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Newsletter

Volume: 3

Department of Basic Science & Humanities





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Message From Principal's Desk

"A beautiful life does not just happen; it's built daily by prayer, humility, sacrifice and hardwork".

I am glad to convey my best wishes and message throught his newsletter during this crisis period when everyone is fighting hard to combat with COVID19, to all faculties, staff and students of Department of Basic Science and Humanities Department.



Prof.(Dr.) Saradindu Panda

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 something change 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. Taking excuse for not doing things is very easy, equally easy is finding reasons, ways and means for doing it. Your enthusiasm, support and cooperation during this crisis period are appreciable. Covid-19 has given us many reasons to look into the other side of the table. Mother Earth, Nature, Plants, Animals and Birds are demanding many things from the Human being. It's right time to understand the need of the day. Education and learning can't be stopped. Love, affection, respect, kindness, desire, positive attitude and optimistic approach can't be locked down.

Try to develop positive mindset and attitude, so that a value based success and goal can be achieved.

A guotation for all my budding technocrats:

"There is a great difference between worry and the concern, a worried person sees a problem and concerned person solves a problem."

Till next newsletter all the best!



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Message From H.O.D.'s Desk

The Department of Basic Science & Humanities is one the most active Department of this Institute. We offer students a good education in Basic level as well as higher level in a sophisticated student's friendly environment.

It is needless to describe, BS & Hu is always potentially rich Department from where students receive multiple subject's knowledge like Mathematics, Physics, Chemistry, Environmental Science, Humanities and Business & Economy. Our well educated and experienced teachers help students to make a solid backbone as an initiation about their core stream knowledge.



Dr. Biswajit Gayen

It is indeed my great pleasure that our Department is publishing Newsletter having anchored with each and every aspect of activities, events, achievements in the pandemic time period of January-December, 2021.

I extend my warm and best wishes to all the Faculty members, TAs and my beloved Students of the Department for configuring this Newsletter, Volume: 3, No.1.



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Pillars of the Department

The **Department of BSH** comprises **six** branches which are regulated by various faculties.

🔷 Dr. Biswajit Gayen – HOD

Assistant Professor of Chemistry

🔷 Ms. Pallabi Bose

Assistant Professor of Mathematics

🔷 Mr. Vivek Shaw

Assistant Professor of Mathematics

🔷 Ms. Nibedita Biswas

Assistant Professor of Humanities

Ms. Debasmita Roy Choudhury
 Assistant Professor of Humanities

Dr. Sayari Biswas

Assistant Professor of Physics

- Mrs. Rituparna Chatterjee
 Visiting faculty of Biology
- Mr. Nilanjan Singha Roy Visiting faculty of Economics
- Mr. Abhishek Paul TA of Physics
- Mr. Mahendra Sahu TA of Chemistry





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About the Department

The Department of Basic Science and Humanities consists of the branches Physics, Chemistry, Mathematics, Biology, Economics and also subjects of Humanities including English. These subjects lay the essentials foundation for all branches of engineering and the faculty members do share their knowledge to meet the needs of the engineering students to fulfil their aspirations.

This Department has well-equipped Laboratories of Physics, Chemistry and also of Language for helping the students to acquire experience regarding the practical application of their cognitive skills.

The Department endeavours to create a unique identity by not only catering to the students' requirements for enhancing their verbal skills, managerial activities, but also builds up their confidence by grooming them through **Personality Development Session, Mock Interviews, Seminars, Presentations** and **Group Discussions**.

The **Department of BS & HU** has faculties from various fields to train the students proficiently aiming at achieving an all-round development to strive for excellence in whichever fields they persue.









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Departmental Vision

- To provide guidance_to the students in furthering their future prospect and giving impetus to their creativity
- To encourage students to imbibe the best humane and professional values.

Departmental Mission

- To inculcate the importance of Basic Science and develop a natural flair for Engineering & Technology.
- 오 To create academic 🛛 excellence in fundamental Science & Humanities.
- To produce competent professionals through innovative teaching methodologies
- To play constructive role as a supporting department in imparting high guality education.

Objectives of the Department

- To impart sound knowledge of mathematical concepts.
- To inculcate a reverence for Physics and develop a direct link between Physics and Engineering subjects.
- To improve their knowledge in Chemistry and provide a solid foundation.
- To enhance the communication skill of the students that would help them to build their self-confidence
- To gain an awareness regarding socio-economic issues of the present world.



