

APRIL-JUNE, 2023



**IEEE**  
UP SECTION (INDIA)

VOLUME 7. ISSUE 2

# 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

# CONTENTS

## MESSAGE

- DR. SATISH K. SINGH, SECTION CHAIR, IT DEPARTMENT, IIT ALLAHABAD
- PROF. S. N. SINGH, ADVISOR, EE DEPARTMENT, IIT KANPUR, ADDITIONAL RESPONSIBILITIES AS A DIRECTOR OF IITM-GWALIOR
- DR. RAJAT KUMAR SINGH, (CHAIR) ELECTRONIC COMMUNICATION ACTIVITIES
- PROF. RAFIK AHMAD, CHAPTER CHAIR, EDITOR, (ELECTRONIC COMMUNICATION & INFORMATION MANAGEMENT ACTIVITIES)

## U.P. SECTION & STUDENT BRANCHES EVENT

- IEEE CAS STUDENT BRANCH, WORKSHOP ON ROBUST AND RELIABLE VLSI CIRCUIT DESIGN
- TECHNICAL TALK ON "SUBSTRATE INTEGRATED WAVEGUIDE AND DIELECTRIC IMAGE LINE BASED CIRCUIT COMPONENTS AND ANTENNAS" AT IIT-BHU
- TECHNICAL TALK ON "RECESSED GROUND TECHNIQUES FOR MILLIMETER WAVE CIRCUITS AND ANTENNAS" AT IIT BHU
- ACTIVITY BY IEEE STUDENT BRANCH MNNIT ALLAHABAD, IEEE SENSORS COUNCIL UP CHAPTER
- TECHNICAL FEST "TECHATVIJ" BY IEEE COMPUTER SOCIETY STUDENT BRANCH CHAPTER RAJKIYA ENGINEERING COLLEGE, KANNAUJ
- ONE WEEK SHORT TERM COURSE ON "SIMULATION AND ANALYSIS OF MODERN POWER SYSTEM."- IEEE REC BANDA STB
- IEEE PES TALK BY DR. ANKIT YADAV AT IIT KANPUR ON "INSIGHTFUL INFORMATION ABOUT POST-DOCTORAL OPPORTUNITIES FROM INDIAN AND FOREIGN PERSPECTIVE"
- IEEE PES EVENT - IEEE PES DAY CELEBRATION" AT IIT KANPUR
- EVENTS OF IEEE STUDENT BRANCH AMITY UNIVERSITY, NOIDA (STB07271)
- IEEE ROBOTICS AND AUTOMATION CHAPTER SRMCEM LUCKNOW EVENT ELECTROWIZARD COMPETITION - TINKERCAD
- IEEE SRMCEM COMPUTER SOCIETY EVENT DEVCON FOR WEB -A FRONTEND WEBSITE COMPETITION
- 2-DAYS WORDPRESS WORKSHOP BY IEEE SB TULA'S INSTITUTE, DEHRADUN
- IEEE AMITY UNIVERSITY LUCKNOW(STB99083) EVENTS
- INAUGURATION AND ORIENTATION IEEE PELS CHAPTER HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR
- PELS DAY CELEBRATION IEEE STB HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR
- PROJECT EXHIBITION & PELS DAY CELEBRATION AT IEEE BBDITM STB IN COLLABORATION WITH IEEE BBDITM SBCs
- 3 DAYS WORKSHOP ON AI/ML BY IEEE BBDITM COMPUTER SOCIETY WITH GOOGLE DEVELOPERS GROUP BBDITM

## IEEE PES INDIA CHAPTER LEADER MEET 2023 , GWALIOR

## CONFERENCES

## AWARDS & ACHIEVEMENT

## COLLAGE OF EVENTS

## STUDENT MESSAGES

## EDITOR'S

## STUDENT EDITORIAL BOARD



## MESSAGES



### **Dr. Satish K. Singh** **Section Chair**

**Indian Institute of Information Technology  
ALLAHABAD**

I am delighted to announce the release of the Vol.7 , Issue 2 of the IEEE UP Section Newsletter for 2023. It is an immense privilege and joy to witness the continuous and dedicated efforts of the IEEE UP Section in providing exemplary service to the community. This newsletter serves as a reflection of the multifaceted growth and development of students and professionals in the technical and professional fields, ensuring a fulfilling experience for its readers. We have planned numerous professional activities, technical conferences, and award nominations that align with the goals and objectives of IEEE. I extend my heartfelt gratitude to each and every individual who has supported and cooperated with us, as this achievement would not have been possible without their contributions. With the collective cooperation and blessings of the divine, I am confident that the IEEE UP Section will thrive and reach new heights. I also extend my best wishes 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 Volume 7, Issue 2 of their 2023 Newsletter. On this joyous occasion, I extend my congratulations to each and every one involved in this successful endeavour. 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 would like to 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.

