The Institute of Electrical and Electronics Engineers, Incorporated (IEEE) is a non-profit corporation, incorporated in the state of New York on 16 March 1896. The purpose of the IEEE is to engage exclusively in scientific and educational activities within the meaning of Section 501(c)(3) of the Internal Revenue Code of 1986, as amended, directed toward the advancement of the theory and practice of electrical, electronics, communications and computer engineering, as well as computer science, the allied branches of engineering and the related arts and sciences, which benefit the engineering profession and the public. As authorized by the IEEE Board of Directors, the IEEE Member and Geographic Activities Board (known as IEEE Regional Activities Board prior to 1 January 2008) approved the establishment and boundaries of the IEEE Uttar Pradesh Section on 11 May 1992. The Uttar Pradesh Section conducts activities which assist the local IEEE members to enhance their professional careers and their communities.
MESSAGES

- Dr. Satish K. Singh, Section Chair, IT Department, IIT Allahabad
- Prof. S. N. Singh, Advisor, EE Department, IIT Kanpur, Additional responsibilities as a Director of IITM-Gwalior
- Prof. Yogesh Singh Chauhan, Chair Elect, IEEE UP Section
- Dr. Rajat Kumar Singh, (Chair) Electronic Communication Activities
- Prof. Rafik Ahmad, Chapter Chair, Editor, (Electronic Communication & Information Management Activities)

U.P. SECTION & STUDENT BRANCHES EVENT

- Seminar on Mission LiFE (Lifestyle for Environment) at AMU
- Professional Lecture Series: Design Thinking For Innovation at IIT Kanpur
- Seminar on "Revolutionizing Technology" Innovation for a Brighter Future at Uttaranchal University
- IEEE R10 Young Professionals Up Skill 2023 - Rajkiya Engineering College, Kannauj
- IEEE Student Branch, Moradabad Institute of Technology Uttar Pradesh Section Asia Pacific Region-10
- IEEE Technical talk on "Compound Semiconductor Devices and Circuits for 5G and Beyond" at IIT BHU
- IEEE PES Events at IIT Kanpur
- IEEE PES webinar by Dr. Sayonsom Chanda on "Quantum Computing for Power and Energy Systems"
- IEEE PES Event - "ARTEMIS Hands-on training" at IIT Kanpur & IEEE PES training on "Controller Hardware in-loop using dSPACE and OPAL-RT"
- Events of IEEE Student Branch Amity University, Noida (STB07271)
- Two-Day Event on Women in Sustainability and Climate Change CVR College Of Engineering in association with JSS Academy Of Technical Education
- IEEE Amity University Lucknow(STB99083) Events
- IEEE STB Harcourt Butler Technical University, Kanpur
- Rajkiya Engineering College Banda IEEE STB Code(STB11533)
- Expert Talk and Networking at BIET & IEEE BBDMI, Lucknow
- World Entrepreneur Day and Tree Plantation at IEEE BBDMI Lucknow
- Industry Connect Program for Web 3.0 and Engineers Day Celebration IEEE BBDMI

Conference - Women in Engineering International Leadership Meet 2023 at Raipur

IEEE UP Section Awards 2023 Call for nominations

AWARDS & ACHIEVEMENT

COLLAGE OF EVENTS

VOLUNTEER MESSAGES

EDITOR'S

STUDENT EDITORIAL BOARD
I am delighted to learn that the IEEE UP Section is releasing the third issue of Volume 7 of their 2023 Newsletter. On this joyous occasion, I extend my congratulations to each and every one involved in this successful endeavor. IEEE's primary mission is to promote technological innovation and excellence for the betterment of humanity. As the largest technical professional organization globally, IEEE provides numerous opportunities for engagement within technical and local communities. These communities actively participate in research, authorship, conferences, and important discussions on relevant technical subjects at both local and global levels. I personally applaud every member of the IEEE UP Section for their outstanding achievements. This newsletter is the outcome of the editorial team’s dedication and hard work, and with the support of each member, the IEEE UP Section continues to reach new heights of success.

