



BS & HUBULLETIN

16th May, 2020





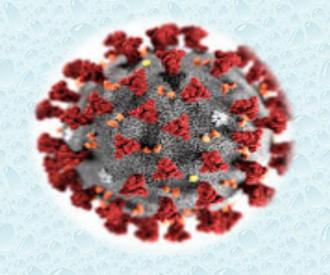


Dr. Sudhir Chandra Sur Degree
Engineering College
Department of Basic Science and Humanities



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<u>Message From Principal's Desk</u>: 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.



I am glad to convey my best wishes and message through this news letter during this crisis period when everyone are fighting hard to combat with Covid 19, to all faculties, staff and students.

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, Animal 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 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!

Dr. Om Prakash Sharma Principal, DSCSDEC

Message from HOD:



It is of immense pleasure to me to provide a brief presentation of the Department of Basic Science and Humanities which lay foundation for all the branches of engineering and technology. The teaching module comprises of lectures, tutorials and practical along with various other initiatives. 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.

Best Wishes, Mr. Vivek Shaw TIC, Basic Science & Humanities Department DSCSDEC

About the Department

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

This Department has well-equipped **Laboratories** of **Physics**, **Chemistry** and also of **Language** for helping the students to develop knowledge regarding the practical application of their learning skills.

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



The **Department of BSH** renders all kinds of faculties to the students to train them proficiently with an all-round development to achieve excellence in which ever fields they peruse.

Departmental Vision & Mission

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.
- 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 quality 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.

Backbone of the Department

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

- Mr. Vivek Shaw HOD/TIC
 Assistant Professor of Mathematics
- Ms. Pallabi BoseAssistant Professor of Mathematics
- Dr. Ruchi ShawAssistant Professor of Chemistry
- Dr. Biswajit GayenAssistant Professor of Chemistry
- Dr. Bipasha BhowmickAssistant Professor of Physics
- Mrs. Bhaswati KhasnabisAssistant Professor of English
- Ms. Nibedita BiswasAssistant Professor of English
- Mrs. Rituparna Chatterjee Visiting faculty of Biology
- Mr. Nilanjan Singha Roy
 Visiting faculty of **Economics**
- Ms. Arpita DhalVisiting faculty of **Economics**



Online/Digital Classes

COVID-19 attack obstructs all the regular activities in our country.

Lockdown situation pushes us from Chalk-duster to online digital classroom.

From the beginning of **lockdown**, our Departmental Faculties are continuing their teaching-learning process with their students as according to our **pre-scheduled routine classes**.

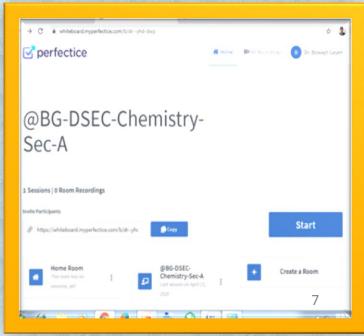
For this purpose Faculties utilized different online teaching platforms like-

- Google Classroom
- Google Meet
- Whiteboard Myperfectice
- Zoom
- YouTube Chanel
- GoTo Meeting
- Others



Total online classes conducted till date: 839





Online Tests

Our Departmental Faculties arranged a number of online tests as a part of preparation of even semester examination under MAKAUT and WBSCVET.

In this concern, students were provided with MCQ type questions in online format as assignments or class tests using whiteboard Myperfectice, Google Forms and other online platforms.

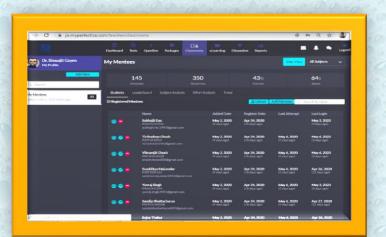
College has arranged **online slot-II test** in MCQ format according to syllabus of respective subjects. All examinations have been organized in **jis.myperfectice.com** platform.