## MESSAGES



**Dr. Rajat Kumar Singh**  
**(Chair)**

**Electronic Communication  
Activities**

It's my pleasure to present to you Volume 7, Issue 2 of newsletter of the IEEE UP section. As the world's largest technical professional organization, IEEE offers a number of ways to get involved with technical and local communities, this newsletter being one of those ways, for which I would like to convey my sincere gratitude and thanks to the Chairman, IEEE UP Section Dr. Satish Kumar Singh, who has initiated this concept, in addition, to explore educational programs and offerings from IEEE to various other new fields. The Committee is working in three broader areas to provide details to the members: connectivity among members via social media, Section Website management, and Newsletter (Quarterly). I would also like to express my gratitude to Prof. Rafik Ahmad and his wonderful team of student volunteers who have given their valuable time to prepare this newsletter. A special thanks go to all the members for providing their tremendous input.



**Prof. Rafik Ahmad**  
**Chapter Chair, Editor**

**(Electronic Communication & Information Management Activities)**

I am happy to introduce the second edition of the IEEE UP Section Newsletter, which highlights the notable achievements and milestones of our section in the second issue of 2023. It is truly an honor for me to have the opportunity to serve as the Editor of this Newsletter. In this edition, we feature various events, accomplishments, awards, and more. I am extremely grateful to Dr. Satish Kumar Singh, the Chair of IEEE UP Section, for entrusting me with this responsibility. I extend my gratitude to all the dedicated volunteers who generously contributed their time to serve humanity. I would also like to express my appreciation to the members of the editorial board, with a special thanks to my exceptional team from IEEE BBDITM & IEEE AUUP Lucknow. I eagerly look forward to continuing our collaboration and working alongside my dedicated team from IEEE BBDITM & IEEE AUUP Lucknow.

I wish everyone a successful future ahead.



**U.P. SECTION**

**&**

**STUDENT**

**BRANCHES**

**EVENTS**

## IEEE CAS STUDENT BRANCH, WORKSHOP ON ROBUST AND RELIABLE VLSI CIRCUIT DESIGN

IEEE Student Branch Chapter IIT Roorkee in collaboration with IEEE Student Branch IIT Roorkee, IEEE UP Section, IEEE CASS Delhi Chapter and EIGEN Synopsys organised a three-day residential workshop on “Robust and Reliable VLSI Circuit Design”. The workshop was aimed at industry professionals, students, and academia to discuss the aspects of reliability and robustness of VLSI circuits led by expert academic and industrial practitioners. The workshop was scheduled from 7th to 9th April 2023 at Indian Institute of Technology Roorkee. It was a good opportunity for the participants for interaction and get a hands-on experience on circuit design for critical applications requiring reliability and reduction of design margins. These applications may be the automotive sector or highly variation prone low voltage circuits in IoT or emerging neuromorphic circuits. Experienced speakers were invited from reputed academic institutions and industry. The participants were encouraged to interact with the speakers, faculty members, industry personnel, and researchers at IIT Roorkee



## Technical Talk on “Substrate Integrated Waveguide and Dielectric Image Line Based Circuit Components and Antennas” at IIT-BHU



IEEE AP-S, MTT-S, and AESS Student Branch Chapter, IIT (BHU), Varanasi  
Presents  
**Technical Talk on :**  
**Substrate Integrated Waveguide and Dielectric Image Line Based Circuit Components and Antennas**  
Date: 24 April, 2023  
Time: 4:00 PM (IST)  
Venue: Committee Room, Electronics Engineering Department, IIT(BHU), Varanasi.

  
**Prof. Animesh Biswas**  
Professor,  
Department of Electrical Engineering  
Indian Institute of Technology (IIT) Kanpur  
Kanpur, 208016 India



A one-day technical talk on “Substrate Integrated Waveguide and Dielectric Image Line Based Circuit Components and Antennas” was organized by Electronics Department at the Committee Room on Monday, 24.04.2023 at Indian Institute of Technology (BHU) Varanasi. Ms. Kirti, the Chairperson of IEEE MTT-S SBC IITBHU welcome all the participants after which Dr. Somak Bhattacharyya, Faculty Advisor IEEE-MTT-S SBC had introduced the Keynote Speaker Prof. Animesh Biswas from the Department of Electrical Engineering, Indian Institute of Technology Kanpur. On account of the technical talk on “Substrate Integrated Waveguide and Dielectric Image Line Based Circuit Components and Antennas”, the resource person spoke briefly on dielectric image line-based circuits and antennas. The technical talk was very interesting and provided opportunity to discuss about this technology with the resource person. The program was successfully concluded by presenting memento as token of gratitude by Prof. M.K. Meshram, Head of the Department of Electronics Engineering, IIT (BHU) Varanasi to the resource person. With a formal vote of thanks by Dr. Somak Bhattacharyya, the event was concluded.



## Technical Talk on “Recessed Ground Techniques for Millimetre Wave Circuits and Antennas” at IIT BHU

A one-day technical talk on “Recessed Ground Techniques for Millimeter Wave Circuits and Antennas” was organized by Electronics Department at the Committee Room on Saturday, 22.04.2023 at Indian Institute of Technology (BHU). Ms. Kirti, the Chairperson of IEEE MTT-S SBC IITBHU welcome all the participants after which Dr. Somak Bhattacharyya, Faculty Advisor IEEE-MTT-S SBC had introduced the Keynote Speaker Prof. Mahesh P. Abegaonkar from Indian Institute of Technology Delhi. On account of the technical talk on “Recessed Ground Techniques for Millimeter Wave Circuits and Antennas”, the resource person spoke briefly on the effects of size of recessed ground on characteristic features of microstrip line including characteristic impedance, effective dielectric constant and attenuation constant. The technical talk was very interesting and gave the opportunity to discuss about the effect of recessed ground on lumped equivalent circuit parameters of microstrip line discontinuities including series-gap, open-end and step. The program was successfully concluded by presenting memento as token of gratitude by Prof. Manoj Kumar Meshram to the resource person.



