

>>> IUSN | 2024 <<<

IEEE UTTAR PRADESH SECTION



NEWSLETTER

ABOUT IEEE?

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IEEE UP SECTION NEWSLETTER 2024

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Prof. Somak Bhattacharyya
Chair, Electronic Communication &
Information Management Activities
Committee

I am pleased to announce the release of Volume 8, Issue 2, of the IEEE UP Section Newsletter for 2024. 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 reflects 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 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 editorial team for their valuable efforts in bringing this newsletter to fruition.



Prof. Rafik Ahmad
Chapter Chair, Editor

It is with great enthusiasm that I introduce the latest iteration of the IEEE UP Section Newsletter, Volume 8, Issue 2 highlighting the notable achievements and milestones of our section. Serving as the Editor of this Newsletter is a distinct honor, and I express my gratitude to Prof. Yogesh Singh Chauhan, 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 Lucknow. I eagerly anticipate continuing our collaboration and working alongside my dedicated team from IEEE BBDITM Lucknow, wishing everyone a successful future.



Prof. Smita Sharma
Co-opted Member, Editor

We are excited to announce upcoming events, conferences, and workshops designed to facilitate networking opportunities and professional development within our IEEE UP Section community. Whether you're a seasoned professional, an aspiring researcher, or a student embarking on your academic journey, there's something here for everyone. As we strive to uphold the values of excellence, integrity, and inclusivity within IEEE UP Section, we encourage you to actively participate, share your insights, and contribute to the collective growth of our community. Your perspectives, experiences, and expertise are invaluable assets that enrich the fabric of our IEEE UP Section Newsletter. Additionally, I would like to thank Prof J Ram Kumar and Prof Rafik Ahmad, as well as their amazing group of student volunteers, for volunteering their invaluable time to compile this newsletter. We would especially want to thank each and every member for their invaluable contributions.

**U.P. SECTION
&
STUDENT BRANCH
EVENTS**

Activity Reported by Amity Institute of Information Technology

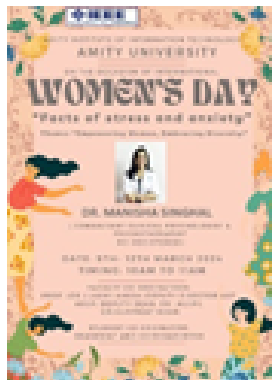
Time and date :

5-12 March 2024

Venue : I1 309

Total Participation : 100

Name of Event : Women's Day



Agenda :

- Understanding the facts of stress and anxiety issues in women.
- Strategies for empowering women to cope with stress and anxiety.
- Importance of embracing diversity and inclusivity in addressing mental health challenges.

Description: Dr. Singhal encouraged students to share their experiences and insights regarding stress and anxiety. Dr. Singhal generously provided her contact information, extending her support beyond the event for those seeking further guidance in clinical psychology. The coordination of the event was seamlessly managed by Dr. Gurpreet Kaur and Prof. Dr. Laxmi Ahuja. Their efforts ensured smooth execution and enhanced student engagement. Special recognition goes to Dr. Gurpreet Kaur and Dr. Rashmi Vashisth for their facilitation and support throughout the session, fostering a welcoming atmosphere for both the guest speaker and attendees. The event not only celebrated Women's Day but also highlighted the importance of addressing stress and anxiety issues while promoting empowerment and inclusivity for women.

Time and date: 2:30 PM- 3:30 PM

25/01/2024

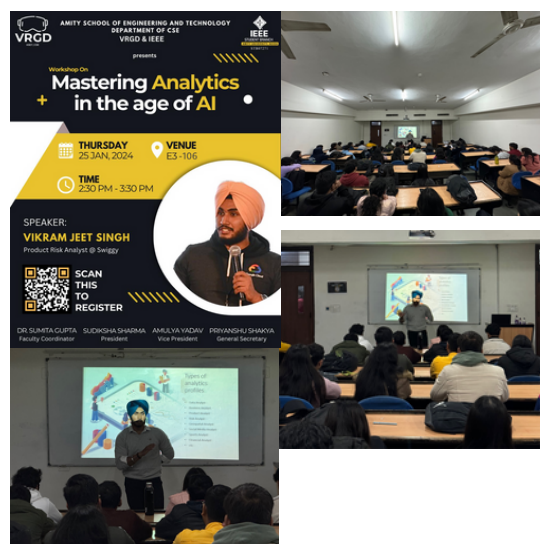
Venue: E3- 106

Total Participation:50

Name of Event: Mastering Analytics in the age of AI

Agenda: Workshop for students on Analytics and Artificial Intelligence

Description: "Mastering Analytics in the Age of AI" was a compelling workshop facilitated by Mr. Vikram Singh Jeet, who serves as a Product Risk Analyst at Swiggy. The event was marked by insightful discussions on how analytics can be optimized in the era dominated by artificial intelligence. Mr. Singh Jeet's expertise and the practical applications he presented made for an engaging and highly informative session, drawing active participation from the audience.



Activity Reported by Amity Institute of Information Technology

Name of Event : A Technical Lecture – Securing the Digital Frontier via Identity and Access Management

TIME AND DATE : 11.01.2024 / 11.15 AM TO 12.15 PM.

VENUE : I1 BLOCK, LAB 1

TOTAL PARTICIPATION : 60



The lecture was started about the recent development in the field of software development and emergence of Identity and Access Management. The speaker talked about cyber security and encryption standards related to this field. He also explained the career growth in this area. In the end, while answering students' queries, he discussed about the trade off in the higher education in Australia.



Name of Event : A Technical Lecture – Campus to Corporate: A Technical Discussion

TIME AND DATE : 12.01.2024 / 4.00 PM TO 5.00 PM

VENUE : ONLINE

TOTAL PARTICIPATION : 82



The event focused on guiding MCA graduates in areas such as Data Structures and Algorithms (DSA), reflecting Mr. Arman Raj's broad expertise. He shared and interacted with students his knowledge on quantum technologies, Federated Learning, CSMA, Software models, and various topics enriched the participants' understanding, making the event an enlightening experience. The interactive nature of the online session facilitated direct engagement, enabling students to ask questions and seek advice on various aspects of their academic and professional journey. The event left a lasting impact, empowering the students with practical tips and a deeper understanding of the evolving landscape in information technology and software development.

Activity Reported by Amity Institute of Information Technology

Name of Event : Student Celebration - Lohri Celebration

**TIME AND DATE : 11.01.2024 / 11.15 AM TO
12.15 PM.**

VENUE : I1 BLOCK, LAB 1

TOTAL PARTICIPATION : 60

The event starts with the welcome of the faculty and students in the venue. They were all welcomed with speeches by the members of the cultural club. The evening came alive with a kaleidoscope of talents as our students showcased their remarkable skills in dance, music, and other cultural expressions. The stage pulsated with energy and rhythm, taking us on a captivating journey through the rich tapestry of art and culture that our diverse student body brings to life. The quiz was being conducted to check the knowledge of the students and the faculty members. It was based on questions related to Lohri and Hindi Diwas. The first three winners who ranked the top were rewarded by the club. It was such an interesting event to attend. All were given the vote of thanks for their contribution in organizing the event and their participation.



Name of Event : Student Celebration – Vishwa Hindi Divas

TIME AND DATE : 11.01.2024 / 2.00 PM ONWARDS

VENUE : I 1-309, 3 RD FLOOR

TOTAL PARTICIPATION : 45

Agenda : The aim to celebrate the Vishwa Hindi Divas to create awareness about the language and celebrate the event when it was adopted as one of India official languages. One another aim for the students aware of the linguistic diversity and cultural richness of India, with a focus on the Hindi language's importance in the country's identity.

It's also a day to honour and promote the use of Hindi while respecting the multilingual fabric of India.

Description : Vishwa Hindi Divas focuses on language promotion, cultural exchange, and education, while Lohri emphasizes agricultural significance, cultural traditions, and community unity. This event was attended by the faculties, staff members and students. The students organized performances such as dance, music and poetry readings.



Activity Reported by Aligarh Muslim University

WORKSHOP 2.0 ON VERILOG
Date of Event: 27th of April, 2024

Speaker Presentations:

Professor Naushad Alam, who had also introduced students to Verilog in the first workshop, inaugurated the event by familiarizing participants with Field-Programmable Gate Arrays (FPGAs). He then provided a comprehensive explanation of hardware description languages, focusing on Verilog HDL and its various modeling levels. The workshop continued as he explored the basics of Verilog HDL, guiding attendees on how to craft code for each modeling approach used in Verilog.

The practical aspect of the workshop was facilitated by Abdul Haadi and Ashish Kumar Singh. They explained the specifics of the FPGA board used during the session, providing insights into the locations of peripherals on the board. Furthermore, they guided students in designing and implementing an adder using Verilog, allowing participants to gain hands-on experience with this essential hardware description language.



