



News Letter during Lockdown 2020



JIS College of Engineering
Kalyani, West Bengal

To the members of the JIS community

PRINCIPAL'S MESSAGE:



Newsletter is a place where progress and achievements of the college are presented for the people either associated or not associated with us. It is a periodic manual where the quality of education and extracurricular activities that a college undertakes develop the all-round personality of

Prof. (Dr.) Partha Sarkar
the students. In the crucial situation where the whole world has come under the deadly grasp of Novel COVID-19 virus, we are all fighting to overcome this situation in our very own way.

We all from JISCE never stopped ourselves from duty during this lock down and we operate ourselves from place of staying. We have conducted online classes, webinars, various online training, FDP etc. This newsletter is mainly focused on reporting of lockdown activities. I appreciate the staff members who have taken pain to publish the Newsletter during this lockdown period.

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Digital Education-for all

UPCOMING EVENTS

FDP on Innovations Startups IPR: A post COVID19 View

Date: June 2020

Speakers: Officials from
MHRD Innovation Council,
Govt. of India

MSME, Govt. of India

WBDST, Govt. of West Bengal

EDI-Kolkata

International Online Conference on Engineering Response to COVID- 19 [IOCER COVID-19]

There is not a Single Obvious Solution

Date: October 08- 09, 2020

JIS College of Engineering
Kalyani, West Bengal, India

The World has changed for ever

Editorial



Dr. Sila S Ghosh

to the normal pursuit of our academic mission.

Every little thing counts in a crisis and any kind of crisis can be significant.

Dr. Sila S Ghosh Keeping this in mind, we have tried to find out the epicentre of the storm, which is always calm and the source of strength. For JIS, the source of strength, the epicentre is flipped learning, digital learning, anywhere, anytime learning and the practice of the students continuing from last three years. In this uncertain moment, we have got every confidence in our community's ability to pull together with kindness, care and concern for the common goal.

The fact is uncertainty is the reality at the moment. COVID-19 has affected the world at large, but this has also given us a glimpse of the good that exists. It is clear that a remote vital tracking system is the need of the hour. Humanity is being tested as never before, but is also rising to the challenge.

Dealing with uncertainty and flat growth is the new business normal. Interestingly, digital transformation is receiving a boost as never before, and sectors like gaming, online education and IT security are witnessing significant growth. IoT can help prevent diseases like COVID-19 by eliminating the need to touch items to operate them in various scenarios, be it at home, a hotel, and offices.

Despite a number of unfortunate incidents of hate speech and community bias in some news organisations, stories of heroic efforts by institutions & individuals continue to be highlighted. Many brands are transforming their messages in this time of crisis and competitors are becoming collaborator.

Companies are now focused on developing a strategic plan for workplace flexibility, digitisation, virtual collaboration, and wellbeing in the workplace. Flat is the new growth today – every business needs to ensure it survives first before it can thrive.

Covid-19

Turning the world

Upside down

Now is the time for us to look after the people who work for us. When a company steps up at a time like this, it builds loyalty, commitment, and long-lasting teams. Evolving product features based on emerging hygiene and disinfection needs, localisation, increased degree of automation, and a set of economic stimulus by the government are the needs of the hour. The local community can quickly identify local issues, and provide local solutions fast. And that is exactly what is needed today : **speed**

The Chinese use two brush strokes to write the word 'crisis.' One brush stroke stands for danger; the other for opportunity. In a crisis, be aware of the danger – but recognise the opportunity.

– John F. Kennedy

A crisis often brings out the best in you and you discover qualities that you never knew existed within. A time of crisis is not just a time of anxiety and worry.

Online education has now become mainstream, unlike yesteryear when it was just a one-time event. Given the current environment, schools institutions are going online around the world as they send students home with no timeline for return.

“If you're going through hell keep going”

–Winston Churchill

As friends and colleagues in the office become more virtual, individuals will rely more on their co-living mates for social support

Investors are still happy to explore investing in start-ups focused on sectors that will become critical due to COVID-19 – healthcare, cyber security, online plays, logistics, etc. To be effective in crisis management in the digital age means being able to use social media strategically

In an increasingly interconnected world, crises throw up profound questions for us all – as individuals, communities, organisations, societies, nations, and indeed, as the human race. From climate change to religious polarisation, from the refugee crisis to COVID-19, we have been challenged as never before. It is in times of crisis that good leaders emerge. Successful people recognise crisis as a time for change – from lesser to greater, smaller to bigger.

Any deep crisis is an opportunity to make your life extraordinary in some way. Good people turn to love, courage and kindness in times of crisis, not hate, fear and cruelty.

I hope you all are doing well and fighting strong against this global pandemic. It is very much safe to say that the world today we are experiencing is one of a kind. It has not been experienced by our generation nor the one before us nor the one after us. But we are not in this alone, we are all together and together we will come out of it strong and determined.