## Activity by IEEE student Branch MNNIT Allahabad, IEEE Sensors Council UP Chapter

Name of Event: Students and Scientific Writing: Interactive Talk  
Agenda: To promote reading and publishing in technical field.  
Help to understand the purpose of scientific writing.

Description: On the occasion of "World Book Day", IEEE Sensor Council UP Chapter and IEEE Student Branch MNNIT Allahabad presented a Webinar on "Student and Scientific Writing: Interactive Talk". Dr. Mariam Shojai Baghini presented her views. It was an interactive session. Where everyone understands the fundamentals of scientific writing and why it is important.

Speaker: Dr. Maryam Shojaei Baghini, Professor, IIT Bombay. She is an IEEE senior member, and inventor/ co-inventor of 7 granted U.S. patents and 22 granted Indian patents. She is Distinguished Lecturer of IEEE Sensors Council from 2022 to 2024 and listed as one of the 51 selected Women Achievers in STEM by CII, India in 2021. She has published more than 320 peer reviewed international journals and Conference papers.

Time and Date: 11:00AM, 23rd April 2023.



## Activity by IEEE student Branch MNNIT Allahabad, IEEE Sensors Council UP Chapter

**Name of Event:** How Sensor Technologies are shaping the future of Telecommunication Industry.

**Agenda:** Connecting everyone with technologies and knowing how technology shape the future of the telecom industry. We celebrated World Telecommunication and Information Society Day.

**Description:** On the occasion of "World Telecommunication & Information Society Day" MNNIT presents a webinar on "How Sensor Technologies are Shaping the Future of Telecommunication Industry". Dr. Anil Roy of DA-IICT, Gandhi Nagar, the VP of technical operations of IEEE Sensors Council (2022-2023) was the speaker of this event. He presents a very informative presentation. We celebrate World Telecommunication & Information Society Day. Also know how Sensor's Technology contribute in Telecom industry.

**Speaker :** Dr. Anil Roy of DA-IICT, Gandhi Nagar

**Time and Date:** 06:00 PM, 17 May 2023



## Technical Fest “TECHATVIJ” by IEEE Computer Society Student Branch Chapter Rajkiya Engineering College, Kannauj



### साइबर सिक्योरिटी पर आयोजित सेमिनार का हुआ समापन

- इंजीनियरिंग कॉलेज की निदेशक रचना अस्थाना ने समापन समारोह का किया उद्घाटन
- आयोजित एक्सपर्ट टॉकशो में स्टूडेंट्स सीरिभ व वैभव ने पाया पहला स्थान



एस सीक्रेटरी ने एडमिशन अटक व सोशल नेटवर्क जैसे विषयों पर पर्चा को।  
बाद में कार्यक्रम समन्वयक द्वारा फेडरल राउण्ड का आयोजन किया गया। फेडरल राउण्ड में प्रथम, द्वितीय व तृतीय स्थान वाले इंजीनियरिंग स्टूडेंट्स को प्रमाण व सोलर टैकर सम्मानित किया गया। सीरिभ विक्ता व वैभव ने प्रथम स्थान हासिल किया।

The technical fest "Techatvij" held at Rajkiya Engineering College, Kannauj between 19 th -21 st April,2023 under the umbrella of IEEE Computer Society was a remarkable event that brought together students, faculty, and industry professionals to celebrate and showcase technological innovation, talent and creativity. The fest aimed to provide a platform for students to explore their technical skills, participate in various competitions, attend workshops, and interact with industry experts. The fest was organized by the team of coordinators consisting of

Deeksha Gupta, Harshit Srivastava, Divyansh Chaurasia among others. The event had a total of 17 exceptional events with over 300 astounding participants from various domains. The event witnessed enthusiastic involvement from both students and faculty members, making it a resounding success. The technical fest included a number of seminars and technical sessions led by academic members and business professionals. These courses addressed a wide range of subjects, such as data science, cybersecurity, and artificial intelligence. Participants got the chance to learn from seasoned experts who might enhance their technical skills with practical knowledge and insights.



## One Week Short Term Course on "Simulation and Analysis of Modern Power System."- IEEE REC Banda STB

Agenda: To make students aware about the basics of the Power System.

Description: Short term course on "Simulation and Analysis of modern Power System" was organized by Department of Electrical Engineering (NBA Accredited) & IEEE student Branch Rajkiya Engineering College Banda from 25th April 2023 to 29th April 2023.

Some of the topics learned in the session were:

"An Introduction to simulation techniques for power system studies and optimization" by our guest speaker Prof.R.K.Singh.  
"Introduction to Smart Grid "by our guest speaker Dr. Navneet Singh.

