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VOLUME 7 . ISSUE 1

IUSN

IEEE UTTAR PRADESH SECTION NEWSLETTER

2023



.....ABOUT IEEE?.....

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

IUSN 2023

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

Indian Institute of Information Technology
ALLAHABAD

I am glad to pen for the release of Vol.7 of IEEE UP Section Newsletter 2023. It gives me profound privilege and pleasure to know that the IEEE UP Section is putting consistent, insistent, and persistent efforts to serve the people at their best. The newsletter mirrors the different faces of development of the students and individuals in professional and technical fields thus it will be a rewarding experience for the readers. We are organizing several professional activities, technical conferences, award nominations, etc. directed toward fulfilling the IEEE goals and objectives. I would like to thank each and everyone as this would not have been possible without their support and cooperation. I am sure that with the cooperation of all and with the blessings of the Almighty, the IEEE UP Section will continue to grow in all aspects and will explore pinnacles. I also want to convey my best wishes to the whole editorial team for their valuable efforts in bringing out this newsletter.



Prof. S. N. Singh **Advisor**

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

I am glad to know that the IEEE UP Section is publishing Volume 7 of Newsletter 2023. I wish to congratulate each one of you on this happy occasion of completion. IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity "It fosters, develops, and advances global technology development". As the world's largest technical professional organization, IEEE offers a number of ways to get involved with technical and local communities. These communities are active participants in research and authorship, conferences, and important conversations about today's most relevant technical topics locally and globally. "I congratulate each and every member of the IEEE UP Section on their commendable achievements." This newsletter is the result of dedication and hard work put in by the editorial team and with the support of every member, the IEEE UP Section is touching the greater heights of glory.

MESSAGES



Dr. Rajat Kumar Singh
(Chair)

Electronic Communication
Activities

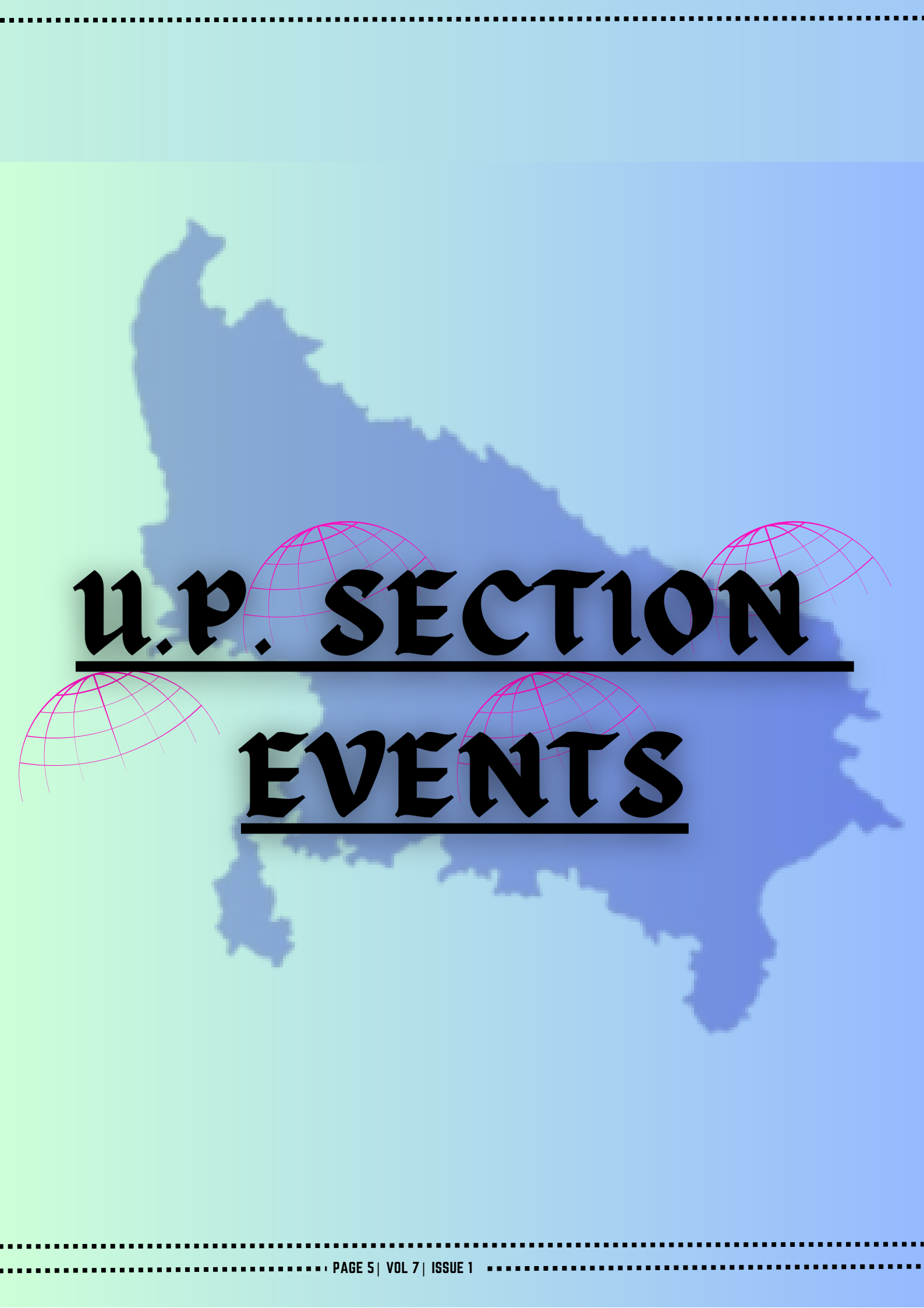
It's my pleasure to present to you the seventh volume of newsletter of the IEEE UP section. As the world's largest technical professional organization, IEEE offers a number of ways to get involved with technical and local communities, this newsletter being one of those ways, for which I would like to 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)

Welcome to the SEVENTH IEEE UP Sections Newsletter. I am blessed to present various achievements done by the IEEE UP Section in the first issue seventh vol. of 2023. It's been a great honor for me to be given the opportunity to serve as the Editor of this Newsletter. This Newsletter edition highlights the events, achievements, awards, etc. I am much thankful to Dr. Satish Kumar Singh (CHAIR), IEEE UP SECTION for giving me the opportunity to work for the IEEE UP Section. I thank all who took time from their busy schedules to volunteer and served humanity. On this occasion, I also would like to express my gratitude to several members of the editorial board, especially. A special thanks to my team of IEEE BBDITM & IEEE AUUP Lucknow. I look forward to continuing to work with my dedicated team of IEEE BBDITM & IEEE AUUP Lucknow. Wishing a great future.