Introduction:

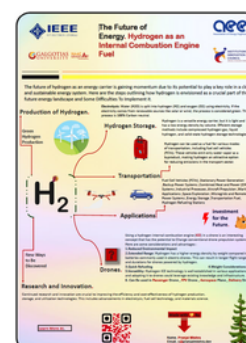
The IEEE Robotics & Automation Society (RAS), ZHCET, organized an engaging and informative workshop on April 27, 2024, focusing on the topic of "Verilog." This workshop was a continuation of the first workshop on Verilog, which was very informative and helpful for attendees, held on November 4th, 2023. Held within the computer lab of the Electronics Engineering department, the workshop aimed to provide participants with valuable insights into hardware description languages, specifically Verilog HDL, and the various modeling levels employed in Verilog. This enlightening workshop drew a notable crowd, with 28 enthusiastic and aspiring students in attendance.



Event by Galgotias University

The Future of Energy. Hydrogen as an Internal Combustion Engine Fuel

The future of hydrogen as an energy carrier is gaining momentum due to its potential to play a key role in a clean and sustainable energy system. Here are the steps outlining how hydrogen is envisioned as a crucial part of the future energy landscape and Some Difficulties To Implement it.



FUSEN-2024

Nurturing Future Generation in Sustainable Energy

Organised by the Electrical Engineering Department, GLA University, Mathura

1.	Mr. Tarun Kumar Varshney, Solution Engineer at Siemens Energy
2.	Ms. Kandarpi Tahlilani, Assistant Manager at Azure Power
3.	Mr. Aashish Bansal, Engineering Group Supervisor at Bechtel India
4.	Mr. Gunjesh Tahlilani, Senior Electrical Design Engineer at L&T Construction
5.	Mr. Ankit Tiwari, Program Manager at Clean Tech Industry Resources

DATE OF EVENT: IN ONLINE
MODE
11TH -12TH JUNE 2024



The Department of Electrical Engineering at GLA University, Mathura, hosted the highly anticipated FUSEN-2024, a project and poster competition for pre-university students, on June 11th and 12th, 2024. The event, themed "Nurturing Future Generation in Sustainable Energy," aimed to inspire young minds to explore and innovate in sustainable energy. This event is supported by the IEEE UP Section GENS working group and PES GLAU Student Chapter.

The inaugural ceremony was graced by Professor Mohammad Rihan, Director General of the National Institute of Solar Energy (NISE), who served as the Chief Guest. Professor Rihan highlighted the importance of sustainable energy in today's world and encouraged students to pursue innovative solutions for a greener future.

Over two days, FUSEN-2024 featured an array of activities designed to engage and educate participants. The event included four project/poster presentation sessions where students showcased their innovative ideas and research. These sessions were a testament to the creativity and technical prowess of the young participants.

Additionally, FUSEN-2024 hosted six keynote speaker sessions, where industry experts shared their insights and experiences. The keynote speakers included

These sessions provided invaluable knowledge and inspiration to the participants, reinforcing the event's theme of nurturing future generations in sustainable energy. Professor Asheesh Kumar Singh from MNNIT Allahabad, Prayagraj, was the Chief Guest at the valedictory ceremony. Professor Singh lauded the efforts of the students and the organisers and emphasised the crucial role of young innovators in the sustainable energy sector.

The event was successfully led by Prof. Vinay Kumar Deolia, Head of the Department of Electrical Engineering, and meticulously organised under the expert guidance of Dr. Sanjay Kumar Maurya, Associate Professor and Organizing Chair. Their leadership and dedication ensured the smooth execution of the event and a rich learning experience for all participants. The competition concluded with the announcement of exciting rewards for the top presentations, celebrating the hard work and innovation of the young minds. FUSEN-2024 successfully provided a platform for pre-university students to explore sustainable energy solutions, fostering a new generation of environmentally conscious engineers and innovators.



Overall Activity Report of ISTEMS 2024

Organised by Graphic Era deemed to be University, Dehradun

DATE OF EVENT: 26 -27 APRIL 2024



Delegates for this conference are

- Chief guest Prof. (Dr.) S. N. Singh, Director, Atal Bihari Vajpayee- Indian Institute of Information Technology and Management (ABV-IIITM), Gwalior.
- Dr. Asheesh Kumar Singh, Professor, Department of Electrical Engineering, MNNIT, Allahabad, UP, India.
- Dr. J. Ramkumar, Professor, Department of ME and Design, Indian Institute of Technology Kanpur, India.
- Dr. Satish Kumar Singh, Professor, Department of Information Technology, Indian Institute of Information Technology Allahabad, India.

Brief note about the conference was given by Prof. (Dr.) Fahim Ansari, Head EED and Welcome address by Prof. (Dr.) Rakesh Sharma Pro Chancellor Graphic Era deemed to be University followed by special address given by Prof. (Dr.) Narpinder Singh, Vice Chancellor Graphic Era Deemed to be University, Prof. (Dr.) Sanjay Jasola, Vice Chancellor, Graphic Era Hill University Dehradun and Chief guest Prof (Dr.) S. N. Singh, Director, Atal Bihari Vajpayee- Indian Institute of Information Technology and Management (ABV-IIITM), Gwalior

On Day 1, 26th April 2024, the program began with a series of keynote addresses. Prof. (Dr.) Asheesh Kumar Singh delivered the first keynote from 11:45 AM to 12:30 PM, focusing on "Digital Twin for Sustainable Power and Energy Systems." This was followed by Prof. (Dr.) J. Ramkumar's keynote from 12:30 PM to 1:15 PM on "Viksit Bharat 2047." The final keynote of the morning was presented by Prof. (Dr.) Satish Kumar Singh from 1:15 PM to 2:00 PM, addressing "Recent AI Challenges."

In the afternoon, from 3:00 PM to 5:00 PM, ten parallel technical sessions took place, each overseen by 20 session chairs. Concurrently, two special sessions were held. Dr. Varun Kakar spoke on topics relevant to IEEE Young Professionals from 3:00 PM to 3:45 PM, while Mr. Sourabh Ghosh covered initiatives and innovations in humanitarian technology during his session from 3:45 PM to 4:30 PM.

Day – 2 (27TH April 2024)

During the Keynote Sessions 1-3, the first session was delivered by Prof. (Dr.) P.M Pathak from the Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, India, on the topic "Bionic Manipulators" from 9:00 AM to 9:45 AM. Following this, Keynote Session 2 took place between 9:45 AM and 10:30 AM, where Dr. D.P. Singh, Associate Professor at the University of Littoral, Côte d'Opale, France, presented on "Liquid Crystalline Columnar Mesogens: Potential Materials for Modern Optoelectronic Applications." The third session, Keynote Session 3, was held from 11:15 AM to 12:00 PM, with Dr. Krzysztof Blecharz from the Department of Electric Drives and Energy Conversion at Gdansk University of Technology, ul. G. Narutowicza, discussing the "Small Counter-Rotating Wind Turbine Horizontal Axis Wind Power Plant with the Low-Speed Multi-Phase Doubly Fed Generator."

Ten parallel technical sessions were conducted between 12:00 PM and 2:00 PM, overseen by 20 session chairs. In addition to these sessions, a Special Session on IEEE Women in Engineering took place from 1:00 PM to 1:45 PM at the K.P Nautiyal Block, led by Dr. Smita Sharma. The session was honored by the presence of Chief Guest Dr. V.K. Saraswat, Chancellor of Graphic Era Deemed to be University, Dehradun. The event concluded with a Vote of Thanks delivered by Dr. Fahim Ansari, Professor and Head of the Electrical and Electronics Department at Graphic Era Deemed to be University, Dehradun.

Activity Report of Harcourt Butler Technical University, Kanpur



The IEEE Student Branch and IEEE PELS Student Branch Chapter at Harcourt Butler Tech. Uni. (HBTU), Kanpur, recently organized a series of impactful events that brought together students, professionals, and enthusiasts from the power electronics field. These events served as platforms for knowledge sharing, networking, and fostering innovation. Let's delve into the highlights of these remarkable events.

2nd Executive Committee Meeting:

Date: 8th April, 2024

Time: 4:00 PM to 5:00 PM

Venue: Simulation Lab, Electrical Engineering Department, HBTU

Mode: In-Person



The IEEE Student Branch and IEEE PELS Student Branch Chapter conducted its 2nd Executive Committee Meeting on April 08, 2024. This meeting was conducted under the visionary leadership of Prof. Sanjiv Kumar (Faculty Advisor

IEEE SBC HBTU) and Mr. Ashutosh Yadav (Chair, IEEE PELS SBC HBTU Kanpur). The office bearers of the chapter first presented an overview of the events held in the last trimester. The success and shortcomings of the events were discussed and feedbacks were taken from the members as well as the volunteers to be considered for the upcoming events.

The office bearers then took the responsibilities of the various events and teams were finalised for the efficient processing of events. The meeting was concluded with the assigned of events to the members and formation of different teams for different events .

The IEEE Student Branch and IEEE PELS Student Branch Chapter recently hosted a GATE guidance session featuring Mr. Anant Singh , 2024 batch Electrical Engineering who achieved AIR 67 in the GATE 2024 examination.