"Impact of Distributed Generations and Electric Vehicles in Distribution Network" by our guest speaker Dr. B Singh sir.

"Smart distribution Grid and their Application for Power Management" by our guest speaker Dr. S.P. Singh sir.

"Introduction to ANSYS Software" by our guest speaker Ajay Shekhar Reddy Sir. "Introduction to ETAP Software" by our guest speaker Mr. Nigam Prasad Das Sir.



## IEEE PES talk by Dr. Ankit Yadav at IIT Kanpur on "Insightful Information about Post-Doctoral Opportunities from Indian and Foreign perspective"



Dr. Ankit Yadav had been a Ph.D. Student of Electrical Engineering department IIT Kanpur. Currently, he is a Post-Doctoral Researcher at Iowa State University. A talk delivered by Dr. Ankit Yadav was held at the Indian Institute of Technology Kanpur (IIT Kanpur), organized by IEEE PES SBC IIT Kanpur on 14th April 2023. The main theme of the seminar was "Insightful Information about Post-Doctoral Opportunities from Indian and Foreign perspective."

Postdoctoral positions offer several advantages to individuals seeking to advance their research careers. Firstly, postdocs provide an opportunity for recent Ph.D. graduates to gain additional research experience and expand their expertise in a specific field. They allow individuals to work closely with established researchers, fostering mentorship and collaboration that can enhance their professional network. Postdocs also provide a platform for publishing research findings, presenting at conferences. From the audience's perspective, the talk was very interactive and students from EE department attended to enhance their perception of future research. It was an informative event, which inspired the listeners.



## IEEE PES Event - IEEE PES Day Celebration” at IIT Kanpur

“IEEE PES Day celebration” was held at the Indian Institute of Technology Kanpur (IIT Kanpur), organized by IEEE PES SBC IIT Kanpur on 25 th April 2023. Dr. Swathi Battula, esteemed faculty from Electrical Engineering Dept., IIT Kanpur, was the Chief Guest. All the students of the department attended the celebration to mark the success of the occasion. IEEE PES Day is an annual event organised by the Power and Energy Society (PES) of the Institute of Electrical and Electronics Engineers (IEEE). It serves as a global celebration of the achievements and contributions of professionals and researchers in the power and energy field. PES Day aims to promote awareness, education, and collaboration in the industry, as well as inspire the next generation of power and energy professionals. It provides a platform for knowledge sharing, highlighting emerging technologies, discussing industry challenges, and fostering connections among professionals, academics, and students. PES Day plays a vital role in advancing the power and energy sector by promoting innovation, sustainable practices, and the exchange of ideas across borders. The event was very interactive, and it was an open discussion for all.



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



Event Name - Implementing Computer Vision Using Python

Date / time - 13-04-2023

Speaker Name- Mr. Jitendra Kumar

Designation & Organization - Assistant Professor and mentor at Appwars Technologies

Event Name - Workshop on Research Paper Writing

Date / time -26-04-2023

Speaker Name- Prof. (Dr.) Bhuvan Unhelkar

Designation & Organization -University of South Florida  
Sarasota-Manatee  
University of Technology, Sydney

Event Name -DigitAll Marathon

Date / time - 05-05-2023

Speaker Name- IBM Trainers

Designation & Organization - DigiCrome

Event Name Seminar on “Cyber Security and IPV6” in collaboration with  
National Internet Exchange of India (NIXI)

Date / time - 03-06-2023

Speaker Name-Mr Abhijeet Singh

Designation & Organization - Cyber Security Enthusiast / Security  
Analyst / Security Researcher



## IEEE Robotics and Automation Chapter SRMCEM Lucknow Event ELECTROWIZARD COMPETITION - TINKERCAD

The ElectroWizard Tinkercad Competition was organized that challenged participants to showcase their creativity and technical skills in designing and prototyping electronic projects using the Tinkercad platform. Tinkercad is a popular web-based software that enables users to create and simulate 3D designs, including electronic circuits. The competition invited individuals or teams to design and prototype an innovative electronic project using Tinkercad. Participants had a choice of any electronic concept or application that interests them, such as home automation, robotics, IoT devices, wearable technology, renewable energy systems, or any other creative idea involving electronics.

It was a wonderful event all the participants has actively participated in the event



## IEEE SRMCEM Computer Society Event DEVCON FOR WEB -A FRONTEND WEBSITE COMPETITION

Department of Information Technology presents :

### DEVCON FOR WEB

A Frontend website competition

- Make a website in given theme.
- Cash Prize for winners.
- Certificate of participation.

Event date : 17th May, 2023

Event venue : Computer Lab , G Block

Event time : 10:30 A.M.

On May 17, 2023, an exciting Frontend Website Competition took place, where students were challenged to create websites based on a specific theme. This event was successfully organized by our team and support of our college, SRMCEM, which played a pivotal role in ensuring its success. The participants showcased their creative skills and dedication in designing captivating websites aligned with the given theme.

In recognition of the participants efforts, our college awarded cash prizes to the top three winners, acknowledging their outstanding performance. Additionally, all participants were presented with certificates to appreciate their active participation and encourage their further endeavors in the field of frontend website development.