U.P. SECTION

EVENTS

International Conferences on Microwave, Antenna and Communication (MAC2023) at MNNIT Allahabad, Prayagraj

The 1st edition of the International Conference on Microwave, Antenna and Communication (MAC2023), was jointly organized by Electronics and Communication Engineering Department, MNNIT Allahabad, India, Université de Sherbrooke, Canada and Benedict College, Columbia, USA, from 24th to 26 th March, 2023 at MNNIT Allahabad, India. In the conference there were four tracks covered the recent and emerging research topics in the field of Microwave, Antenna and Communication. Every track followed the paper presentations, best paper awards and key note lectures. In the event there were Panel Discussions, Industrial Workshop, focused track on Young Professionals, Women in Engineering (WIE) and SIGHT. The conference was technically sponsored by IEEE UP Section, Science and Engineering Research Board, DST, GOI, and CSIR. The industrial partners of the conference were NUMEREGION's TaraNG, JV Micronics, Saraca Solutions, Agmatel and Keysight. The opening of the first day begins with the great inauguration ceremony in the presence of the honorable chief guest Prof. S.N. Singh (Director, ABV-IIITM, Gwalior), Guest of honour Prof. Bharat Rawal (Benedict College, USA) and Dr. P.K. Rajput (Cadila Pharma LTD.), Prof. L.K. Mishra (Director-in-charge, MNNIT Allahabad), Prof. Rajeev Tripathi (Patron, MNNIT Allahabad), Prof. V.S. Tripathi (General Chair, MNNIT Allahabad), Prof. R.A. Mishra (Conference Chair and H.O.D, MNNIT Allahabad), Prof. R.K. Nagaria (Honorary Chair, MNNIT Allahabad). The event was graced by other honourable delegates, faculty members, industry personnel and students from the different IITs and NITs. The event proceeded with eight keynote talks, which were delivered by Mr. Mirza Mohammad Zaheer (Scientist SG, ISTRAC-ISRO), Mr. Tapan Mishra (Founding Director, SISIR Radar) and Dr. C.J. Reddy (Altair Engineering, USA), Prof. Sébastien Roy (University of Sherbrooke, Canada), Prof. M.J. Akhtar (IIT Kanpur), Dr. V.S. Gangwar (LRDE-DRDO, Bangalore) and Dr. R.K. Bhardwaj (DEAL-DRDO, Dehradun) and Dr. Debdeep Sarkar (IISc Bangalore). The panel discussion was done by Prof. Bharat Rawal, Dr. P.K. Rajput (Cadila Pharma LTaD.) and Dr. Hemant Kumar (NIT Trichy). One workshop session was also conducted under the guidance of Er. Swapnil Gaul, founder of NUMEREGION's TaraNG on the topic of "Learning and Teaching Basic Electromagnetics through Simulation using TaraNG". During three days, total 81 technical papers were presented in four sessions from authors among the 92 accepted papers. Ten poster papers were also presented on the second day of the conference by the authors. The three days International Conference ended with a valedictory speech. Speaking at the valedictory ceremony, Prof. Sudarshan Tiwari MNNITA encouraged the participant to continue their research energetically. He also said that the institute will continue to provide similar international platforms to the researchers of MNNIT Allahabad. Prof. Bharat Rawal and Dr. Debdeep Sarkar have shown satisfaction over the contribution and enthusiasm of the participants for the conference. Prof. R.A. Mishra and Prof. V. K. Nagaria have thanked all the participants and members of the organizing committee for the successful event.



IEEE- EDS WORKSHOP ON DEVICES AND CIRCUITS-2023

RADISSON HOTEL KHAJURAHO, MP

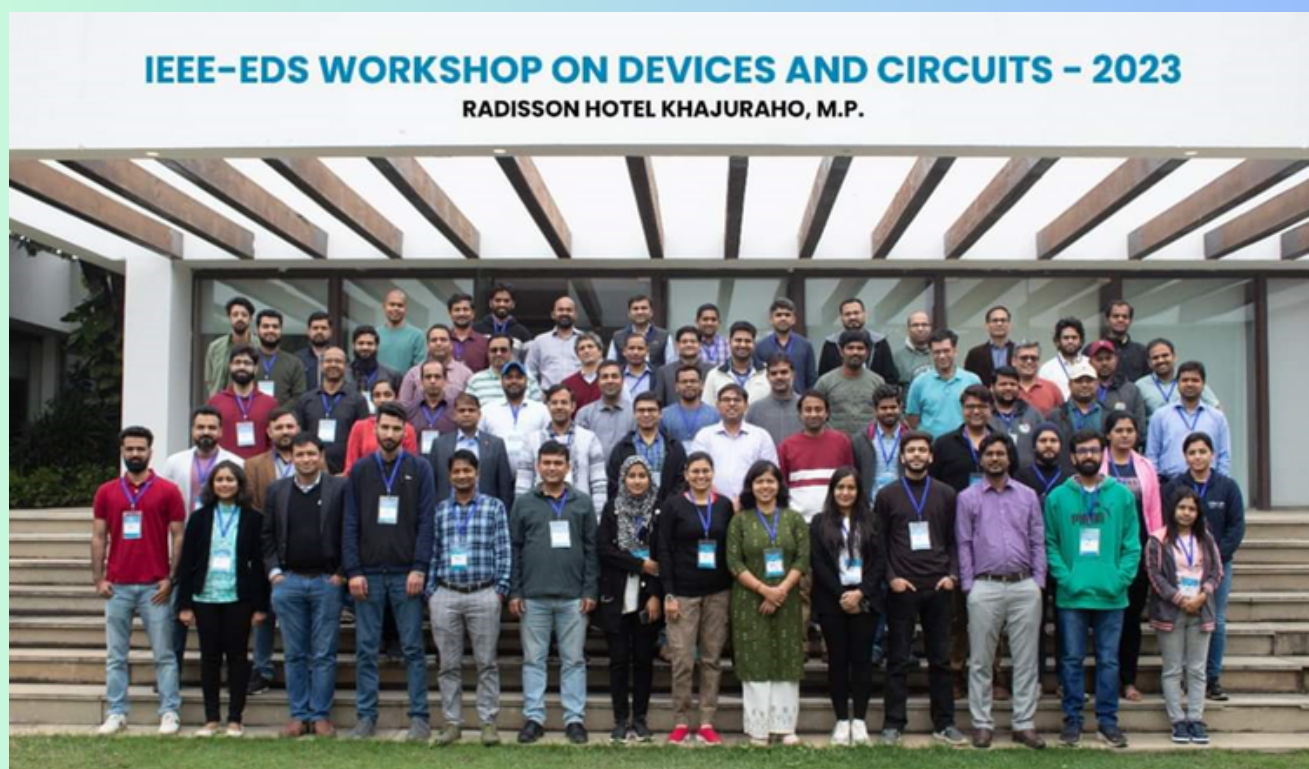
Professional activities of the IEEE EDS UP Chapter ED 15

The period from January to April 2023 was quite eventful for IEEE EDS UP section. IEEE EDS UP section was privileged to host two IEEE Distinguished lectures from:

1. Dr. Fernando Guarín (Distinguished Member of Technical Staff, GlobalFoundries, East Fishkill, New York) on "Leveraging semiconductor technology for the benefit of society"

2. Prof. Santosh K. Kurinec (Fellow IEEE, Electrical & Microelectronic Engineering, Rochester Institute of Technology, Rochester, New York) on "Emergence of Ferroelectric Memory: Prospects & Challenges"