We have to understand that this world will never be the same again and I like to believe that we are stepping into The New World.

We must learn to accept and adapt our lives in this New World. The COVID - 19 pandemic has taught us many things, the most important of which is role of the nature in our daily lives. It has taught us that we cannot abuse nature and just carry on our lives. We have to learn to respect nature and learn to co-exist with it rather than destroying it.



Adaptation is the Key-

JISCE SOCIAL RESPONSIBILITY

JIS College of Engineering in association with Kalyani Municipality are working hand in hand and have taken an initiative to maintain safety and hygiene in the market area of Kalyani, West Bengal to combat COVID-19. The college authority installed barricades in the market area and have only kept two separate entrances for entry and exit. Stationed trained security personnel are providing hand sanitizer to the person whosoever is entering the market and while exiting.



Mask is also being distributed to the person who is entering the market. Opened up a help desk counter where the authorities from college are continuously announcing the gathering to maintain the social distancing along with taking the proper care by washing hands frequently, sanitizing hands and wearing masks. Hoardings, Banner and Posters have been displayed in the market area with the Do's and Don'ts as awareness against COVID-19. Two automated disinfection gates installed at market place as precautionary measures against coronavirus. Till now 3,500 masks have been distributed. Health Care Hand Sanitizer being prepared in JISCE Chemistry Lab and distributed among local people.



Apart from these “Corona Protective Smart Hat”, “HateyBazare”, App for online rationing & “Alcohol Based Money Disinfecter with UV Protection” is developed to fight against Corona.

Covid-19

The long road

Our "Corona Protective Gloves & PPE" created a national level newsflash. Ministry of Health and Family Welfare reporting the Success Story of our Innovative Gloves & PPE through the Press Information Bureau.



In our Electronics & Comm. Engineering Dept. several innovative project activities have been conducted by Dr.BiswarupNeogi and his Team. During this COVID 19 lockdown situation, Dr. Neogi and his 1st year ECE Students Mr. Sankha Dey develop this gloves which is now recognized by Govt. of India by publishing this Success Story. These gloves already archive \$1000 funds in one Hackathon which have been reported.



Success Story Link:

- English Report:
<https://pib.gov.in/FeaturesDeatils.aspx?NotId=150605&ModuleId%20=%202>
 - Bengali Version (Regional Language Section):
<https://pib.gov.in/PressReleseDetailm.aspx?PRID=1621471#.XrLXVmKgMU.whatsapp>
 - The Tweet Link :
<https://twitter.com/PIBKolkata/status/1258041646811361281>

This Tweet is hashtag with @PMOIndia
@narendramodi @MoHFW_INDIA
@moayush @ICMRDELHI @FinMinIndia
@HRDMinistry

Adversity to an opportunity

Hand-holding activities of JISCE Alumni

WEBINARS CONDUCTED BY DISTINGUISHED ALUMNI

CONDUCTED – 33

Our distinguished alumni are also highly involved to interact and motivate our students by sharing their valuable knowledge and experiences through webinar. A lot of webinars have been organized during this period. Apart from webinar, Digital Alumni meet was also organized to facilitate and coordinate alumni activities at JISCE.



“Successful warrior is average man, with laser-like focus”

--Bruce Lee

Responses of Parents under this pandemic

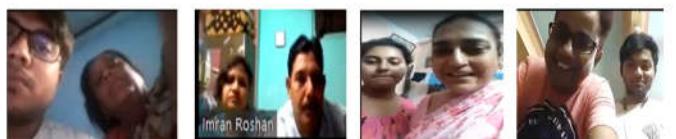
PARENT TEACHER MEETING

CONDUCTED – 17

Virtual Parents Teacher Meet was organized by all the departments of JIS College of Engineering to inform and to take the valuable feedback of the Parents about the teaching learning initiatives taken by us during this pandemic.



Parents expressed gratitude over online class conduction carried out by JISCE to complete the syllabus along with the various initiative taken to keep their ward productive during this period.



Cooperation of the International academic partners

INTERNATIONAL WEBINARS

CONDUCTED: 05

JIS College of Engineering organized International Webinars in association with Foreign Universities viz. University of Cambridge, UK; Moscow Institute of Physics & Technology, Russia ; University of Latvia ; Alamo College District, USA; and University of Texas at El Paso.

The objective of the international webinar was to explore and understand the Role of Educator in post COVID. Also to find out the global education roadmap for a new tomorrow.

International Webinar on Role of Educators during Covid-19 situation was organized on 13.04.2020 in association with Cambridge University.

To boost the productivity and competency of our faculty members in the area of research & development, International Workshop on Proposal Writing and Project Development Workshop was conducted by MIPT, Russia & University of Latvia on 17th April'20.