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Mentorship Activities

Mentorship refers to a relationship that connects two individuals, Mentor and Mentee to facilitate a healthy transfer of knowledge from the former to the latter.

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has introduced mentorship programme for all the students irrespective of streams. The purpose of this initiative is to ensure that the students are guided well and given right direction by the faculties.

The faculties of Basic Science & Humanities have participated in this programme and performed their duties as Mentors.

The departmental mentorship activities are listed below:

#Rules and regulations regarding online classes and institutional activities

 # NPTEL, Basket of MOOCS
 # PTM for regular interaction with guardians

 # Awareness for Student Credit Scheme launched by WB Govt.

Resolving doubts and subjective issues.

Sr.No.	Faculty Name	Class	No. of Studen ts
1.	Dr. Biswajit Gayen	Robo+ME+CE+ECE+EE (1 st Sem) + Diploma AUE (2 nd Sem)	27 +23
2.	Mr. Vivek Shaw	CSE Section A Gr A (1st Sem)	40
3.	Mrs. Pallabi Bose	CSE Section A Gr B (1st Sem)	50
4.	Ms. Nibedita Biswas	CSE Section B Gr A (1st Sem)	40
5	Ms. Debasmita Roy Chowdhury	CSE Section B Gr B(1 st Sem)	49
6.	Mr. Abhishek Paul	Diploma AUE (1st Sem)	25

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ACHIEVEMENT OF THE DEPARTMENT

Since the teachers have the power to enlighten innumerable minds, they are, most importantly, required to embark upon this life-long journey of self-development.

Considering self-grooming as a major concern, the faculties of Basic Science and Department have been constantly enrolling themselves in different **faculty development programmes, research and publication activities** at different times of the year. The effort of the faculties is reflected in the excellence of the students.

SL NO.	TOPIC	TYPE OF EVENT	DURATION/DA TE	ORGANISER/ NAME OF JOURNAL	NAME OF THE FACULTY
1.	Modern Trends in Chemical Research: A few Glimpse	WEBIN AR	21.01.21-21.01.21	Department of Chemistry, Ramakrishna Mission Vidyamandira.	Dr. Biswajit Gayen
2.	Nanotechnology	FDP	01.9.21-23.9.21	COURSERA	
3.	Application on IOT in Environment,Medical Science and Human Life	FDP	04.10.21-08.1021	ATAL Academy ど SSTC	
4	IoT in Healthcare: An Endowment for Remote Place	E_ magazine	23.10.2021	Scientic India	
5	Tobacco: A Silent Killer	E Magazine	31.10.2021	Reflection	
6	Intellectual Property Right in Advancement of Research	WEBIN AR	15.5.21	DSCSITSC	Mr. Vivek Shaw
7	OBE	FDP	6.09.21-10.9.21	GKCEM	



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SL NO.	TOPIC	TYPE OF EVENT	DURATION/DATE	ORGANISER/NAME OF JOURNAL	NAME OF THE FACULTY
8	TCSION	WORKSH OP	12.11.21	TCS	
9	An Intuitive Introduction to Probability	FDP	23.08.2021	COURSERA	
10	Schedule of Curriculum Development & Mapping	FDP	27.12.21-30.12.21	JIS UNIVERSITY	
11	An Intuitive Introduction to Probability	FDP		COURSERA	Mrs Pallabi Bose
12	Research Methodology and Software Tools In Research	FDP	27.12.21-31.12.21	ECE Dept Of DSCSISTSC	
13	An Eco-Critical Perspective on Hunger in 'The Hungry Tide'	PUBLICA TION	10.6.21	Journal Of Emerging Technologies and Innovative Research	Ms. Nibedita Biswas
14	English Composition I	FDP	25.11.2021	COURSERA	
15	Research Methodology and Software Tools In Research	FDP	27.12.21-31.12.21	ECE Dept Of DSCSISTSC	Ms. Debasmita Roy Chowdhury
16	Research Methodology and Software Tools In Research	FDP	27.12.21-31.12.21	ECE Dept Of DSCSISTSC	,,



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Induction Programme

Department of BS& Hu successfully conducted the IP, 2021 for newly admitted 1st year students. Some of the important events are enlisted below;