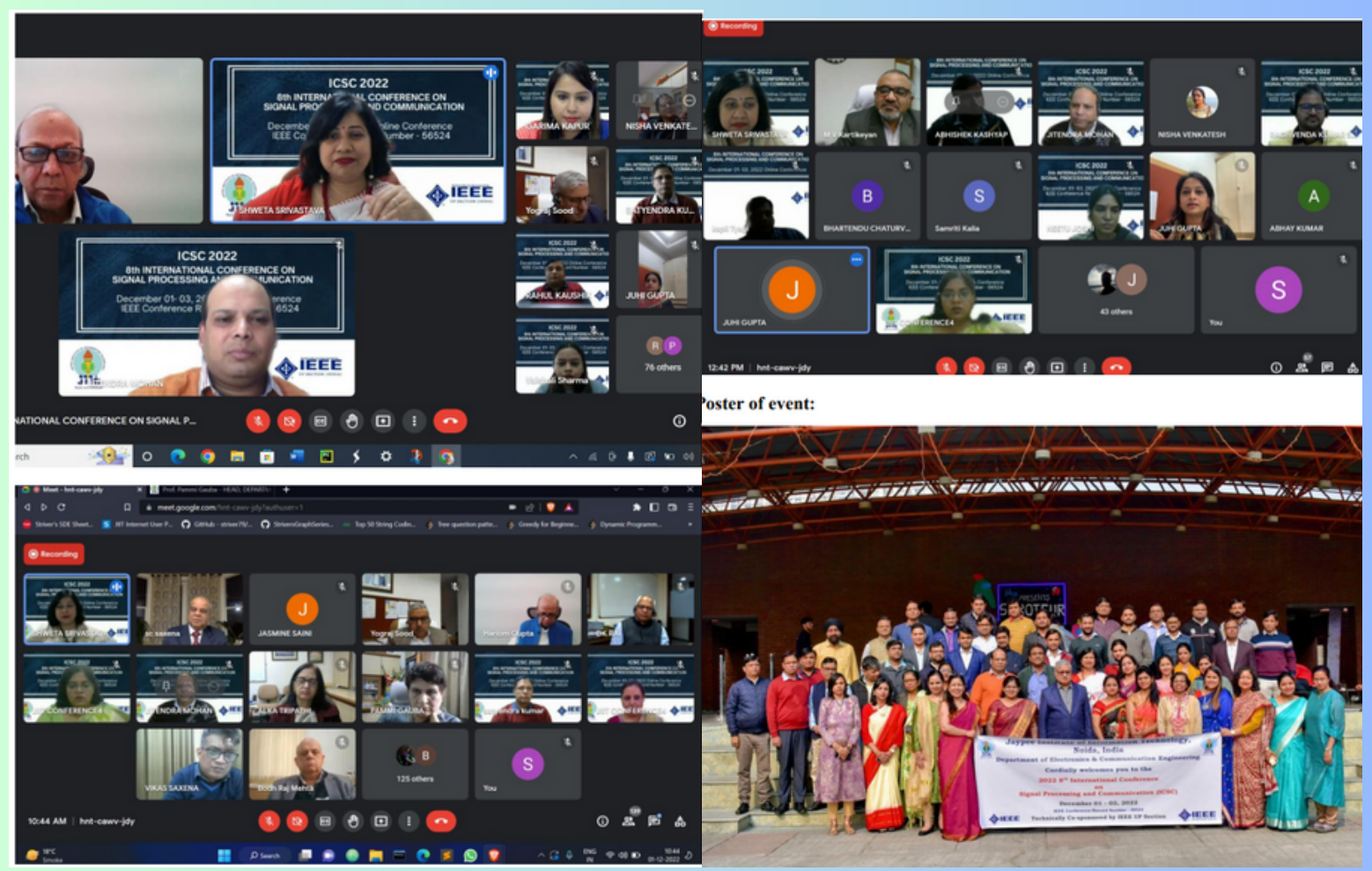
3. An IEEE-EDS Workshop on Devices and circuits (WDC 2023) was also organized by the chapter in association with IEEE EDS MP chapter which spanned over 4 days with > 50 eminent speakers and > 75 technical talks from both academia (Prof. Shanthi Pavan IIT Madras, Prof. Sourajeet Roy IIT Roorkee, Prof. Pramod Tiwari IIT Patna, Dr. Meena Mishra SSPL-DRDO, Delhi, Prof. Rekha Verma IIIT Allahabad, Prof. Udayan Ganguly IIT Bombay, Dr. Pragya Kushwaha SAC-ISRO, Prof. Mayank Srivastava IISc Bangalore, Prof. Jawar Singh IIT Patna, Prof. R. S. Ashwin IIT Kanpur, Prof. Amit K. Agarwal IIT Kanpur, Prof. Avirup Dasgupta IIT Roorkee, Prof. Swaroop Ganguly IIT Bombay, Prof. Sitangshu Bhattacharyya IIIT Allahabad, Prof. K. Prasannajit Pradhan IIITDM, Prof. S. Lodha IIT Bombay, Prof. Imon Mondal IIT Kanpur, Prof. Abhisek Dixit IIT Delhi, Prof. Krishna Balasubramanian IIT Delhi, Prof. Anand Bulusu IIT Roorkee, Prof. Souvik Mahapatra IIT Bombay, Prof. S. N. Singh ABV-IIITM Gwalior, Prof. Shree Prakash Tiwari IIT Jodhpur, Prof. Trupti Ranjan Lenka NIT Silchar, Prof. Shubham Sahay IIT Kanpur, Prof. Avinash Lahgere IIT Kanpur, Prof. Rik Dey IIT Kanpur, Prof. Nihar Mohapatra IIT Gandhinagar, Prof. Sheikh Aamir Ahsan NIT Srinagar, Prof. Yogesh S. Chauhan IIT Kanpur, Prof. Chithra IIT Kanpur, Prof. Ankesh Jain IIT Delhi, Prof. Chandan Yadav NIT Calicut, Prof. Swaroop Ganguly IIT Bombay, Prof. Mukesh Kumar IIT Indore, Prof. Abhishek Kumar IIT Hyderabad, Prof. Biplab Sarkar IIT Roorkee, Dr. Praveen Dwivedi IIT Kanpur, Prof. Harshit Agarwal IIT Jodhpur) and Industry (Dr. Pragya Kushwaha, SAC ISRO, etc. to name a few) with an aim to boost the knowledge, initiate collaboration and expose the members to diverse research areas including semiconductor material growth, device fabrication, digital, analog, and mixed-signal circuit design, RF circuit design, physics of semiconductors, compact modelling, SPICE and TCAD simulations, IC fabrication, atomistic simulations, RF and sub-THz measurements, optoelectronic and flexible electronics, non-invasive sensing techniques, MEMS and biosensors, neuromorphic computing and hardware security. The workshop was attended by more than 100 IEEE members and was perhaps the most successful in-person event hosted.



8th International Conference on Signal Processing and Communication (ICSC 2022) at Jaypee Institute of Information Technology, Noida

Name of Event: 8th International Conference on Signal Processing and Communication (ICSC 2022) **Agenda:** The 8th International Conference on Signal Processing and Communication (ICSC) was held at JIIT in Noida in 2022. The goal of the ICSC series conferences is to provide a healthy environment for researchers, academicians, industry practitioners, and government practitioners to discuss and showcase their recent contributions in the form of technical papers, expert talks, and presentations in the area of Electronics and Communication Engineering. ICSC 2022 dealt with research areas that broadly specify communication, signal processing, VLSI, and embedded systems. Tutorials and keynote sessions had been arranged to benefit the researchers work on recent challenges in emerging technical areas.

Description: The Eighth Edition of the International Conference on Signal Processing and Communication (ICSC-2022) was organized from December 01-03, 2022. In this conference, a total of 303 paper submissions were received from various countries such as Chile, Saudi Arabia, Canada, the UAE, and from eminent Indian institutions such as DTU, VIT, NIT's, BITS Ranchi, NIT's, NSUT, Andhra University, KIIT, Graphic Era, Symbiosis, and so on. With the support of around 115 TPC members, 122 papers had been accepted for presentation at ICSC 2022, and 121 papers were presented in different technical sessions through online mode. There were 22 technical sessions covering all possible aspects of Wireless Communication Systems, Signal Processing for System Analysis, VLSI Technology and Embedded Systems, Machine Learning in Signal Processing, Internet of Things in Communication, Machine Learning in Communication, Image Processing, etc. Apart from these technical sessions, 3 special sessions were conducted on Women in Engineering, Technology for Humanity, Young Professionals. Moreover, seven keynote speakers delivered their talks on the relevant topics to meet the objective of the conference. These keynote speakers were eminent professors in different reputed universities in the USA, Switzerland, Italy, IIT's, IIIT's, and NIT's, including scientists from the Centre of Electromagnetics (R & D Lab). **Duration of Conference:** 01st -3 rd December 2022 **Venue:** Jaypee Institute of Information Technology, Noida



IEEE UP SECTION ANNUAL BODY GENERAL MEETING (AGM 2023)

MEETING AGENDA

Meeting Detail: 2022, Annual General Body Meeting

Date: 20 January, 2023 (Friday)

Time: 12:00 PM

Venue: IIT BHU

Chairperson: Dr. S.K. Singh, IIIT Allahabad

Secretary: Dr. Akhilesh Tiwari, IIIT Allahabad

Agenda for the Meeting

A/I-1. Approval of Annual Section Activity Report [Secretary]

A/I-2. Approval of Annual Financial Report [Treasurer]

A/I-3. Reporting by Subsection Chair [Roorkee Subsection Chair].

