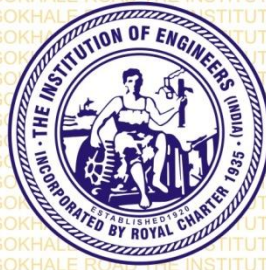


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The Institution of Engineers (India)



is pleased to establish Students' Chapter at the

Department of Electronics & Communication Engineering

**JIS College of Engineering
Kalyani, West Bengal**

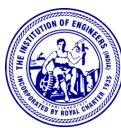
Issued on : 10 Oct 2019

Valid up to : 09 Oct 2022


SECRETARY & DIRECTOR GENERAL



E-RRADICATE 2020 - COVID-19 Innovation Challenge, 10th & 11th April 2020, at ECE, JIS College of Engineering (Autonomous), Kalyani



Report

Initiative taken at the outset of lockdown period by the members of IEI students' chapter, Electronics and Communication Engineering department, JISCE to organize a students' idea competition E-RRADICATE 2020 - COVID-19 Innovation Challenge during 10th and 11th April, 2020, 4PM onwards through online digital meeting platform. Main objective of the event is to trace out possible solutions to the listed problems of COVID-19.

During its inaugural session Prof. (Dr.) Partha Sarkar, Principal, JIS College of Engineering, Kalyani has delivered the motivational welcome address. Dr. Biswarup Neogi, HoD, ECE, JIS College of Engineering, Kalyani has addressed about the theme of the innovation challenge to the participants. The Chief Guest of the program Dr. Syed Majid Ali, Director Membership, The Institution of Engineers India has mentioned about the importance of innovations to fight against the pandemic COVID-19. Mr. Zahid Hussain, Editorial Assistant, IEI, Kolkata has also joined the common discussion with participants.

Students from various states such as Maharastra, Telengana, Manipur and also from various state institutes outside JIS Group have participated to share solution to the listed problems on COVID-19.

Thanks to the group of judges internal and external to the organizing institute for devoting their valuable times to evaluate and synchronize through online marks submission platform. We are very much thankful for the same to Dr. Kaushik Mandal, Institute of Radio Physics and Electronics, University of Calcutta; Dr. Partha Pratim Sarkar, Department Of Engineering and Technological Studies, University Of Kalyani, Dr. Kaushik Sarkar, Narula Institute of Technology (Autonomous), MAKAUT, Dr. Rajendra Ghosh Dept of Electronics, Vidyasagar University., Dr. Sushovan Sarkar Dr Sudhir Chandra Sur Degree Engineering College, MAKAUT, Dr. Saradindu Panda Narula Institute of Technology (Autonomous), MAKAUT, Dr. Surajit Bari Narula Institute of Technology (Autonomous), MAKAUT, Dr. Sunipa Roy Guru Nanak Institute of Technology (Autonomous), MAKAUT, Dr. Sandhya Pattanayak Narula Institute of Technology (Autonomous), MAKAUT, Dr Anilesh Dey Narula Institute of Technology (Autonomous), MAKAUT, Dr. Sabyasachi Sen JIS College of engineering (Autonomous), MAKAUT, Dr. Papun biswas JIS College of engineering (Autonomous), MAKAUT, Dr. Sandip Bag JIS College of engineering (Autonomous), MAKAUT, Dr. Dharmpal Singh JIS College of engineering (Autonomous), MAKAUT, Dr. Sandip Ghosh JIS College of engineering (Autonomous), MAKAUT, Dr. Karabi Ganguly JIS College of engineering (Autonomous), MAKAUT, Dr. Trina Dutta JIS College of engineering (Autonomous), MAKAUT, Dr. Debasish Das JIS College of engineering (Autonomous), MAKAUT.

For the 2 days of the program participants have unveiled their innovative thought through online presentation followed by question and answers with judges and other participants.

The program host Imran Roshan and his team members Anusweta Roy, Arnab Basu, Ayush Khamrui, Basab Kiran Saha have shown wonderful coordination throughout the program by solving queries to judges, answering queries and solving technical difficulties to participants. Top 10 positions declared as a result of this competition with many joint occupancy found.

The major outcome of this innovation challenge COVID-19 is the formation of research team to fight against the pandemic.

Glimpses of the program enclosed herewith.