International Webinar on Global Challenges & Opportunities in Remote Instruction was organized in association with Alamo Colleges on 27.04.2020

Prof. Richard Posthuma, UTEP, El Paso, delivered his webinar on Post CoVID HR Policies on 16.05.2020. He focused on the new normal to be practiced on the job. He Discussed the probable new trends in HR policies.

Mr. A.K. Sravat, CEO, Wabag Ltd., Bangkok, delivered his webinar on Strategies to combat economic downfall in recent pandemic situation on 02.05.2020.



“Great things are done by a series of small things brought together”

--Vincent Van Gogh

Role played by JISCE Industry Partners

INDUSTRY COLLABORATIVE WEBINARS

CONDUCTED – 89

To bridge the gap between Industry and Academia, JIS College of Engineering has organized plethora of Industry collaborative webinar for its students through digital platform.

Industry Institute Partnership Cell, JISCE and the department have conducted webinar with a multiple number of renowned industry like TCS, Cognizant, Bengal Beverages – Coca Cola, Kariwala Industries, CESC Ltd., Wadhwani Foundation, L&T, Philips, Doosans Power Systems, IBM, Accenture, WIPRO, Electrosteel Castings Ltd., GAPCON, BHEL, Siemens, to name afew. The industry personnel not only informed the budding engineers about the recent trend in industries but also informed them the various attributes that the employers are looking for their employees & freshers during this pandemic.



“ We know what we are, but we know not what we may be”

-- William Shakespeare

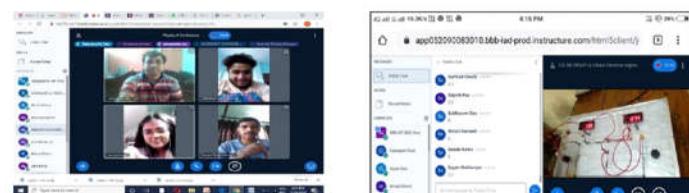
Scheduled academic activities on virtual platform

Online Digital Class:

DIGITAL CLASSES

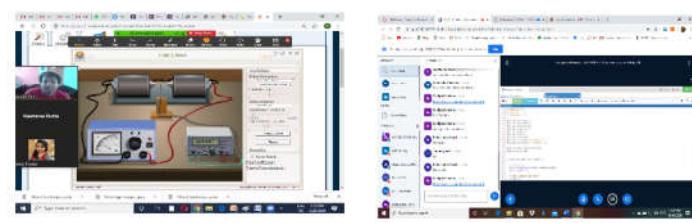
CONDUCTED: 4985

During this COVID19 Pandemic Situation in lockdown period our Teaching-Learning have been continuing through several Digital Platforms like CANVAS, ZOOM, GOOGLE MEET, GOTO MEETING and lots more. Being India's First Premier FLIPPED Institution and practicing Digital Learning since 2016-17 onwards, we at JISCE all faculty members along with our students are highly comfortable in the Digital Teaching learning approaches.



Our Technical Staffs have also taken their Lab classes through different platforms like virtual lab, remote sharing etc. Familiar platforms like QUIZZZ, CANVAS

Poll has been used for online assessment for students. Online sessions have been made more interesting through real-time Question Answer and doubt clearing sessions and online project meeting. Online project assessment is another feather to this online journey.



“ Innovation distinguishes between a leader and a follower”

– Steve Jobs

Development of Projects, Research, Publication during lockdown

RESEARCH WORK

Research Activities is a continuous process in JISCE. Faculty members along with their students are involved in publication of National and International paper in various journals and conferences.

Department of ECE :

1. Paper Published in **SCI Indexed Journal** "Multiplexing and encryption of images using phase grating and random phase mask" Journal - Optical Engineering 59 (3).
2. Paper Published in Scopus Journal "Object grasping classification using K-Nearest Neighbour for enhance dexterity of robotic arm" International Journal of Control Automation,
3. Student Paper with **collaboration of ISRO** " Study of Land cover Analysis using Satellite and Arial Images" Journal – IJSRED , Vol – 3, Issue – 2,
4. Student Paper" on video compression and reconstruction using down sampling and up sampling" Journal – IJARSE , Vol – 9, Issue – 5

Department of IT:

1. Sumit Das, Paper Title: "**Machine intelligent diagnostic system (MIDs): an instance of medical diagnosis of tuberculosis**". Journal Name: Neural Computing & Application (2020). Citation Index 57, SCI Journal, Impact Factor: 4.664, DOI: <https://doi.org/10.1007/s00521-020-04894-8>.
2. Sumit Das, Book Title: "**Artificial Intelligence in Healthcare Subtitle: Intelligent Techniques for Medical Diagnosis**", Authors: Sumit Das, Manas K Sanyal , ISBN:978-620-0-78734-7 Publisher: LAP.
3. RupashriBarik, Paper Title: "**Comparative study of Different Edge Detection Methods with Cellular Automata Based Approaches in Bio-Medical Image Processing**" has been accepted on 7th International

Conference on Microelectronics, Circuits and Systems(MICRO2020), Conference Dates: June, 5th-6th, 2020, Organizer: Delhi Technological University, Delhi, India.

