

Report of PELS Day 2023

Name of Event : PELS Day 2023

Date : 20-21 June, 2023

Time : 10:30 AM- 04:00 PM

Venue : Seminar Hall, EED

Participants : 2nd, 3rd and 4th year students of EE

Coordinator : Dr. Anurag Dwivedi , Head, EE Department

Co-coordinator: Dr. Arun Kumar Yadav, Associate Professor, EED

Dr. Rachit Srivastava, Assistant Professor, EED

Technical Sponsor : BIET IEEE Student Branch, IEEE PELS Society











Institute Profile

BIET is managed by Bansal Educational Trust founded in the year 2007 and registered under the Societies Registration Act of 1860 with an aim of providing quality technical education. The Institute is attempting to create benchmarks by incorporating new initiatives in the field of education through its learning methodologies and aiming to provide the students with realistic knowledge. The institute has highly qualified and experienced faculty and excellent infrastructural facilities.

Vision of the Institute

To be the most sought after destination in the country in providing quality technical education and be known for producing knowledge driven, skilled and industry ready engineers who can contribute to building strong nation and society.

Missions of Institute

M1: Offer a dynamic, interactive & practical education that engages students in the learning process.

M2: To empower every student by providing an environment that encourages knowledge enhancement, application & growth by engaging management, teachers, students, alumni & industry in the process.

M3: Provide clear learning outcomes by building a robust system of imparting knowledge, analyzing result, taking feedback & improving systems.

M4: Continuous commitment to improvement for producing knowledgeable, skilled & industry-ready professionals.

Department Profile

Electrical Engineering Department of Bansal Institute of Engineering & Technology is established to educate the students in the arena of Electrical Engineering with an emphasis such that students are able to apply basic knowledge to achieve technological advances. The department has been imparting quality education at undergraduate. The courses offered by the department is B.Tech in Electrical Engineering Our mission is to impart knowledge in Electrical Engineering and Technology to meet the international standards and make the Electrical Engineering ethically and emotionally strong enough to meet the technological challenges for the well-being of the human kind. Our degree programs help students to become outstanding professionals, prepared to impact modern society in all manners through the application of cutting edge technology. The course curriculum is being revised from time to time so as to keep abreast with the latest developments and emerging technologies. The department has highly qualified and motivated faculty members from top notch universities of India with publications in international and national journals and conferences in the area of Power System & Control, Power Electronics, Renewable Energy and Smart Grid. The department has state-of-the art laboratories in almost all the areas of Electrical Engineering e.g. Basic Electrical Engineering, Control System, Electrical Machine, Electric Drives, Power System, Power Electronics are the few name to take. The department is also equipped with the latest simulation tools e.g. MATLAB.









Vision of the Department

To emerge as a centre of technical excellence in the field of electrical engineering to mould the students into technocrats to fulfill the requirements of industry and society

Missions of Department

M1: To provide quality and practical education in the field of Electrical Engineering.

M2: To build technically skilled Engineers to meet the current and future requirements of industry.

M3: To empower every student by providing them a strong and positive learning environment through seminar, workshop and personality development classes.

Program Educational Objectives

PEO1: To provide sound knowledge in the field of mathematics, science and electrical engineering to identify as well as to solve real time problems with enhanced efficiency and also, adapt themselves to recent technologies.

PEO2: To transform students in a way that they can work effectively in multi-disciplinary and multicultural groups.

PEO3: To develop moral and ethical values, lifelong learning skills, social responsibility, and aptitude for innovation.

Introduction and Objective of the Event:

The Power Electronics Society (PELS) is one of the fastest-growing technical societies of the Institute of Electrical and Electronics Engineers (IEEE). For over 35 years, the PELS has facilitated and guided the development and innovation in power electronics technology. This technology encompasses the effective use of electronic components, the application of circuit theory and design techniques, and the development of analytical tools for efficient conversion, control, and condition of electric power. Some of our members include distinguished award winners, practitioners, and preeminent researchers.

PELS invites everyone to celebrate PELS Day on 20 June. On this day in 1987, PELS became a full-fledged Society within IEEE. On this occasion, IEEE SB BIET and Electrical Engineering Department, BIET Lucknow, celebrates two days PELS 2023, which involves various activates. Brief details of celebration of two days PELS 2023, are enclosed below:

Day 1	Event	Date/Timing
	Inaugural Function	20/06/2023 (10:30 AM – 11:00 PM)
	Keynote by Dr. Indra Vijay Singh	20/06/2023 (11:00 AM- 12:45 PM)
	Keynote by Dr. Sourabh Ghosh	20/06/2023 (02:00 PM- 04:00 PM)
Day 2	Event	Date/Timing
	Keynote by Dr. Shailendra Kumar Dwivedi	21/06/2023 (11:00 AM - 12:45 PM)
	Valedictory Function	21/06/2023 (01:00 PM- 1:30 PM)









Day 1, Date: 20/06/2023

Inauguration

Event was inaugurated on 20/06/2023 (at 10:30 AM) by Dr. Anurag Dwivedi (Convenor) HoD, EE Department, Bansal IET Lucknow and Dr. Indra Vijay Singh (Chief Guest) Scientist-C ICMR Mumbai. Inauguration function of the event was anchored by Mr. Ashutosh Kumar (EE, 2nd Year). First of all Mr. Ashutosh Kumar welcome to Chief Guest, all Guest, Faculty members, Participant etc. Mr. Ashutosh Kumar introduces Chief Guest Dr. Indra Vijay Singh, and HOD Anurag Dwivedi.