Mr. Anant Singh Sir delivered an engaging keynote address, highlighting the systematic approach to preparation, the significance of regular mock tests, and effective time management strategies. The interactive Q&A session that followed allowed attendees to delve deeper into specific queries, benefiting from firsthand experiences and practical advice

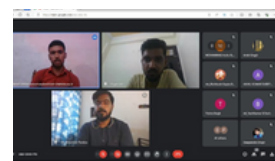
GATE Talk

Date: 11th April, 2024

Time: 3:00 PM to 5:00 PM

Venue: Google Meet

Mode: Online



Logo Design Contest

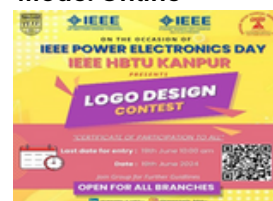
The IEEE Student Branch and IEEE PELS Student Branch Chapter hosted an engaging logo design competition in celebration of IEEE PELS Day. The competition aimed to foster creativity and engagement among students interested in power electronics and energy conversion.

Participants were challenged to create a logo that symbolizes innovation, sustainability, and the spirit of Power Electronics. Winners were awarded based on the quality of their designs, and the event concluded successfully, highlighting the IEEE Student Chapter's dedication to promoting creativity and community involvement in power electronics education

Date: 19th June, 2024

Venue: Google Form

Mode: Online



Expert Talk:

Date: 20th June, 2024

Time: 1:30 PM to 3:30 PM

Mode: Online

The IEEE Student Branch and IEEE PELS Student Branch Chapter organized a WEBINAR on 20th June 2024 via google meet. The webinar was organized on the occasion of IEEE PELS DAY which started around 1:30 PM.

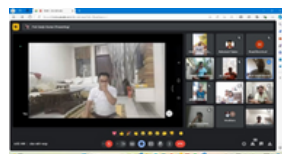


Activity Report of Harcourt Butler Technical University, Kanpur

The title for the webinar was "DC Microgrids: For Rural Electrification," featuring Dr. Akansha Garg, postdoctoral research associate, University of Manchester, UK Secretary of IEEE PES SBC, University of Manchester. The session aimed to explore the application of DC microgrid technology in addressing energy challenges in rural areas, emphasizing its potential for sustainable and reliable electrification solutions.. The webinar concluded with a stimulating Q&A session, where participants engaged actively in discussing the feasibility and future prospects of DC microgrids in enhancing energy access and promoting socio-economic development in rural communities.

Quiz Based On Webinar: Following the informative webinar on "DC Microgrids: For Rural Electrification" organized by The IEEE Student Branch and IEEE PELS Student Branch Chapter, a quiz was conducted to gauge participants' understanding of the topic. Participants enthusiastically responded to the quiz, showcasing their grasp of the technological and practical aspects of DC microgrids. The quiz not only reinforced the knowledge gained from the webinar but also provided an interactive platform for attendees to consolidate their learning and engage in meaningful discussions about the future applications of DC microgrid technology.

Date: 21th June, 2024
Time: 6:00 AM to 7:15 AM
Mode: Online

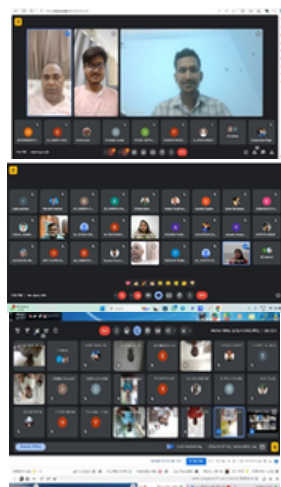


International Yoga Day Celebration

On the occasion of International Yoga Day, The IEEE Student Branch and IEEE PELS Student Branch Chapter organized a virtual yoga session aimed at promoting holistic well-being among students and faculty. The session, conducted via an online platform, attracted participants from various disciplines who gathered to commemorate the benefits of yoga for physical and mental health. Led by Prof. Sanjiv Kumar (Faculty Advisor, IEEE SBC HBTU), the session commenced with a brief introduction to yoga's significance in fostering mindfulness and relaxation amidst academic rigor

Placement Talk-4

Date: 29th June, 2024
Time: 7:00 PM to 9:00 PM
Mode: Online



The IEEE Student Branch and IEEE PELS Student Branch Chapter organized a dynamic placement talk featuring Mr. Naman Tiwari Sir and Mr. Mayank Pandey Sir 2024 batch Electrical Engineering. The event aimed to provide valuable insights and guidance to students preparing for their upcoming placements.

During the session, the seniors shared their personal experiences, from interview preparation strategies to navigating recruitment processes in leading companies. They emphasized the importance of technical skills, soft skills, and networking in securing placements. The talk concluded with an interactive Q&A session where attendees received practical advice and encouragement, enhancing their readiness for the competitive job market. The event underscored the IEEE Student Chapter's commitment to supporting professional development and career growth among its members. These events organized by the IEEE Student Branch and Student Branch Chapter at HBTU Kanpur truly exemplified their commitment to fostering technical growth, knowledge dissemination, innovation, creativity, and well-being. Through expert talks, interactive sessions, and engaging competitions, the chapter provided a platform for individuals to broaden their horizons, connect with industry experts, and showcase their skills. The success of these events can be attributed to the dedication and hard work of the chapter's members and volunteers, who worked tirelessly to organize meaningful experiences for the participants. Their efforts have strengthened the power electronics community at HBTU Kanpur and provided a stepping stone.

Activity Report of IIT (BHU)

Date: April 9th, 2024

Time: 12:30 PM (IST)

Location: Department of Electronics Engineering, IIT (BHU), Varanasi

Organized by: IEEE NANOTECHNOLOGY COUNCIL, IEEE ELECTRON DEVICES SOCIETY, IEEE AP-

S, MTT-S, Student Branch Chapter, IEEE Communication society and Department of Electronics Engineering, IIT (BHU), Varanasi

No. of Participants: 38 Students + 7 Staff

Introduction:

The IEEE technical talk on "The Electromagnetics of 6G" brought together researchers, engineers, and industry professionals in 6G. The event aimed to highlight how Electromagnetics plays a pivotal role in shaping the future of 6G technology. As we advance toward the sixth generation of wireless communication, the demand for faster data rates, lower latency, and increased reliability escalates. Electromagnetics serves as the foundation upon which many crucial aspects of 6G are built.

Opening Remarks:

The event commenced with opening remarks by Dr. Muralikrishnan Srinivasan (Assistant Professor Department of Electronics Engineering, IIT-BHU), expressing gratitude to the speakers and attendees for their participation. Millimeter-wave frequencies are anticipated to be extensively utilized in 6G to achieve unprecedented data rates. Electromagnetics aids in modeling the propagation characteristics of millimeter waves, facilitating the design of beamforming techniques, antenna arrays, and communication protocols tailored for these frequencies.

Speaker Presentations:

Prof. Uday Khankhoje delivered insightful presentations, sharing their expertise and research findings. The talks covered various aspects of Electromagnetics research fuels the exploration of metamaterials and advanced antenna technologies for 6G. Metamaterials offer unprecedented control over electromagnetic waves, enabling the creation of novel antennas, lenses, and absorbers with tailored electromagnetic properties. Discuss how global cooperation among industry stakeholders, academia, and regulatory bodies is essential for ensuring interoperability, compatibility, and widespread adoption of 6G technology.

Panel Discussion:

Following the presentations, a stimulating panel discussion provided a platform for attendees to interact with the speakers. The discussion concerned on how advancements in electromagnetics have enabled the evolution of wireless communication from 2G to 6G. Highlight the key breakthroughs in antenna design, propagation modeling, and electromagnetic theory that have paved the way for 6G technology. Explore the role of electromagnetics in maximizing spectrum utilization for 6G.

Closing Remarks:

The event concluded with closing remarks from Dr. Somak Bhattacharyya, expressing gratitude to the speakers and attendees for their contributions to the technical talk. In a fitting conclusion, we had the honor to have Dr. Atul Kumar (Assistant Professor of the Department of Electronics Engineering, IIT-BHU) present a memento of appreciation to Prof. Uday Khankhoje. The event emphasized the insightful discourse on electromagnetics is indispensable for realizing the ambitious goals of 6G technology, including ultra-fast data rates, ultra-low latency, ubiquitous connectivity, and seamless integration with emerging technologies like AI and IoT. By advancing our understanding of electromagnetic phenomena and harnessing its principles, researchers and engineers can unlock the full potential of 6G, ushering in a new era of connectivity and innovation.

Key Takeaways:

The technical talk on "The Electromagnetics of 6G" offered valuable insights into how we restore coverage, reflecting intelligence surface, how we can change the beam reflection angle, parallel with beamforming in phase array metasurfaces, recent move from reflect arrays to Metasurfaces, Electromagnetic modeling of Metasurfaces, Application and advantages of Metasurfaces.