The front-end development field is constantly evolving, with new frameworks, libraries, and tools being introduced regularly. Front-end developers stay updated with the latest trends and technologies, enabling them to leverage innovative solutions and create modern and engaging websites.

## 2-Days WordPress Workshop by IEEE SB Tula's Institute, Dehradun

Two days wordpress workshop organised by IEEE student branch and computer society on 28-29th April. It was coordinated by Sahil Gupta and Deepanshu Gahatori. We had total of 80 registrations out of which 72 appeared on the given dates.

We conducted the event in segments which is:

Day1

- 1:50 PM - 2:10 PM : Event Inauguration and Interaction
- 2:10 PM - 2:50 PM : Introduction to WordPress and how to use WordPress SandBox
- 2:50 PM - 3:40 PM : Wordpress Basics and Introduction to various tools
- 3:40 PM - 4:10 PM : Real world demos and business cases.
- 4:10 PM - 4:30 PM : Q/A Session and Brief about next day.

Day 2

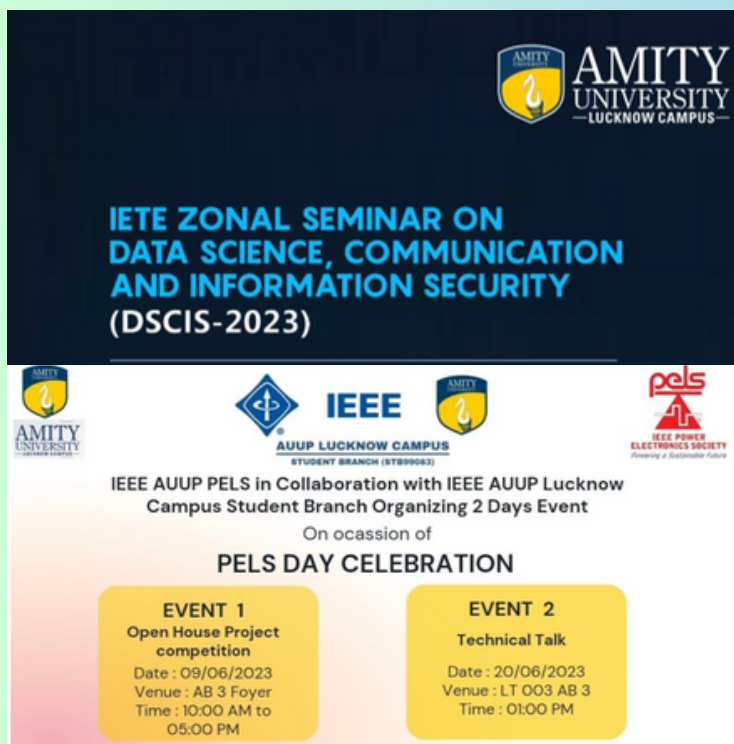
- 10:00 AM - 10:50 AM : Introduction to XAMPP server and how to install WordPress.
- 10:50 AM - 11:40 AM : Building a personal blogging site with WordPress.
- 11:40 - 12:10 : Minor Project and Mentoring Session
- 12:10 - 12:30 : Q/A, Suggestions & Feedback and Event Closing Ceremony

The event went smoothly and on-time. Feedbacks were great and people demanded one more extended session on a major project.



The poster for the WordPress Workshop features a blue and yellow color scheme. At the top, it displays logos for Tula's NAAC Grade A+, IEEE Tula's Institute Student Branch, and IEEE Computer Society. The main title "WORDPRESS WORKSHOP" is prominently displayed in large, bold, white letters. Below the title, a tagline reads "Want to make money by making beautiful websites without code? Join Us NOW!". The dates "28-29 APRIL" and time "2PM TO 4.30PM" are clearly marked. A QR code is provided for registration, with the text "SCAN TO JOIN" and "SCAN ME" above it. The coordinators' names, "DEEPANSHU GAHATORI, SAHIL GUPTA", are listed. A link "bit.ly/ieee-wp-learn" and a phone number "8882256339, 7070141664" are also included. A "REGISTER NOW" button is at the bottom right. The background of the poster shows a computer monitor displaying a website design.

## IEEE AMITY UNIVERSITY LUCKNOW(STB99083) EVENTS



The poster is divided into two main sections. The top section, with a dark blue background, announces the "IETE ZONAL SEMINAR ON DATA SCIENCE, COMMUNICATION AND INFORMATION SECURITY (DSCIS-2023)" with the Amity University Lucknow Campus logo. The bottom section, with a white background, promotes the "IEEE AUUP PELS in Collaboration with IEEE AUUP Lucknow Campus Student Branch Organizing 2 Days Event" on the occasion of "PELS DAY CELEBRATION". It lists two events: "EVENT 1 Open House Project competition" on 09/06/2023 and "EVENT 2 Technical Talk" on 20/06/2023, both at AB 3 Foyer. Logos for Amity University, IEEE, and IEEE Power Electronics Society (PELS) are displayed at the top of the bottom section.