Percentage of participated students pleased BSH Department. Students Participated in large numbers in online test and slot-II test.

The students enthusiastically take part in both online classes and tests by keeping apart lock-down situation, poor network, remote accessibility and other difficulties.

Total number of Mock tests conducted till date: 84





WEBINARS

Webinar on "Weak Forces: Backbone of Biological System"

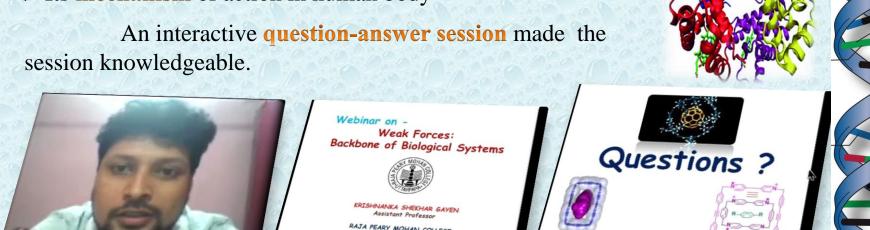
The Department of Basic Science and Humanities (BS&H) of DSCSDEC organized an interesting webinar entitled "Weak Forces: Backbone of Biological System" on 30th April, at 7:00 PM. The session was hosted live on GoTo Meeting platform.

The session was introduced by Dr. Biswajit Gayen, Assistant Professor of Chemistry, DSCSDEC and Guest Speaker was Dr. Krishnaka Shekhar Gayen, Assistant Professor from Raja Peary Mohan College, Uttarpara, Hooghly.

He presented a motivating session with our Respected Teachers and students. He

shared valuable information in the following areas -

- ♣ Weak interaction in Chemistry and their applications
- **◆** Weak forces of interaction in **Protein**, **DNA**, **Cellulose**
- **♣** Role of weak forces of interaction in **cell structure**
- **↓ Drug-Receptor interaction**, a model study
- **♣** Antigen & antibody
- **♣** Synthesis of recently well discussed drug **Hydroxychloroquine**
- ♣ Its mechanism of action in human body





Webinar on " Cyber Awareness & Digital Security"

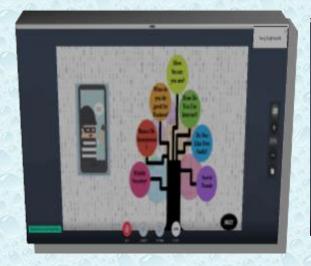
The Department of Basic Science and Humanities of Dr. Sudhir Chandra Sur Degree Engineering College has organized a webinar on "Cyber Awareness & Digital Security" on 29th April 2020, from 6:30pm to 8:45pm on gotomeeting platform

Speaker of the webinar was Mr. Nitish Kumar, Information Security Consultant, eSecForty Technologies Pvt Ltd, Gurugram, Haryana.

He presented a motivating session with our Respected Teachers and students. He shared valuable information in the following areas -

- How secure is your password and How to keep your password safe
- Why it is not important to reveal each and every information about yourself on social media
- How our search history is related to the type of ads
- Go for mobile security check and check for extra permission given to various apps
- ■ATM fraud/card skimmer, shoulder surfing, fake UPI frauds
- Necessary tips to keep ourselves safe with digital security

The entire session was a very interactive one.









Webinar on "Nano materials: Prospects and Application for Green Energy Harvesting"

The Department of Basic Science and Humanities of Dr. Sudhir Chandra Sur Degree Engineering College, Dumdum organized a webinar on "Nanomaterials: Prospects and Applications for Green Energy Harvesting" on 27th April 2020 at 17:00 hours on GoTo Meeting platform.