Department of CE :

1. **The Abstract of Mr.Kaustav Das, AP, CE** has been accepted for poster presentation to present at ICABEE-BIO-2020 with Abstarct Id -**N-02** entitled "A Review On Recent Advancement In Pharmaceutical Drugs By Using Nanotechnology

Department of CSE :

Dr. Dhrampal Singh:

1. A New Bio-inspired Social Spider Algorithm", has been accepted for publication in International Journal of Applied Metaheuristic Computing 12(1), 2021.

2. A Comparative Study of Meta Heuristic Model to Assess the Type of Breast Cancer Disease IETE Journal of Research Assessment of Annual Average Temperature by Clustering Algorithm

The RICE-2020 conference proceedings will be publishing with Advances in Intelligent Systems and Computing, Springer ISSN: 2194-5357

A : Application of Augmented Reality and Virtual Reality in Education," for the upcoming book, "Implementing Augmented Reality into Immersive Virtual Learning Environments." (Accepted)

B : "IoT based Health Care System," for the upcoming book, "Impact of Deep Learning and IoT on Multi-Industry Applications (Accepted)

C : A Survey on Prediction Models in Machine Learning," for the upcoming book, "Automated Feature Engineering and Advanced Applications in Data Science. (Accepted)"

Mr. SudiptaSahana:

1. International Journal of Cloud Applications and Computing Volume 10 • Issue April–June 2020 A Conceptual Framework Towards Implementing a Cloud-Based Dynamic Load Balancer Using a Weighted Round-Robin Algorithm
2. Assessment of Annual Average Temperature by Clustering Algorithm
3. The RICE-2020 conference proceedings will be publishing with Advances in Intelligent Systems and Computing, Springer ISSN: 2194-5357(Accepted)
4. "IoT based Health Care System," for the upcoming book, "Impact of Deep Learning and IoT on Multi-Industry Applications (Accepted)

Mr. Sumanta Chatterjee:

- 1."Microcontroller Based Smart Door Locking system" 1st International Conference on Contemporary Issues in Computing, ICCIC 2020, Kolkata. Accepted.
2. "IOT BASED INTELLIGENT WATER QUALITY MONITERING SYSTEM" communicated in International Conference on Emerging trends in Science & Technology (ICETST-Techmeet2020).
3. "SMART COMBO STICK FOR BLIND PERSON" communicated in International Conference on Emerging trends in Science & Technology (ICETST-Techmeet2020).
4. "Microcontroller Based Wearable Location Tracker System with Immediate Support Facility" communicated in International Conference on Emerging trends in Science & Technology (ICETST-Techmeet2020).

Dr. PranatiRakshit:

- 1.Estimation of Mosfet count in an integrated circuit with machine learning approach
2. Recommendation System using Sentimental Analysis Number : 207

Mr. Amit Majumder:

1. "Bio-molecular Event Trigger Extraction by Word Sense Disambiguation Based on Supervised Machine Learning Using Wordnet-Based Data Decomposition and Feature Selection" in the Proceedings of the Global AI Congress, published in April, 2020. pp 391-398 (AISC, volume 1112)
2. A Book Chapter on "A Study on various Applications

of Data Mining and Supervised Learning techniques in Business Fraud Detection" submitted in IGI Global on 5th April, 2020

Ms. Ira Nath:

1. Automatic Music genre detection using ANN Springer Nature
2. Application ofAugmented Reality and Virtual Reality in Education," for the upcoming book, "Implementing Augmented Reality into Immersive Virtual Learning Environments." (Accepted)
3. "A Survey on Prediction Models in Machine Learning," for the upcoming book, "Automated Feature Engineering and Advanced Applications in Data Science (Accepted)

Department of ME

Dr.Jayanta K. Biswas:

- 1.Design of Patient Specific Spinal Implant (Pedicle Screw Fixation) using FE Analysis and Soft Computing Techniques in Current Medical Imaging Vol. 16, No. 4, 371-38
2. Biomechanics of Spinal Implants – A Review in Biomechanics of Spinal Implants – A Review.
3. Design and development of a novel expanding flexible rod device (FRD) for stability in the lumbar spine: A finite element study in The International Journal of Artificial Organs

Ms. Thia Paul:

Development and Parametric optimization of abrasive jet machining setup in Materials Today: Proceedings Vol. 22, Part 4, 2306 – 2315

Mr. Shishir Kr Biswas:

Studying the effect of machining parameters on surface roughness and hardness in milling of AA6061 Aluminium alloy in Journal of Association of Engineers, India

Dept of CMS:

1. Title of Book Chapter : 'Introspection of medical Tourism in and around Kolkata through SERVQUAL', *Innovative Business Practices in a VUCA world*, p332-352,ISBN 978-93-89657-14-2
2. Scopus publication Journal of XI'AN University of Architecture & Technology, 'Factors influencing the selection of destination city for medical treatment among foreign patients in Kolkata, West Bengal, India' citation:0.23, impact factor: 3.7

Dept. under BSHU

Physics:

1. S.Koley, S. Sen, S.Chakraborty,Role of molecule-electrode coupling strength in inducing inelastic

transmission spectra of Hf@C28, Chemical Physics. Impact factor: 1.822.

2. **R. Bhowmick**, M. Chattopadhyay, S. Sen, Multifunctional spintronic feature in two-dimensional graphitic tunnelling structure: g-C₄N₃-graphene-g-C₄N₃, Carbon.

3. S. S. Roy, Transcription, torsional stress and the bending dynamics of DNA Phys Astron Int J. 2020; 4(1):30-32.

4. **S. S. Roy**, Topological Configuration in the Heisenberg Spin Sequence and DNA, Mathematical Analysis and Applications in Modeling, Publisher: Springer Singapore, Book Series: Springer Proceedings in Mathematics & Statistics, Print ISBN: 978-981-15-0421-1, Electronic ISBN: 978-981-15-0422-8, Feb- 2020

Mathematics:

1. **Majumder**, D., Bhattacharjee, R. and Dam, M. "Fuzzy supply chain performance measurement model based on SCOR 12.0", V.K. Solanki et al. (eds.), Intelligent Computing in Engineering, Advances in Intelligent Systems and Computing, Vol. 1125, pp. 1129-1139, Springer.

2. Saha, B., Bhattacharjee, R., **Majumder**, D. Risk of extinction of species in an ecological system: estimation and analysis. Sustainability in Environmental Engineering and Science. Springer Nature. (Final acceptance for publication received on 29th May 2020).

3. **S. S. Santra** and J. G. Dix; Necessary and sufficient conditions for the oscillation of solutions to a second-order neutral differential equation with impulses. Nonlinear Studies, (Accepted on 07 April 2020).

4. **S. S. Santra**; Necessary and sufficient conditions for oscillation of second-order differential equation with several delays. Studia Universitatis Babes-Bolyai Mathematica. (Accepted on 10 May 2020).

5. A. K. Tripathy and **S. S. Santra** ; On oscillatory nonlinear forced neutral impulsive systems of second order. Journal of Mathematical Sciences. (Accepted on 19 May 2020).

6. **S. S. Santra** ; Necessary and sufficient conditions for oscillation of second-order half-linear differential equation with several delays. Nonlinear Dynamics and Systems Theory. (Accepted on 26 May 2020).

7. **S. S. Santra**; Oscillation Results for Nonlinear Neutral Impulsive Differential Equations, NOVA Publisher, USA. (Accepted on 26 May 2020)

8. **S. S. Santra**; First-Order Forced Functional Differential Equations, NOVA Publisher, USA. (Accepted on 26 May 2020)

Humanities:

1. **A. Guha**, Rereading "The Inheritance of Loss" : Identity Crisis in the colonial, (post) colonial and the (neo) colonial Worlds International Journal : Setu ISSN No.:2475 - 1359 Issue: March 2020

Chemistry:

1.A. **Barman**, Journal of Inorganic and Organometallic Polymers and Materials

Title of paper: Stabilization and Dispersion of ZnO Nanoparticles in PVA Matrix

DOI <https://doi.org/10.1007/s10904-019-01395-7>

2. **A. Barman**, Book : Encyclopedia of Materials: Plastics and Polymers

Title of Chapter: Testing and Characterization of Plastic Bricks

Manuscript code: 00118 Publisher: Elsevier

3. **Dutta, T.** and Majumdar, G. (2020). Advanced Vehicle Systems and Technologies: Economic and Environmental Implications. In: Hashmi, Saleem and Choudhury, Imtiaz Ahmed (eds.). Encyclopedia of Renewable and Sustainable Materials, vol. 3, pp. 232–244. Oxford: Elsevier. <http://dx.doi.org/10.1016/B978-0-12-803581-8.11050-1>

