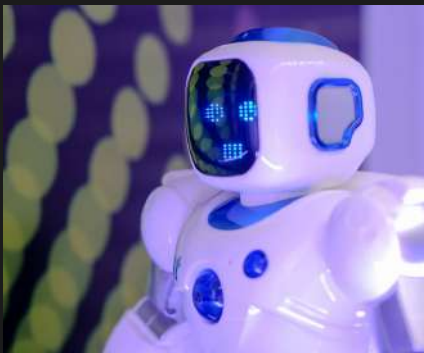


IUSN

IEEE UTTAR PRADESH SECTION NEWSLETTER

2023



..... ABOUT IEEE?

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.

IUSN 2023

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MESSAGES



Dr. Satish K. Singh
Section Chair

Indian Institute of Information Technology
ALLAHABAD

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.



Prof. S. N. Singh
Advisor

Past Chairperson, IEEE India Council,
DIRECTOR of ABV-IIITM Gwalior

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.



Prof. Yogesh Singh Chauhan
Chair Elect - IEEE UP Section

(Indian Institute of Technology ,Kanpur)

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.

EDITOR'S MESSAGE



Dr. Rajat Kumar Singh
(Chair)

**Electronic Communication
Activities**

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.



Prof. Rafik Ahmad
Chapter Chair, Editor

(Electronic Communication & Information Management Activities)

It is with great enthusiasm that I introduce the latest iteration of the IEEE UP Section Newsletter, highlighting the notable achievements and milestones of our section in the third issue of Volume 7 for 2023. Serving as the Editor of this Newsletter is a distinct honor, and I express my gratitude to Dr. Satish Kumar Singh, the Chair of IEEE UP Section, for entrusting me with this responsibility. This edition features various events, accomplishments, awards, and more. I am grateful to all dedicated volunteers who generously contributed their time to serve humanity. My appreciation extends to the editorial board members, with special thanks to my exceptional team from IEEE BBDITM & IEEE AUUP Lucknow. I eagerly anticipate continuing our collaboration and working alongside my dedicated team from IEEE BBDITM & IEEE AUUP Lucknow, wishing everyone a successful future.



U.P. SECTION EVENTS

Seminar on Mission LiFE (Lifestyle for Environment) at AMU

In line with the push of IEE 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 Ayog, 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 IEE students branch, SIGHT and WiE actively participated in the seminar.



Professional Lecture Series: Design Thinking For Innovation at IIT Kanpur



PROFESSIONAL LECTURE SERIES

TOPIC :
DESIGN THINKING FOR INNOVATION

SUPPORTED BY

IEEE Region 10

UP SKILL 2023
Uttar Pradesh Section

IEEE young professionals
Region 10

MONDAY
31 JULY 2023

TIME
9:15 AM ONWARDS(IST)

MODE
HYBRID (OFFLINE AND ONLINE)

REGISTER NOW

JOIN THE SESSION

Speaker
Prof. J. Ramkumar
(FNAE, FETE, Chartered Engineer (I)),
Satish Chandra Agrawal Chair Professor,
Professor (HAG) IIT Kanpur

Seminar On “ Revolutionizing Technology” innovation for a brighter future at Uttaranchal University



IEEE R10 Young Professionals Up Skill 2023- Rajkiye Engineering College, Kannauj & Mainpuri

IEEE R10 Young Professionals UpSkill 2023 - Uttar Pradesh
Date & Time: August 08, 2023, 10:00 AM onwards (IST)

