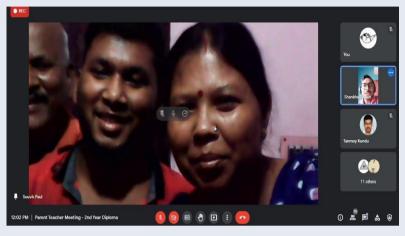


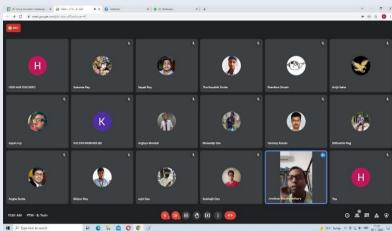
Sl. No	Name of the Industry	Date of Training	Outcome
1	Mukesh Hyundai Training Academy	07.08.2021	Students understood the
2	Eleation	02.09.2021	recent technologies that are used in Automotive
3	Toyota Kirloskar	01.10.2021	Industries

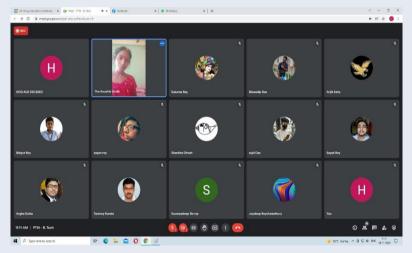




Parent- Teacher's Meeting









Sl. No.	Date	Participants	Programming Highlights/ Objective
1.	31.07.2021	35 Students and parents	 Online class conduction Modified Examination Structure Vaccination Drive
2.	28.11.2021	41 Students and Parents	 Safety measures taken by our Institute related to the Blended Mode of Teaching. Examination pattern for this semester Student Credit Card Applications Swami Vivekananda Merit-cum Means Scholarship Accessing the LMS Portal.





Hyundai Graduation Day



Hyundai Graduation On Day, Hyundai Motors Private limited. India celebrates by visiting institutions and screening students for their upcoming projects in their organization. It is special day for DSCSITSC that students from Automobile Department would get a chance to be a part of this giant automobile company.

Mr. Asim Chakraborty, Zonal Manager Service **Training** along with the representatives of Hyundai Mr. Tapan Majumder and visited others the Department of Automobile Engineering and appreciated the infrastructure of our college.















SI NO.	Attended by	TOPIC	DATE
1		Energy Storage	17.05.2021- 21.05.2021
2	Arindam Mukherjee	Alternative Fuels for IC Engines	02.08.2021- 06.08.2021
3		Electric Vehicles : Research Issues and Challenges	23.08.2021- 27.08.2021
4		The Role of Additive Manufacturing in the era of Industry 4.0	21.06.2021- 25.06.2021













SI NO.	Attended by	TOPIC	DATE
1	Kalyan Mukherjee	Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma"	17.05.2021- 21.05.2021
2		Alternative Fuels	02.08.2021- 06.08.2021
3		Alternative fuels :Biofuels	23.08.2021- 27.08.2021
4		Novel Materials	21.06.2021- 25.06.2021







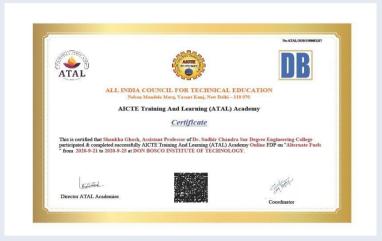


SI NO.	Attended by	TOPIC	DATE
1	Mr. Tanmoy	Rejuvenating Learning with World Class Business Improvement Approach - Lean Six Sigma"	17.05.2021- 21.05.2021
2	Kundu	Alternative fuels :Biofuels	23.08.2021- 27.08.2021













SI NO.	Attended by	TOPIC	DATE
1	Shankha Ghosh	Electric Vehicles	02.11.2021- 06.11.2021
2		Rejuvenating Learning with World Class Business Improvement Approach- Lean Six Sigma	28.06.2021- 02.07.2021
3		Design and Development of Electric Vehicles	09.07.2021- 13.07.2021
4		Alternative Fuels: Biofuels	04.10.2021- 08.10.2021