SL NO	NAME OF THE SESSION	DATE	SPEAKER	NO OF FACULTIE S	NO OF STUDENT S
1	Inauguration Program	23.09.21	Principal Dr. Sharadindu Panda	15	145
2	Universal Human Values	24.09.21	Ms. Nibedita Biswas	12	130
3	Curriculum Structure and Exam	24.09.21	Mr. Vivek Shaw	13	135
4	Departmental Overview	26.09.21	HOD Of Electrical Engineering	13	142
5	Institute Innovation Council	26.09.21	Mr. Arindam Mukherjee	12	146
6	Opportunities in Engineering Studies	01.10.21	Dr. Debasish De	15	152
7	Academic aspects of Engineering Studies	04.10.21	Dr. Salil Kumar Sanyal	12	145



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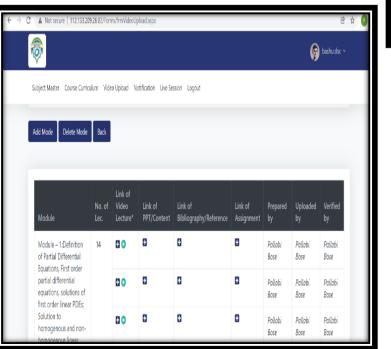
Online Classes

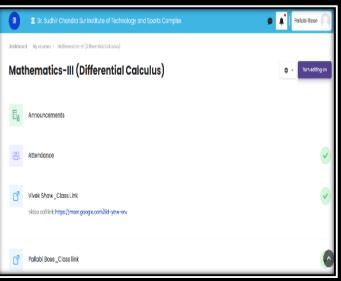
Online learning is one of the imminent trends in the education sector around the globe. Online classes are a combination of video recordings and live lectures with course reading and tests.

For this purpose Faculties utilized different online teaching platforms like~

- Google Classroom
- Google Meet
- LMS Portal
- YouTube Chanel
- Others

	1 Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex	👳 🌲 Pallabi Bose 🕠
Dashboar	rd - My courses - Mathematics-III (Differential Calculus)	
Mat	hematics-III (Differential Calculus)	🗘 👻 Turn editing on
3	Announcements	
ů	Attendance	V
ď	Vivek Shaw_Class Link Video call link https://meet.google.com/fid-ytrw-erv	V
c7	Pallabi Base_Class link	
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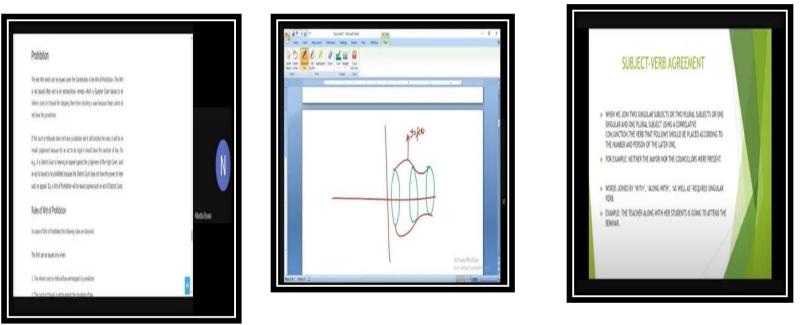
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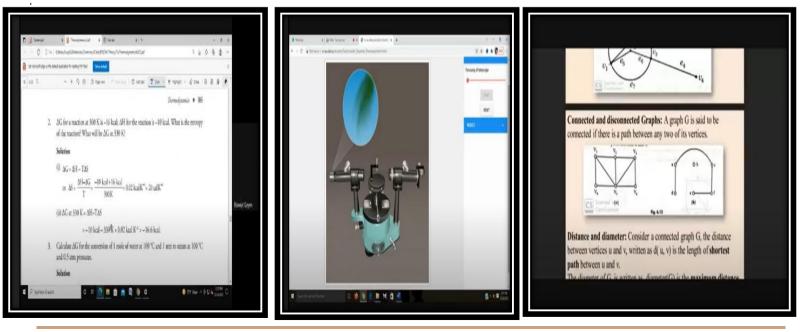


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- Total online classes conducted till date: 1895
- Overall Percentage of students attendance in live class: 85%
- Frequency of assignment/task given to students: 6 out of 10 classes