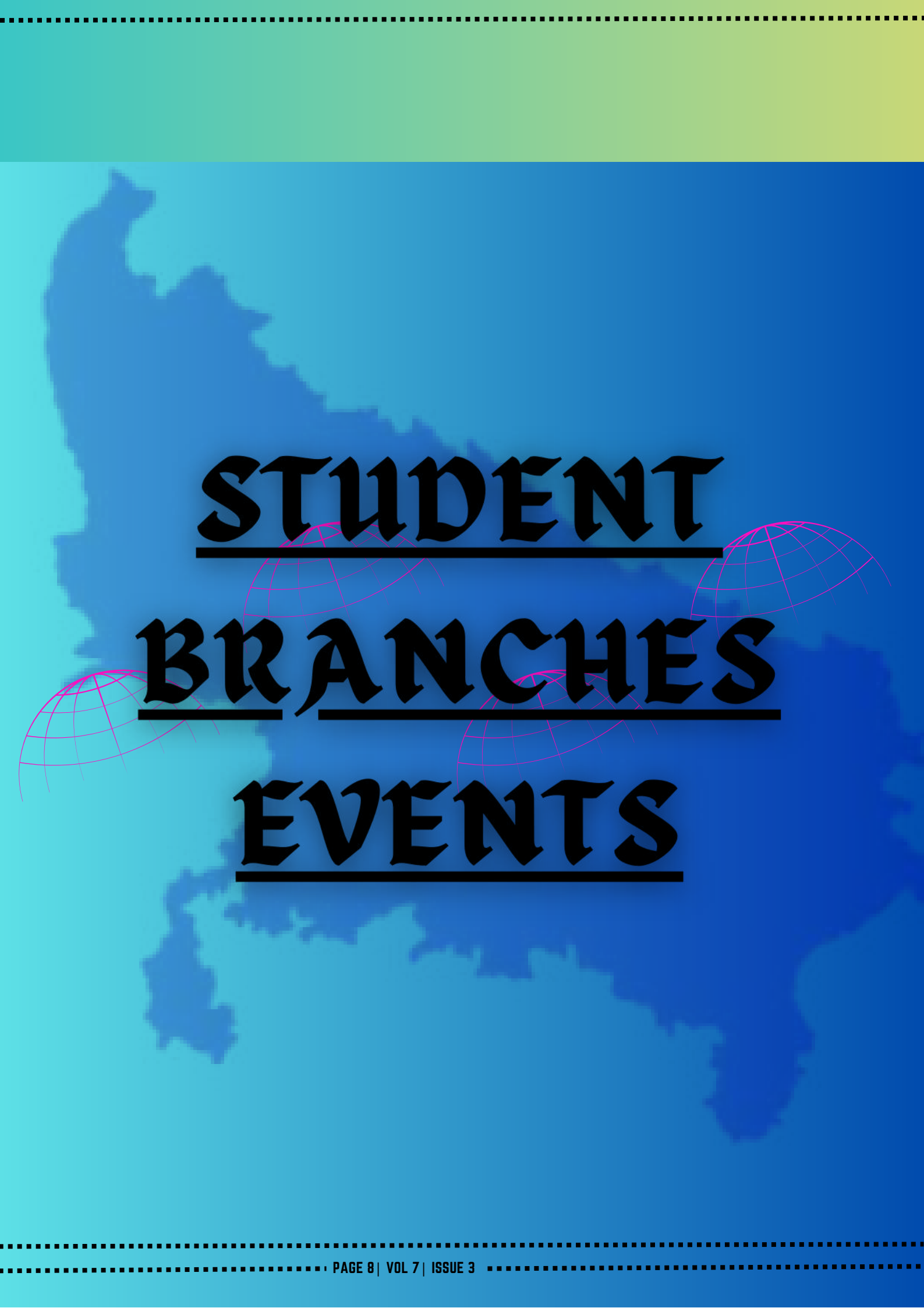
S. No.	Name of the activity	Time	Sponsor
1	Registration, Inauguration Ceremony & Introduction	10:00-10:30 AM	Naveen Kumar Singh
2	Management Skills in Engineering & IT	10:30-11:30 AM	Fully oriented
3	Manufacturing Integrity, Service and digital in	11:45-12:45 PM	Ashish Kumar Singh Engineering Professor