Title of the Event – " IETE ZONAL SEMINAR ON DATA SCIENCE, COMMUNICATION AND INFORMATION SECURITY(DSCIS-2023)"

Date: 26th and 27th May 2023

Time: 10:00 A.M to 5:00 P.M

Keynote Speakers :

- 1.Prof. Y.N. Singh
- 2.Dr. Sudeep Tanwar
- 3.Dr. Neelam Shrivastava
- 4.Mr. Mohd. M. Zafar
- 5.Dr. Saurabh Dixit
- 6.Dr. Arun Kumar Singh
- 7.Dr. Minakshi Memoria
- 8.Dr. Shriram Vasudevan

Title of the Event – " IEEE AUUP PELS in collaboration with IEEE AUUP Lucknow Campus Student Branch Organizing 2 Days Event"

Day 1: Open House Project Competition

Date: 09th June 2023; Time: 10:00 A.M. to 05:00 P.M

Day2: Technical Talk

Date: 20th June 2023; Time: 01:00 P.M

Keynote Speakers :

Dr. Kamlesh Kumar Singh

Dr. O.P Singh



## **Inauguration and Orientation IEEE PELS CHAPTER HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR**

Date: 26th May, 2023

Time: 1:30 PM to 5:00 PM

Venue: EE-1 Lecture Hall, Electrical Engineering Department, HBTU

Mode: In-Person

On May 26, 2023, the IEEE Power Electronics Society Student Branch Chapter at HBTI Kanpur was officially inaugurated, coinciding with the orientation of new members of the IEEE Student Branch at Harcourt Butler Tech. Inst. (IEEE STB HBTI Kanpur). The event provided an introduction to the chapter's objectives, activities, and the vast opportunities it offers to its members. Dr. Sanjiv Kumar (Counsellor, IEEE STB HBTI Kanpur and Advisor, IEEE PELS SBC HBTI Kanpur) took the stage to inspire and guide the newcomers, emphasizing the chapter's commitment to fostering innovation and professional growth. It was also a platform for the newcomers to interact with existing members, fostering a sense of belonging and encouraging active participation.



## **PELS DAY CELEBRATION IEEE STB HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR**



Power Electronics Day Celebration

Date: 20th June, 2023

Time: 10:00 AM to 5:00 PM

Venue: EE-1 Lecture Hall, Electrical Engineering Department, HBTU

Mode: Hybrid

On June 20, 2023, the chapter celebrated Power Electronics Day, a flagship event that aimed to highlight the significance and potential of power electronics. This event witnessed tremendous participation, with 190 individuals registering and 112 attending in both online and offline modes.

To encourage active participation and test the knowledge acquired from the expert talks, a quiz on industrial applications of power electronics was organized. This interactive activity challenged participants' understanding of power electronics and rewarded their expertise.

Additionally, a poster-making competition on industrial applications of power electronics allowed participants to showcase their creativity and convey the significance of power electronics in industrial settings through visually appealing posters.

## PROJECT EXHIBITION & PELS DAY CELEBTATION AT IEEE BBDITM STB in Collaboration With IEEE BBDITM SBCs

On the occasion of PELS Day celebration project exhibition was organized in which students of different engineering branches of BBDITM took part and exhibited their engineering projects designed and developed by them. Also the celebration for PELS day was done which started with cake cutting and refreshments.

Our Director Sir Dr. S.S.Chauhan, delivered his message and encouraged all the students for their efforts. He also handled over the prizes and certificates for the best projects and wished all the students a bright and rewarding professional career as well as all success in life.

A project exhibition was organized for enhancing and encouraging students in technical skills and enhancing and promoting hands on practical skills to the students of different branches. Many projects has some new ideas regarding future development and betterment of society which would definitely be for the betterment of people.



## 3 DAYS WORKSHOP ON AI/ML BY IEEE BBDITM COMPUTER SOCIETY WITH GOOGLE DEVELOPERS GROUP BBDITM



IEEE BBDITM Computer society in collaboration with IEEE BBDITM STB & Google Developer Group BBDITM has Organized 3Day offline workshop at IEEE BBDITM seminar hall, in which there was the introductory session on AI/ML where speakers told the what is AI , benefits of Artificial Intelligence, real time projects on AI/ML , application used for AI/ML development then on second day of event there was a project implementation on real based project using python compiler for the development of Machine Learning projects . On 3rd Day of workshop at IEEE BBDITM seminar hall, in which there was the continuation project making session on Machine learning using Python language were the participants worked on real life projects and then work on another project and developed by there own under the guidance of GDSC AI/ML mentors Mr.Abdullah Nizami & his team-mate Mr. Anas Ansari a professional ML developers Working on the start-up projects. Then was a lunch by IEEE BBDITM for the participants management team and the mentors and award distribution to the participants on next day who did well in whole workshop , there was more than 200 participants who actively participated in the overall workshop



# IEEE PES INDIA CHAPTER LEADERS MEET GWALIOR 2023

## Training Agenda -

- Face to Face meeting with PES leaders
- Accesses to Keynote speaker sessions

**Date of Meet-** 21st-22nd April 2023

**Venue** - ABV-Indian Institute of Information Technology and Management, Gwalior.

## Distinguished Speakers-

- Jessica Bain , President IEEE PES 2023
- Ramakrishna.K , Regional Representative,R10
- Prof. S.N. Singh , IEEE R-10 (West) PES Chapters' Coordinator 2023