**E-RRADICATE 2020 - COVID-19 Innovation Challenge,
10th & 11th April 2020, at ECE, JIS College of Engineering (Autonomous), Kalyani**



**Prof. (Dr.) Partha Sarkar,
Principal, JIS College of
Engineering, Kalyani**



**Dr. Biswarup Neogi,
HoD, ECE, JIS College
of Engineering, Kalyani**

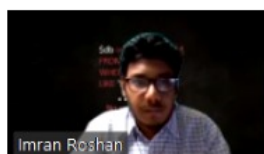


**Dr. S M Ali, Director
Membership, The Institution
of Engineers India**

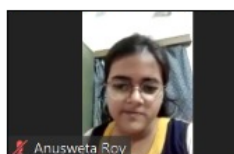


**Editorial Assistant, IEI,
Kolkata**

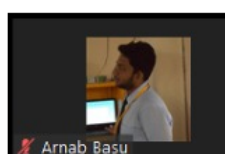
**Organizing Members,
Student Chapter, IEI, ECE, JISCE, Kalyani**



**Imran Roshan, Coordinator,
IEI Student Chapter, ECE
JISCE, Kalyani**



**Anusweta Roy,
Member, IEI Student
Chapter, ECE JISCE,
Kalyani**



**Arnab Basu,
Member, IEI
Student Chapter,
ECE JISCE, Kalyani**



**Ayush Khamrui,
Member, IEI Student
Chapter, ECE JISCE,
Kalyani**



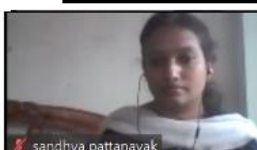
**Basab Kiran
Saha, Member,
IEI Student
Chapter, ECE
JISCE, Kalyani**

**E-RRADICATE 2020 - COVID-19 Innovation Challenge,
10th & 11th April 2020, at ECE, JIS College of Engineering (Autonomous), Kalyani**