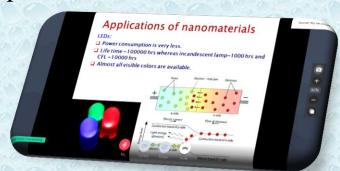
Speaker of the webinar was Dr. Sanjit Sarkar, Assistant Professor, Dept. Of Physics, Surendranath Evening College

He presented a motivating session to our Respected Teachers and students. He shared valuable information in the following areas -

- Basic structure of Nanomaterials
- How to build nanostructures
- Applications of nanomaterials such as the Solar cell, Photodetectors, LEDs, electronic devices such as transistors and diodes, Supercomputers









Webinar on "Behind the Scenes of Chemicals Used in Daily Life"

Department of Basic Sciences and Humanities of Dr. Sudhir Chandra Sur Degree Engineering College organized a webinar on the topic "Behind the Scenes of Chemicals Used in Daily Life".

Dr. Ruchi Shaw, Assistant Professor of Chemistry, DSCSDEC introduced Guest Speaker Mr. Anand Pandya, Quality Assurance Auditor with Krish Biotech Research Private Limited, Kalyani

More than 85 participants who joined the webinar made it successful.

The prime objective of the webinar was focused on **pre-clinical testing** of chemicals which we use in our day to day life.

It gave an insight as to what kind of safety testing a novel compound goes through in its pre-clinical stage so as to reach in its safest form to the consumers.

Students were made to understand the importance of chemical testing in animals while making them aware about the basic principles followed by OECD and GLP compliance authority







Thank You
Any Questions?

Reach me at
anand.p@krishbiotech.com
anandpandya@live.com

Details of Webinars at a Glance

Name of the Event	Date of the Event	Topic	Participants	Remarks if any
Webinars	30 April	Weak Forces: Backbone of Biological System	70	The session was very appropriate to the students of all disciplines
	29 April	Cyber Awareness & Digital Security	80	Necessary tips to keep ourselves safe with digital security was discussed
	27 April	Nanomaterials : Prospects and Applications for Green Energy Harvesting	55	Discussion on the basic structure of Nanomaterials, how to build nanostructures as well as the applications of nanomaterials
	23 April	Behind the scenes of chemicals used in daily life	85	Discussion was focused on pre- clinical testing of chemicals which we use in our day to day life

Online Training for High Schools

Name of the Event	Number of the Event	Topic	Remarks if any
Utilization of digital platforms in school teaching	6	How to arrange online classes during this lock-down situation	Teachers were satisfied and continuing their online class in their school
Career guidance for high school students	2	Doubt clearing and interacting classes with students	Students enjoyed those session

Digital PTM Conducted

A PTM was conducted on 11th April, 2020 at 11.30 a.m. to 1.00 p.m.(online) for B.Tech and from 1:00 p.m. to 2 p.m. for Diploma students through Zoom Platform. The main focus of the meeting was to provide a common platform, where teachers and parents come together to discuss the various issues



along with their parents attended the meeting wherein the parents interacted with subject teachers, and respective mentors.

Around 85

students

University results, Test results, Attendance, Discipline and Punctuality of a ward were discussed individually by the Mentors were discussed;



Achievements of BSH Department

Achievements of our Faculties

The second second	Name of the Activity	Name of Faculty	Topic	Other Details if any
	Researcch Work	Dr. Biswajit Gayen	Advances in Smart Nanomaterials: Environmental Perspective	doi.org/10.1155/20 19/3451307
	FDP	Mr. Vivek Shaw	Examination reforms	Conducted by AICTE
	NPTEL	Dr. Biswajit Gayen	Pericyclic reaction and organic photochemistry	https://swayam.go v.in/nd1_noc20_cy 15/preview
No. S. S. S. S.	IIC	Dr. Bipasha Bhowmick	Entepreneureship	Conducted by MHRD
	Making of Hand-Sanitizer	Dr. Biswajit Gayen	Making of alcohol based Hand- Sanitizer at Home	https://www.youtub e.com/watch?v=Xr Fc0MVu5Wk&t=7 1s