Toyota E-Learning Course





SI NO.	Attended by	TOPIC	DATE
1	Kalyan Mukherjee	E-Learning Course on Self Charged Hybrid Electric Vehicle	13.11.2021
2	Shankha Ghosh		

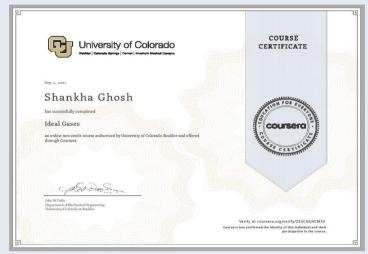




Coursera









Faculty Achievement on Coursera			
Name Course Name		University	
Mr. Arindam Mukherjee	Ideal Gases	University of Colorado	
Mr. Kalyan Mukherjee	Introduction to Engineering Mechanics	Georgia Institute of Technology	
Mr. Tanmoy Kundu	Introduction to Engineering Mechanics	Georgia Institute of Technology	
Mr. Shankha Ghosh	Ideal Gases	University of Colorado	





Ki Hote Chai



JIS Group organized a Career Objective LIVE talk show for class 12 Students, Friday 10th December, 2021 on DD Bangla at 7:30 PM. Kalyan Mukherjee, Faculty of Automobile Engineering Department was one of the speakers. The speakers mainly discussed about the following points:

- 1. Eligibility Criteria required to study B. Tech in Automobile Engineering
- 2. The current situation of Automobile Industries
- 3. The promising sectors of Automobile Engineering like the Electric Vehicles and Hybrid Vehicles
- 4. State and Central Government initiatives to boost the Automobile Industry
- 5. The future of Automobiles in West Bengal and India





Participation in Staff Development Program



Mr. Jayanta Si, Mr. Sandip Bhadra and Mr. Supriya Dhara has successfully completed the One Week Virtual Staff Development Program on "Academic & Non-academic Workplace Evolution" held between 20.09.2021 and 24.09.2021 at Narula Institute of Technology, Agarpara.





Participation in Chatra Viswakarma Awards



Serial No.	Name of the participant	Project Name	Team Name
1	Debjyoti Dutta	Rainwater	ENVIRON- MENTALISTS
2	Ripom Banerjee	Usage for Agricultural	
3	Ayushman Patra	Purposes in Hill Regions	





IIW Technical Paper Writing Competition



Mr. Sumit Sinha, a student of Department of Automobile Engineering stood first in the Technical Paper Writing competition jointly organized by Indian Institute of Welding, Kolkata Branch and Kalyani Government Engineering College.

Mr. Ayushman Patra, Mr. Sabyasachi Das of B.Tech, 4th Year from Department of Automobile Engineering, DSCSITSC also participated in this Technical Paper Writing Competition.





Toyota E-Learning Course



Student Achievements

Serial No.	Name	Details
1	ANISH KR. SAHA	
2	ARITRA CHAKRABORTY	
3	AYAN GHOSH	
4	JOYDEEP ROYCHOWDHURY	
5	BISHAL GHOSH	
6	RAKTIM ROY	
7	JIBITESH BISWAS	E-Learning Course on Self Charged Vehicles by
8	SOUMYA DEY	Toyota
9	SOUVIK DUBEY	Jojour
10	SUBHAJIT NANDY	
11	ANISH KR. SAHA	
12	ARITRA CHAKRABORTY	
13	AYAN GHOSH	
14	JOYDEEP ROYCHOWDHURY	