Registration Link:
<https://forms.gle/8USLwE6oKvHkH1RA>

Contact Us at:
951 1060834, 624448627
ieeeupskill@rajkiyeenggcollege.com

Venue:
Rajkiye Engineering College, Kannauj

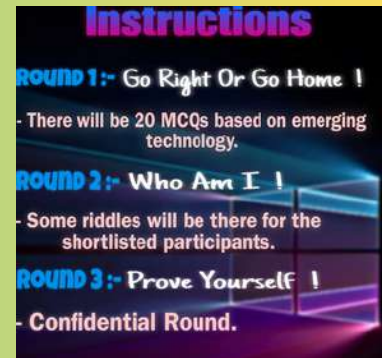




STUDENT
BRANCHES
EVENTS

IEEE Student Branch, Moradabad Institute of Technology Uttar Pradesh Section Asia Pacific Region-10

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.



IEEE Student Branch, Moradabad Institute of Technology Uttar Pradesh Section Asia Pacific Region-10



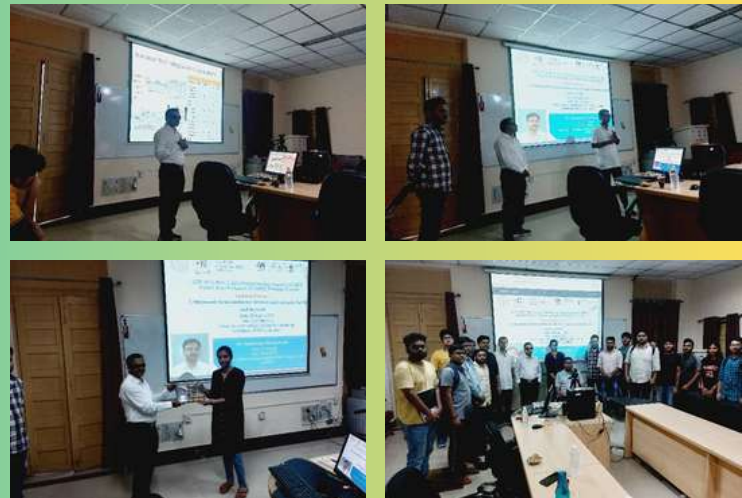
So on this occasion of Engineers day IEEE student's branch of Moradabad Institute of Technology have planned three activities which are Poster making Competition, Open Mic competition and Technical Quiz. In this event 40 students have participated in different activities. In poster competition Wazeeha Azeem got first position and Mr Yash Kumar Gupta got second position and Mr satakshi,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.

IEEE technical talk on "Compound Semiconductor Devices and Circuits for 5G and Beyond" at IIT BHU

Date: August 25, 2023
Time: 3:00 PM (IST)

Organized by: IEEE NANOTECHNOLOGY COUNCIL, IEEE ELECTRON DEVICES SOCIETY, IEEE AP-S, MTT-S, and AESS Student Branch Chapter, IIT (BHU), Varanasi

The IEEE technical talk on "Compound Semiconductor Devices and Circuits for 5G and Beyond" brought together researchers, engineers, and industry professionals in organic electronics. The event aimed to highlight the advancements and challenges in semiconductor technologies for monolithic microwave integrated circuits (MMICs), as well as the key device requirements for 5G and 6G communication. The technical talk on "Compound Semiconductor Devices and Circuits for 5G and Beyond" offered valuable insights into compound semiconductor devices. Attendees gained a deeper understanding of the compound semiconductor techniques to design MMIC, antenna arrays synthesize, characterize, and RF applications. As the event concluded, participants were energized and enthusiastic about the prospects of compound semiconductor techniques to design MMIC for RF applications, signaling a promising path toward the next generation of wireless communication with improved performance, energy efficiency, and sustainability.