I am pleased to announce the release of Volume 7, Issue 3, of the IEEE UP Section Newsletter for 2023. Witnessing the continuous and dedicated efforts of the IEEE UP Section in providing exemplary service to the community brings immense joy and privilege. This newsletter serves as a reflection of the multifaceted growth and development of students and professionals in technical and professional fields, ensuring a fulfilling experience for its readers. Numerous professional activities, technical conferences, and award nominations are planned, aligning with the goals and objectives of IEEE. Heartfelt gratitude goes to each individual who has supported and cooperated with us, as this achievement would not have been possible without their contributions. With collective cooperation and divine blessings, I am confident that the IEEE UP Section will thrive and reach new heights. My best wishes also extend to the entire editorial team for their valuable efforts in bringing this newsletter to fruition.

I am delighted to learn that the IEEE UP Section is releasing the third issue of Volume 7 of their 2023 Newsletter. On this joyous occasion, I extend my congratulations to each and every one involved in this successful endeavor. IEEE's primary mission is to promote technological innovation and excellence for the betterment of humanity. As the largest technical professional organization globally, IEEE provides numerous opportunities for engagement within technical and local communities. These communities actively participate in research, authorship, conferences, and important discussions on relevant technical subjects at both local and global levels. I personally applaud every member of the IEEE UP Section for their outstanding achievements. This newsletter is the outcome of the editorial team’s dedication and hard work, and with the support of each member, the IEEE UP Section continues to reach new heights of success.

I take great pleasure in presenting Volume 7, Issue 3, of the IEEE UP Section Newsletter for 2023. As we celebrate the continuous dedication of the IEEE UP Section in providing exemplary service to the community, this newsletter reflects the multifaceted growth of professionals and students in technical fields. Planned activities, conferences, and award nominations align with IEEE’s objectives. My sincere thanks to all contributors for their invaluable support. With collective effort and divine blessings, I am confident that the IEEE UP Section will continue to thrive. Best wishes to the editorial team for their dedicated efforts in bringing this newsletter to fruition.
I am honored to present the third issue of Volume 7 of the IEEE UP Section Newsletter. As the world’s largest technical professional organization, IEEE provides various avenues for engagement within technical and local communities. This newsletter stands as a vital platform, and I wish to express my sincere appreciation to Dr. Satish Kumar Singh, the Chairman of the IEEE UP Section, for conceiving this initiative. Dr. Singh has played a pivotal role in exploring educational programs and opportunities from IEEE in emerging fields. The committee’s focus encompasses three key areas: enhancing connectivity through social media, managing the section website, and publishing this quarterly newsletter. My gratitude extends to Prof. Rafik Ahmad and his exceptional team of student volunteers for dedicating their valuable time to curate this newsletter. Special thanks are also due to all members for their invaluable contributions.
U.P. SECTION
EVENTS
In line with the push of IEEE towards sustainable development, we have organised a Seminar on Mission LiFE (Lifestyle for Environment) on 26 August 2023 at AMU. The keynote speaker for the seminar was Mr. Yugal Kishore Joshi, Mission Director (LiFE) and Adviser (SDG), NITI Aayog, Government of India. Mr. Joshi has also served as Director Jal Jeevan Mission in the Ministry of Jal Shakti and Director of Swachh Bharat Mission in the past. In an interesting way of connecting to the audience, Mr. Joshi explained that individual contribution by behavioural change is the basis of mission LiFE launched by the Hon’ble Prime Minister of India at Glasgow in the 26th Conference of Parties and which is now turning into a global movement on pro environment lifestyle. Prof. Janakarajan Ramkumar very kindly joined as the guest of honour for the seminar. In his address, Prof. Ramkumar emphasised the need for innovation and a new perspective on problems formulation and designing solutions. In an engrossing address, Prof Ramkumar explained these principles and how for sustainable development, this approach is mandatory. Both these talks were very well received and appreciated by the audience consisting of many senior and young faculty members, and students from departments as well as schools. The volunteers of IEEE students branch, SIGHT and WiE actively participated in the seminar.