Participation in MOOCs

Serial No.	Name	Details
1	SARTHAK KUMAR KAR	Generative Design for Additive Manufacturing
2	SUMIT SINHA	3D Printing Applications
3	RISHAV SHAW	Generative Design for Additive Manufacturing
4	SABYASACHI DAS	Generative Design for Additive Manufacturing
5	MITHUN MAZUMDER	3D Printing Applications
6	ABHISHEK PATHAK	3D Printing Applications
7	BISWARUP BISWAS	Generative Design for Additive Manufacturing
8	RANJANADITYA ROY	3D Printing Applications
9	SUNNY SAMANTA	Generative Design for Additive Manufacturing
10	RITWIKA SEN	Generative Design for Additive Manufacturing
11	SOURAV DHALI	3D Printing Applications
12	ROHAN DEY	Generative Design for Additive Manufacturing
13	AYUSHMAN PATRA	Generative Design for Additive Manufacturing
14	ARNAB DAS	Generative Design for Additive Manufacturing
15	SUBHADEEP NAYEK	Generative Design for Additive Manufacturing
16	SOUMYA DE	Generative Design for Additive Manufacturing
17	ANKAN MANDAL	Generative Design for Additive Manufacturing
18	SURADIP MANDAL	3D Printing Applications
19	RAJDEEP MANDAL	Generative Design for Additive Manufacturing
20	DEBJIT BHATTACHARJEE	Generative Design for Additive Manufacturing
21	ARIJIT SAHA	Introduction to Self-Driving Cars
22	SOURAV KURI	Introduction to Self-Driving Cars





Participation in MOOCs

Serial No.	Name	Details
1	SUBHAJIT NANDY	3D CAD Fundamental
2	JIBITESH BISWAS	3D CAD Fundamental
3	SAJAL MONDAL	Introduction to Self-Driving Cars
4	DIPTANU DUTTA	Introduction to Self-Driving Cars
5	SOUJIT BANERJEE	3D CAD Fundamental
6	KUNDAN SHARMA	Introduction to Self-Driving Cars
7	ARGHYADIP BHOWMICK	Introduction to Self-Driving Cars
8	SNEHASIS DEY	Introduction to Self-Driving Cars
9	BIDYUT ROY	Introduction to Self-Driving Cars
10	PUSPENDRA KUMAR	3D CAD Fundamental
11	SHIBASHIS NAG	Introduction to Self-Driving Cars
12	SUJIT DAS	Introduction to Self-Driving Cars
13	DEBRUP RAKSHIT	Introduction to Self-Driving Cars
14	RAVINESH SHRAMA	Introduction to Self-Driving Cars
15	RUDRA SOM DUTTA	Introduction to Self-Driving Cars
16	PRANTIK RAKSHIT	Introduction to Self-Driving Cars
17	NAUSHAD ALAM	Introduction to Self-Driving Cars
18	AYAN BAG	Introduction to Engineering Mechanics
19	AYAN GHOSH	MBSE: Model-Based Systems Engineering
20	BISWADIP DAS	Introduction to Thermodynamics: Transferring Energy
21	JOYDEEP ROYCHOWDHURY	MBSE: Model-Based Systems Engineering





Battle of Minds: Debate Competition



Department of Automobile Engineering organized the Virtual Debate Competition 'Battle of Minds' for 3 days, from 8th January - 10th January 2021.

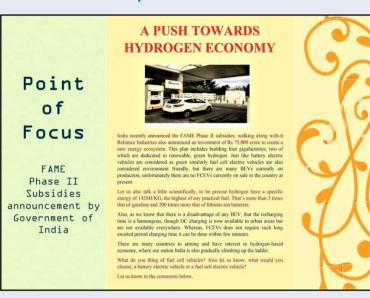
In the Qualifier round, 70 participants in 10 groups participated which was further reduced to 20 participants in 4 groups for the Semifinal round & Finals was between 2 Team Hexagon and Team Barracks debating on the topic "Should Government of India take more initiatives and invest on the research of Bio-fuels to replace conventional fuels?". The competition was really neck to neck where Team Barracks won the competition by a margin of 0.4 marks only.