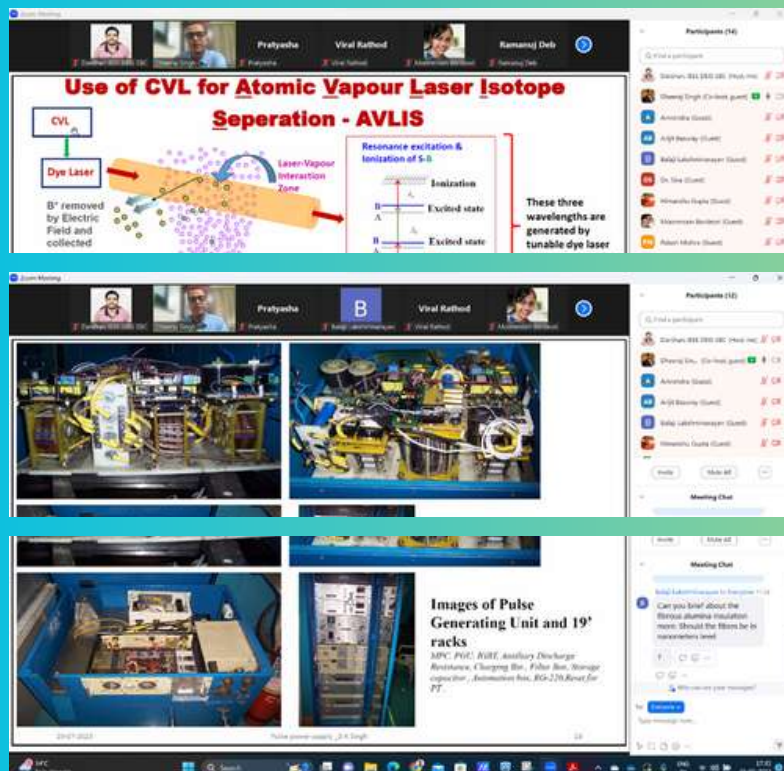


Time: 3:00 PM (IST)
Venue: Committee Room, Electronics Engineering Department, IIT(BHU), Varanasi.



Dr. Sandeep Chaturvedi
Ph.D. (IIT DELHI)
SMIEEE, FFIETE
Deputy General Manager and Head-MMIC Design Center in GAETEC

"Indigenous Development of High Voltage Solid-State Pulse Power Supply for Laser Isotope Separation." IEEE DEIS SBC IIT Kanpur



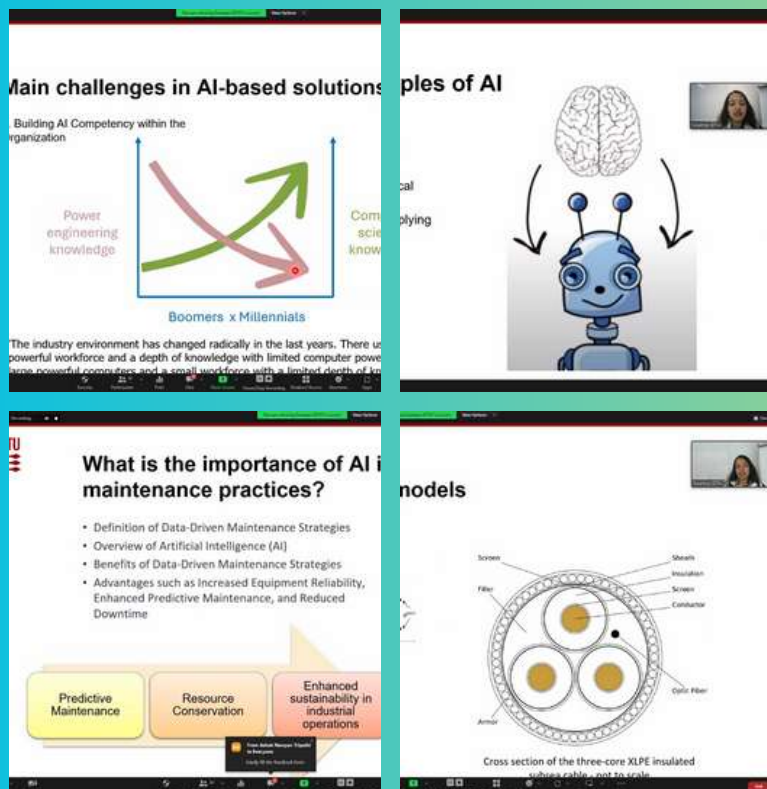
The 7th Monthly Webinar Series organized by the IEEE DEIS Student Branch Chapter at IIT Kanpur was held on July 29, 2023, from 5 P.M to 6 P.M. Mr. Dheeraj Kumar Singh, a distinguished scientist from the Bhabha Atomic Research Center (BARC) India, presented on the topic of "Indigenous Development of High 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