Professional Lecture Series: Design Thinking For Innovation at IIT Kanpur

**TOPIC:**
DESIGN THINKING FOR INNOVATION

**SUPPORTED BY:**
IEEE Region 10

**TIME:**
9:15 AM ONWARDS (IST)

**MODE:**
HYBRID (OFFLINE AND ONLINE)

**REGISTER NOW**

**JOIN THE SESSION**
Seminar On “Revolutionizing Technology” innovation for a brighter future at Uttaranchal University

IEEE R10 Young Professionals Up Skill 2023- Rajkiye Engineering College, Kannauj & Mainpuri
STUDENT BRANCHES EVENTS
The goal of this technical program is to test the students’ most recent technical skills and take them to the next level, along with enhancing their technical skills and knowledge and promoting innovation and problem-solving abilities. In this Event a technical quiz on the latest technology was organized by the IEEE student branch at Moradabad Institute of Technology. The entire competition was divided into three parts: Part 1 consisted of 20 multiple-choice questions based on the latest emerging technologies; some riddles were asked in Round 2; and in Round 3, the confidence level of the students was tested. Winners were shortlisted based on the performance of the students in these three rounds. In this competition, second-year student Sarthak Johri got First Position, first-year Student Anchit Gupta got second Position, and third-year student Priyans Aggarwal got third Position. 30 students from different years participated in this technical quiz. This technical quiz was successfully organized by second-year computer science student Ms. Sakshi Chauhan and Saumya Tandon under the leadership of faculty convener Arvind Kumar Singh. IEEE members from various departments (Aniket Saxena, Vivek Saini, Mohammad Kaif, Yashika Gaur, and Divyanshi Saxena) also contributed to the successful conduct of this competition.

So on this occasion of Engineers day IEEE student’s branch of Moradabad Institute of Technology have planned three activities which are Poster making Competition, Open Mic competition and Technical Quiz. In this event 40 students have participated in different activities. In poster competition Wazeeha Azeem got first position and Mr Yash Kumar Gupta got second position and Mr satakkshi,Utkarsh, Nishi and Vardanshi got third price. In Open Mic Ms. Vardanshi have achieved first price, Ms. Kasjish Vasisth have got second price and Ms. Wazeeha Azeem got third price. First round of Quiz Competition have been completed and winners will be decided after completion of all round of the Quiz. This Event was successfully organized by Third year Computer Science students Sakshi Chauhan and Saumya Tandon under the leadership of Faculty Coordinator of Mechanical Engineering Department, Arvind Kumar Singh. IEEE members from various departments (Aniket Saxena, Vivek Saini, Mohammad Kaif, Yashika Gaur, Divyanshi Saxena, Sakti singh,Pranav Gupta,Sharthalk Srivastava, Chirayu Sudhir Sharma and Sahil.Rastogi) also contributed in the successful conduct of this competition. To encourage students to appreciate the work of engineers and acknowledge their contribution to the development of the country, as well as to inculcate various skills among all participants, like leadership skills, organizational skills, communication skills, and networking skills.
The 7th Monthly Webinar Series organized by the IEEE DEIS Student Branch Chapter at IIT Kanpur was held on July 29, 2023, from 5 P.M. to 6 P.M. Mr. Dheeraj Kumar Singh, a distinguished scientist from the Bhabha Atomic Research Center (BARC) India, presented on the topic of "Indigenous Development of High Voltage Solid-State Pulse Power Supply for Laser Isotope Separation." The event, conducted via Zoom, garnered an audience of approximately 20 participants. In the recent online webinar hosted by the IEEE DEIS Student Branch Chapter, Mr. Singh's presentation delved into the crucial area of high-voltage solid-state pulse power supplies, particularly their role in laser technology and isotope separation. He highlighted India's advancements in this field, emphasizing self-reliance and indigenous technology development. Technical insights encompassed pulse forming networks (PFNs), semiconductor devices, capacitors, and pulse transformers. Challenges in voltage regulation and pulse shaping were candidly discussed, along with innovative solutions. The interactive session enabled participants to engage deeply in discussions about this critical technology. At the end of the session, Mr. Dheeraj was presented with a virtual token of appreciation for his valuable contribution to the webinar.
Monthly Webinar Series – July 2023 "Gas Insulated Substations" (GIS) at IEEE DEIS SBC IIT Kanpur

The 8th Monthly Webinar Series organized by the IEEE DEIS Student Branch Chapter at IIT Kanpur was held on August 30, 2023, from 4 P.M to 5 P.M. Mr. Muthuraj Ramaswamy, the Chief Technology Officer (CTO) of Epoxy House in India, delivered an insightful presentation on "Gas Insulated Substations" (GIS). The virtual event, conducted via Zoom, attracted an audience of approximately 20 participants. Mr. Ramaswamy provided a comprehensive overview of the imperative need for GIS in modern electrical infrastructure, elucidating its numerous advantages over conventional air-insulated substations. Technical highlights of the discussion encompassed typical GIS layouts, elucidation of the intricate GIS protection circuits, and a detailed note of individual GIS components such as busbars, circuit breakers, disconnectors, transformers, Control, protection (surge arrestors) and monitoring systems and structural support systems. The presentation emphasized the critical role GIS plays in ensuring efficient power transmission and distribution while optimizing space utilization. Participants engaged in enriching discussions about the intricacies of gas-insulated substations and their transformative impact on the power industry. The IEEE DEIS Student Branch Chapter expressed gratitude to Mr. Ramaswamy for sharing his expertise and eagerly anticipates further collaboration in the realm of advanced electrical technologies. Finally, Mr. Muthuraj Ramaswamy was presented with a virtual token of appreciation for his valuable contribution to the webinar.