Managed by R10 PES Student Chapter Committee



**IEEE PES INDIA CHAPTER LEADERS MEET  
GWALIOR 2023**

Managed by R10 PES Student Chapter Committee

**DISTINGUISHED SPEAKERS**



**Jessica Bain**  
President IEEE PES 2023



**Ramakrishna.K**  
Regional Representative R10



**Prof. S.N. Singh**  
IEEE R-10 (West) PES Chapters' Coordinator 2023

**VENUE**  
ABV-Indian Institute of Information Technology and Management, Gwalior

**DATE**  
21st - 22nd April 2023

# CONFERENCES



## International Conference on Computer, Electronics & Electrical Engineering and Their Applications (IC2E3-2023)

Venue - NIT , Uttarakhand

Date - 8-9, June , 2023

The inaugural edition of the International Conference on Computer, Electronics and Electrical Engineering and Their Applications is IC2E3-2023. The aim of this forum is to connect the researchers, academicians, and industry experts worldwide to share their recent ideas and discuss the state of the art technologies and concepts related to computing, electrical, and electronics engineering. In this conference, numerous engineering-related tracks will be covered, along with discussions of real-world problems and solutions. It is planned to hold expert seminars to share knowledge and encourage idea exchange.

## International Conference on IoT, Communication and Automation Technology

"IEEE Uttar Pradesh Section International Conference on IoT, Communication & Automation Technology (ICICAT-2023)" is a top-level International Conference covering broad topics in the areas of Electrical Engineering, Computer Science & Engineering, Mechanical and Electronics & Communication Engineering will be organized this year by Buddha Institute of Technology (BIT), Gorakhpur (Uttar Pradesh), India.

Date - 23/24 , June, 2023

# Awards & Achievement



**IEEE BBDITM STUDENT  
BRANCH CHAIRPERSON  
MR. HITANSH DWIVEDI Has  
selected as  
Ambassador at IEEE Africa  
Students and Young  
Professionals Congress  
(ASYPC'23)**

**Ambassador  
from UP  
Section At  
IEEE WIE ILS  
2023 By IEEE  
MP SECTION**

A promotional poster for IEEE WIE ILS 2023. The top header features logos for IEEE Madhya Pradesh Section, IEEE WIE International Leadership Summit, IEEE Women in Engineering (WIE), IEEE-GNDEC, IEEE Computational Intelligence Society Bangalore Chapter, AESS, 50th Anniversary, NIOS, IEEE Humanitarian Technologies Board, Shambhavi Creations, and IIT Naya Raipur. The main text reads 'IEEE WIE ILS 2023 Raipur, Chhattisgarh' and 'MEET OUR AMBASSADOR' with five stars. A circular photo shows Hitansh Dwivedi sitting at a desk with a laptop. Below the photo, it says: 'Name: Hitansh Dwivedi', 'Section: IEEE UP SECTION', and 'Referral Code: HITANSH2023'. A 'Register Now' button with a megaphone icon and a QR code are at the bottom. The footer includes social media links for IEEE WIE MP Section, IEEE WIE ILS 2023 Raipur, and IEEE WIE MP Section, along with the website attend.ieee.org/wieils-raipur-2023/.



# COLLAGE OF EVENTS

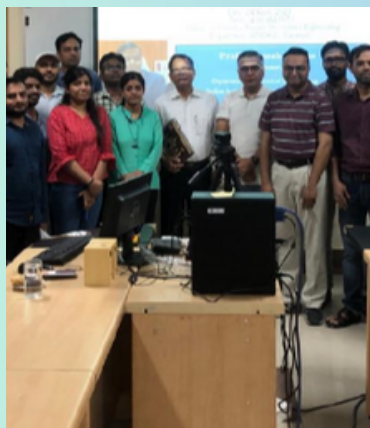


On the occasion of World Book Day  
IEEE STUDENT BRANCH MNNIT ALLAHABAD  
Presents Webinar on Topic  
**Students and Scientific Writing: Interactive talk**

**Guest Speaker:**  
DR. MARYAM SHOJAEI BAGHINI  
Professor, IIT Bombay

**Moderator:**  
DR. V. S. TRIPATHI  
Professor, MNNIT Allahabad

Scan To Join Google Meet:  
<https://meet.google.com/req-gjka-cnq>



IEEE AP-S, MTT-S, and AESS Student Branch  
IEEE Antennas and Propagation Society  
Student Branch IIT (BHU) Varanasi

**Substrate Integrated Image Line Based Circuit**

Venue: Comm. Department

IEEE AP-S, MTT-S, and AESS Student Branch  
IEEE Antennas and Propagation Society  
Student Branch IIT (BHU) Varanasi

**Recessed Ground Technology Wave Circuit**

**Dr. Ma**  
SMIEEE Micro Centre for A Indian Insti

IEEE Sensors Council UP Chapter  
On the occasion of 'World Telecommunication Day & Information Society Day' a webinar on  
**Low Sensor Technologies are shaping the future of Telecommunication Industry**