Achievements of Students from BSH Department

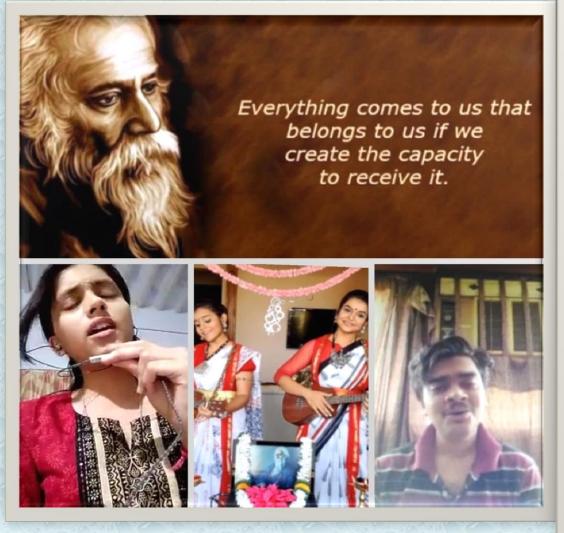
Name of the Activity	Session	Topic	Score achieved
		Ethics in Engineering Practise	Elite - Elite+Silver
		Joy of computing using Python	
NPTEL	2019-2020	Developing soft skills and personality	
IIC	2020	Entrepreneurship	Ongoing

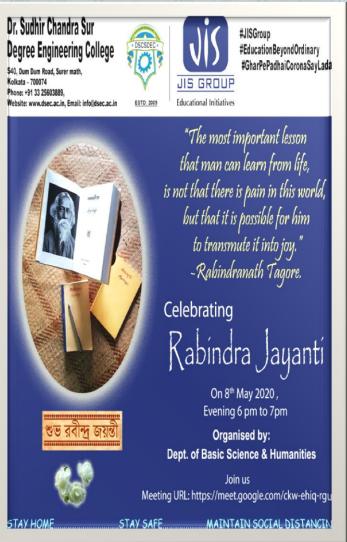


DIGITAL CULTURAL ACTIVITIES

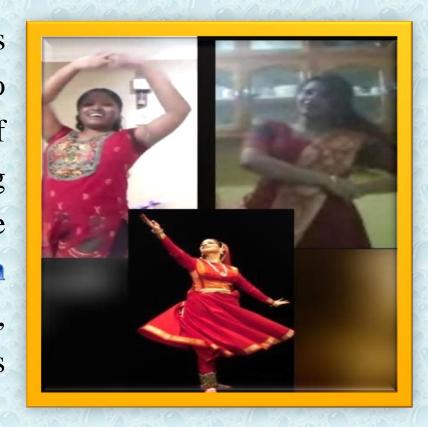
During the lockdown period the department of BSH has taken initiatives to arrange for several cultural programmes in collaboration with faculties, students and staff.

Students have performed exquisitely on different songs, dance forms, recitations as well. The department has also observed the **Bengali New Year, "Poila Baisakh**" as it is called, with participation of students both from B.Tech and Diploma sections.

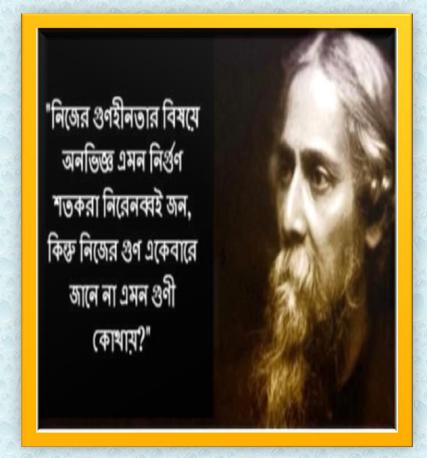




Besides, the department has arranged for a cultural evening to celebrate 159th birth anniversary of the profound personality representing the glory of the culture of Bengal, the Nobel Laureate Rabindranath Tagore. Starting from students, faculties and other staff, everyone has performed on



Various compositions of Tagore. Amidst the gloomy atmosphere due to the outbreak of **COVID-19**, the Department of BSH has always tried to reduce the stress which is evident in the arrangement of such events and beautifully carried over by the collective participation of teachers and students.