Activity Report of IIT (BHU)

Introduction:

The IEEE technical talk on "Life 2.0: Reflections on the Journey from Classroom to Boardroom" brought together researchers, engineers, and industry professionals. He will unravel the intricacies of his evolution, offering profound insights, practical wisdom, and inspirational anecdotes from his voyage. From the corridors of academia to the boardrooms of multinational enterprises, each twist and turn in Ritesh's narrative serves as a guiding beacon for aspiring professionals navigating their transition into the corporate echelon.

Date: April 18th, 2024

Time: 12:15 PM (IST)

Location: Department of Electronics Engineering, IIT (BHU), Varanasi

Organized by: IEEE NANOTECHNOLOGY COUNCIL, IEEE ELECTRON DEVICES SOCIETY, IEEE AP-

S, MTT-S, Student Branch Chapter and Department of Electronics Engineering, IIT (BHU), Varanasi

No. of Participants: 22 Students + 5 faculty



Opening Remarks:

The event commenced with opening remarks by Prof. Manoj Kumar Meshram (Head of Department of Electronics Engineering, IIT-BHU), expressing gratitude to the speakers and attendees for their participation. His journey serves as a beacon of hope for aspiring professionals, illuminating the possibilities that lie beyond the confines of conventional education and emboldening us to embrace the challenges and opportunities that await us in the corporate arena.

Speaker Presentations:

Ritesh Mangal delivered insightful presentations, sharing his experience by elucidating the genesis of his journey, tracing his humble beginnings in the corridors of academia to the pivotal moments that ignited his passion for business and leadership. Through personal anecdotes and reflections, he highlights the formative experiences and influences that shaped his early aspirations and set the stage for his future endeavors.

Panel Discussion:

Following the presentations, a stimulating panel discussion provided a platform for attendees to interact with the speakers. The discussion concerned Insights into the qualities and skills essential for leadership and professional development, Guidance for overcoming challenges, and seizing opportunities in the corporate landscape. How to come out of our comfort zone own and how it impacts economic rate and the tale of Mahabharat was fascinating.

Closing Remarks:

The event concluded with closing remarks from Dr. Somak Bhattacharyya, expressing gratitude to the speakers and attendees for their contributions to the talk. In a fitting conclusion, we had the honor to have Prof. Manoj Kumar Meshram (Head of the Department of Electronics Engineering, IIT-BHU) present a memento of appreciation to Ritesh Mangal. Insightful reflections on the transition from academia to corporate leadership, Practical strategies for adapting to new roles and responsibilities, Lessons learned from personal experiences and professional challenges, Guidance for charting a course towards personal and professional growth, Opportunities for audience engagement and dialogue.

Key Takeaways:

The talk on "Life 2.0: Reflections on the journey from classroom to Boardroom" offers a compelling narrative of personal and professional growth, inspiring individuals to embrace the transformative journey towards leadership and success in the corporate arena. Through candid reflections, practical wisdom, and engaging dialogue, Ritesh Mangal empowers the audience to embark on their journeys of self-discovery, resilience, and fulfillment

IEEE DEIS SBC IIT KANPUR

1. Webinar

Under the Webinar Series, the IEEE DEIS Student Branch Chapter at IIT Kanpur organized a webinar on June 14, 2024, from 6 P.M to 7 P.M. by Mr Subhankar Das, a distinguished scientist from the Philips Medical System, Pune, India, presented on the topic of "Introduction to High Voltage design related to X-ray device." The event, conducted via Zoom, garnered an audience of approximately 20 participants. In this webinar hosted by the IEEE DEIS Student Branch Chapter, Mr. Das's presentation delved into the fundamentals of generating and managing high voltage for X-ray tubes, safety protocols to mitigate risks, and key components like transformers and rectifiers. It also emphasizes the importance of precise control and insulation in high-voltage circuits. Practical design examples and best practices for ensuring reliable and safe operation were also discussed.



2. EIM Article about the “Activities-Based Branch Incentive Award”

IEEE DEIS SBC at IIT Kanpur received the “Activities-Based Branch Incentive Award” in the first year of its formation from the IEEE UP Section in the Annual General Meeting. An article about the achievements of the DEIS student chapter was published in the July/August 2024 edition of Electrical Insulation Magazine, a quarterly magazine of IEEE DEIS Society.



Progress Report by Professional Activity Committee

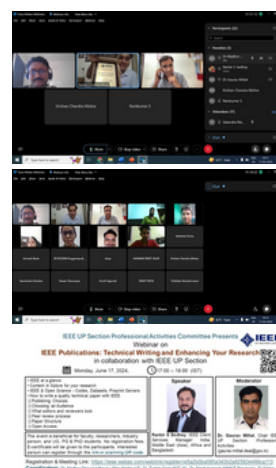
Activity 1:

Earth Day Celebration 2024 with Theme: “Planet Vs Plastic” on 22nd April 2024 Sponsored by Uttarakhand State Council for Science & Technology (UCOST), Dehradun, Jointly organized by Veer Madho Singh Bhandari Uttarakhand Technical University, Dehradun Supported by IEEE UP section PAC at WIT, Dehradun Coordinated by Sh K.C Mishra, WIT, Dehradun (Member PAC)

Activity 2:

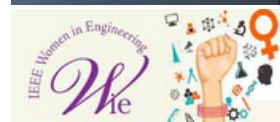
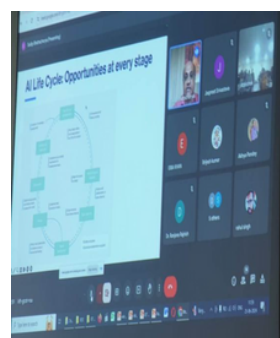
One Webinar on IEEE Publication: Technical Writing and Enhancing your Research has been organized by the IEEE UP Section Professional Activities Committee on June 17 2024 from 5 pm to 6 pm in online mode through the Webex portal. The talk was delivered by Mr. Ranbir Singh Sedhey, IEEE Client Services Manager India, Middle East (Asia), Africa, and Bangladesh.

Prof J Ramkumar spoke on the benefits of IEEE and Prof Yogesh Chauhan introduced the IEEE UP Section. Dr Gaurav Mittal moderated the event and Dr Madhur Deo Upadhyay concluded the event with a vote of thanks. A memento was presented to the speaker Mr Ranbir Singh Sedhey. A total 41 Participant and Panelist from different background jointed the webinar .



Activity Report of Institute of Engineering and Technology

REPORT ON IEEE WOMEN IN ENGINEERING DAY



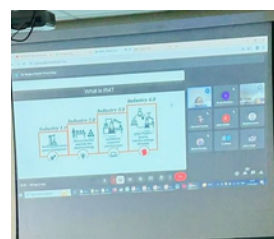
IEEE Women in Engineering (WIE) was established on June 29, 1997. Since then, WIE has proudly supported an ever-growing community of women in STEM (Science, Technology, Engineering, and Mathematics) and has taken steps to promote change in the industry. Its mission is to raise the profile of women making a difference in engineering, celebrating their hard work and accomplishments, and inspiring others to join the field and contribute to technological advancements. During the 2024 IEEE WIE Day celebrations (from June 23 to July 12), local Affinity Groups and Student Branch Affinity Groups organize events globally to support the advancement of women in STEM.

The purpose of IEEE Women in Engineering (WIE) Day is to celebrate and recognize the contributions of women in the field of engineering, aiming to raise awareness about the importance of gender diversity in STEM (Science, Technology, Engineering, and Mathematics) and inspire more women to pursue careers in engineering. During this day, various events and activities are organized globally to promote networking, mentorship, and professional development for women engineers.

On June 25th, 2024, the Institute of Engineering and Technology celebrated IEEE Women in Engineering Day under the IEEE Student Branch. This year's theme was "Engaging More Women in AI and 4IR". The event was held in hybrid mode. Er. Sheetal Singh, Secretary of IEEE, welcomed all distinguished guests, providing an overview of the day and explaining the purpose of the gathering. The event was co-hosted by Er. Shahleena Kidwai Assistant Professor ECD. Prof. Subodh Wariya, Head of the Department of ECD, also welcomed all distinguished guests in both online and offline modes. The event commenced with the lighting of the lamp and offering of flowers to Goddess Saraswati. Mrs. Anupama Singh, President of IETLAA and a notable alumna of IET, Lucknow, graced the occasion as the Chief Guest. Director Professor Vineet Kansal, along with Prof. Subodh Wariya and Prof. Neelam Srivastava, participated in the rituals, joined by our experts Dr Parul Yadav, Dr. Pragati Shukla, Dr. Arunima Verma, and Ms. Vandana Sharma.

During the event, Prof. Vineet Kansal addressed the audience and emphasized the role of women in engineering. He also motivated the students about technological advancements from different industrial revolutions. This was followed by a talk from Prof. Neelam Srivastava, Branch Counsellor IEEE, who highlighted the event's themes, emphasizing "Engaging More Women in AI and 4IR".