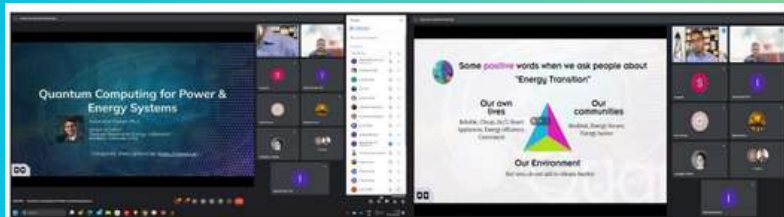
The 9th Monthly Webinar Series organized by the IEEE DEIS Student Branch Chapter at IIT Kanpur was held on September 22, 2023, from 5 P.M to 6 P.M. Dr. Saumya Thakur, a post-doctoral researcher at DTU Denmark, delivered a compelling webinar on "Data-driven Solutions for HV Subsea Cable Monitoring" to 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. Sayansom Chanda on "Quantum Computing for Power and Energy Systems"



IEEE PES webinar by Dr. Sayansom Chanda on "Quantum Computing for Power and Energy Systems" organized by IEEE PES SBC IIT Kanpur on 03 rd August 2023. Dr. Sayansom 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 organized OPAL-RT training at the Department of E.E., IIT Kanpur, Kanpur, U. India on 06th August 2023.

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 06 th to 08 th 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 06 th to 08 th 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.



IEEE-PES organized ARTEMiS hands on training at the Department of E.E., IIT Kanpur, Kanpur, U.P., India on 07th August 2023.



IEEE-PES organized CHIL using dSPACE and OPAL-RT training at the Department of E.E., IIT Kanpur, Kanpur, U.P., India on 08th August 2023.

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 July2023 / 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

Two-Day Event on Women in Sustainability and Climate Change CVR College Of Engineering in association with JSS Academy Of Technical Education

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

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

IEEE STB HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR SBC 11519

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.



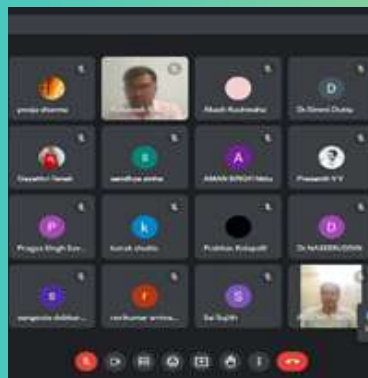
Date: August 9, 2023

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 HBTU Kanpur relies on the active involvement of our dedicated volunteers. We also announced the launch of our quiz series.



Chandrayaan-3 Soft Landing Celebration: A Spectacular Lunar Watch Party.

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



International Webinar on Machine Learning: Next Generation Intelligent E-Mobility.

Date: September 23; 2023

Time: 6:00 PM to 7:00 PM

Venue: Google Meet

Mode: Online

Rajkiya Engineering College Banda IEEE STB Code(STB11533)

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

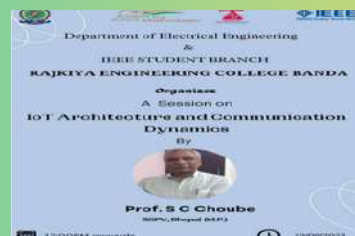
Event 3: Hands-on session on Bi-Directional DC-DC converter on 24 August 2023

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.