Judges Panel



Dr. Saradindu Panda



Dr. Sandhya Pattanayak



Dr. Anilesh Dey



Dr. Surajit Bari



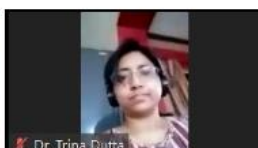
Dr. Karabi Ganguly



Dr. Kaushik Sarkar



Dr. Sandip Bag



Dr. Trina Dutta



Dr. Kaushik Mandal



Dr. Sushovan Sarkar

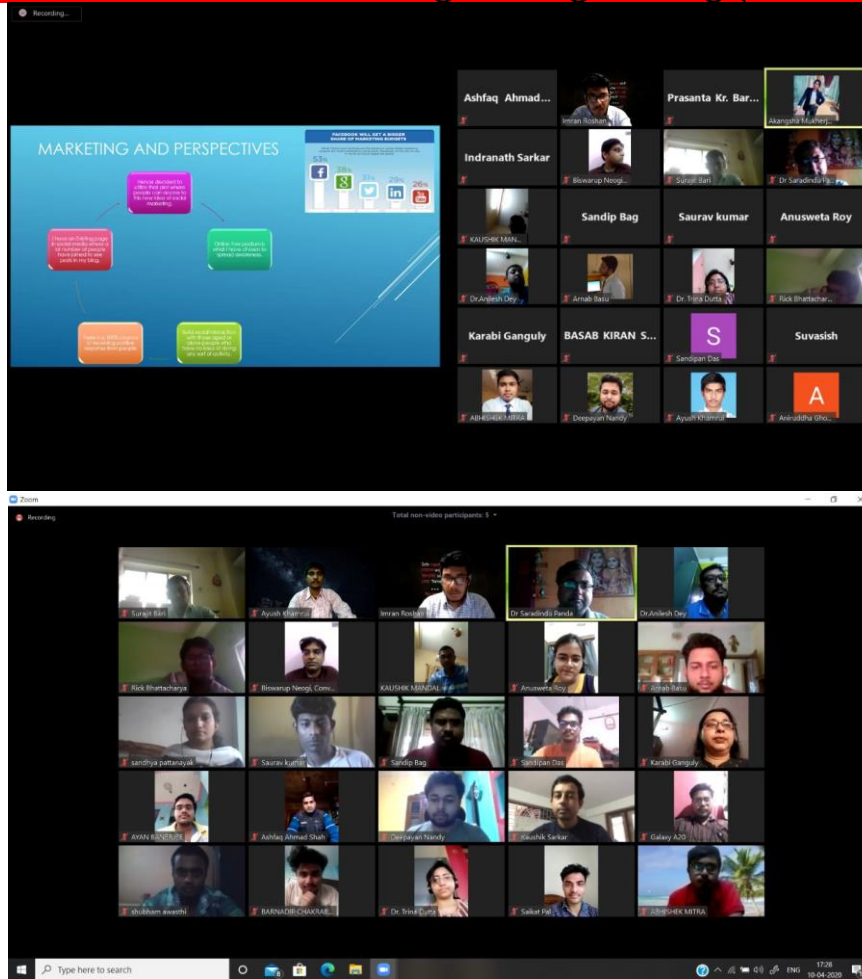


**Dr. Sabyasachi Sen, Dean R&D
JISCE, Kalyani**



**Dr. Papun biswas, Dean Innovative
learnings JISCE, Kalyani**

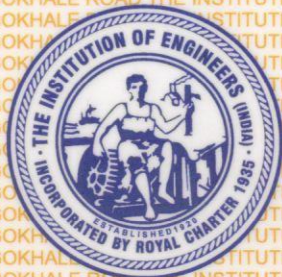
10th & 11th April 2020, at ECE, JIS College of Engineering (Autonomous), Kalyani



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The Institution of Engineers (India)



is pleased to establish Students' Chapter at the

Department of Mechanical Engineering

JIS College of Engineering

Kalyani, West Bengal

Issued on : 31 May 2019

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SECRETARY & DIRECTOR GENERAL



Webinars Organised by:

Department of Mechanical Engineering
JIS College of Engineering

In association with
IEI STUDENTS CHAPTER

association with
IEI STUDENTS CHAPTER

**Webinar
on
Ignition Systems of IC Engine:
Basics and Advancement**

Organised by:
Department of Mechanical Engineering
JIS College of Engineering

Date: 11.06.2020
Time: 07:30 PM
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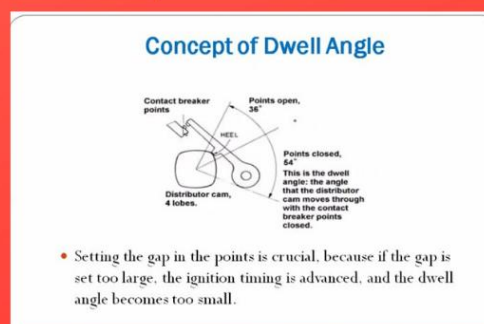
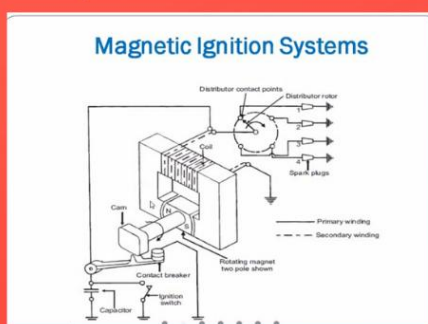
Speaker

Dr. Pradip Mondal
Assistant Professor,
Dept. of Mechanical Engineering
NIT Sikkim

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**Ignition Systems of IC Engine: Basics
& Advancement**

By
Dr. Pradip Mondal
Dept. Of Mechanical Engineering
NIT Sikkim



Webinars Organised by:

Department of Mechanical Engineering
JIS College of Engineering

In association with
IEI STUDENTS CHAPTER

Alumni Connect
Industry Lecture Session
IEI Student Chapter

Webinar on
Brief Overview of GAIL Pata Petrochemical Plant

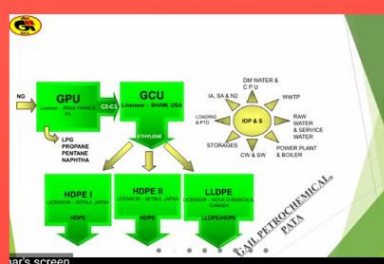
Organised by:
Department of Mechanical Engineering
JIS College of Engineering

Date: 19.06.2020
Time: 07.30 PM
<https://forms.gle/Vev8SapgrtrKw2BA>

Speaker

Mr. Manish Kumar
Manager - Mechanical
GAIL India Limited

W: www.jiscollege.ac.in | M: +91 9432011490



Details of the Co-ordinators and Co-Coordinator for the Institution of Engineers (India) (IEI) Student Chapter, Kolkata, India