Monthly Webinar Series "Data-driven Solutions for HV Subsea Cable Monitoring" at IEEE DEIS SBC IIT Kanpur

The 9th Monthly Webinar Series organized by the IEEE DEIS Student Branch Chapter at IIT Kanpur was held on September 22, 2023, from 5 P.M to 6 P.M. Dr. Saumya Thakur, a post-doctoral researcher at DTU Denmark, delivered a compelling webinar on "Data-driven Solutions for HV Subsea Cable Monitoring" to an engaged audience of about 20 participants. In her presentation, she elucidated the profound impact of renewable energy sources on the power grid, with a specific focus on the substantial power generation by offshore wind farms across many nations. These wind farms are connected to the mainland through high-voltage (HV) subsea cables, making the robustness and reliability of these cables' paramount. Dr. Thakur detailed the deployment of an array of temperature monitoring sensors meticulously positioned along the entire length of these subsea cables. These sensors serve as vital data sources, providing real-time insights into the cable's operational health. What sets her presentation apart is the adept incorporation of advanced data-driven techniques into the monitoring process. Dr. Thakur expounded on the utilization of regression models, cutting-edge Artificial Neural Networks (ANNs), and sophisticated Physics-informed Machine Learning models for precise and predictive cable condition assessment and longevity estimation. Moreover, she astutely introduced spectral analysis methods like the Short-Time Fourier Transform (STFT) into the signal processing pipeline, seamlessly integrating them with Machine Learning models to refine the prediction and control mechanisms. Dr. Thakur's presentation not only underscored the critical role of data-driven solutions but also illuminated their transformative potential in ensuring the reliability and efficiency of HV subsea cables in the renewable energy landscape, making it a valuable learning experience for all attendees. Finally, Dr. Saumya Thakur was presented with a virtual token of appreciation for her valuable contribution to the webinar.
IEEE PES EVENTS at IIT Kanpur

To detail dSPACE, it offers a range of hardware products such as real-time simulation systems, rapid control prototyping systems, and hardware-in-the-loop (HIL) simulators. These systems allow engineers to simulate and test control algorithms in a virtual environment before they are implemented in real scenarios. dSPACE provides software tools for model-based development, simulation, and testing. Their software suite includes tools for modeling and simulation (like MATLAB/Simulink integration), automatic code generation, and hardware-in-the-loop testing. The training was very exciting for all the research enthusiasts who can aid future research progress. Sunil Kumar Maurya (Research Scholar, Dept. of Electrical Engineering, IIT Kanpur) Chair, Executive committee, IEEE PES Student Branch Chapter, IIT Kanpur

A tree plantation drive is a concerted effort to address environmental concerns by planting trees in significant numbers. Tree plantation drives are fundamental in the fight against climate change and environmental degradation. They symbolize a collective effort to ensure a greener, healthier planet for current and future generations. Active participation in academic institutions, communities, and individuals is crucial in making these initiatives successful and impactful. The plantation drive was held on a weekend without hampering the regular academic schedule toward a cleaner and greener society. Sunil Kumar Maurya (Research Scholar, Dept. of Electrical Engineering, IIT Kanpur) Chair, Executive committee, IEEE PES Student Branch Chapter, IIT Kanpur

IEEE PES webinar by Dr. Sayonsom Chanda on "Quantum Computing for Power and Energy Systems"

