

1. Name of the Activity:

Name of department/ Section/ cell conducting the activity	Electrical Engg department
In coordination with (if any)	AICTE New Delhi
Date of conduct	1 march 2021- 6 march 2021
Activity Coordinator	Mr.Satvinder singh Ms.Rachna Mr.Atma ram
Amount Spent	66784 rupess
Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/ Outside Society/ agency/others (mention)	AICTE
Target audience:	Faculty members from technical institutions
No. of beneficiaries	91
Outside guests/ Details of Experts	14
Brief Description of	The objective of this programme is to equip the participants with working knowledge of fundamentals, design tools, current research and critical issues in the development of micro grid and Electric Vehicle systems. This

the event programme will pave the way for understanding integration of renewable energy resources into the grid integrating renewable energies satisfying the grid codes, enable customer participation, energy storage support, battery, drives and controllers used in microgrid and Electric Vehicles. Some of the focus areas of the programme will be various control challenges in the areas of microgrid, protection issues, energy management and solution of interconnection issues of DG. Participants will also be exposed to the optimization techniques to improve the features of EV. This programme will also provide the participants with recent advancements in the area of microgrid and EV systems.


Attach Brochure of the event

About J.C.Bose University of Science and Technology (NAAC Grade 'A')

The J.C.Bose University of Science and Technology, YMCA Faridabad has been accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade and a CGPA of 3.08 in the First Cycle of Accreditation.



JCBUST was established in 1969 as an Indo-German project, a joint venture of the National Council of YMCA India, the Government of Haryana and the Central Agencies for Development Aid, Bonn, Germany. In December 2009 it was awarded the status of state university by the State Government. Right from the very beginning at institutional level, it has emphasized greatly on practical work related to industry. As a result our students are well accepted by the industries. The fact that many of them are entrepreneur with names of repute at national and international level establishes the same.

The university has also added new chapters in its glorious history i.e. M.B.A., M.C.A, M.Tech. (Computer Engineering, Electrical Engineering, Electronics Engineering & Mechanical Engineering), M.Sc. (Physics, Math's, Chemistry & Environmental Sciences), M.A. (Mass Communication and Journalism) and Ph.D




About the Department

The Department of Electrical Engineering offers a vibrant environment for undergraduate education, postgraduate education and research in Electrical Engineering. The department has been playing a vital role in producing scientists and technologists of highest calibre ever since it was established in the year 1969. The department of Electrical Engineering at J.C.Bose University of Science & Technology, YMCA has evolved with time and offers B. Tech, M Tech and PhD. The UG curriculum provides strong base to the students in electrical engineering and provides exposure to the latest technologies. In addition to the strong undergraduate programme, the department has been playing a pioneering role in producing world class impact on engineering and our environment. The formation of lasting productive partnerships between the participants is also an objective of this conference. This research conference is open to all in the research and scientific community. postgraduates and research scholars. The infrastructure and lab facilities are upgraded from time to time to make the opportunities available for students and researchers. The department is currently engaged in various areas of electrical engineering including Power Studies, Power Electronics, Electrical Drives, Renewable Energy and Power Quality etc.







AICTE Sponsored Online Faculty Development Programme

on
"Power Electronics Applications in Microgrid and Electric Vehicle Systems"
 (1.03.2021 – 06.03.2021)



Organised by
Department of Electrical Engineering
J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD
 NAAC 'A' Grade Accredited State Govt. University
 (Established by Haryana State Legislative Act No. 21 of 2009, Recognized by U.G.C. u/s 2 (f) and T2(B) of U.G.C. Act 1956)
 NH- 2, SECTOR-6, MATHURA ROAD, FARIDABAD HARYANA-121006



jcbouseust.ac.in   /JCBoseUST

FDP Objective

The objective of this programme is to equip the participants with working knowledge of fundamentals, design tools, current research and critical issues in the development of micro grid and Electric Vehicle systems. This programme will pave the way for understanding integration of renewable energy resources into the grid integrating renewable energies satisfying the grid codes, enable customer participation, energy storage support, battery, drives and controllers used in microgrid and Electric Vehicles. Some of the focus areas of the programme will be various control challenges in the areas of microgrid, protection issues, energy management and solution of interconnection issues of DG. Participants will also be exposed to the optimization techniques to improve the features of EV. This programme will also provide the participants with recent advancements in the area of microgrid and EV systems.