Mr Sudip Bhattacharya, Co-founder and CTO of RB Innovate and Interview Cracker, delivered a keynote address on Inclusion in AI. Dr Ranjana Rajnish (Professor, Amity University) and Nagadeepthi (Technical Coach, HCL) shared valuable insights and motivated the audience. Dr Parul Yadav shared insights on the transformative impact of AI and the 4IR, and the importance of increasing women's participation in these fields. Dr. Divya Sharma, Assistant Prof. in ECE, and Er. Shahleena Kidwai, Assistant Prof. in ECE, delivered a technical talk on "the roles of women in technological advancements in 4IR".

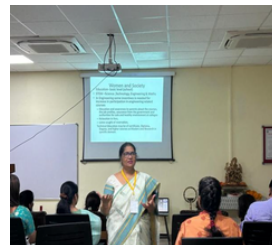


Activity Report of Institute of Engineering and Technology

The technical talks were followed by a Panel discussion themed “Challenges and Disparities of Women at Workplaces”. Ms. Neha Singh and Er. Jaspreet Kaur (Vice Chair, IEEE) moderated the panel discussion, which included both male and female participants who shared their thoughts and perspectives. The panelists included Mrs. Anupama Singh (Chief Guest), Prof. Neelam Srivastava, Dr RCS Chauhan, Dr Abhishek Nigam, Dr. Pragati Shukla, Ms. Vandana Sharma, and Ms. Nimisha Srivastava. Students and faculty actively participated in the panel discussion, contributing their thoughts and views.

Er. Rahul Singh, faculty from ECD, enlightened the students about the IEEE Student Branch and how it plays a vital role in fostering technical, professional, and personal growth among students in the fields of electrical, electronics, computer science, and related disciplines.

Approximately 150 students and 30 faculty members, along with IEEE student branch representatives participated in the event. The event was coordinated by Er. Kirti Prakash Vice Chair IEEE. A vote of thanks was given by Er. Pallavi Pant, Chair IEEE student branch, thanked all the dignitaries and attendees present, both online and offline.



A REPORT ON WORLD TELECOMMUNICATION AND INFORMATION SOCIETY DAY



World Telecommunication Day has been celebrated annually on 17 May since 1969, marking the founding of ITU and the signing of the first International Telegraph Convention in 1865. It was instituted by the Plenipotentiary Conference in Malaga-Torremolinos in 1973 as Resolution 46. In November 2005, the World Summit on the Information Society called upon the UN General Assembly to declare 17 May as World Information Society Day to focus on the importance of ICT and the wide range of issues related to the Information Society raised by WSIS. The General Assembly adopted a resolution (A/RES/60/252) in March 2006 stipulating that World Information Society Day shall be celebrated every year on 17 May. In November 2006, the ITU Plenipotentiary Conference in Antalya, Turkey, decided to celebrate both events on 17 May as World Telecommunication and Information Society Day.

The purpose of World Telecommunication and Information Society Day (WTISD) is to help raise awareness of the possibilities that the use of the Internet and other information and communication technologies (ICTs) can bring to societies and economies, as well as ways to bridge the digital divide. World Telecommunication and Information Society Day 2024 offers the chance to explore how digital innovation can help connect everyone and unlock sustainable prosperity for all. With 2.6 billion people still unconnected, glaring digital gaps hinder innovation across much of the world. Many countries – lacking key policies, investments, and digital skills – are struggling to keep up in today’s fast-changing digital landscape. WTISD 2024 reminds the world of the progress yet to be made to ensure that everyone can benefit from digital technologies. On 17th May 2024, the Institute of Engineering and Technology celebrated World Telecommunications and Information Society Day under the IEEE Student Branch. This year’s theme was Digital Innovation for Sustainable Development. On this occasion, Er. Jaspreet Kaur, Vice Chair of IEEE, welcomed all the distinguished guests. She provided an overview of the day and explained the purpose of the gathering. The event began with the lighting of the lamp and offering flowers to Goddess Saraswati. Director Professor Vineet Kansal was the Chief Guest of the event.

Activity Report of Institute of Engineering and Technology

He emphasized the importance of prioritizing in-person interaction alongside digital connectivity. He also motivated students to vote and led everyone in taking an oath.

On this occasion, Prof. Neelam Srivastava, Counselor IEEE delivered a lecture on the theme where she discussed various innovation techniques that contribute to achieving the UN's sustainable development Goals. Digital Innovations transforming society in various dimensions like environmental innovation, making society environmentally friendly. Corporate social responsibility becomes an important component of every MNC. Telecom Industries promotes digital innovation for reshaping industries and promoting sustainable practices to make every life comfortable and safe.

Students and faculty members participated in the events to share their views. One PG student Nimisha Srivastava and faculty Mr. Anurag Yadav enlightened about Digital Innovation in Smart Agriculture and the Role of Electronics in telecommunications.

Prof. RCS Chauhan Associate Professor ECD and Er. Rahul Singh faculty ECD enlightened the students about the IEEE student branch and how The IEEE (Institute of Electrical and Electronics Engineers) Student Branch plays a vital role in fostering technical, professional, and personal growth among students in the fields of electrical, electronics, computer science, and related disciplines.

About 150 students and 30 faculty members, along with IEEE student branch representatives participate in the event. The students were coordinated by Er. Kirti Prakash. Er managed the student's record during this event. Sheetal Singh. The event concluded with Professor Subodh Wairya, the Head of the Department, sharing inspiring ideas on enhancing the branch's activities to make them more beneficial and widely accessible both in-house and outside. A vote of thanks was given by Ms Pallavi Pant Chair IEEE student branch.



IEEE BBDITM (STB10214)

Date: 06 Jun 2024

Time: 10:00 AM to 11:00 AM

Venue: College Garden, BBDITM, Lucknow, Uttar Pradesh, India 226028,
Building: E-block

Event 1:

WORLD ENVIRONMENT DAY 2024: PLANTATION DRIVE

Description: BBDITM plantation drive on the occasion of World Environment Day in association with IEEE BBDITM AND KARMAVESH. the Plantation Drive organized by Babu Banarasi Das Institute of Technology and Management (BBDITM):

On June 5, 2024, in celebration of World Environment Day, BBDITM conducted a successful plantation drive. Faculty members, students, and staff actively participated in planting saplings across the campus. The chosen tree species aimed to enhance biodiversity and promote a greener ecosystem. BBDITM reaffirmed its commitment to environmental conservation and sustainable practices.

Event 2:

WORLD ENVIRONMENT DAY 2024: PLANTATION DRIVE

Description: On June 20, 2024, the Electrical Engineering Department of Babu Banarasi Das Institute of Technology and Management (BBDITM) hosted a special event to celebrate PELS Day. The event, held in the seminar hall of E-block, featured a lecture followed by a project exhibition, showcasing the innovative work of the students and faculty.

Lecture Session

The event commenced at 2:00 PM with an insightful lecture delivered by esteemed experts in the field of electrical engineering. The speakers covered a range of topics relevant to the Power Electronics Society (PELS), emphasizing recent advancements and future trends in power electronics and electrical engineering.

Project Exhibition

Following the lecture, the project exhibition provided a platform for students to present their research and innovative projects. The exhibition highlighted the practical applications of theoretical knowledge, encouraging peer interaction and fostering a collaborative learning environment.

The event was a resounding success, reflecting the commitment of BBDITM to fostering innovation and academic excellence in the field of electrical engineering. The students and faculty alike gained valuable insights and inspiration from the day's activities, reinforcing the importance of events like PELS Day in the academic calendar.



IEEE BBDITM (STB10214)

Date: 15 Apr 2024

Time: 03:00 PM to 05:00 PM

Venue: E-block Room Number: 507,
Seminar Hall, BBDITM Lucknow, Uttar
Pradesh, India, 226028



EVENT: EXPERT TALK ON GENERATIVE AI

Description: I am happy to share with you all that the Sub-Section Coordination, Outreach & Strategic Planning (SSC-OSP) Committee, IEEE UP Section has organized 1st Lecture by our guest speaker Prof. Shekhar Verma (IT Department, IIIT-Allahabad) on Monday (15th Apr 2024) from 3 PM onwards.

Gen AI" often refers to Generation AI, which encompasses individuals born into a world where artificial intelligence (AI) is prevalent and deeply integrated into daily life. These individuals are sometimes called "digital natives" or "AI natives" because they grow up with technology as an inherent part of their existence. "Gen AI" represents a generation that is not only comfortable with AI-driven technologies but also expects them to be seamlessly integrated into various aspects of life, including education, work, healthcare, and entertainment. They are likely to have a different relationship with technology compared to previous generations, viewing AI as a natural tool rather than a novel or intimidating concept.

EVENT 2

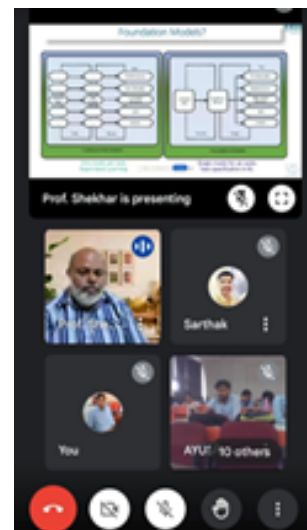
EXPERT TALK ON ELECTRIC MOBILITY AND INNOVATION

Description: "EXPERT TALK" conducted at IEEE BBDITM(STB10214), Lucknow, Uttar Pradesh India 🇮🇳, R10 presence of IEEE PES DAY Design and India lead Mr. Hitansh Dwivedi and Our brand ambassadors of the student branch.