IEEE PES webinar by Dr. Sayonsom Chanda on “Quantum Computing for Power and Energy Systems” organized by IEEE PES SBC IIT Kanpur on 03 rd August 2023. Dr. Sayonsom Chanda is a senior scientist at the National Renewable Energy Laboratory (NREL) in Boulder, Colorado. He works at the intersection of advanced computing technologies and the electric power grid. His work on interfacing quantum computers and power equipment is laying the foundation for industrial applications of quantum computing for solving the complex challenges of our times - including energy insecurity and climate change. Prior to joining NREL, Dr. Chanda was a Senior Data Scientist at National Grid and an electrical engineer at Idaho National Laboratory. He was also the founder of two tech start-ups, where he helped them raise venture capital and develop commercial solutions for the utility industry. He holds a Ph.D. in Electrical Engineering from Washington State University, has published more than 18 articles in journals with a high impact factor, and holds three patents in cloud computing for power systems. He is also the author of the book "Resiliency of Electricity Distribution Systems," published by Wiley in the United Kingdom.
IEEE PES Event - "ARTEMiS Hands-on training" at IIT Kanpur &
IEEE PES training on "Controller Hardware in-loop using dSPACE and OPAL-RT"

An ARTEMiS Hands-on training was held at the Department of Electrical Engineering, IIT Kanpur, organized by IEEE PES SBC IIT Kanpur from 06th to 08th August 2023. Esteemed Faculty Member Prof. Gururaj M.V., Dept. of E.E., IIT Kanpur, organized this entire to impart the hands-on experience of OPAL-RT among the enthusiasts. ARTEMiS is a CPU-based Electrical Toolbox for users of Simscape Electrical to accelerate or simulate power systems and power electronics models in real-time. ARTEMiS provides enhanced solvers and algorithms to ensure reliable, accurate, and fixed-time steps. In addition, ARTEMiS uses an advanced decoupling method that does not introduce artificial delays and thus won’t compromise the model’s validity. This is important when simulating large-scale power grid models. The hands-on training was very exciting for all the research enthusiasts. It was truly a motivating event, allowing future research to progress.

A Controller Hardware-in-loop using dSPACE and OPAL-RT training was held at the Department of Electrical Engineering, IIT Kanpur, organized by IEEE PES SBC IIT Kanpur from 06th to 08th August 2023. Esteemed Faculty Member Prof. Gururaj M.V., Dept. of E.E., IIT Kanpur, organized this entire to impart the hands-on experience of CHIL using dSPACE and OPAL-RT among the enthusiasts. Controller Hardware-in-loop (HIL) validation is essential for testing and verifying control systems’ performance. It involves connecting an OPAL-RT with the physical controller to emulate the system’s behavior under various conditions. The OPAL-RT provides a realistic simulation environment that allows the controller to be tested against real-world scenarios without costly and time-consuming physical testing. The controller’s performance can be validated by analyzing the system’s response to simulated scenarios, such as faults or disturbances, and comparing it with the expected behavior, rendering its application in power systems. From the audience’s perspective, the training was very interactive. It was truly an informative event, which inspired the researchers.

Events of IEEE Student Branch
Amity University, Noida (STB07271)

Event Name - Competitive Programming
Date / time - 15-07-23 from 4 PM onwards

Event Name - DSA 101: Beginner’s Guide to Data Structures and Algorithm
Date / time - 27.07.2023 From 6 PM onwards

Event Name - Workshop on “Web Application (VAPT)”
Date / time - 17th July 2023 / 12:00am to 2:30pm

Event Name - 77th Independence Day Celebration
Date / time - 14th August 2023 at 2 PM

Event Name - How to crack MAANG or Top Product Based Companies
Date / time - 05.08.2023

Event Name - How to crack MAANG or Top Product Based Companies
Date / time - 15-09-2023

Event Name - Teachers’ Day and Krishna Janmashtami
Date / time - 5th Sept 2023 / 2 pm

Event Name - 5th International Conference on Entrepreneurship, Innovation & Leadership
Date / time - 15th Sept. 2023 / 3.45 pm to 5.15 pm
The IEEE JSSATEN SB and IEEE CVRCE SB jointly organized a two-day event on "Women in Sustainability and Climate Change" on 11-12 July 2023. The event aimed to highlight the role of women in addressing environmental challenges, promoting sustainable practices, and driving positive change in the face of climate change. The event featured panel discussions and expert talks, providing a platform for knowledge sharing, networking, and inspiration.