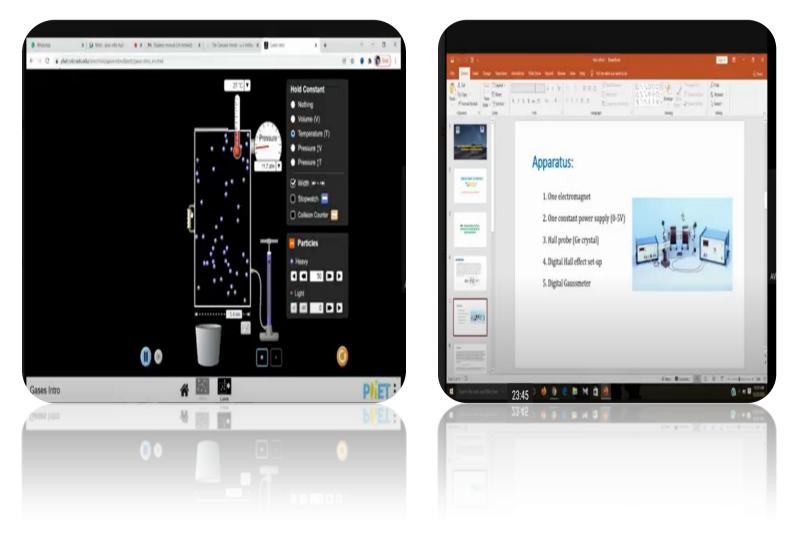
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Virtual Lab

Modern technology has helped us towards usage of digital devices in education. In Covid 19 situation it also helped spread e-learning platforms. Technology has benefited education is the emergence of virtual labs. In virtual labs real science lab is simulated to link the practical side with the theoretical side.

Our Department specially, Chemistry and Physics utilizes that golden opportunity during their Laboratory Classes.





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Digital Co-curricular Activities

The pandemic situation has opened up with many opportunities to the students for utilizing the digital platform in many disciplines. Besides, the application of online platforms in the field of study, they have also been accessed by the students to share their skills and talents in various cultural spheres along with reflecting their concerns for social development all around.

DATE	Event
12.01.2021	National Youth Day
23.01.2021	Birth Anniversary Of Netaji Subhas Chandra Bose
26.01.2021	Republic Day
21.02.2021	International Mother Language Day
08.03.2021	Women's Day
09.05.2021	Rabindra Jayanti
O5.06.2021	World Environmental Day
10.06.2021 to 12.06.2021	COVID care Programme
09.10.2021	"Agamoni"
06.11.2021	Photography Competition



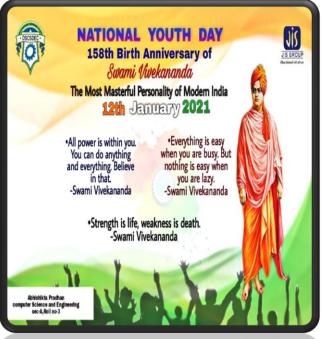


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National Youth Day

Basic Sciences and Humanities Department of Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex celebrated Swami Vivekananda's 158 th birthday on 12 January 2021 with 1st year B.Tech and Diploma students. This day is also observed "National Youth Day". Swami as Vivekananda vocal about the was importance of youth in the process of nationbuilding and thus it is of prime importance to make our students understand the values



and ideologies presented by Vivekananda in his life time. More than 50 students actively participated in this celebration through various means such as posters, slogans, poems & video clips created by them in which they have showcased the ideologies and principles followed by Vivekananda.

125th Birth Anniversary of Netaji Subhas Chandra Bose

Basic Science and Humanities Department of DSCSITSC has celebrated the **125th Birth Anniversary** with first year B.Tech and Diploma students. Netaji Subhash Chandra Bose was a scholar, a patriot, a leader, an intellectual, a visionary, a socialist, and a warrior.



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To honor his vigor and untiring efforts for the freedom of his nation, the students and the faculties actively have participated and made this event a grand success.





Republic Day

With immense pride and pleasure, we share that Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex celebrated **72nd Republic Day 2021** in a hybrid mode (Physical + Virtual mode) on **20th Jan 2021**. The event was coordinated by the Department of Basic Sciences and Humanities.



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This day is the day to reaffirm our commitment to unity in diversity, fraternity and equality of our nation. The event started with a flag hoisting ceremony at the college premises followed by the National Anthem and Vande Matram being sung by the faculty and staff members. The event also witnessed live cultural performances by students from first year to fourth year. This was a unique celebration of its kind and it turned out to be successful with active participation the students and faculties.

International Mother Language Day

With great enthusiasm Basic Science and Humanities Department has celebrated the "International Mother Language Day" on Sunday, 21st February, 2021 has celebrated the "International Mother Language Day" on Sunday, 21st February, 2021 to acknowledge the significance of the practice of mothertongue and to honor linguistic diversity across our nation.