Electric mobility refers to the use of electric-powered vehicles for transportation, offering a sustainable alternative to traditional internal combustion engine vehicles. Innovations in electric mobility have transformed the automotive industry, transportation infrastructure, and energy systems. Here's a brief overview of key innovations in electric mobility:



IEEE BBDITM (STB10214)



Topics we covered: GEN AI: Gen AI" often refers to Generation AI, which encompasses individuals born into a world where artificial intelligence (AI) is prevalent and deeply integrated into daily life. These individuals are sometimes called "digital natives" or "AI natives" because they grow up with technology as an inherent part of their existence. "Gen AI" represents a generation that is not only comfortable with AI-driven technologies but also expects them to be seamlessly integrated into various aspects of life, including education, work, healthcare, and entertainment. They are likely to have a different relationship with technology compared to previous generations, viewing AI as a natural tool rather than a novel or intimidating concept.

The lecture has been arranged for BBDITM, Lucknow, and others may also join it Online mode using the following link:

<https://meet.google.com/oeh-cvys-kdwopice>

Date: 22 Apr 2024

Time: 12:00 PM to 01:30 PM

Venue: E-block, Room No.507,
Seminar Hall, BBDITM, Lucknow,
Uttar Pradesh, India



PES DAY

DAY 1: EXPERT TALK ON LI-ION BATTERY MANUFACTURING

Description: Lithium-ion (Li-ion) batteries are a type of rechargeable battery commonly used in portable electronics, electric vehicles, and energy storage systems. They are highly popular due to their high energy density, relatively low self-discharge rate, and long cycle life compared to other rechargeable battery chemistries; Lithium-ion (Li-ion) battery manufacturing involves several key processes:

Material Preparation: This stage involves sourcing raw materials such as lithium salts, cobalt, nickel, manganese, and graphite. These materials undergo purification and mixing to form the battery's cathode, anode, and electrolyte components.

Electrode Production: The cathode and anode materials are coated onto metal foils (usually aluminum for the cathode and copper for the anode) through processes like slurry coating, calendaring, and drying. Precision is crucial to ensure uniformity and efficiency.

Assembly: In this phase, the electrodes are combined with a separator material and rolled into a cylindrical or prismatic shape. This assembly is then inserted into a metal casing, forming the basic structure of the battery cell.

IEEE BBDITM (STB10214)



Date: 23 Apr 2024

Time: 02:00 PM to 03:00 PM

Venue: E-block, Room No.507,
Seminar Hall, BBDITM, Lucknow,
Uttar Pradesh, India



Electric Vehicles (EVs): EVs utilize electric motors powered by rechargeable batteries instead of internal combustion engines. **Battery Technology:** Advances in battery technology have significantly improved the energy density, charging speed, and lifespan of batteries used in EVs.

Shared Mobility Solutions: Electric mobility is driving the growth of shared transportation services, such as electric ride-sharing.

Integration with Renewable Energy: Electric mobility can be coupled with renewable energy sources like solar and wind power to create a fully sustainable transportation ecosystem.

Date: 23 Apr 2024

Time: 03:00 PM to 05:00 PM

Venue: E-block, Room No.507, Seminar Hall, BBDITM, Lucknow,
Uttar Pradesh, India

QUIZ COMPETITION ON "EMPOWERING ELECTRIC MOBILITY INNOVATION"

Description: The IEEE BBDITM Student Branch organized a quiz competition for individual students on April 23, 2024, starting at 3 PM, in celebration of IEEE PES Day 2024. The event focused on the theme "Empowering Electric Mobility Innovation," aiming to enhance knowledge and spark interest in electric mobility technologies. Participants showcased their understanding of electric vehicles, sustainable energy, and related innovations, competing in a series of challenging questions. The competition fostered a spirit of learning and enthusiasm, reflecting the commitment of IEEE PES to advancing technological solutions for electric mobility. The event was a resounding success, highlighting the bright future of electric mobility through the engagement of young minds.

Date: 24 Apr 2024

Time: 02:00 PM to 04:00 PM

Venue: E-block, Room No.507, Seminar Hall, BBDITM, Lucknow, Uttar Pradesh, India



DAY 3: MEMBERSHIP DRIVE, CERTIFICATE DISTRIBUTION & CAKE CUTTING CEREMONY

Description: On April 25, 2024, the IEEE BBDITM Student Branch celebrated Day 3 of IEEE PES Day 2024, focusing on the theme "Empowering Electric Mobility Innovation." The day's events included a membership drive, a certificate distribution ceremony for the quiz competition, and a cake-cutting ceremony.

The membership drive aimed to attract new members to IEEE PES, highlighting the benefits and opportunities associated with membership. Enthusiastic students and professionals joined the drive, showing a keen interest in being part of a community dedicated to advancing electric mobility.

Following the membership drive, certificates were awarded to the winners and participants of the quiz competition held earlier. The quiz successfully engaged students, testing their knowledge of electric mobility and innovation. The certificate distribution ceremony recognized their achievements and encouraged further learning and involvement in the field.

The day's celebrations concluded with a joyous cake-cutting ceremony, symbolizing the unity and collaborative spirit of the IEEE PES community. The event was a blend of formal recognition and informal camaraderie, embodying the theme of empowering electric mobility innovation through collective efforts and shared enthusiasm.

Debate Organised by IEEE BBDITM (STB10214)

EVENT 1:

DEBATE COMPETITION ON THE TOPIC "DIGITAL INNOVATION FOR SUSTAINABLE DEVELOPMENT"

Date: 17 May 2024

Time: 12:30 PM to 01:30 PM

Venue: E-block, Room Number: 507 Seminar Hall, BBDITM, Lucknow, Uttar Pradesh, India, 226028

Description: On May 17, 2024, the IEEE Student Branch of BBDITM University organized a debate competition to celebrate World Telecommunication Day, aligning with the theme "Digital Innovation for Sustainable Development."

The event aimed to foster critical thinking and innovative solutions among students regarding the role of digital technologies in achieving sustainable development goals.

Debate Format: The competition featured teams, each comprising two members. The debate followed a knock-out format, with teams presenting their arguments for and against various subtopics related to digital innovation and sustainable development. Each debate round lasted 20 minutes, with teams given 5 minutes for opening statements, 5 minutes for rebuttals, and 10 minutes for open floor arguments and conclusions.

Key Topics Discussed:

- The impact of AI and machine learning on sustainable agriculture.
- The role of blockchain in promoting transparency and reducing corruption.
- The potential of smart cities in achieving energy efficiency and reducing carbon footprints.
- Challenges and solutions in bridging the digital divide in developing nations.

At the end of the debate competition winner of the debate competition got the Certificate of Appreciation and Trophy as well.



Workshop Organised by IEEE BBDITM (STB10214)

Date: 24 May 2024
Time: 11:00 AM to 01:00 PM
Venue: E-block, Room Number: 507
Seminar Hall, BBDITM, Lucknow,
Uttar Pradesh, India, 226028



EVENT 2: WORKSHOP ON BASIC ARDUINO

Description: The IEEE Student Branch of Babu Banarasi Das Institute of Technology and Management (BBDITM) organized an enlightening and hands-on workshop on Arduino on the 24th of May, 2024. The event commenced at 11:00 AM in the Seminar Hall, Room 507, at the BBDITM campus in Lucknow. The primary objective of the workshop was to introduce students to the world of Arduino. The workshop aimed to provide a practical understanding of Arduino, enabling participants to develop their own projects and enhance their technical skills.

Hands-on Session: Setting Up the Arduino Environment: Participants were guided through the process of setting up the Arduino IDE on their laptops. This session included installing the necessary software, connecting the Arduino board, and writing their first basic code to light up an LED.

Hands-on Session: Building Basic Projects: After the lunch break, the participants engaged in a hands-on session where they built several basic projects using Arduino. These projects included a blinking LED, a temperature sensor, and a simple motor control circuit.

Date: 25 May 2024
Time: 11:00 AM to 01:00 PM
Venue: E-block, Room Number: 507
Seminar Hall, BBDITM, Lucknow, Uttar
Pradesh, India, 226028

EVENT 3: APPLICATION OF BASIC ARDUINO & WORKSHOP

Description: On 25th May 2024, the IEEE Student Branch at Babu Banarasi Das Institute of Technology and Management (BBDITM) organized an enriching workshop titled "Arduino and Its Applications." This event aimed to provide participants with a comprehensive understanding of Arduino microcontroller platforms and their wide range of applications.

The workshop commenced at 11:00 AM in Seminar Hall, Room 507, with an enthusiastic gathering of students and faculty members. The event was inaugurated by Mr. Anupam Singh formal Chair of SIGHT and 4th Year B-tech. Electrical Engineering, BBDITM, highlighted the importance of Arduino in modern technology and encouraged students to engage actively in the sessions.