A/I-4. Reporting by Section Chapter's [Chapter Chair's]

A/I-5. Announcement of Section Awards and Distribution by the Chairman Awards Committee [Prof. Kumar Vaibhav Srivastava, IIT Kanpur]

A/I-6. Any Other Agenda Item(s) - with the permission of the Chair.

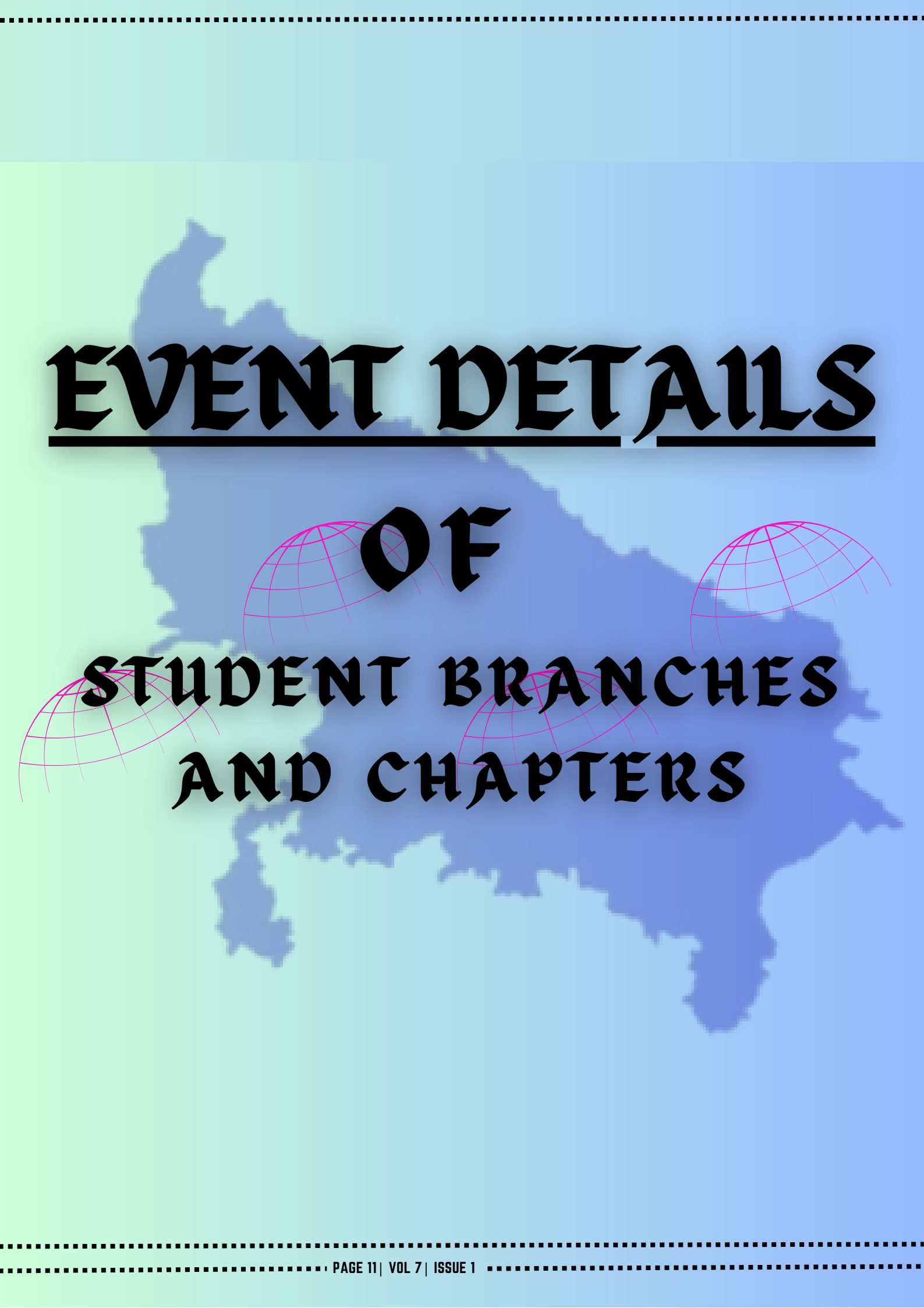
A/I-7. Announcement and facilitation of office bearers by the Chairman nomination committee [Prof. Asheesh Kumar]



2023 6th (ISCON2023) Organized by GLA University Mathura-281406(UP), INDIA

(ISCON) is the 12th conference in sequence on Information Systems & Computer Networks (ISCON - 2023) is a forum in which deliberations were on various topics pertaining to Information Systems and Computer Networks. Information Systems address the challenges for the gathering, processing, storing, distributing, and use of information, and its associated technologies, for society and organizations. ISCON2023 is Technically Sponsored by IEEE Uttar Pradesh Section and financially supported by The conference was inaugurated on March 3, 2023, The conference was inaugurated with auspicious Vandana, lamp lighting, and garlanding ceremony of Maa Saraswati and dada ji. The Chief Guest of the inaugural function was attended by Shri I.P.S. Sethi ji, Deputy Director General, National Informatics Centre, Ministry of electronics and information technology, Govt of India, New Delhi. The guest of honor of Inaugural functions were Dr. N. Ranjana, Director, Directorate of Systems and Technology Analysis at DRDO, Mr. Kadamb Goswami, Principal Product Manager, Amazon, Washington, United States of America, Prof. Dr. David Asirvatham, the Executive Dean for the Faculty of Build Environment, Engineering, Technology and Design, Taylor's University, Malaysia and Shri Radhey Lal ji, Joint Director CST, Lucknow to the desk. The Hon'ble Chief Guest Shri I P S Sethi, considered as notable in the field of Computer Science, very nicely explained the various application developed by NI. He emphasized the fact that how NIC is serving to Indian in various service sectors. Other guests of honor have also explain in the respective areas like Dr. N. Ranjana, Director, Directorate of Systems and Technology Analysis at DRDO shared the valuable contribution of DRDO to the Indian government. Mr. Kadamb Goswami, Principal Product Manager, Amazon, Washington, United States of America explains various aspects of IT Industry, Prof. Dr. David Asirvatham, the Executive Dean for the Faculty of Build Environment, Engineering, Technology and Design, Taylor's University, Malaysia explain about the Machine Learning and Artificial Intelligence based approach is leading to the globe in a new direction and finally Shri Radhey Lal ji, Joint Director CST, Lucknow shared various schemes of UPCST which are supporting to young minds for the developing the projects for the betterment of the society. The day took off with a scintillating message in the form of the theme introduction of the conference by the General Chair of the Conference Prof. Dilip Kumar Sharma., The Vice-Chancellor, Prof. Phalguni Gupta, welcomed the gathering and addressed them with motivational words that such types of International Conferences would benefit not only the members present here, but the Industry, academics, and researchers as a whole. Convener Dr. Ashish Sharma gave the vote of Thanks at the end of the conference. More than 798 papers were received, registered: 248, Accepted: 308, total Presented: 246 Countries: India, China, Indonesia, Malaysia, Namibia, South Korea, Bangladesh, Nepal, Saudi Arabia, South Africa Oman, UAE, and USA. The papers presented address various types of research with the theme of the conference i.e. Information systems and Computer Networks. All papers will be published in Scopus Index IEEE Conference Proceedings i.e. IEEE Xplore. The conference valedictory session was organized on March 4, 2023. The chief guest for this session Mrs. Sudatta Kar, VP HR Capegemini Solutions, Gurugram, Guest of Honor. Dr. Purusottam Meena from Dr. Purusottam Meena from College of Charleston, South Carolina, United States of America,, Dr. Varun Kumar Kakkar, BT Kumun Institute of Technology Dwarahat, Mr. Himanshu Gupta, Senior Research Scientist IBM Research. The General chair of the Conference Prof. Dilip Sharma introduced the guest of the closing ceremony, Convener Dr. Ashish Sharma gave a crisp summary of the conference followed by the Vote of Thanks by Dr. Mayank Srivastava. The delegates have taken significant inputs out of this conference. With efforts from GLA University Management, faculty members, and delegates, the conference was a great success in meeting its objectives.