The students have filled in the ambience of the event with their performances on singing, recitation and displaying posters reflecting the essence of respective mother-tongues. Their performances have added colours to the event.

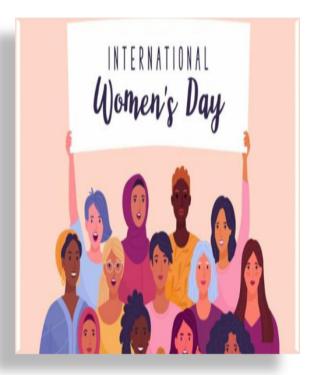


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International Women's day Celebration

Department of BSH of Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex has taken the initiative to observe International Women's Day on 8th March, 2021 to celebrate and glorify womanhood and uphold the dignity of their status. The event began with a congratulatory speech for the highest scoring girl students in their respective Board examinations from first year batch. They were also rewarded certificates of appreciation.



The faculty members of the department have expressed their concerns on the role of women in society and their contribution in building a nation, thereby, motivating the students to adhere importance to this particular day of importance. Students also have shared their views in regards of this day.

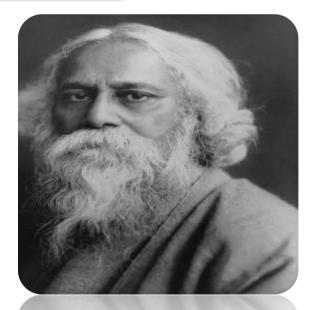


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Rabindra Jayanti

Basic Science and Humanities department has observed Rabindra Jayanti on 9th May, 2021. The event has been a small gesture of tribute to the man of pride who tied the culture of Bengal with strings of melody and words, being praised and celebrated worldwide. The program was participated by the Alumni, students and staff members irrespective of all departments.



The students performed songs, played musical instruments, recited the poems of Rabindranath Tagore. The enthusiasm and spirit of our students has made this cultural programme a grand success.

World Environment Day

Department of Basic Science & Humanities along with the department of of Civil Engineering has celebrated World Environment Day on 05th June 2021 on Google meet Platform.



Dr A. B. Samaddar, Director, DSCSITSC has presented the transformation process from unsustainable to sustainable development. Our Chief Guest Padmashree Prof (Dr) Ajoy Kumar Ray presented his wisdom words on Environment and Sustainability including effect of pollution on air, water and soil. This day demands a pledge to be taken by all of us to ensure our next generation with a better living and healthy environment.



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COVID Care Programme

Department of Basic Science 5 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". The Covid Care Programme administered by Mr. Ripu Sudan and other committee members aimed at imparting gainful knowledge for developing physical and mental wellbeing amidst this pandemic.



The three days session helped more than 200 students registered to learn the importance of Yoga and its benefits in our daily lives. We owe our heartfelt gratitude to this prestigious organization and also its founder, the renowned man, Guru Shri Ravi Shankar, for taking such initiatives to render services for attaining the wellbeing of mankind with the upkeep of physical and mental fitness.



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75TH INDEPENDENCE DAY

Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex celebrated 75th Independence Day on 15th August 2020 which was a mixture of physical and virtual platform

The celebrations started with a physical flag hoisting ceremony by Principal, Dr. Om Prakash Sharma, followed by the National Anthem and Vande Mataram song and the entire event was broadcasted live to all the students, faculty and staff members which were present virtually on Google Meet App.



The entire session was coordinated by Mr. Vivek Shaw, TIC, BSH Department and Miss Pallabi Bose, AP, BSH Department. The celebrations ended with a vote of thanks by Miss Nibedita Biswas.



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"Agamoni"

'Agomoni'- the cultural event was held virtually to celebrate the festive spirit of pre Durga Puja. Students with utmost enthusiasm participated in the programme and have showcased their talents. They have performed dances, sang songs, recited poetry and speeches and have also shared their concepts of the festivals through their paintings. The vibrant teacher- student coordination has made the programme a noted success.



Photography Competition

This event was arranged to promote a healthy competition among the 1st year students who are deft in capturing moments that are unique and of special significance. Several photographs were submitted and on the basis of experts' judgements, the following ones have been chosen as the winners of the event-

- 1. Soumik Chakraborty
- 2. Arghyadeep Paul
- 3. Arup Banerjee





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