Faculty Co-ordinators	Student Co-ordinators
Dr Bidhan Malakar E-mail: bidhan.malakar@jiscollege.ac.in Mobile No. 9101026523	Mr. Deb Sekhar Roy E-mail: dsroy.96.00@gmail.com Mobile No. 9477851425
Dr Mayur Barman E-mail: mayur.barman@jiscollege.ac.in Mobile No. 6002980530	Mr. Debajyoti Sengupta E-mail: debajyotisengupta98@gmail.com Mobile No. 8697893264
Co-Coordinator Mr. Debashis Chakraborty E-mail: dckly1976@gmail.com Mobile No. 7980803980	



WORKSHOP SUMMARY REPORT

Workshop Title: “Five day International workshop on “Generation and Load Balance for Integration of Renewable Energy into Grid”

Date: 06-05-2020 to 10-05-2020 from 11:00 AM to 1:00 PM

Invited Guest Speakers:

Dr. Rajesh Panda, Assistant Professor, Electrical Engineering Department, C.V. Raman Global University, Bhubaneswar.

Dr. Debdeep Saha, Assistant professor Department of Electrical Engineering, Girijananda Chowdhury Institute of Management and Technology, Guwahati.

Mr. Sudhanshu Ranjan, Senior research fellow Department of Electrical Engineering, National Institute of Technology, Silchar.

Dr. Subhojit Dawn, Assistant Professor, Velagapudi Ramakrishna Siddhartha Engineering College Vijayawada, Andhra Pradesh.

Mr. Ahmed Elserif, Research Fellow, Centre of Excellence of Biomass, Helwan University.

Summary of the international workshop

Dear Sir/Madam,

We are very pleased to inform you that the Department of Electrical Engineering of JIS College of Engineering in collaboration with the Institution of Engineers Student Chapter, Kolkata had organized a Five day International workshop on “GENERATION AND LOAD BALANCE FOR INTEGRATION OF RENEWABLE ENERGY INTO GRID” during 6th MAY 2020 to 10th May 2020 for B.Tech, M.Tech, Diploma as well as Ph.D. students.

This international workshop was inaugurated with a welcome address by Dr. Sila Singh Ghosh, registrar JIS College of Engineering. This was followed by a talk by Dr. Sabyasachi Sen, Dean R&D JIS College of Engineering. Dr. Sen

discussed the importance of such an international workshop during this COVID 19 pandemic situation.