**Invited Speaker:**  
Dr. Anil Ray  
VP, Technical Operations, IEEE Sensors Council

**Convenor:**  
Prof. V. S. Tripathi  
Chair, UP Chapter IEEE Sensors Council

**Coordinators:**  
Rush K. Mishra, Aditya Pal, Tilakdhari Singh, Pooja Sharma

**MAY 17, 2023, 06:00 PM**



SHRI RAMSWAROOP MEMORIAL COLLEGE OF ENGINEERING AND MANAGEMENT

IEEE STUDENT BRANCH INVITES YOU FOR A SEMINAR ON  
**EMERGING TRENDS IN SPACE TECHNOLOGY**

**Speaker: Prof. N.K. Srivastava, IIS**  
(Senior Deputy Director General, Telecommunication Engineering Centre, Dept. of Telecommunication, New Delhi)

**Thursday, 2 March 2023**  
**10:30 AM TO 12 PM**  
**A Block, Seminar Hall**

**Coordinators:**  
Abhishek Shukla

IEEE  
**TECHATV**

COME AND UNLEASH YOUR TECHNICAL SKILLS

Jointly Organised By Technical Club and Rajkiya Engineering College  
Technically Co-Sponsored by: IEEE Committee

**19-21 April 2023**

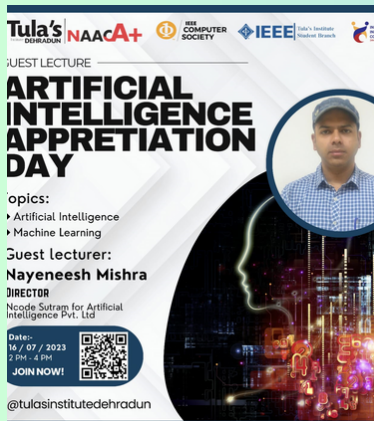


RAJKIYA INSTITUTE OF INFORMATION TECHNOLOGY ORGANISES SEMINAR ON  
**CYBER SECURITY AND IPV6**  
In collaboration with NATIONAL INSTITUTE OF EXCHANGE OF INDIA (NIXE)

**Mr. ABHISHEK RUNGTA**  
Cyber Security Researcher | Security Analyst | Security Trainer

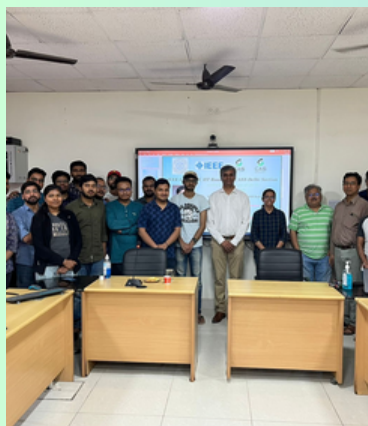


# COLLAGE OF EVENTS





# COLLAGE OF EVENTS



# STUDENT MESSAGES



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*



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*



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."*





# EDITOR'S

## Dr. Rajat Kumar Singh

Chair, Electronic

Communication Activities

Email: [rajatsingh@iiita.ac.in](mailto:rajatsingh@iiita.ac.in)

## Prof. Rafik Ahmad

Editor, (Electronic Communication & Information Management Activities)

Chapter Chair IEEE UP SECTION (R10)

Email: [rafik8329@gmail.com](mailto:rafik8329@gmail.com)

## Editorial Board



### Prof. S. N. Singh

(Past Chairperson, IEEE India Council )  
IIT Kanpur, Additional responsibilities as  
a DIRECTOR of IITM-Gwalior

### Dr. Satish K. Singh

(Section Chair)  
IIIT Allahabad

### Prof. Asheesh kumar Singh

(Immediate Past Section Chair)  
MNNIT Allahabad

### Prof. Mohammad Rihaan

(Vice-Chair)  
AMU, Aligarh

### Dr. Yogesh K. Chauhan

(Chair-Elect)  
IIT Kanpur

### Dr. Akhilesh Tiwari

(Secretary)  
IIIT, Allahabad

### Dr. Ankush Sharma

(Treasurer)  
EE Department, IIT Kanpur

### Mr. K. C. Mishra

(Joint Secretary)  
WIT, Dehradun



Click on icon to Visit  
our social media  
For any feedback  
Dr. Rajat Kumar Singh  
Chair, Electronic Communication Activities  
Email: [rajatsingh@iiita.ac.in](mailto:rajatsingh@iiita.ac.in)



<http://www.ieeeup.org/>

# STUDENT EDITORIAL BOARD



**HITANSH DWIVEDI**

**CHAIRPERSON**

**IEEE BBDITM STUDENT BRANCH, LUCKNOW**



**AYUSH KUMAR SINGH**

**WEB-MASTER**

**IEEE BBDITM STUDENT BRANCH, LUCKNOW**



**ANUNAY SRIVASTAVA**

**VICE-CHAIR**

**IEEE BBDITM SIGNAL PROCESSING SOCIETY  
LUCKNOW**



**RITIK SINGH**

**CHAIRPERSON**

**IEEE STUDENT BRANCH CHAIR AUUP LKO**



**URVASHI DWIVEDI**

**SECRETARY**

**IEEE STUDENT BRANCH CHAIR AUUP LKO**





# IEEE

*Advancing Technology  
for Humanity*