Day 1: Panel Discussion
The first day of the event commenced with a thought-provoking panel discussion organized by IEEE CVRCE SB. Distinguished panelists were invited to share their experiences and insights on women's contributions to sustainability and climate change. The panel discussion explored key topics such as the importance of women's involvement in environmental decision-making, the challenges faced by women in the sustainability sector, and the role of technology in advancing sustainable solutions. Panelists also discussed strategies to empower and encourage more women to pursue careers in sustainability. The engaging discussion captivated the audience, comprising students and professionals. The participants actively participated by asking questions and sharing their own perspectives on the issues at hand. The panel discussion successfully fostered a collaborative environment that encouraged knowledge exchange and networking.

Day 2: Expert Talks
The second day of the event featured Enlightening Expert Talks organized by IEEE JSSATEN SB. Esteemed speakers, recognized for their expertise in sustainability and climate change, delivered impactful presentations, providing valuable insights and practical solutions to address environmental challenges. The expert talks covered diverse topics, including sustainable energy solutions, climate policy advocacy, circular economy practices, and sustainable urban planning. The speakers shared their success stories, highlighted the importance of women's leadership in driving sustainable initiatives, and showcased innovative approaches to mitigate climate change. The sessions were highly interactive, with attendees actively engaging in discussions and seeking guidance from the speakers. The talks not only educated the audience but also motivated them to take action and make positive changes in their own lives and communities. The two-day event on "Women in Sustainability and Climate Change" organized by IEEE CVRCE SB and IEEE JSSATEN SB was a resounding success. The panel discussion and expert talks provided a platform for meaningful conversations, inspiring stories, and practical insights into the role of women in addressing sustainability challenges and climate change. The event not only raised awareness about the importance of women's involvement in environmental decision-making but also encouraged collaboration among students, professionals, and experts in the field. The attendees left the event feeling empowered and motivated to contribute to a sustainable future. The knowledge shared and connections formed during the event will undoubtedly contribute to the advancement of sustainable practices and the empowerment of women in the field of sustainability and climate change.

IEEE AMITY UNIVERSITY LUCKNOW (STB99083) EVENTS

1) Title of the Event – International FDP- Expert talk
Date: 8th July 2023;
Time: 09:00 A.M to 10:00 A.M

2) Title of the Event – International FDP- lecture
Date: 10th July 2023;
Time: 10:00 A.M to 11:30 A.M

3) Title of the Event – International FDP- Expert Talk
Date: 14th July 2023;
Time: 01:00 P.M. to 02:00 P.M.

4) Title of the Event – International FDP- Valedictory Session
Date: 14th July 2023;
Time: 03:00 P.M. to 04:00 P.M.

5) Title of the Event – Expert talk on Teaching Pedagogy And use of Technology
Date: 8th August 2023;
Time: 11:00 A.M to 12:00 PM

6) Title of the event- Expert Talk: Quality Research And Its Application.
Date: 8th August 2023
Time: 12:00 P.M to 01:00 PM

7) Title of the event- Poetry Competition- Bharat Kuch Lafzon Mein
Date: 11th August 2023
Time: 03:00 P.M to 05:00 PM

8) Title of the event- Meme Making Competition
Date: 13th August 2023
Time: 02:00 P.M to 04:00 PM

9) Title of the event- Multidisciplinary Approach For Data Management talk
Date: 01st September 2023
Time: 10:00 A.M to 11:00 AM

10) Title of the Event – Teacher’s Day Celebration
Date: 5th September 2023;
Time: 11:00 AM to 01:00 PM

11) Title of the Event – Technovation Phase
Date: 11th September 2023;
Time: 11:00 AM to 12:00 PM
Date: July 22, 2023
Time: 
Venue: EE-1 Lecture Hall, Electrical Engineering Department, HBTU
Mode: In-Person
The main focal point during the meeting was the upcoming Short-Term Course, this course will delve into the latest advancements in power electronics and offer a unique opportunity to expand your knowledge in this field.

Date: August 9, 2023
Time: 1:20 PM to 2:20 PM
Venue: EE-1 Lecture Hall, Electrical Engineering Department, HBTU
Mode: In-Person
The significant decisions and responsibilities discussed during this meeting. Efficient and timely certificate distribution is crucial to recognize the achievements of our members. We have appointed some more volunteers to work with us as the success of IEEE STB HBTI Kanpur relies on the active involvement of our dedicated volunteers. We also announced the launch of our quiz series.

