About 1st International Conference AKGEC 2023
of
Conference series (Advancements & Key Challenges in Green Energy and Computing (AKGEC)

The first conference on "Advancements and Challenges in Green Energy and Computing" was organized by the Department of Electrical & Electronics Engineering at Ajay Kumar Garg Engineering College (AKGEC) on 24-25 February 2023. The prime objective of the conference was to bring together researchers, scientists, students, and industry professionals to discuss innovative ideas, opportunities, challenges, advancements, and research results in the fields of Green Energy, Computing and Security, Sustainable Development, Artificial Intelligence, and Embedded Systems on an international premier forum. Green Energy, Electric Drives and Smart Grid, Computing and Security, Sustainable Technology and Development, and Artificial Intelligence were the four tracks of the conference.

The conference received an overwhelming response with over 205 entries under 4 tracks. All the papers were blind peer-reviewed by our esteemed reviewers from across the globe. After a rigorous review process, 71 papers have been finalized and presented under various tracks of the conference in two days. The program flow of the conference included various sessions, viz, the inaugural program, keynote addresses, oral and poster paper presentations, panel discussions, and the valedictory program.

The conference was inaugurated in the benign presence of Prof. Bhim Singh, IIT Delhi, as the Chief Guest, Mr. Sudhanshu Sekhar Barpanda, Director (MO), Grid Controller of India, as the Guest of Honour, Mr. Meenu Singhal, RMD, Socomac, as the inaugural keynote, and Dr. R. K. Agarwal, Director General, AKGEC.

The keynote speakers from India and abroad included Dr. Sanjeet Dwivedi, Senior Project Manager from Everfuel, Denmark, Prof. Akshay Rathore from SIT Singapore, Ms. Shivi Jindal, RSM from Fronius, and Mr. Sumit Tiwari from SNU who shared their insights on various topics related to green energy and computing.

The conference also included a panel discussion on "Threats and Opportunities for the Adoption of Green Energy" under the presence of expert panelists: Prof. Prerna Gaur, Director NSUT West Campus, Prof. R. P. Maheshwari, IIT Roorkee, Prof. Ashish Shrivastava, Shri Vishwakarma Skill University, Mr. A. B. Sengupta, Chief Manager and alternate CISO, Grid Controller of India, and Mr. Vish Iyer, Global Chief Commercial Officer, Jakson Greens.

Prof. Santanu Mishra, IIT Delhi, Dr. Vineet Saini from DST, and Mr. Kushagra Nandan, MD & CEO of SunSource Energy graced the Valedictory Program and provided valuable insights into the field of green energy and computing. A strong need for collaborative efforts to promote Green Energy for sustainable development was emphasized during the valedictory program. The conference concluded with a motivational quote: "Investment in Green Energy is the investment for the future.".