4. **Dutta, T.**, **Barman, A.** and Majumdar, G. (2020). Green and Sustainable Manufacturing of Metallic, Ceramic and Composite Materials. In: Hashmi, Saleem and Choudhury, Imtiaz Ahmed (eds.). Encyclopedia of Renewable and Sustainable Materials, vol. 3, pp. 474–486. Oxford: Elsevier.<http://dx.doi.org/10.1016/B978-0-12-803581-8.11023-9>

5. **Dutta, T.** Bhattacharjee, S. and **Chakraborty, J.** (2020). Sustainable Carbon Di-Oxide Sequestration Using Photosynthetic Reactions. In: Hashmi, Saleem and Choudhury, Imtiaz Ahmed (eds.). Encyclopedia of Renewable and Sustainable Materials, vol. 3, pp. 759–770. Oxford: Elsevier. <http://dx.doi.org/10.1016/B978-0-12-803581-8.11025-2>

6. **T. Dutta***, H. Chaudhuri, Chiranjit M.; "Pollution in Damodar River Basin- A statistical analysis", SWRMCC,2020, International Conference organized by the School of Water Resources Engineering, Jadavpur University, Kolkata, West Bengal (India) in Collaboration with Department of Geography, Women's College Calcutta and NIT Durgapur from 13th March-15th March, 2020.

7. **T. Dutta**, S. Pramanik, P. Kumar "IoT for Healthcare Industries: A Tale of Revolution", Healthcare Paradigms in The Internet of Things Ecosystem, Elsevier.

8. **T. Dutta**, K. S. Banu, G. Majumdar, "Effect of Contamination on characteristics of plastic and polymeric materials", Encyclopedia of Materials: Plastics and Polymers, Elsevier.

Co-curricular activities maintaining social distance

INTERNSHALA STUDENTS PARTNER

Following two students have been selected as Internshala Students Partner from AICTE in ISP 17 program



Mr. Debasish Ghosh
2nd Yr students,
ISP CODE:ISP17DEBA7890
ME, JISCE



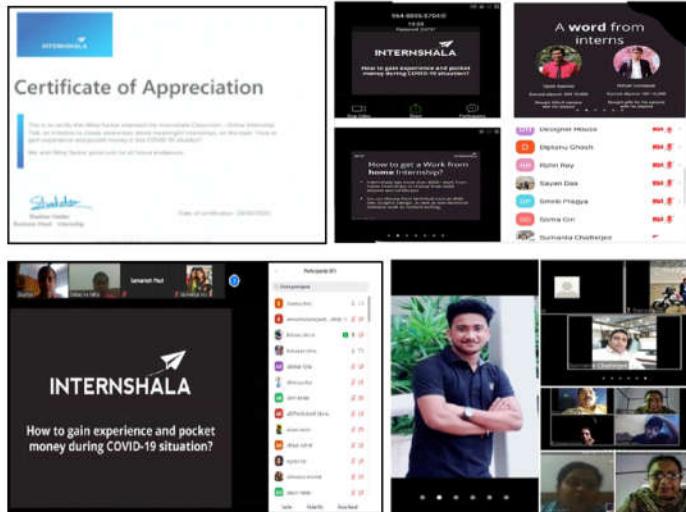
Ms. Sattama Basu
2nd Yr students,
ISP CODE:ISP17SATT8167
ECE, JISCE

Internship Seminar

Seminar on Internship was conducted for the students during 27th April to 12th May'2020. The topic for discussion was on How to gain experience and pocket money during COVID-19 situation?

Student coordinator of Internshala interacted with more than 1000 students over a week and informed them about the ample opportunity that AICTE Internshala is providing for the students.

We are happy to inform you that the students from JIS College of Engineering have been hired for an internship listed on Internshala, during lock down



“ All our dreams can come true if we have courage to pursue them ”

-Walt Disney

HACKATHON

- Team The Blazing Hurricane , from CSE 2nd Year , JISCE under the mentorship of Mr. Sumanta Chatterjee, Asst Professor of CSE Department ,JISCE has been selected for SIH2020 - Software Version, Grand Finale.

- Team Hydro Ecectrus, from EE 2nd Year, JISCE under the mentorship of Dr.Bidhan Malakar, Asst Professor of EE Department, JISCE and Dr. Anal Ranjan Sengupta, Asst Professor of ME department, JISCE has been selected for SIH2020 - Hardware Version, Grand Finale.

THE CSI – STUDENT CHAPTER:

The CSI–Student Chapter, JIS College of Engineering, has successfully organised three National Events, in three consecutive weeks, setting a milestone of triumph over the lockdown and withholding the high spirit of the fellow countrymen,



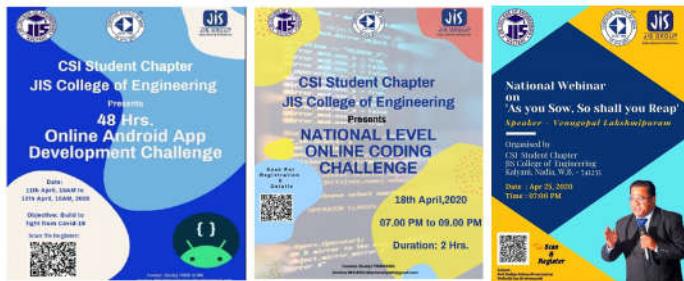
“ Whenever you find yourself on the side of the majority, it is time to pause and reflect –Mark Twain ”
--Mark Twain

spread of positivity across the length and breadth of the nation.