Not being hindered by the drastic paws of the pandemic, the department has moved on with its initiatives to keep the students and faculties engaged with their **digital performances** for keeping up with all the spirits



SOCIAL MEDIA AND WEB PUBLICATIONS

With much pleasure, the department of BSH has received plenty of responses and feedback from the students regarding their participation in activities concerning the application of various digital platforms related to social media and online publications.



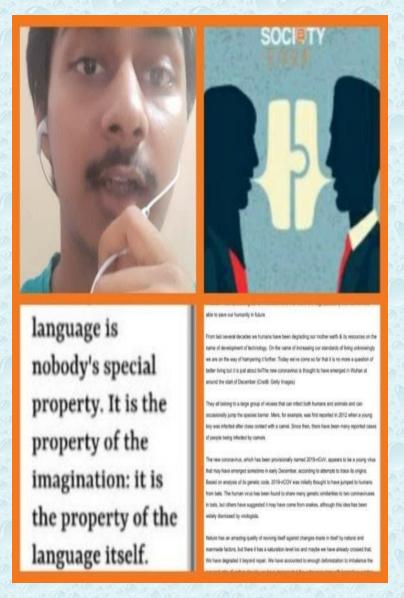


Students have successfully taken part in poster-making, art and craft, painting alongwith individual as well as **collective video recordings**. Even the faculties have also participated in several activities like composing video clippings developing concerns regarding environmental awareness.

The entire **Department** has remained engaged throughout conduction of **online activities throughout the phase of lockdown** thus bringing up new opportunities to students for presenting their talents in a unique way.

STUDENT'S PARTICIPATION IN DIFFERENT COMPETITIONS

Under the surveillance of BSH Department, students have participated in various competitions that was organized through several online platforms. Events like 'Debate Competition', 'Essay Competition' have been held with the support from the department where participation of students was quite noticing, even the department has also arranged for the distribution of e-certificates to all the winners thus acknowledging the talent of the candidates along with pushing up the spirits of the students during the period of crisis.



Quiz

The BSH Department of Dr Sudhir Chandra Sur Degree Engg College organized a Quiz competition on 'Environmental Awareness, Science, and recent Technology' on 19/2/2020 at 2:30 pm in the Language Laboratory for 1st year BTech and Diploma students. The Quiz was an effort made by the Faculty members to enhance the pupils' knowledge in these areas, especially beyond the limits prescribed in their syllabus. Professor Vivek Shaw acted as the Convener of the event and all the Faculties played an active role in compiling questions. The process involved enthusiastic participation by the students who were awarded for their achievements at the end of the day.





Mother Language Day

International Mother Language Day is observed on 21st February to promote cultural and linguistic diversity and multilingualism. As a Dept which is actively involved in enriching students language development the BSH Dept of Dr Sudhir Chandra Sur Degree Engineering College promptly organized a JAM session (Just a Minute) for Diploma 1st year students on this day. Prof Ruchi Shaw and Prof Nivedita Biswas coordinated the events which saw a colourful medley of speeches given by our spirited audience. Students were seen conversing among themselves in their Mother tongue and Faculty members too enjoyed the session.

Social Activities Performed By the Department

- Feeding stray animals
- Making social awareness pamphlets regarding COVID-19
- Taking care of plants



Some special activities by our students during lockdown:

- Song on Corona Virus
- Review on story books and film
- COVID-19 Awareness Poster
- Creative Drawing
- Writing & reciting poems

DON'T PANIC, BE ALERT

MAINTAIN SOCIAL DISTANCING TO DEFEAT COVID-19