EVENT DETAILS

OF

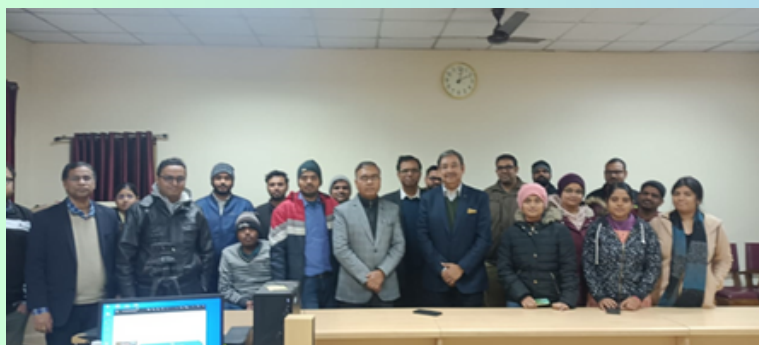
STUDENT BRANCHES

AND CHAPTERS

IEEE STUDENT BRANCH CHAPTER IIT BHU, VARANSI, (STB221005)

About the Event

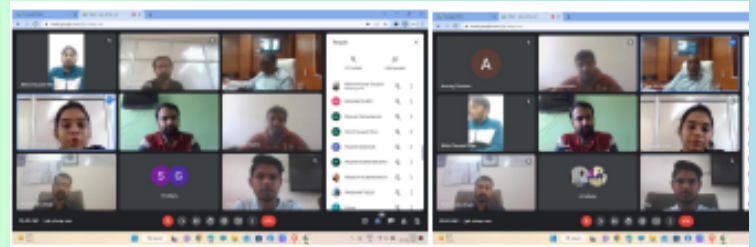
A technical talk on “Power of Simulation Tools” was organized by Electronics Department at the Committee Room on Wednesday, 06.01.2023 during 12 noon to 13:30 hours IST at Indian Institute of Technology (BHU), Varanasi in association with student branch chapters (SBCs) of IEEE AP-S, IEEE MTT-S and IEEE AESS. The talk was attended by 25 persons including students and the faculty members of the department. Ms. Pratibha Verma, the chapter chair of IEEE MTT-S SBC IITBHU Varanasi welcomed all the audience after which Dr. Somak Bhattacharyya, Faculty Advisor of IEEE MTT-S SBC IITBHU Varanasi had formally introduced the Keynote Speaker Dr. Debatosh Guha from University of Calcutta, Kolkata. On account of the technical talk on “Power of Simulation Tools”, Prof. Guha spoke briefly on the analysis of antennas without any simulation tools followed by use of the simulation tools to analyse the concepts hidden behind antenna design. Then he spoke about various kinds of structures and made the audience know that there is no use of just implementing the complex structures with antenna without the proper analysis with simple structures. For example, in one of his antenna structure just a simple plate above the antenna enhanced the radiation pattern of it without implementing arrays of complex structures such as split ring resonators or any FSS. He gave a direction to the students to understand the concepts running behind the simulation tools. The technical talk was very interesting one and gave the opportunity to discuss about the recent technologies on antennas among the students. The program was successfully concluded by presenting memento as token of gratitude by the senior professor Dr. Satyabrata Jit to the resource person. With a formal vote of thanks by Mr. Praveen Singh Rathore, the chair of the APS SBC IITBHU, the event has been concluded.



RAJKIYA ENGINEERING COLLEGE BANDA IEEE STUDENT BRANCH (STB11533)

Name of Event : One day webinar on "Career Counseling
Agenda : To make students aware of their Career.
Description: An expert talk on "Career Choices: Need for career Advisor", was organized by IEEE Student Branch, Rajkiya Engineering College Banda on 23rd February 2023. Dr. Pushpendra Singh welcomed the guest and put a brief outlook of the purpose of the webinar. Following him, Hon'ble director of the institute, Prof. She Prasad Shukla also welcomed the guest speaker. The purpose of the webinar was to make the students aware about various career related opportunities. This session also helped the students, to get a clear insight into various career related opportunities and the roadmaps to achieve the same. "Guidance becomes more impactful, when it is imparted from someone whom we can relate to." with this mindset the session was made to be delivered by an alumni of the institute, Mr. Deepak Mishra. Expert on the topic Mr. Deepak Mishra, also explained, how a student can figure out, and what career path is to be opted in future. In the end, Dr. Anurag Chauhan sir gave away the vote of thanks. Around 90+ students and faculties were present during the discussion that took place through Google Meet.

Time : 10:30 AM to 11:30 AM
Venue : Google Meet






75th Azadi Ka Amrit Mahotsav
IEEE STUDENT BRANCH
 &
 Department of Electrical Engineering
RAJKIYA ENGINEERING COLLEGE BANDA
Organises
 Career Choices : Need for career advisor
 By

Mr. Deepak Mishra
 Senior Business Development Associate & Edu Counsellor
 Testbook Edu Solutions Pvt. Ltd.
 Ex-Byjus , B.Tech Mech. Engg. , REC Banda '21

 10:30 am onwards
  23/02/2023

Name of Event : A Seminar on "Ayurveda: Path to Balance in Lifestyle
Agenda : To make students aware about their Health.. .
Description: A seminar on "Ayurveda: Path to Balance in Lifestyle", was organized by IEEE Student Branch, Rajkiya Engineering College Banda on 25th February 2023. Dr. Pushpendra Singh welcomed the guest and put a brief outlook of the purpose of the webinar. Following him, Hon'ble director of the institute, Prof. Sheo Prasad Shukla also welcomed the guest speaker. Purpose of the event was to, educate the students on various health benefits of Ayurveda. The session also put forward, how the growing modernization is impacting everyone's health in various harmful ways. How can one curb those harmful side effects of increasing modernization, with the help of Ayurveda and it's practices, was very well demonstrated by the expert, Dr. Mahendra Singh. In the end, Dr. Ashutosh Tiwari gave away the vote of thanks. Around 90+ students and faculties were present during the discussion that took place in the seminar hall.