WORLD ENTREPRENEUR DAY AND TREE PLANTATION AT IEEE BBDITM LUCKNOW

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.



INDUSTRY CONNECT PROGRAM FOR WEB 3.0 AND ENGINEERS DAY CELEBRATION IEEE BBDITM



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.

CONFERENCES-Women in Engineering International Leadership Meet 2023 at Raipur (BBDITM Team as a Guest and represent IEEE UP SECTION)

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.

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

IEEE UP Section Awards 2023
Call for nominations

Outstanding Branch Counselor/ Chapter/AG Advisor Award

Prof GK Dubey Memorial Life-Time Achievement Award

Branch / Chapter Membership growth / retention Award

Best Student Branch/ Student Chapter Award

Educationalist of the Year Award

Outstanding Section Volunteer Award

Best Emerging Branch/Chapter Award

UP Section Start-up Award

Technologist of the Year Award

Activities Based Branch Incentive Award

SCAN QR CODE TO KNOW MORE ABOUT UP SECTION AWARDS



CLICK ME FOR MORE DETAILS

Awards & Achievement



IEEE Antennas and Propagation Society

takes pleasure in presenting this Certificate to

Somak Bhattacharyya

In recognition and appreciation

For exceptional performance from May 1, 2022 to April 30, 2023 as a
Reviewer of the IEEE Transactions on Antennas and Propagation



Stefano Maci
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IEEE Antennas and Propagation Society

Felix Vega
Secretary
IEEE Antennas and Propagation Society



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:

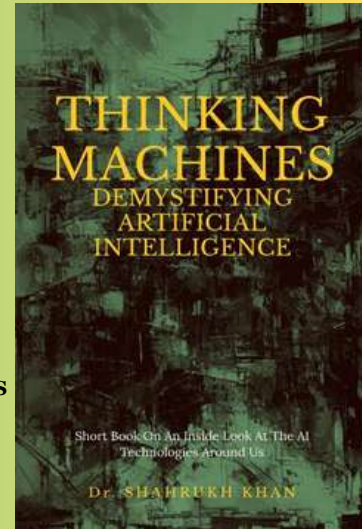
Written for the curious citizen, business leader and policymaker alike, the book covers the capabilities and limitations of AI systems today with clear explanations and relatable examples. The reader learns how "thinking machines" work - from machine learning and neural networks to computer vision and 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.