On the 11th of April, 2020, at 9.30 a.m. the CSI – Student Chapter, conducted their first **National Level 48 Hrs. Android App Development Challenge**.

On the 18th of April, CSI – Student Chapter, conducted **National Level Coding Challenge**, this time there was a massive participation of 650 students, all across the nation.

On the 25th of April, 2020, a National Webinar was held on “**As you Sow, So shall you Reap**”, by the CSI – Student Chapter, JIS College of Engineering, Kalyani. The speaker for the evening was Shree Venugopal Lakshmpuram.



“ Education is the most powerful weapon you can use to change world ”

— Nelson Mandela

IIC CELL ACTIVITY CONDUCTED – 14

(INSTITUTION INNOVATION COUNCIL-MHRD, GOVT. OF INDIA)

JIS College of Engineering through its IIC Cell organized various webinar and competition even during the lockdown. To name afew, Integrated Hackathon, Dream @JISCE, Quiz Competition, Mock Parliament got the overwhelming response from the students.



“ Tact is the Art of making a point without making an enemy ”

— Isaac Newton

Co-curricular activities maintaining social distance

INSTITUTIONAL WEBINAR

DURING COVID-19 PANDEMIC SITUATION

- Webinar on "PANDEMIC Triggers Socio-Cultural & Gender Conflicts at Home" on 12.04.2020 Speaker : Ms. Roma Roy, Advocate, High Court
- International Webinar on "Role of the Educators during COVID-19 situation" was held on 13.04.2020 Speaker : Prof. Ajay Kumar Ray, IIEST, ShibpurDr. Manpreet Manna, Former Director at AICTE, Dr Mukesh Kumar, Professor, Cambridge University, UK
- International Workshop on Project Proposal Writing was held on 17.04.2020 with MIPT & University of Latvia, Russia
- Webinar on "Effect of Lockdown on Indian Power Sector" held on 24.04.2020 Speaker: Mr. Rajarshi Ghosh, Deputy General Manager, CESE

- Webinar on " Students Preparedness in Post COVID 19 Scenario" was held on 24.04.2020 Speaker: Prof. Rajive Kumar, Member Secretary, AICTE
- Webinar on " Global Opportunities" with Alamo held on 27.04.2020
- Webinar on " Re explore Your Position in Post COVID 19 Ballgame" held on 28.04.2020 Speaker: Prof. Dileep Makhade, Adviserl, AICTE



**“ Strength does not come from physical capacity.
It comes from an indomitable will ”**

— Mahatma Gandhi.

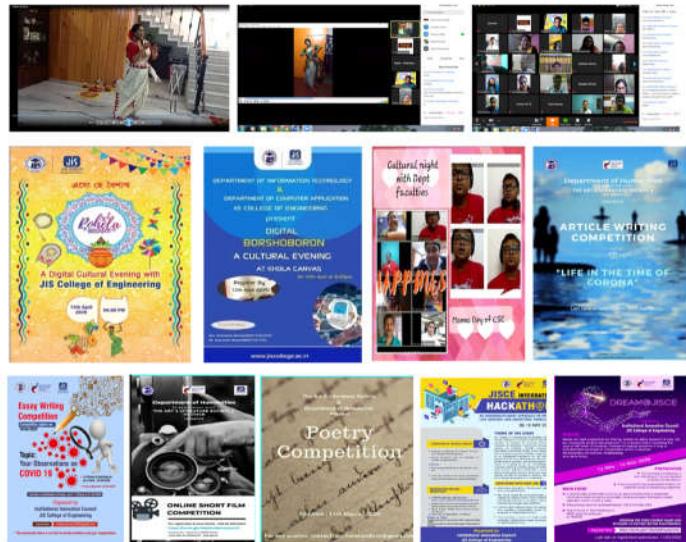
Extra-curricular activities maintain social distance

CULTURAL ACTIVITY

To cheer the spirit up and kill the boredom & depression caused by lockdown, JISCE organized Digital Cultural Evening cum online get together where all the family members of JISCE i.e students, faculty, staff and management shared the common platform and engaged themselves culturally. The event encompassed Singing, Dancing, Recitation, Caricature, Instrumental and many more.