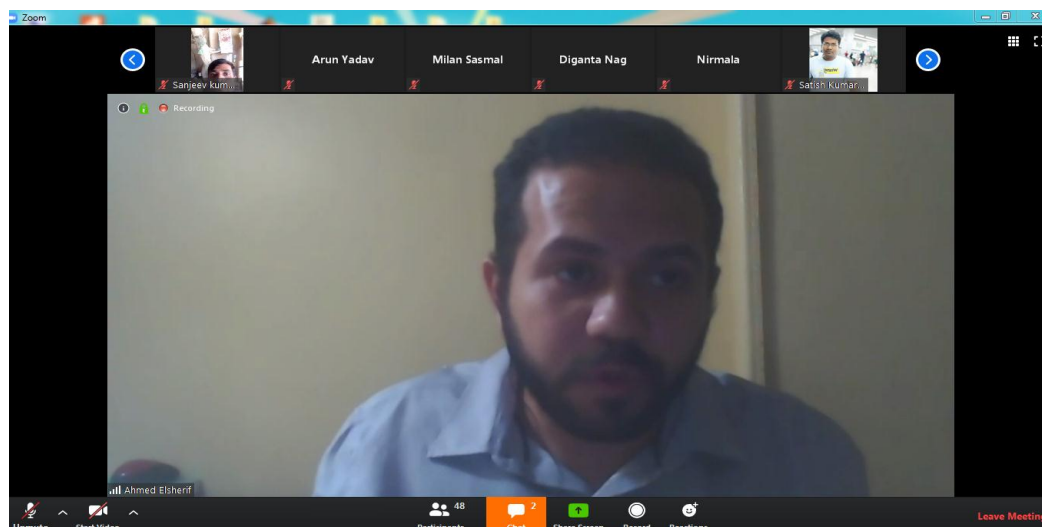
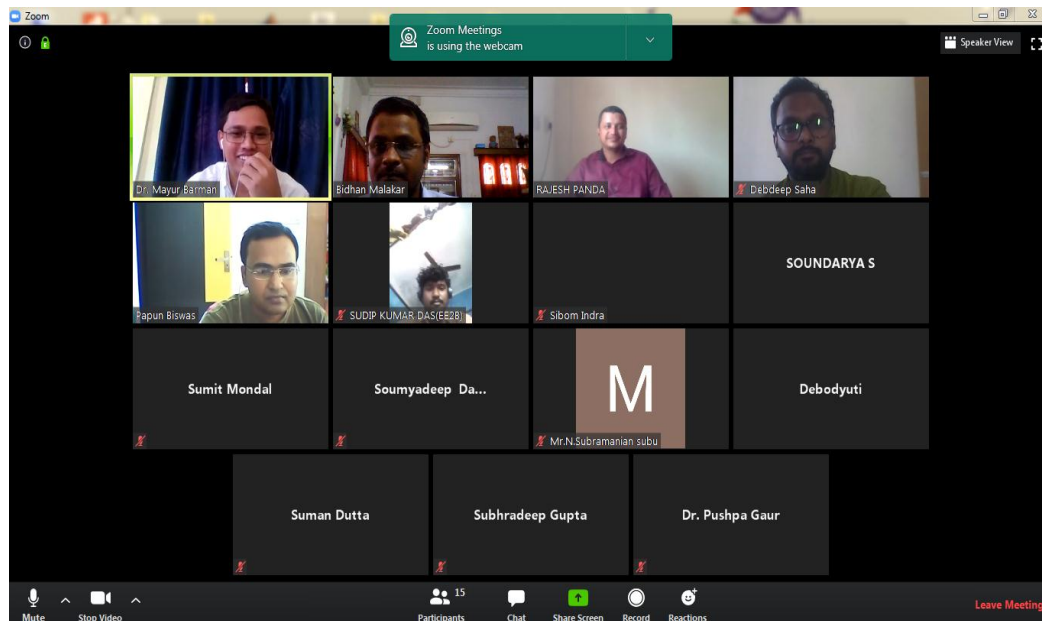
Many prominent technical expert from India as well as Egypt was present as speaker in this international workshop. The workshop was consists of five specific technical sessions as well as a panel discussion. In the 1st technical session Dr. Rajesh Panda, Assistant Professor, Electrical Engineering Department, C.V. Raman Global University, Bhubaneshwar had delivered a lecture on “Integration of DER into Grid: Key Issues and Emerging Solutions”. In the 2nd technical session Dr. Debdeep Saha, Assistant Professor Department of Electrical Engineering, Girijananda Chowdhury Institute of Management and Technology, Guwahati was with us. Dr. Saha delivered a specific technical lecture on “Generation and Load balance during the PM Modi's 9-minute blackout call”. The 3rd technical session was started with a lecture by Mr. Sudhanshu Ranjan, Senior Research Fellow Department of Electrical Engineering National Institute of Technology Silchar. Mr. Ranjan discussed “Transformers for power systems, its losses, and necessities of cooling”. In the 4th technical session, we had with us Dr. Subhojit Dawn, Assistant Professor, Velagapudi Ramakrishna Siddhartha Engineering College Vijayawada, Andhra Pradesh. Dr. Dawn delivered a lecture on “Power System Deregulation & Renewable Energy Integration”. In the 5th technical session, we had we us Mr. Ahmed Elsherif from Egypt. Mr. Ahmed Elsherif is a Research Fellow at Center of excellence of biomass, Helwan University. Mr. Ahmed Elsherif delivered a lecture on “Importance of Biomass Energy and Key Environmental Concern”. At last, we had a panel discussion to clear the doubt of the participant. Apart from the guest speakers, we had with us Mrs. Suparna Pal, Assistant Professor, Department of Electrical Engineering, JIS College of Engineering and Dr. Pushpa Gaur, Assistant Professor, Department of Electrical Engineering, JIS College of Engineering for the panel discussion. Mrs. Pal talked about the importance of renewable energy integration to the grip for fulfilling future energy poverty. Dr. Gaur discussed the importance of interconnected systems in the modern-day restructured electrical industry.

All total of 215 participants from 19 different institutions across the country had registered for this international workshop. Apart from the B.Tech, M.Tech,

Diploma students many Ph.D. students from premier institutes like IIT Kharagpur, NIT Surathkal, NIT Patna, NIT Silchar, and VIT University had joined the workshop. The five days were fascinating and very engaging. To enhance the interaction the participant undergoes a small test after every technical session. Feedback was also collected after every technical session.