Date: August 23, 2023
Time: 5:20 PM to 7:00 PM
Venue: Google Meet
Mode: Online

Volunteer Selection Drive:
Date: 18th September 2023
Time: 1:20 PM to 2:20 PM
Venue: Simulation Lab, Electrical Engineering Department, HBTU
Mode: In-Person

Date: September 23; 2023
Time: 6:00 PM to 7:00 PM
Venue: Google Meet
Mode: Online
IEEE student Branch REC Banda organized following 5 events between July 01, 2023 to Sept 25, 2023
Event 1: Introduction to Electricity Markets on 24th August 2023
Event 2: Insight on Networking and Membership Development on 24 August 2023
Event 3: Hands-on session on Bi-Directional DC-DC converter on 24 August 2023
Event 4: Celebration of Engineer's Day on "15 September 2023"
Event 5: Session on "IoT Architecture and Communication Dynamics" on 19 September 2023.
Event 6: Celebration on Teacher's Day on 05 September 2023.
Seminar on "Introduction to Electric Markets" was organized by IEEE Power Electronics Society Uttar Pradesh Section & IEEE student Branch Rajkiya Engineering College Banda on 24th August 2023. Expert for this seminar was Dr. Prashant Kumar Tiwari (MNNIT,Prayagraj).

EXPERT TALK AND NETWORKING AT BIET & IEEE BBDITM, LUCKNOW

In this session, Prof Asheesh Kumar Singh, Immediate Past Chair IEEE UP Section shared valuable insights and personal experiences, providing guidance on skill development, career growth, and the transition from student life to a thriving young professional. Attendees had the opportunity to ask questions, gain practical advice, and network with fellow students.

During the session, attendees have had the opportunity to engage in speed networking, participate in group discussions on career-related topics, and freely network with Prof. Rafik Ahmad, a valuable member of IEEE UP SECTION and Branch counselor of IEEE-BBDITM, to expand their professional network and exchange ideas with like-minded individuals who share their passion for success.
On the occasion of World Entrepreneur Day, entrepreneurship talk was organised by IEEE BBDITM for the students of all the branches of our college. This entrepreneurship talk will definitely help students for building their career and creating employment opportunities and nurturing economic development across various industries globally. The talk was given by our head of department electrical Prof. Rafik Ahmad Sir, in which he given a brief idea of the changing industry and the role of the entrepreneurs in this globally widespread business profession. How a startup can be made and what are the challenges that new startups have to face in the market and how to handle the ups and downs of a business.

On the second day of World Entrepreneur Day, our expert lecture was organised by IEEE BBDITM. Our expert faculty guided students through the following:

- How India is a hub of the 'Start-up' ecosystem in the world.

On the occasion of World Entrepreneur Day tree plantation was done in our college garden.

On the second schedule of the tech event by IEEE BBDITM and Fitbit-Infotech, speaker Sachin Sir gave students a very good overview to students about career building by Web 3.0 and how industries demand for the skills in this profession. Many students asked their questions, all their doubts were cleared by our speaker. It all ended with a vote of thanks to the speaker and giving some gift hampers to the speakers.

A workshop was organised by IEEE BBDITM for the industry connect and implementation of Web 3.0 for professional studies. It is very helpful for students for building a career in computer science. Our speaker Rachit sir provided a very deep and clear view to students which provided a very strong motivation to all the students.

IEEE BBDITM student branch celebrated Engineers Day on 15th of September 2023. It started by lighting lamp and remembering Sir M. Visvesvaraya. Approaching speech was given by our Director Dr. S.S Chauhan sir and our student welfare head Dr. S.H. Abdi. All the students were encouraged by them for becoming a good engineers for the society.
The Women in Engineering International Leadership Meet 2023, organized under the auspices of the Institute of Electrical and Electronics Engineers (IEEE), took place in Raipur from August 25 to August 27, 2023. The event aimed to bring together women leaders, engineers, and professionals from across the globe to discuss and address critical issues related to gender diversity and leadership in the field of engineering. This report provides an overview of the event's key highlights, sessions, and outcomes. The Women in Engineering International Leadership Meet 2023 in Raipur was a significant gathering of female engineers, technologists, and leaders, fostering empowerment and gender diversity in engineering. Hosted by IEEE, the event aimed to inspire, educate, and empower women in engineering and technology.

a. Keynote Speakers: The event featured renowned keynote speakers, including accomplished women engineers and leaders from various domains. They shared insights into their journeys and offered valuable advice to the participants.

b. Panel Discussions: Several panel discussions were conducted, addressing topics such as women's leadership in engineering, the impact of technology on society, and strategies to promote gender diversity in STEM fields.

c. Workshops: Practical workshops on leadership development, career advancement, and emerging technologies provided attendees with hands-on learning opportunities.

d. Networking Opportunities: The event facilitated networking among attendees, allowing them to connect with peers, mentors, and industry professionals.