The first session covered the fundamentals of Arduino, including its history, architecture, and the wide array of models available. Participants were introduced to the Arduino Integrated Development Environment (IDE) and basic programming concepts.

Advanced Arduino Applications: The final session focused on advanced applications, including IoT projects, robotics, and automation. Attendees explored how Arduino can be integrated with other technologies to create innovative solutions.



IEEE PES Day Celebration at S.R. Institute of Management & Technology, Lucknow

🌟 Celebrating Innovation in Electric Mobility! 🌟

On the auspicious occasion of IEEE PES Day 2024, the IEEE Student Branch of S.R. Institute of Management & Technology, Lucknow, organized a thrilling poster-making competition centered around "Empowering Electric Mobility Innovation." The event was a showcase of creativity, passion, and vision for a sustainable future.

🏆 Congratulations to our Winners! 🏆

🥇 Ms. Sita Verma - First Place

🥈 Mr. Arendra Kumar - Second Place

🥉 Mr. Suraj Kumar - Third Place

We applaud their dedication and innovative spirit in envisioning a greener, more efficient future for electric mobility. Each poster was a testament to the bright minds shaping tomorrow's transportation landscape.

🌟 Special Thanks to Prof. Beer Singh, Advisor, IEEE SRIMT for his words of encouragement and support to all the winners.

Dr. Khadim Moin Siddiqui, Ph.D. Electrical Engineering, our esteemed mentor and Student Branch Counselor inspired everyone with a powerful speech on the significance of innovation, sustainability, and collaboration in shaping the future of electric mobility. His words resonated deeply with our community of budding engineers and innovators.

A big thank you to all participants, organizers, and supporters who made this event a resounding success! Together, let's continue to empower electric mobility innovation and drive towards a cleaner, brighter future.



Talk Session on AI and ML Fundamentals at IEEE SBC SRIMT



World Telecommunication and Information Society Day Event



Inauguration of IEEE Women in Engineering (WIE) Affinity Group at SRIMT, Lucknow

The IEEE Women in Engineering (WIE) Affinity Group was inaugurated at SRIMT Lucknow on 29 June 2024. The event was graced by the presence of esteemed guests, including Prof. Celia Shehnaz, Chair, IEEE WIE, BUET, Bangladesh, as the Chief Guest and Prof. Prerna Gaur, Immediate Past Chair, IEEE Indian Council, NSUT, Delhi, as the Guest of Honor.

The Inauguration ceremony marked the beginning of a new chapter in promoting diversity and inclusion in the field of engineering. The WIE Affinity Group aims to inspire and empower women engineers and scientists, providing a platform for networking, mentorship, and professional development.

Prof. Celia Shehnaz, in her address, emphasized the importance of gender diversity in STEM fields and encouraged the students to pursue their passion and break gender stereotypes. Prof. Prerna Gaur shared her experiences and challenges faced as a woman in engineering, inspiring the students to strive for excellence.



Events Organized By Rajkiya Engineering College Banda

Time: 10:30 AM

Venue: VCR, REC Banda

Name of Event: Debate on Open AI.

Agenda: To make students aware of the Open AI.

Description

“Debate on Open AI” was organized by EEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 27 th April 2024.

Benefits:

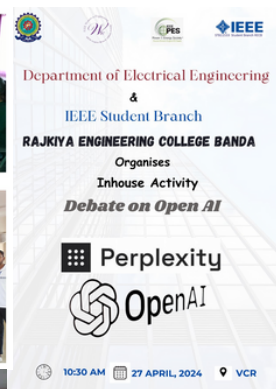
- It was a very informative and knowledge-enriching debate for the participants.
- Provided different approaches to a topic.

Name of Event: Local Visit to Primary Schools.

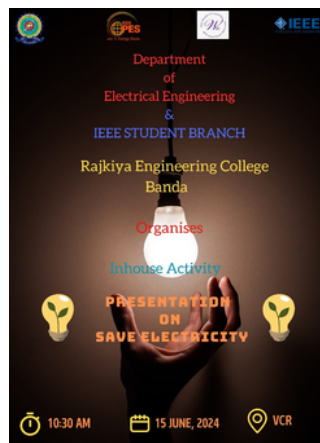
Agenda: To interact with students of primary schools.

Description:

“Local Visit to Primary School” was organized by EEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 4th May 2024. It was a very informative and knowledge-enriching visit for the students of primary schools. Gave a chance to make students aware about different technologies.



Events Organized By Rajkiya Engineering College Banda



Time: 10:30 AM
Venue: VCR, REC Banda

Name of Event: Presentation on Save Electricity.

Agenda: To make students aware of the importance of Saving Electricity.

Description

“Presentation on Save Electricity” was organized by EEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 15th June 2024.

Benefits:

- It was very informative for the participants to know different methods of saving electricity.
- Provided different approaches to a topic.



Time: 09:30 AM
Venue: VCR, REC Banda

Description

“IoT session on Sensors.” was organized by EEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 23rd June 2024.

Benefits:

- It was a very informative and knowledge-enriching session for the participants.
- Provided different approaches to a topic.
- Enabled profound and in-depth understanding of the sensors.



Time: 02:30 PM
Venue: VCR, REC Banda

Name of Event: WIE Day Celebration.

Agenda: To make students aware of the WIE Day.

Description

“WIE Day Celebration” was organized by the IEEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 29th June 2024. IEEE Women in Engineering (WIE) is one of the largest international professional organizations dedicated to promoting women engineers and scientists and inspiring girls around the world to follow their academic interests in a career in engineering.



Events Organized By Rajkiya Engineering College Banda

Time: 11:30 AM

Venue : VCR, REC Banda

Name of Event: Celebration on formation of new student chapter IEEE Power & Energy Society.

Agenda: To make students aware of the IEEE Power & Energy Society.

Description:

Celebration of the formation of new student chapter IEEE Power & Energy Society. was organized by EEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 22 ndApril 2024.



Time: 11:30 AM

Venue : VCR, REC Banda

Name of Event: Celebration on formation of new student chapter IEEE Power & Energy Society.

Agenda: To make students aware about the IEEE Power & Energy Society.

Description:

Celebration of the formation of a new student chapter IEEE Power & Energy Society. was organized by EEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 22 ndApril 2024.



Time :11:00 AM

Venue: VCR, REC Banda

Name of Event: Machine Learning Technique with Real Life Application.

Agenda: To make students aware about the techniques and trends of Machine Learning.

Description

“Machine Learning Technique with Real Life Application” was organized by EEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 6th April 2024. The expert for this seminar was Dr.Mayank Singh.

Here, the expert gave an elaborative overview on Machine learning techniques with giving real life applications.

Benefits:

- It was a very informative and knowledge-enriching seminar for the participants.
- Enabled profound and in-depth understanding of the topic.
- Provided different approaches to a topic



Events Organized By Rajkiya Engineering College Banda



Time: 8:00 AM

Venue: Seminar hall, REC Banda

Name of Event: Celebration of Yoga Day.

Agenda: To make students aware of the importance of Yoga in our daily life.

Description

“Celebration of Yoga Day” was organized by EEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 21st June 2024.

Benefits:

- It was very informative for the participants to know about the importance of yoga in our daily life.
- Participants get to know about the benefits physical and mental health.



Time: 02:30 PM

Venue: VCR, REC Banda

Name of Event: Impromptu.

Agenda: To make students aware of the importance of Public Speaking.

Description

“Impromptu” was organized by EEE Student Branch REC Banda, IEEE Women Engineering, Power & Energy Society REC Banda & Department of Electrical Engineering on 22nd June 2024.

Benefits:

- It was very informative for the participants to know different methods of Public speaking.
- Provided different approaches to a topic.
- Builds Critical thinking of the participants.

Name of Event : IoT session on Sensors.

Agenda: To make students aware about the Sensors..



Conference at Uttaranchal University

Two days IEEE international conference on Smart Devices

A two-day International Conference on Smart Devices (ICSD) was organized from 2nd- 3rd May 2024 at Uttaranchal University. Chancellor Uttaranchal University Sh. Jitendra Joshi ji, Vice Chancellor Prof. Dharam Buddhi, Executive Director Dr. Abhishek Joshi and delegates inaugurated the event by lamp lighting.

A Smart Device is an embedded, Internet-connected computer that has the capacity to gather and analyze data and communicate with other systems. Smart Devices are poised to fill a growing number of roles in today's society, including: Automation, Field and service robotics, Assistive robotics, Military applications, Medical care, Entertainment, Prediction, Visual surveillance, and Intelligent transportation. In the relevance of the requirement of the hour international conference on Smart Devices was organized.

ICSD received total 783 articles with authors from nine countries India, USA, UK, Canada, Italy, Oman, Saudi Arabia, Ethiopia, Malaysia. Papers were accepted after very rigorous review process and 95 papers were accepted for presentation.