The other activities included:

- Digital Cultural Evening – Bengali New Year Celebration was held in 14th April evening. Our students, faculty and staff members were participated and all of us enjoyed a lot the 1st cultural evening in digital platform.
- Cultural Night was organized by CSE Dept. with departmental faculties on 26.04.2020
- "Khola Canvas" the Bengali New Year celebration was conducted by It Department in Digital Platform
- Poetry Competition
- Photography Competition



“ Education is the manifestation of divinity already in man ”

— Swami Vivekananda

Digital Education-for all

TRAINING OF SCHOOL TEACHERS BY TEAM-JISCE

JIS College of Engineering organized Online Training on Digital Pedagogy for the school teachers from 200 school across West Bengal.

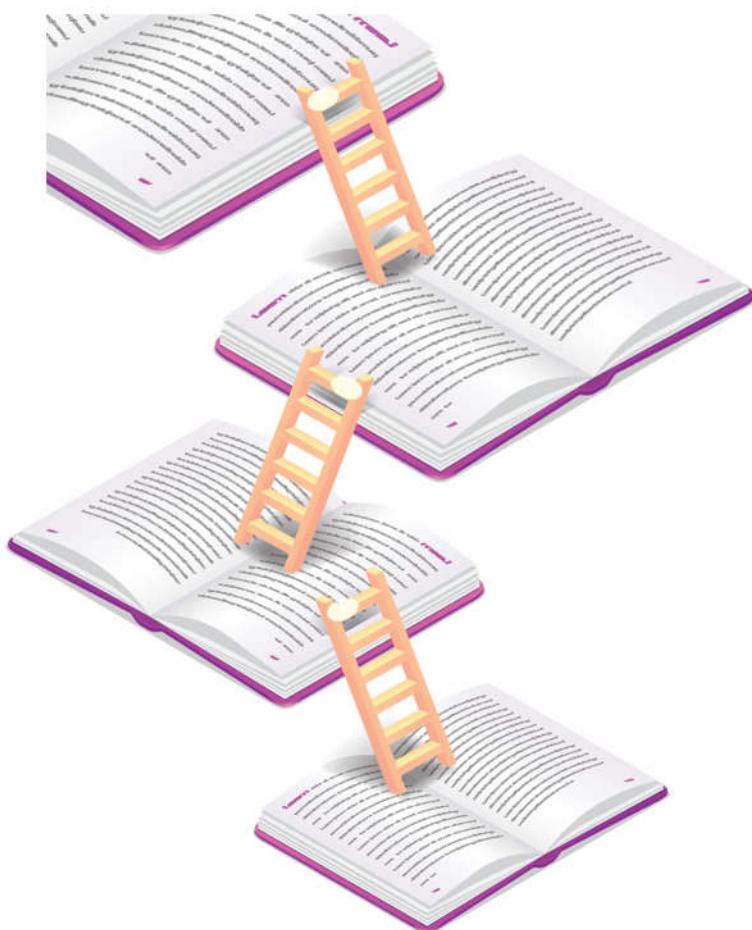
Moreover, online workshop on Physics, Chemistry & Mathematics was organized for the school students of standard 10 +2.



ABOUT JISCE

Since its modest beginning of laying of the foundation on that rainy day of September 1st, 2000 by SardarJodh Singh, Chairman, JIS Group, the JIS College of Engineering has gone from strength to strength until now. Having seven undergraduate taught programmes with the three being in core engineering such as Civil, Mechanical & Electrical followed by Biomedical Engineering, Electronics & Communication Engineering, Computer Science Engineering & Information Technology. We have four postgraduate taught programmes.

As a mission of transforming education, in 2017 JISCE made quantum jump in the pedagogical initiative through Flipped learning-first fully Flipped Institute in India as endorsed by AICTE, MHRD, Govt. of India. There has been a radical change in overall infrastructure through 21 Smart class rooms, two number digital studios. The uniqueness of a smart class is remember & understanding is done at home, while its application, critical evaluation of concept and creating new ideas are done in vibrant classroom. The teacher's role is elevated to that of moderator of a brainstorming session. Each of these rooms have wired and wi-fi connectivity, Audio Visual presentation through LCD projector and complimenting Sound System.



COURSES OFFERED

B.Tech in

- Bio Medical Engineering
- Civil Engineering
- Computer Science & Engineering
- Electrical Engineering
- Electronics & Communication Engineering
- Information Technology
- Mechanical Engineering

M.Tech in

- Electrical Devices & Power System
- Mechanical Engineering
- Mobile Communication & Networking Technology
- Computer Science & Engineering

Diploma in

- Electrical Engineering
- Mechanical Engineering

Master of

- Business Administration

Bachelor of

- Business Administration
- Computer Application

Education Beyond Ordinary



National Institutional Ranking Framework

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