Time : 11:00 AM to 12:30 PM
Venue : Seminar Hall, REC Banda






75th Azadi Ka Amrit Mahotsav
IEEE STUDENT BRANCH
 &
 Department of Electrical Engineering
RAJKIYA ENGINEERING COLLEGE BANDA
Organises
 A Seminar on
 Ayurveda : Path to Balance in Lifestyle
 By

Dr. Mahendra Singh
 Assistant Professor, Government Ayurvedic College, Azamgarh, Banda

 11:00am onwards
  Seminar Hall
  25/02/2023




75th Azadi Ka Amrit Mahotsav
IEEE STUDENT BRANCH
 &
 Department of Electrical Engineering
RAJKIYA ENGINEERING COLLEGE BANDA
Organises
 A Seminar on
 Ayurveda : Path to Balance in Lifestyle
 By

Dr. Mahendra Singh
 Assistant Professor, Government Ayurvedic College, Azamgarh, Banda

 11:00am onwards
  Seminar Hall
  25/02/2023

RAJKIYA ENGINEERING COLLEGE BANDA IEEE STUDENT BRANCH (STB11533)

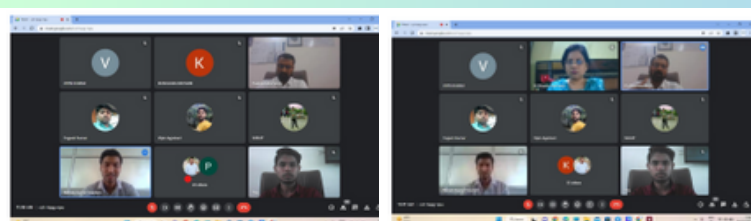
Name of Event : One day webinar on "Clean Energy Now: A Step Towards Sustainable Development".

Agenda : To spread awareness about Sustainable Development .

Description: A seminar on "Clean energy now! A step towards sustainable development", was organized by IEEE Student Branch, Rajkiya Engineering College Banda on 01 st March 2023. Dr. Pushpendra Singh welcomed the guest and put a brief outlook of the purpose of the webinar. Following him, Hon'ble director of the institute, Prof. Sheo Prasad Shukla also welcomed the guest speaker. The purpose of the webinar was to create awareness about nature, environment and to work towards a sustainable future. Head of Department of Electrical Engineering Dr. Pushpendra Singh welcomed the guest and gave a brief outlook of the purpose of the webinar. Expert on the topic Dr. Shweta Tamrakar, put an impression on various aspects, through which we can bring big changes through small steps. IEEE Student Branch counselor Dr. Mohd. Tauseef Khan spoke about emerging technologies and research approaches through which the goal of sustainable development can be achieved & gave away vote of thanks. Around 20+students and faculties were present during the discussion that took place through Google meet.

Time : 10:30 AM to 12:00 PM

Venue : Hybrid Mode



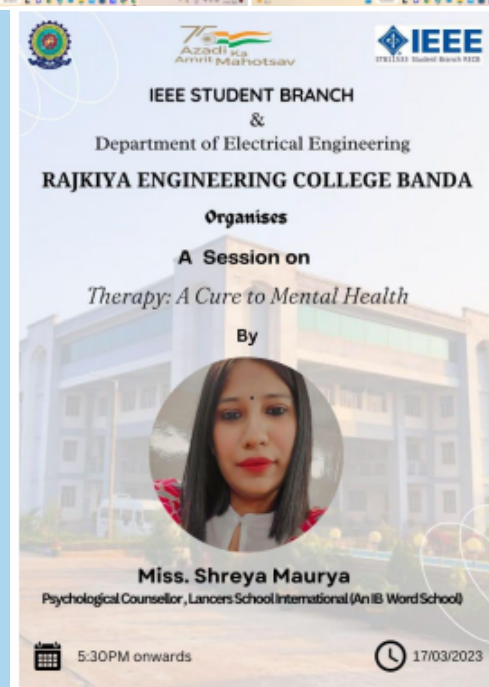
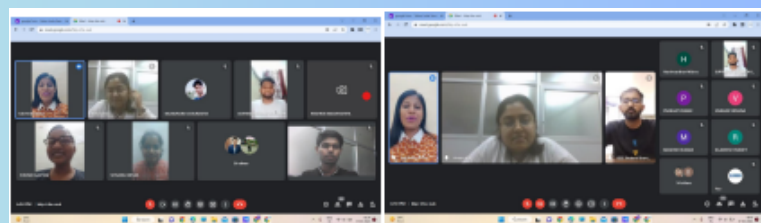
Name of Event : One day webinar on "Therapy: A Cure to Mental Health"

Agenda : To make students aware about their Mental Health..

Description: An expert talk on "Therapy: A Cure to Mental Health" was organized by IEEE Student Branch and Department of Electrical Engineering Rajkiya Engineering College Banda on 17th Mar 2023. Dr. Pushpendra Singh welcomed the guest and put a brief outlook of the purpose of the webinar. Antara Kar introduced the guest speaker Ms. Shreya Maurya. Ms. Shreya Maurya was the expert for session. She is Psychological Counsellor at Lancers School International, An IB Word School. The session was mainly focused on, giving the natural solution for a healthy lifestyle. She interacted with students in lively manner, discussed the mental health issues, and gave away solutions as well. She also presented the case studies and told stories of her clients so that students can get idea to deal with hard situations. Dr. Anurag Chauhan gave away vote of thanks. Around 40+ students and faculties were present during the discussion that took place through Google Meet.

Time : 5:30 PM to 7:00 PM

Venue : Hybrid Mode



AMITY UNIVERSITY, NOIDA IEEE STUDENT BRANCH (STB07271)

Topic :Alumni forum for Internship and Placement Guidance

Date / time: 13th January 2023 / 2.30 PM

Speaker Name: Mr Abhishek Kumar Verma

Designation & Organization: Manager – Technology Consulting Ernst & Young Belgium



Topic :Lohri Celebration

Date / time: 13th January 2023 / 3:00 PM

Speaker Name: Arushi Kaul / Akshat Srivastava Krishnasheesh / Siya Singh

Designation & Organization: Cultural Club – President / Cultural Club – Vice President / Datta HVCO Club-President / HVCO Club-Vice President



Topic: Republic Day Celebration and Makar Sankranti

Date / time: 19th January 2023 / 3:00 PM

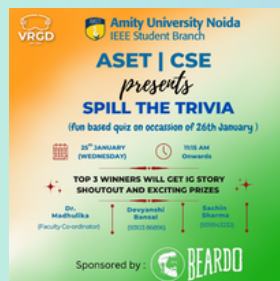
Speaker Name: Arushi Kaul / Akshat Srivastava Krishnasheesh / Siya Singh

Designation & Organization: Cultural Club – President / Cultural Club – Vice President / Datta HVCO Club-President / HVCO Club-Vice President



Topic: Spill the Trivia-Quiz

Date / time: 25.01.2023 from 11:15 AM onwards



Topic: Team Interaction

Date / time: 27.01.2023



Topic :Bridging the gap between Humans and Tech-Hands on workshop on AI/ML

Date / time: 02.02.2023

Speaker Name: Sahil Rahman

Designation & Organization: Software Engineer



Topic :Speakophile-An assorted TEE Talk

Date / time : 09.02.2023

Speaker Name : 1)Priyanka Behl 2)Ekansh Taneja 3)Gaurav Chaudhary

Designation & Organization : Priyanka Behl- tedxcoach Ekansh Taneja-fitness coach and youtuber Gaurav Chaudhary-Entrepreneur and youtuber



Topic :Black Day For India – Pulwama Attack, Tribute to Martyrs of the Pulwama Attack