Delegates of the event included Chief guest Dr. Sibhan Kishen koul (Emeritus Professor -IIT Delhi), guest of honor Dr. Satish K Singh (IIIT Allahabad, Former chairman IEEE UP section), special guest Dr. N.P Pathak (Professor, IIT Roorkee), Dr. Varun Kakar (BTKIT dwarahat , joint secretary IEEE UP section), keynote speakers Dr. Abhishek Tripathi (The College of new jersey, USA), Dr. Satish Mahadevan Srinivasan (Pennsylvania state university, United States), Dr. Avinash kumar (University of Technology Sydney, Australia), Special guest Mr. S.P.Chakraborty (Advisor Wavetek technologies), Dr. Mahendra Swain (Industry professional, expert AI/ML/IoT, persistent system ltd.), Sh. Yogesh Gupta (Morgan building technology pvt. Ltd.), Mr. GNL Ravi Teja (Tejasya Innovative Solutions, consulting researchers for kriyative product design, Boston), Special guest Dr. Avirup Das Gupta (IIT, Roorkee), Special guest Dr. Gaurav Mittal (DEAL, Dehradun) also joined the event.

Session chairs of parallel tracks were Dr. P.S Pandey, G.L.Bajaj, Dr. Brajlata Chauhan (DIT University), Dr. K,C,Mishra and Dr. Ankur Dumka (WIT), Dr. Shailesh Mishra, NSUT, Dr. kamal Kumar Sharma, AEC, Dr. Ajoy Roy, LPU, Dr. Kamal Kumar IGDTW, Dr. Dolly Sharma, Amity University, Dr. S.Choudhury and Dr. P Prasanthi (UPES), Dr. Vinod Kumar (HRIT).

Vote of thanks was proposed by Prof. Rajesh Singh, Director, Research & Innovation. The programme was conducted by Prof. Anita Gehlot.

Inauguration Of IEEE PELS and PES society Student Branch Chapter at S.R. Institute of Management & Technology, Lucknow

The inauguration program of the IEEE PES Student Chapter and IEEE PELS Student Chapter at IEEE Student Branch of S.R. Institute of Management & Technology (SRIMT), Lucknow, was held on 17 April 2024 from 11:00 am to 12:00 pm. The event also includes the celebration of PES Day 2024 with the theme “Empowering Electric Mobility Innovation”.

Key details of the program:

Welcome Address by Chief Patron: Shri Pawan Singh Chauhan, Hon’ble MLC, Sitapur and Chairman, S.R. Group of Institutions (SRGI), Lucknow.

Patron: Er. Piyush Singh Chauhan, Hon’ble Vice-Chairman, SRGI, Lucknow

Co-Patron: Prof. S.N. Singh, Hon’ble Advisor, IEEE UP Section, former Chairman, IEEE India Council, Director ABV, IITM, Gwalior.

Chief Guest: Prof. Yogesh Singh Chauhan, Hon’ble Chairman, IEEE UP Section, Professor, IIT, Kanpur.

Guest of Honor: Prof. Asheesh Kumar Singh, Chairman, PELS Chapter, IEEE UP Section, former Chairman, IEEE UP Section, Professor MNNIT, Prayagraj.

Organizing Committee:

- Dr. D.P. Singh, Director, SRGI, Lucknow
- Er. Beer Singh, Convenor, Advisor IEEE Student Branch, SRIMT
- Dr. Khadim Moin Siddiqui, Organizing Secretary, IEEE Student Branch Counselor, SRIMT
- Er. Puneet Sharma, Coordinator, PES Student Chapter
- Er. Asheesh Kumar Tiwari, Coordinator, PELS Student Chapter

Head Volunteers:

- Neel Kamal, Chair, IEEE PELS Student Chapter, SRIMT, Lucknow
- Ashish Gautam, IEEE PES Student Chapter, SRIMT, Lucknow



Inauguration of the IEEE Computer Society Student Chapter at IEEE S.R. Institute of Management & Technology, Lucknow

The successful inauguration of the IEEE Computer Society Student Chapter at IEEE S.R. Institute of Management & Technology, Lucknow, held on June 8th, 2024, from 11:00 AM to 12:00 PM. This momentous occasion was marked by the inspiring presence of our distinguished guests and the dedicated efforts of our organizing team and volunteers.

Event Highlights:

Chief Guest: Prof. Bozena Pasik-Duncan, renowned for her extensive research in stochastic systems and control education.

Guest of Honor: Dr. Ramalatha Marimuthu, Director at iExplore Foundation, known for her innovations in teaching and strategic planning.

The event commenced with a warm welcome address by Dr. Khadim Moin Siddiqui, Senior Member IEEE, who set the perfect tone for the ceremony. Prof. Beer Singh, Dr. D.P. Singh, and Dr. Shashank Singh, key event organizers, were instrumental in making this event a grand success. Dr. Shashank Singh's heartfelt vote of thanks acknowledged the dedication and hard work of everyone involved.

Organizing Team:

Dr. Shashank Singh: Advisor, IEEE Computer Society and Convenor

Prof. Beer Singh: Convenor

Dr. D.P. Singh: Director of the Institute and Chief Convenor

Dr. Khadim Moin Siddiqui: Senior Member IEEE, Branch Counselor, and Organizing Secretary

Arpit Bhatia: Coordinator and Chair, IEEE CS Chapter

Ajay Kumar: Head Volunteer and Chair, Student Branch



Inauguration of IEEE Signal Processing Society at SRIMT, Lucknow

एसआर इंस्टीट्यूट ऑफ मैनेजमेंट एंड टेक्नोलॉजी ने आईईईई सिग्नल प्रोसेसिंग स्टूडेंट चैप्टर का उद्घाटन किया

नैतिक आशाज संवाददाता

लखनऊ। एसआर इंस्टीट्यूट ऑफ मैनेजमेंट एंड टेक्नोलॉजी एसआरआईएमटी ने अपने आईईईई सिग्नल प्रोसेसिंग स्टूडेंट चैप्टर का उद्घाटन किया। प्रतिष्ठित व्यक्तियों की उपस्थिति में उद्घाटन समारोह में संस्थान के निम्न स्तरों की छात्रा और नवाचार के एक नए युग की शुरुआत को स्वर्णवर्षों का नेतृत्व करते हुए आईईईई सिग्नल प्रोसेसिंग स्टूडेंट चैप्टर, पूर्वी क्षेत्र के अध्यक्ष डॉ. सतीश कुमार सिंह ने विस्तृत प्रमुख अतिथि के रूप में कार्य किया और उत्तरी प्रांतियों को बहुमुखी समर्पण प्रदान किया। कार्यक्रम की शुरुआत एसआरआईएमटी के



बधाई देने के लिए संस्थान की प्रमुखता पर प्रकाश डालते हुए साक्षात्कारमंडला डॉ. खदिम मोइन सिद्दीकी ने अध्यक्ष की शुरुआत को संघर्ष करने वाले सांस्कृतिक प्रयत्नों को स्वीकार करते हुए हार्दिक धन्यवाद दिया। एसआरआईएमटी के

कार्य में आशावाद व्यक्त करते हुए पीछे से आशापूर्ण निष्कर्षों की ओर बढ़ते हुए आईईईई सिग्नल प्रोसेसिंग स्टूडेंट चैप्टर के संस्थापक के रूप में प्रोफेसर बीर सिंह, छात्रों के लिए सीखने के अनुभवों और अवसरों को साक्षात्कार के माध्यम से साक्षात्कार और दृढ़ता के साथ आगे बढ़ेंगे, जो संस्थान के

S.R. Institute of Management & Technology Inaugurated IEEE Signal Processing Student Chapter on 8th April, 2024.

In a momentous event, S.R. Institute of Management & Technology (SRIMT) marked the inauguration of its IEEE Signal Processing Student Chapter. The ceremony, graced by esteemed dignitaries, heralded a new era of technological advancement and innovation for the institute.



Leading the proceedings was Dr. Satish Kumar Singh, Chairman of IEEE Signal Processing Society Chapter, UP Section, who served as the chief guest and imparted valuable guidance to the budding talents. The event commenced with a warm welcome address by Dr. D.P. Singh, the Director of SRIMT, setting the tone for an evening of academic excellence and collaboration.

Highlighting the institute's commitment to fostering a culture of innovation, Dr. Khadim Moïn Siddiqui, Ph.D. Electrical Engineering, the Branch Counselor, extended a heartfelt vote of thanks, acknowledging the collective efforts that made the chapter's inception possible. The visionary leadership of SRIMT, epitomized by the Institute Chairman and M.L.C. Sitapur, Shri Pawan Singh Chauhan, lauded the dedicated efforts of faculty and students alike. Expressing optimism about the chapter's potential, Shri Chauhan emphasized its role in opening new avenues for students through cutting-edge technology and innovative initiatives.

Er. Beer Singh, as the advisor of the new IEEE Signal Processing Student Chapter, brought a wealth of expertise and guidance to further enrich the learning experiences and opportunities for students. The event resonated with a spirit of collaboration, excellence, and forward-thinking, reflecting SRIMT's commitment to empowering students with the tools and knowledge needed to thrive in an ever-evolving technological landscape.

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