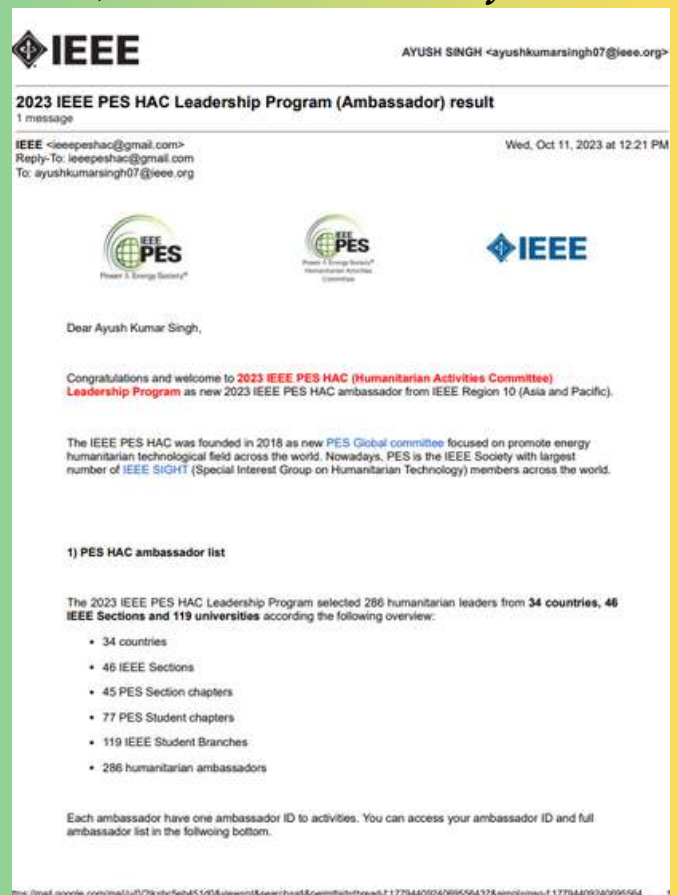


Dr. Shahrukh Khan
Author:- THINKING MACHINES



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

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



COLLAGE OF EVENTS



PROFESSIONAL LECTURE SERIES

TOPIC: DESIGN THINKING FOR INNOVATION

SUPPORTED BY

IEEE Region 10 | UP SKILL 2023 | IEEE Professionals Region 30

MONDAY 31 JULY 2023

TIME 9:15 AM ONWARDS (IST)

MODE HYBRID (OFFLINE AND ONLINE)

REGISTER NOW | JOIN THE SESSION

SPEAKER: Prof. J. Ram Kumar (IITM, IISc, IIT Bombay)



Chandrayaan-3 Mission

Get ready to witness history in the making as IEEE brings you an exclusive opportunity to experience the Chandrayaan-3 mission like never before.

Join us for a real time journey to the moon

DATE: 23 AUG 2023

CVR COLLEGE OF ENGINEERING

In association with JSS Academy of Technical Education Noida

CELEBRATING IEEE WIE DAY 2023

Panel Discussion & Expert Talks on the topic: Women in Sustainability & Climatic Change

Panel Discussion: July 2023 from 6:00 p.m. to 8:00 p.m. | Expert Talk: 12th July 2023 from 6:00 p.m.

Panelists: Anushka Marimuthu, Dr. M. Lakshmi Suresh, Dr. Vijaya, Suresha Rajendra Deshpande, Shikha Singh Gosh, Dr. Apoorva

THINKING MACHINES

DEMISTIFYING ARTIFICIAL INTELLIGENCE

Short Book On An Inside Look At The AI Technologies Around Us

Poetry Competition

BHARAT, कुछ लफ़्ज़ों में

SAFE HAVEN: FOSTERING RESPECTFUL CAMPUS

Date-11th of August

PRIZES for all winners

MODERATORS: Dr. K.K. Singh, Dr. Sangamita Bhatia

COORDINATORS: Jyoti Dhotwani, Dr. Anshu Singh

Timing- 3 pm onwards

Multipurpose hall, Amity



COLLAGE OF EVENTS



IEEE R10 Young Professionals UpSkill 2023 - Uttar Pradesh
 Date & Time: August 08, 2023, 10:00 AM Onwards (IST)

No.	Names of the Activity	Time	Speaker
1.	Registration, Inaugural Ceremony & Introduction	10:00- 10:30 AM	Anam Kumar Singh
2.	Management Skills in Engineering to Succeed	10:30- 11:30 AM	Rafiq Ahmed
HIGH TEA			
3.	Maintaining integrity, honor, and dignity in Engineering Profession	11:45- 12:45 PM	Akheesh Kumar Singh

Registration Link: <https://forms.gle/BU53Lud9pEoN0t1RA>

Venue: Jyoti Engineering College, Kannauj

Contact us at: +91-9917088838, 0394844

Organized by: **Uttar Pradesh Section IEEE Young Professionals**



COLLAGE OF EVENTS



IEEE Uttar Pradesh Section
(STB11533)
Geeta Banda
Mr. Sourabh Ghosh
MNNIT Allahabad, Prayagraj
2:00 PM onwards
FF-02



MEME-MAKING COMPETITION

"FUSE YOUR CREATIVITY WITH PATRIOTISM IN OUR MEME-MAKING COMPETITION, CRAFTING HUMOR AND RESPECT FOR A HARMONIOUS CAMPUS!"