On behalf of the Department of Electrical Engineering, JIS College of Engineering this international workshop was coordinated by Dr. Bidhan Malakar and Dr. Mayur Barman.

Some pictures brochure and poster of the workshop is attached herewith.



You are viewing SAJISH PANDYA's screen View Options

INTRODUCTION

- Power generation from renewables often takes place through distributed generation (DG). These units, mostly located in remote locations, are not centrally planned or dispatched, and are usually connected to distribution grids at LV or MV levels.
- As a result, the power generation structure is moving from the traditional large plants and many small generation pool consisting of traditional large plants and many small.
- Since a large group of DG technologies use power electronics to convert power, they introduce many technical issues related to the operation, control and protection, impacting generators, transmission system and consumer devices.
- During the past 50 years since 1965, global power generation from renewables has increased by 500%.

Participants: 65, Chat: 13, Share Screen, Record, Reactions, Leave Meeting

Recording

You are viewing Debdeep Saha's screen View Options

Question 1: Are only domestic lights to be switched off or are street lights, common area lighting, essential services etc lights also to be switched off between 9 - 9:09 pm?

Question 2: Are my domestic appliances safe during the switch off of house lights?

Question 3: Will there be adequate arrangements and protocols to handle grid stability during the light-out event on April 5 at 9 pm?

Question 4: Is it compulsory or voluntary to switch off lights?

Question 5: Some apprehensions have been expressed that this may cause instability in the grid and fluctuation in voltage which may harm the electrical appliances.

Participants (59): 1 person is waiting, Swati, 58 participants in the meeting, Find a participant, Dr. Mayur Barman (Host, me), Debdeep Saha, Invite, Mute All, Unmute All

Participants: 59, Start Video, Security, Manage Participants, Chat, Share Screen, Pause/Stop Recording, Reactions, Stop Meeting



Knok Down 2020

National Level Creative Short Movie Competition

REPORT ON THE NATIONAL LEVEL CREATIVE SHORT MOVIE COMPETITION

Title of the event: Knok Down 2020, National Level Creative Short Movie Competition

Date of the event: 14-06-2020 from 5:00 PM To 8:30 PM

Invited Guests:

Chief Guest:

Dr. Raju Basak, Joint Secretary, Department of Electrical Engineering, Institution of Engineers (IEI), Kolkata, India

Evaluators:

Dr. Abhigyan Ganguly, Post – Doctoral Fellow, School of Electrical and Electronics Engineering, Howard College, UKZN, Durban, South Africa

Dr. Debdeep Saha, Assistant Professor Department of Electrical Engineering, Girijananda Chowdhury Institute of Management and Technology, Guwahati

Dr. Anal Ranjan Sengupta, Assistant Professor, Department of Mechanical Engineering, JIS College of Engineering, Kalyani

Summary of the national level creative short movie competition

Dear Sir/ Madam,

We are very pleased to inform you that the Department of Electrical Engineering of JIS College of Engineering in collaboration with the Institution of Engineers Student Chapter, Kolkata had organized a national level creative short movie competition on 14th June, 2020 for the Students of Polytechnic, B.Tech and M.Tech students. This national event

was inaugurated with a welcome address presented by the invited chief guest Dr. Raju Basak, Joint Secretary, Institution of Engineers (IEI), Kolkata, India. The evaluators of this event are the experts invited for this event from India as well as from South Africa. The evaluators also presented their talk on this event. The central theme of this event is to promote creative thinkers to showcase their skills through a short movie (max. 10 minutes) related to human efforts to combat the pandemic at various levels. The movies submitted by the participants found to be innovative and technically sound. The movies also provide a moral from the story related with the chosen problem areas and they provide a technical solution for the problem. The event consists of a total of twenty different themes for creating the short movie.

Dr. Abhigyan Ganguly, Dr. Debdeep Saha and Dr. Anal Ranjan Sengupta are the invited international and national evaluators and they discussed about the importance of this event.

There are a total of 50 participants participated in this event from different institutes of our country. The participants are the students of Polytechnic, B.Tech and M.Tech from different colleges. The winners are awarded with the winning certificates and every participant is also awarded with the participation certificate.

On behalf of the Department of Electrical Engineering, JIS College of Engineering this international workshop was coordinated by Dr. Bidhan Malakar, Dr. Mayur Barman, Mr. Debashis Chakraborty, Mr. Debsekhari Roy and Debajyoti Sengupta.

Some pictures brochure and poster of the workshop is attached herewith.