FDP Outcome

- Understanding of:**
- Distributed Generation and Microgrid.
 - Renewable energy integration.
 - Recent advances in Microgrid technologies.
 - Control and stability aspects in microgrid
 - Role of power electronic converters in Microgrid and EV.
 - Introduction to hybrid and electric vehicles.
 - EV charging and the grid.
 - EV architectures and environmental impact.

Resource Persons

The sessions will be delivered by eminent professors from IITs, NITs, foreign universities and industrialists in relevant field.

Important information about FDP

- No registration fee
- There are limited seats and the participants are selected on the basis of eligibility criteria and first come first serve basis.
- There will be a quiz at the end of FDP
- For the award of certificate, minimum attendance criteria of 80% and a minimum score of 60% in quiz shall be fulfilled.
- It's mandatory for all participants to submit feedback after each session.

Registration Link

Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSfKjFMhc51g8vINB_ieEZcSNm3dtw2fqmeSiv_rhsiU9VrpA/viewform?usp=pp_url

Contact details of Coordinators

MrSatvinder Singh (+919319246899)

MsRachna (+918585972708)

MrAtma Ram (+919899836017)

Electrical Engg. Department

J.C. Bose University of Science and Technology YMCA, Faridabad.

Email ID: pea.jcbseust@gmail.com

Important Dates

Last date of registration:

28/02/2021

Patron

Prof. (Dr.) Dinesh Kumar (Vice-Chancellor)
J.C. Bose University of Science and Technology, YMCA, Faridabad

Program Chair

Prof. (Dr) Poonam Singhal (Chairperson)
Department of Electrical Engg.
J.C. Bose University of Science and Technology YMCA, Faridabad