"SPREADING SMILES, BUILDING RESPECT: THE SAFE HAVEN MEME CHALLENGE"

PRIZE FOR WINNERS!

FREE REGISTRATION!!!
<https://forms.gle/9AxpMGB9qSDMPTG9>

SCAN THE QR:





IEEE BBDITM Student Branch
MNNIT IS CELEBRATING
WORLD ENTREPRENEUR DAY
Guest Talk
August, 2023
Mar Hall, BBDITM, Lucknow



COLLAGE OF EVENTS



MIS hands on training at the Department of Physics, U.P., India on 07th August 2023



Resonance excitation & Ionization of S-II

These three wavelengths are generated by a tunable dye laser pumped by a CO₂ laser.

Three Tunable Lasers of Suitable Parameters Needed for selective ionization of desired atomic species.

Images of Pulse Generating Unit and 19" racks

MPC, PGT, JRC, Auxiliary Discharge, Resonance, Charging Bin, Filter Bin, Storage, separator, Antenna Unit, 80-120, Broad Band, FT.



ROUND 1:- Go Right Or Go Home !

- There will be 20 MCQs based on emerging technology.

ROUND 2:- Who Am I !

- Some riddles will be there for the shortlisted participants.

ROUND 3:- Prove Yourself !

- Confidential Round.

Note - For registration, fill the

Evolution of Engineers

RANCH, MORADABAD INSTITUTE OF TECHNOLOGY

UPRADESH SECTION ASIA PACIFIC

GEO CODE-STB15154

IEEE Advancing Technology for Humanity

RISING STARS

Date: 15th September, 2023

Venue: C block seminar hall

Coordinating convener: Sarthak Shrivastava (4th year)

Coordinating convener: Sakshi Chaudhary (3rd year)



IEEE Advancing Technology for Humanity

TECHNO QUEST

DATE: 3 July 2023

VENUE: C Block Seminar Hall

Coordinating convener: Sakshi Chaudhary (CSE, 2nd year)

Coordinating convener: Somya Tripathi (CSE, 2nd year)

IEEE AP-S, MTT-S, EDS, Nanotechnology Student Branch Chapter, IIT (BHU) Varanasi

Technical Talk: Compound Semiconductor devices and beyond

Date: 25 Aug

Time: 3:00

Venue: Committee Room, Department, IIT(BHU)

Dr. Sandeep Kumar
Ph.D., SMIEEE
Deputy General Manager



VOLUNTEER MESSAGES

Dr. Saiyed Salim Sayeed (Professional Member IEEE UP Sec)

IEEE has a dual complementary regional and technical structure with organizational units based on geography and technical focus.



HITANSH DWIVEDI, CHAIR SB & CS BBDITM LUCKNOW

"IEEE Given me the various opportunities to explore and learn always something new. I got various volunteering opportunity to buildup my leading experience thank you for everything."



SHIVANI TIWARI , VICE-CHAIR PELS IEEE BBDITM LUCKNOW

IEEE has provided me a great opportunity for volunteering and Developing technical knowledge and also gaining my skills for future career . Thank you IEEE



AYUSH KUMAR SINGH ,WEBMASTER SB & VICE-CHAIR PES IEEE BBDITM LUCKNOW

IEEE the largest professional organization in the world devoted towards the all around development of skills, it develops my skills like technological skills, communication skills. Thank you IEEE



ANUNAY SRIVASTAVA, VICE-CHAIR SPS IEEE BBDITM LUCKNOW

"IEEE organization helps me to develop my communication skills, personality development and teach about new technologies, event management and many more, this is the platform where we can to increase our thinking ability and grab new ideas."



RITIK SINGH , Chairperson ,IEEE STUDENT BRANCH CHAIR AUUP LKO

IEEE the largest professional organization in the world which helps students for developing their career in new field & prepare us to ready for new technical Era. Thank you IEEE



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