Date / time : 9th February / 2 PM

Speaker Name : Arushi Kaul / Krishnasheesh Datta

Designation & Organization :Arushi Kaul / Krishnasheesh Datta



Topic :Workshop on “Emerging IT Technologies and Innovation”

Date / time : 13-17 February 2023

Speaker Name : 1) Mr Abhay Kumar Director of Engineering Sunrise Financials 2) Mr Abhay Kumar Director of Engineering Sunrise Financials 3) Dr. Sofia K. Pillai NIET Alexa Skilling AWS 4) Dr Nitin Pandey CISCO Certification 5) Dr Shweta Sharma, ICAI business school Blockchain Technology 6) Dr. Arun Sharma, Professor, IGDUTW Industry 4.0 7) Dr Mugdha Sharma, BPIT Recommender System 8) Dr Akansha Sharma , RDIAS Statistics for data Science 9) Dr Vandana Sharma Google Analytics 10) Dr Alka Choudhary Big Data And Data Engineering 11) Dr Sarvesh Tanwar Designing a Minimal Blockchain



AMITY UNIVERSITY, NOIDA IEEE STUDENT BRANCH (STB07271)

Topic :Team Interaction
Date / time : 16.02.2023



Topic :Workshop on “Building with Raspberry Pi”
Date / time : 16.2.2023 Time: 2:30 – 5:30pm
Speaker Name: Dr. Debjani Ghosh
Designation & Organization : Associate Professor, Bennett University



Topic :Workshop on “Innovation in Personal Financial Management”
Date / time : 17th February 2023
Speaker Name : Dr Sharan Kumar Shetty
Designation & Organization : Associate Professor, Head International Relations & Member of Governing Body Member MSN Institute of Management-Mangalore



Topic :The Tech Exchange
Date / time : 20th February 2023
Speaker Name : Mr Keshri Kumar Asthana
Designation & Organization : Principal Program Manager, Microsoft



Topic :Workshop on “Exploration of Intel One API”
Date / time : 21st February 2023
Speaker Name : Dr Shriram Kris Vasudevan
Designation & Organization : Lead-Technical Evangelist, APJ, SP&E-Developer Platform and Evangelism, Software and Advanced Technology Group, Intel India



Topic :Workshop on “Deconstructing Big Data & Analytics with use Cases”
Date / time : 23rd February 2023
Speaker Name : Ms Sowmya Moni
Designation & Organization : Vice President, Marketing & Alliances, Incture, Co-Director & Member of Global Executive Committee, Women in Big Data, India & Global, Official Member Forbes Communications Council



Topic :Resume Writing
Date / time : 02.03.2023
Speaker Name : Ms. Gehna Batra
Designation & Organization : Professional Resume Writer



Topic :Cultural and HVCO Club Celebrate Festivals of Colors “HOLI”
Date / time : 07.03.2023
Speaker Name : Arushi Kaul/ Krishnasheesh Datta
Designation & Organization : Cultural Club – President / HVCO Club-President



Topic :Talk on @Entrepreneurship and Startups@
Date / time : 13.03.2023
Speaker Name : Mr Sunil Kumar Sharma
Designation & Organization : Founder CEO, Sustaineco



Topic :Talk on Entrepreneurship
Date / time : 16.03.2023
Speaker Name : Mr Ankit Gupta Mr Ashish Rai
Designation & Organization : Founder & CEO – Roop Petrochemical Manager – Experience Cloud / Analytics / Digital Marketing at KPMG



Topic :College Experience and Competitive Programming
Date / time : 20.03.2023
Speaker Name : Mr. Agnibha Chakraborty
Designation & Organization : Mr. Agnibha Chakraborty



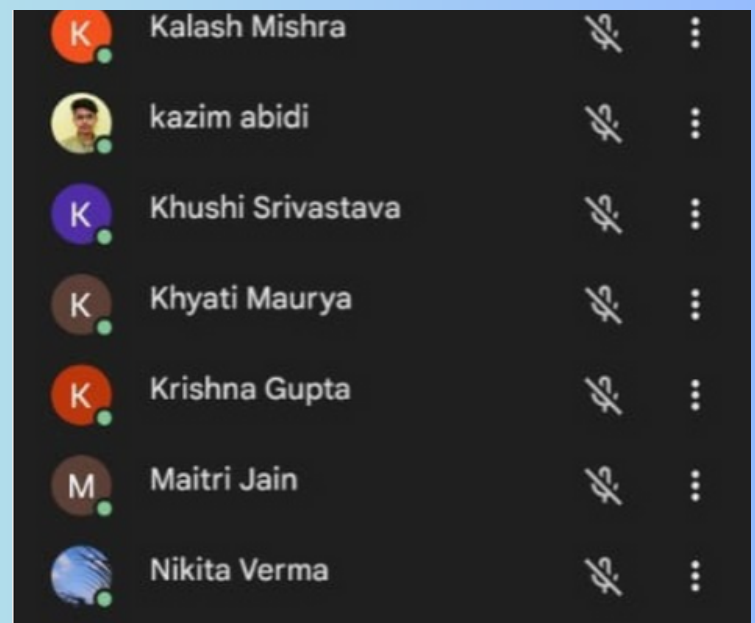
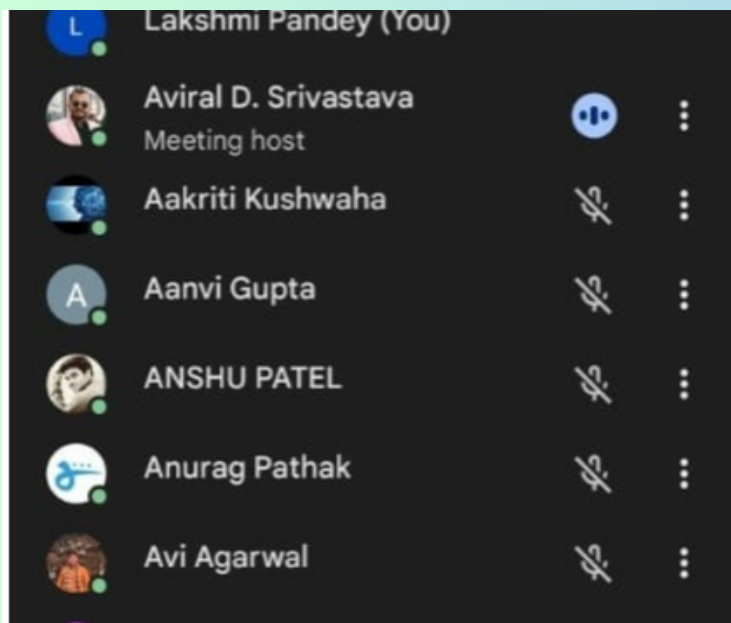
IEEE BBDITM SIGNAL PROCESSING SOCIETY, LUCKNOW (STB10214)

Event: ORIENTATION SESSION OF NEW MEMBERS AND VIDEO LECTURE ON SIGNAL PROCESSING

- **Date:** 17 Jan 2023
- **Time:** 11:00 AM to 01:10 PM
- **Venue:** The Session was conducted via the Google Meet Platform.

Event Details

An Orientation Session was organised by IEEE-BBDITM SPS Society for the newly selected members of the IEEE-BBDITM SPS society and the field of Signal Processing. The video lecture provided a brief overview of the basic concepts, techniques, and applications of Signal Processing. It also highlighted some of the recent advances in the field and the future research directions.