Advisory Committee

Prof. P.R Sharma
JCBUST, YMCA Faridabad

Prof. Rajesh Kumar Ahuja
JCBUST, YMCA Faridabad

Prof. Anju Gupta
JCBUST, YMCA Faridabad

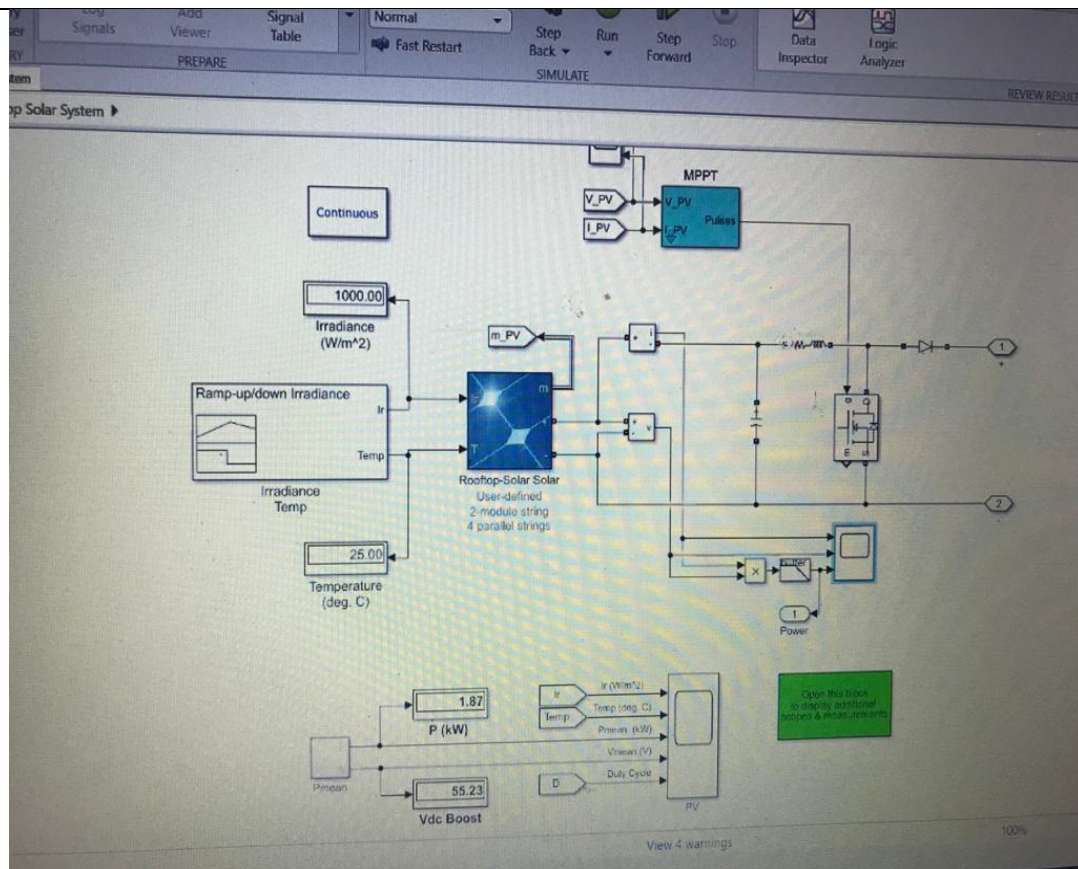
Program Coordinators

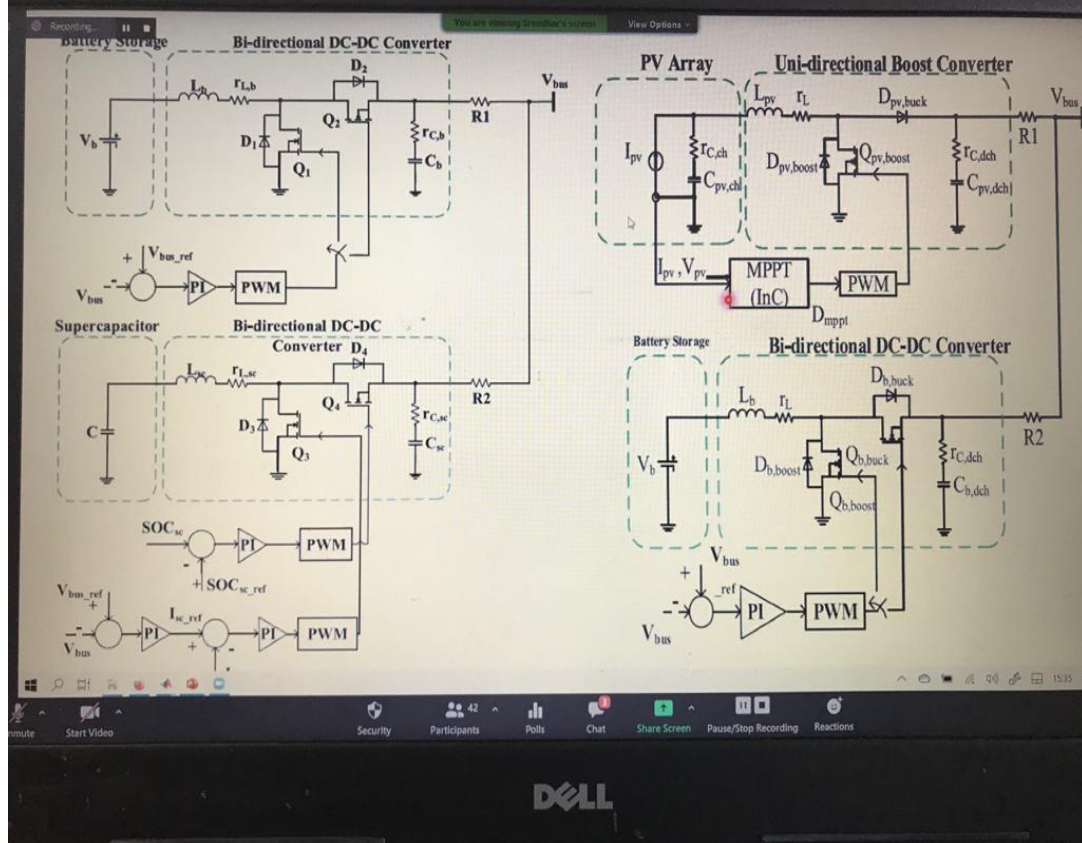
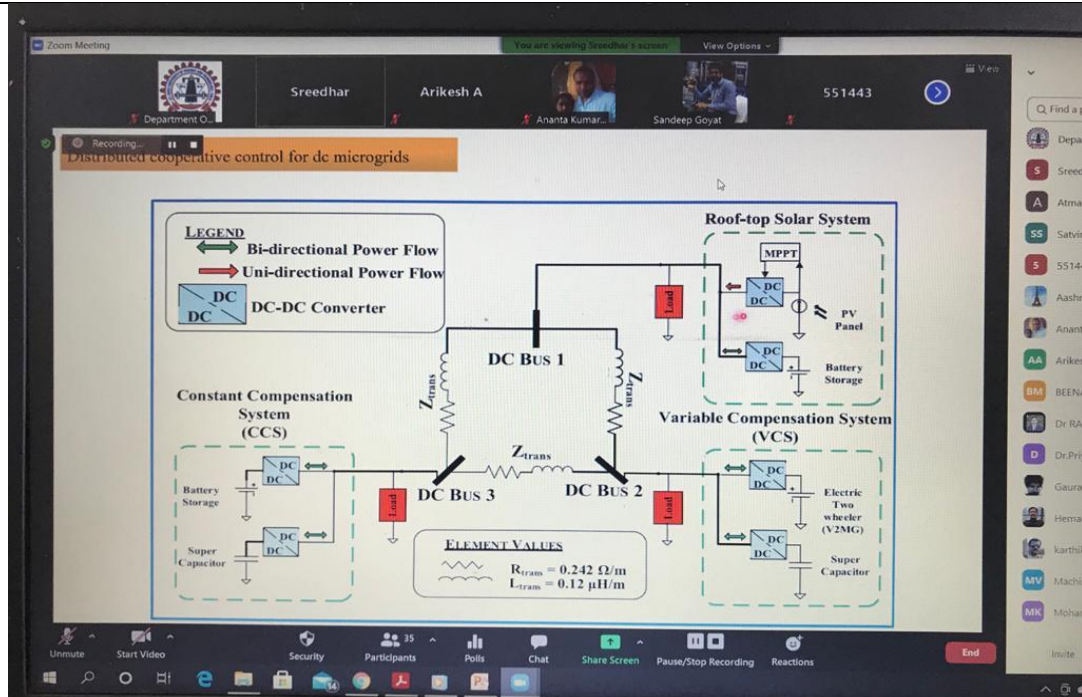
Mr Satvinder Singh (AP, EL)
Ms Rachna (AP, EL)
Mr Atma Ram (AP, EL)

Organizing Committee

Dr Shakuntala
Mr Nitin Goel
Dr Sakshi Kalra
Dr Rashmi Agarwal
Ms Anubha Gautam
Ms Shipra Aggarwal
Ms. Bharti Thakur

attach two/
three good
quality
photographs






Attach certificate of the event

JCBUST/EL/STTP/PE-20

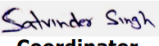



J.C. Bose University of Science & Technology, YMCA, Faridabad
(A Haryana State Government University)
(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22 to confer Degree)
(Accredited 'A' Grade by NAAC)



AICTE Sponsored Online Faculty Development Programme
Certificate

It is to certify that Dr./ Mr./ Ms. Satvinder Singh of
J. C. Bose University of Science & Technology, YMCA Faridabad
has successfully completed the AICTE sponsored Faculty Development Program on
“Power Electronics Applications in Microgrid and Electric Vehicle Systems”
conducted by the Department of Electrical Engineering, J. C. Bose University of Science
and Technology, YMCA, Faridabad, during March 01-06, 2021.


Coordinator


Convener


**Member Secretary
PMC-STTP**

Any other information