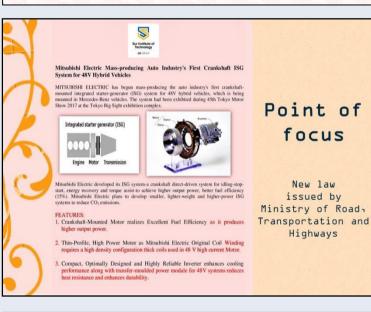




Octane: Wall Magazine (3rd Edition)

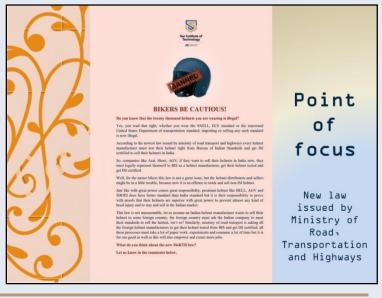
















Octane: Wall Magazine (4th Edition)



Wall Magazine 'Octane' of the Department of Automobile Engineering was published on 28th December, 2021.

The theme of the Wall Magazine was "Evolution of Automobile".



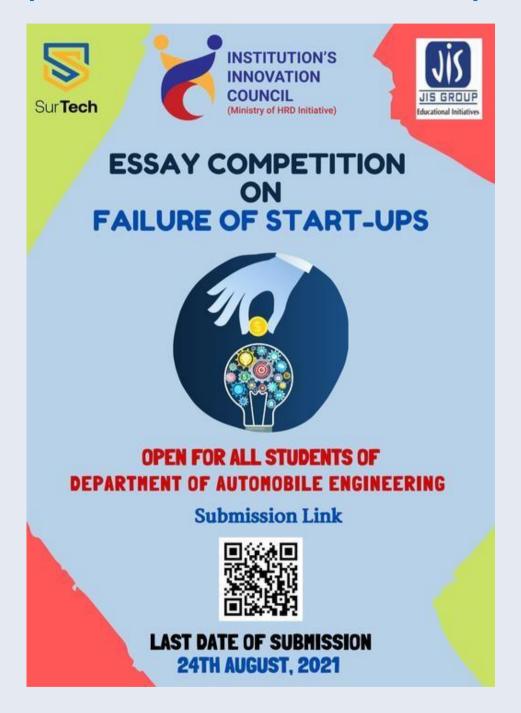


The magazine contains some detailed write-ups and blogs by the students and faculty members about chronological evolution of the Automobile worldwide.





Essay Competition on Failure of Start-ups



The Department of Automobile Engineering in collaboration with Institutions Innovation Council of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex organized an Essay competition on the topic entitled as 'Failure of Start-Ups' to celebrate World Entrepreneurs day.





Ideate and Innovate: Project Competition



The theme of the Project Competition was Renewable Energy, Modern Vehicles and Automobiles during COVID-19.

Department of Automobile Engineering organized a Project Demonstration along with an Innovative Project Competition on 17th December, 2021 3 PM onwards in the physical mode.





Projects Submitted

- 1. Material Transportation using Drone
- 2. Two Wheeler Anti-Theft Fingerprint Sensing Device
- 3. Electric Bike with 6 Speed Gear Box
- 4. Electro-Mobile, an E-Bike
- 5. Vehicle Clay Model
- 6. Hybrid Power Bank





National Pollution Control Day



Department of Automobile Engineering, Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex remembered the National Pollution Control Day (2nd December of every year) by preparing posters to spread awareness about controlling pollution.

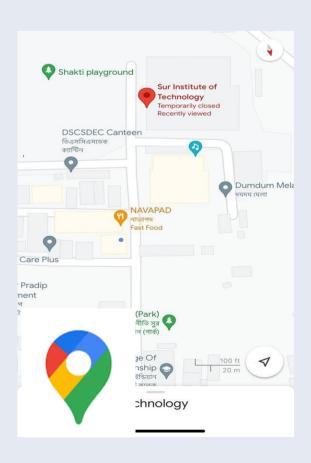




Department of Automobile Engineering

The Department of Automobile Engineering was established in the year 2009 at the very inception of DSCSITSC with high end laboratory facilities to provide hands on training to the students in this emerging specialized field.

Courses Offered		
Course Name	Intake	
B.Tech in Automobile Engineering	60	
Diploma in Automobile Engineering	60	



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