After the introduction Saraswati Vandana was song by Jyoti, Madhuri and Shanvi, B.Tech. 2nd year student.

Dr. Anurag Dwivedi, Head EED, has welcomed all the delegates and participants to the Event. In his speech, Dr. Anurag Dwivedi has highlighted the main objective and importance of the Emerging Trends in Power Electronics and welcomes the Chief guest Dr. Indra Vijay Singh.

After that Dr. Indra Vijay Singh Chief guest of this event enlighten the participants about the role of Power Electronics and IEEE in current scenario of the world. At the last in his speech he gives best wishes for this PELS Day 2023.

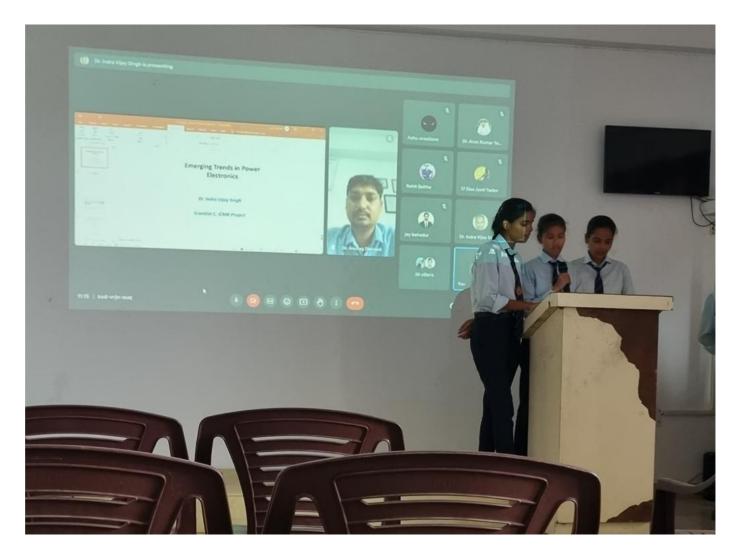












Inauguration Function_Saraswati Vandana by Jyoti, Madhuri and Shanvi





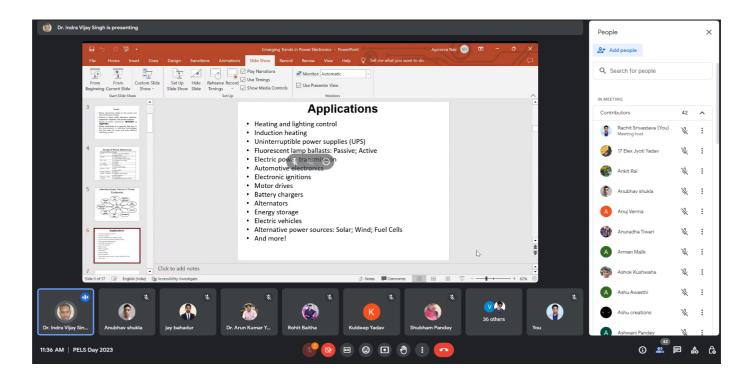


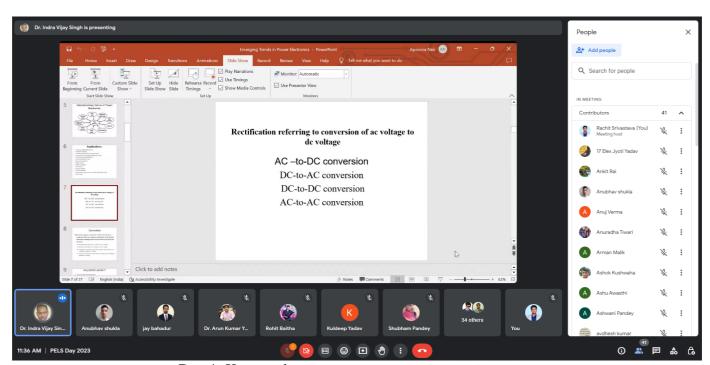


Keynote 1: 11:00AM - 12:45PM

Resource Person: Dr. Indra Vijay Singh, Scientist-C ICMR Mumbai

Topic: Emerging Trends in Power Electronics





Day 1_Keynote by resource person Dr. Indra Vijay Singh







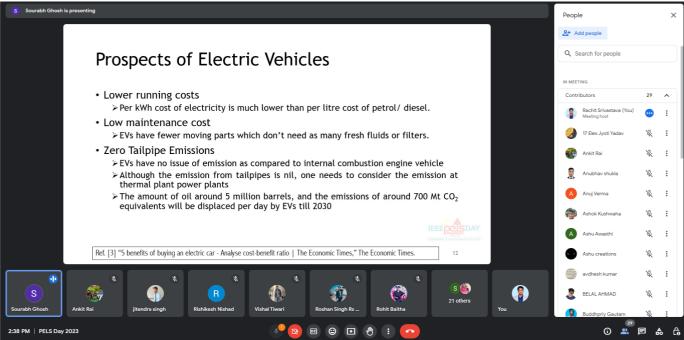


Keynote 2: 02:00 PM- 04:00 PM

Resource Person: Dr. Sourabh Ghosh, Research Associate, MNNIT, Allahabad

Topic: Overview of Renewable Energy Assisted Electric Vehical Charging Infrastructure





Day 1_Keynote 2 by Dr. Sourabh Ghosh







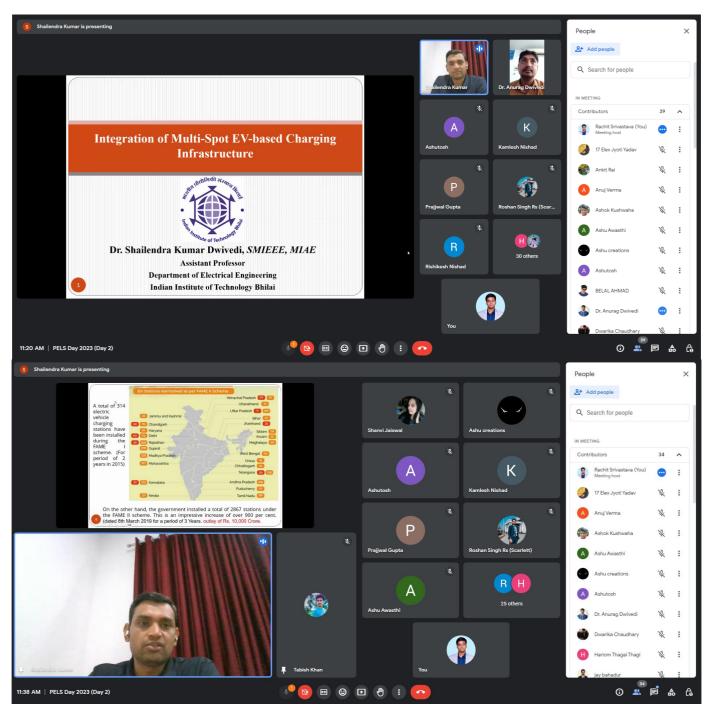


Day 2: 21/06/2023

Keynote 3: 11:00 AM- 12:45 PM

Resource Person: Dr. Shailendra Kumar Dwivedi, Assistant Professor, IIT Bhilai

Topic: Integration of Multi-Spot EV-based Charging Infrastructure



Day 2_Keynote 3 Presentation by resource person Dr. Shailendra Kumar Dwivedi









Valedictory Session