IEEE UP Section Awards 2023 Call for nominations

The Women in Engineering International Leadership Meet 2023, organized under the auspices of the Institute of Electrical and Electronics Engineers (IEEE), took place in Raipur from August 25 to August 27, 2023. The event aimed to bring together women leaders, engineers, and professionals from across the globe to discuss and address critical issues related to gender diversity and leadership in the field of engineering. This report provides an overview of the event's key highlights, sessions, and outcomes. The Women in Engineering International Leadership Meet 2023 in Raipur was a significant gathering of female engineers, technologists, and leaders, fostering empowerment and gender diversity in engineering. Hosted by IEEE, the event aimed to inspire, educate, and empower women in engineering and technology.

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Awards & Achievement

Mr. Somak Bhattacharyya has been recognized for exceptional performance as a reviewer of the IEEE Transactions on Antennas & Propagation.

Mr. Hitansh Dwivedi has been recognised for his valuable contribution in IEEE WIE ILS 2023, Raipur.
Awards & Achievement

About the book:
Written for the curious citizen, business leader and policymaker alike, the book covers the capabilities and limitations of AI systems today with clear explanations and relatable examples. The reader learns how "thinking machines" work - from machine learning and neural networks to computer vision and natural language processing. Core themes explore appreciating the specialized nature of modern AI versus general intelligence, assessing its transformative potential responsibly, and recognizing why ethical development and oversight are crucial as these technologies continue proliferating. While AI conjures images of humanoid robots and dystopian futures, the reality is much more nuanced. By demystifying artificial intelligence today, this engaging book empowers society to look past hype and fear and shape the responsible AI systems of tomorrow. This is an indispensable short book if you want to go beyond the headlines and form informed perspectives on the promises and perils of the machine age.

About the Author:
Dr. Shahrukh Khan is an author and a distinguished expert in the ever-evolving realm of technology. With a robust background and a wealth of experience, he is a credible source of the invaluable insights found within the pages of this book. Dr. Khan’s academic journey began with a B. Tech degree in Computer Science Engineering, laying the foundation for his passion for technology. His pursuit of knowledge led him to the prestigious halls of IIM Rohtak, where he earned an alumnus status in General Management, honing his strategic thinking. In recognition of his exceptional contributions to the field of Information Technology, he was awarded an Honorary Doctorate in Information Technology, specializing in Cloud Computing. With over 12 years of dedicated experience, Dr. Khan has proved himself a results-driven product management leader. His focus has centred on driving growth and fostering the adoption of cloud and data centre services.

Ms. Shivani Tiwari (IEEE XTREME 17.0 UP Section Volunteer) Recognized with Certificate of appreciation by IEEE Xtreme 17.0 UP Section lead for the Volunteering and attend Intro Session of IEEE XTREME 17.0 as a Speaker

Mr. Ayushi Kumar Singh & Ms. Shristi Verma from IEEE BBDITM STB10214 has been selected for IEEE PES HAC 2023 ambassador from Region 10

IEEE

2023 IEEE PES HAC Leadership Program (Ambassador) result

Dear Ayushi Singh,

Congratulations and welcome to 2023 IEEE PES HAC (Humanitarian Activities Committee) Leadership Program as new 2023 IEEE PES HAC ambassador from IEEE Region 10 (Asia and Pacific).

The IEEE PES HAC was founded in 2018 as new PES Global committee focused on promote energy humanitarian technologies field across the world. Nowadays, PES is the IEEE society with largest number of IEEE GBOT (Global Business Office on Humanitarian Technologies) members across the world.

1) PES HAC ambassador list

The 2023 IEEE PES HAC Leadership Program selected 256 humanitarian leaders from 34 countries, 48 IEEE Sections and 119 universities according the following overview:

- 34 countries
- 48 IEEE Sections
- 45 IEEE Sections chapters
- 77 PES Sections chapters
- 119 IEEE Student Branches
- 256 humanitarian ambassadors

Each ambassador have one ambassador ID to identify. You can access your ambassador ID and full ambassador list in the following button.

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