On the Valedictory Session, **Dr. Shailendra Kumar Dwivedi**, Assistant Professor, IIT Bhilai, India joined the session as a Chief Guest along with Dr. Anurag Dwivedi, HOD, EE Department and Cocoordinator of Event, Dr. Arun Kumar Yadav, Associate Professor EED, Bansal IET Lucknow, UP, India and Dr. Rachit Srivastava, Assistant Professor, EE Department, co-coordinator of event. Valedictory Session of the event was anchored by Mr. Vaibhav Tripathi 2nd year EE.

Dr. Anurag Dwivedi, Head, EED, Bansal IET Lucknow, in his valedictory addressing, thanked every participant for spending their valuable time and attending event. Also congratulated the Program co-coordinator Dr. Arun Kumar Yadav and Dr. Rachit Srivastava, faculty member of department Ms. Priyanka Goswami, Mr. Jay Bahadhur Singh, and Mr. Tej Prakash Verma, for organizing the event in a successful manner. Further, he appreciated all the Non-Teaching Staff Members of EE Department for promoting such kind of programme.

At the end of the valedictory session, vote of thanks was given by Mr. J. B. Singh, organizer of the event in which he has been paid his gratitude towards all the participants who has spared their valuable time for attending this event. He also expressed the gratitude to the all Resource Persons for giving his valuable time for our participants and sharing his knowledge to them. Nevertheless, he expressed his sincere thanks to Sri. G. S. Agrawal, Chairman Bansal IET Lucknow, Dr. Sushil Kumar Agrawal Director and Dr. Anurag Dwivedi, HOD, EE Department.

"We are highly thankful to the Management, Director and Head of the Department for giving us an opportunity to organize this event in our campus and hope we will find the support in future also for organizing such kind of activities."