IEEE BBDITM STUDENT BRANCH, LUCKNOW (STB10214)

EXPERT TALK ON (E-MOBILITY ECO SYSTEM: A COMPREHENSIVE ANALYSIS IN INDIAN PERSPECTIVE)

- Date: 06 Feb 2023
- Time: 02:00 PM to 03:30 PM
- Venue: Babu Banarasi Das Institute of Technology and Management, Lucknow, Uttar Pradesh, India 226028, Building: E-block, Room Number: 507

Event Speaker - Dr. R.K. Singh, Associate Dean (Academic Affairs)-UG & IEEE Senior Member, Department of Electrical Engineeringn Indian Institute of Technology BHU, Varanasi

Event Details - It was a honor moment for IEEE BBDITM to have a great speaker with us who has given a Expert Talk on "E-mobility Eco System: A Comprehensive Analysis in Indian Perspective" in which sir has provided the details on EV system , how it's beneficial, what are the problem facing due to battery and how to overcome from that, he also shared the planning and also the new opportunities to volunteer and work in his team on various new projects for the benefit of the society. It was a great event and also the audience was very active and interactive. at last there was a lunch for the team.

INAUGURATION CEREMONY OF IEEE BBDITM OFFICE

- Date: 06 Feb 2023
- Time: 04:00 PM to 04:30 PM
- Venue: Babu Banarasi Das Institute of Technology and Management, Lucknow, Uttar Pradesh, India 226028, Building: E-block, Room Number: 508

Event Details:

Chief Guest for Inauguration - Dr. R.K. Singh, Associate Dean (Academic Affairs)-UG & IEEE Senior Member, Department of Electrical Engineeringn Indian Institute of Technology BHU, Varanasi

Event Details - Inauguration ceremony of IEEE BBDITM OFFICE has a great evening on which the chief guest has cutted the ribbon and then there was a small dinner and party for all the office bearers, members and the guests present there.



BABU BANARASI DAS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

IEEE BBDITM
Student Branch

IEEE SIGHT
Special Interest Group in Technology and Innovation

SOCIETIES AND AFFINITY GROUPS

Expert Talk on :-
"E-mobility Eco System: A Comprehensive Analysis in Indian Perspective"

Dr. R.K. Singh
Associate Dean (Academic Affairs)-UG &
IEEE Senior Member, Department of Electrical Engineering
Indian Institute of Technology BHU, Varanasi

06/02/2023
2:00pm to 3:30pm
Stepper Hall E-block, BBDITM, Lucknow

in f i IEEEBBDITM



IEEE BBDITM STUDENT BRANCH OFFICE

Inaugural Ceremony
06/Feb/2023

Inaugurated By our Chief Guest
Dr. R.K Singh
Associate Dean (Academic Affairs)-UG,
Chair, Industry Applications Society IEEE UP SECTION (RIO) India
Department of Electrical Engineering,
Indian Institute of Technology BHU, Varanasi

IEEE BBDITM WOMEN IN ENGINEERING, LUCKNOW (STB10214)

EVENT NAME - POSTER MAKING COMPETITION FOR INTERNATIONAL DAY OF WOMENS AND GIRLS IN SCIENCE

VENUE -Room no -507 , BBDITM college , Lucknow - 220068

Date - 11th feb,2023

Day - Saturday

Event Description:- On the occasion of International Day of womens and girls in science our WIE, BBDITM Affinity group has organized the poster making competition in collabration with IEEE BBDITM STUDENT BRANCH, in which there was a competition in online and offline both modes,and there was various participants who participated in this event, the whole event was conducted very well , the participants are also very active and designed a very well poster and then they go for the lunch, there was approx more than 25 active participants in the event and results to be announced afterward and then all for the celebration



IEEE BBDITM STUDENT, LUCKNOW (STB10214)

EVENT NAME - VOLUNTEERING IN UTKARSH FEST 2023

- **DATE:** 02 MAR 2023
- **TIME:** 10:00 AM TO 03:00 PM
- **VENUE:** BABU BANARASI DAS GROUP OF EDUCATIONAL INSTITUTES, LUCKNOW, UTTAR PRADESH, INDIA 226028, **BUILDING:** DR. AKHILESH DAS GUPTA AUDITORIUM

EVENT DETAILS:

THE FEST UTKARSH-2023 HAS CELEBRATED IN BBD IN COLLABORATION IN WHICH IEEE BBDITM WAS ALSO A COMMUNITY PARTNER. IT WAS A VERY BIG EVENT IN WHICH THE IEEE TEAM WAS ALSO CONTRIBUTED IN THE FEST AS A HOSPITALITY TEAM WHERE THERE WAS VARIOUS COMPETITION AND THE CELEBRATION IN WHICH THERE WAS ALL COLLEGES OF LUCKNOW CITY HAS PARTICIPATED AND WON THE PRIZES. IT WAS A 3 DAYS EVENT AND A GREAT EXPERIENCE FOR ALL THE COMMUNITY MEMBERS.



IEEE BBDITM STUDENT, LUCKNOW (STB10214)

EVENT NAME - TECH TALK WITH PROF. S. N SINGH SIR

- **DATE: 27 MAR 2023**
- **TIME: 02:00 PM TO 04:30 PM**
- **VENUE: BBDITM COLLEGE, FAIZABAD ROAD, LUCKNOW, UTTAR PRADESH, INDIA 226028, BUILDING: E BLOCK, ROOM NUMBER: 507 SEMINAR HALL**

KINDNESS IS A LANGUAGE WHICH THE DEAF CAN HEAR AND THE BLIND CAN SEE -- MARK TWAIN

A TECHNICAL EVENT WAS PLANNED FOR OUR NEWLY JOINED MEMBERS OF IEEEBBDITM, WHICH WAS A VERY EFFECTIVE SESSION IN WHICH PROF. S.N SINGH SIR GIVEN HIS PRECIOUS TIME TO THE STUDENTS OF BBDITM.

THE TOPICS THAT WERE UNDER DISCUSSION WERE AS FOLLOWS:

WHAT IS IEEE

WHAT DOES IEEE DO

BENEFITS OF JOINING IEEE

HOW TO GRAB DIFFERENT OPPORTUNITIES AND APPLY FOR FUNDS

HOW TO JOIN DIFFERENT TECHNICAL SESSION VIRTUAL OR IN PERSON OR HYBRID

WORK OF VOLUNTEERS UNDER IEEE

HOW TO READ RESEARCH PAPERS.

PROF. S.N SINGH SIR IS A GREAT SPEAKER WHO ALSO ENCOURAGED STUDENTS THROUGH HIS WORDS LIKE HOW TO HANDLE OUR DIFFERENT LIFE EVENTS AND EAGERNESS TO LEARN AND GRAB OPPORTUNITIES, ETC

AFTER THE END OF SESSION WE ALL MEMBERS HAD OUR LUNCH.



IEEE SHRI RAMSWAROOP MEMORIAL COLLEGE OF ENGINEERING AND MANAGEMENT

1. IEEE STUDENT BRANCH EVENT

Annual Body General Meeting(AGM)

The annual general meeting 2022 of IEEE SRMCEM was organized on 2nd January, 2022. The detailed annual report was presented by the branch chair, Mr. Ambar Misra. Annual general meeting started with the opening remarks by Honorable Prof. Dr. Bhavesh Kumar Chauhan and discussed about the activities done by IEEE SRMCEM whole year and future IEEE prospects and vision. As a part of agenda, best student volunteers were felicitated for their efforts during the whole year for performing different activities and taking IEEE to new height of innovations and new office bearers took charge. The annual financial report of different IEEE chapters were also displayed. Overall, the IEEE AGM event was a huge success with 40 attendees. The event provided a platform for attendees to learn from each other, share their knowledge and expertise, and build collaborations that could lead to significant advancements in the field of Engineering.



2. IEEE WOMEN IN ENGINEERING AFFINITY GROUP EVENT

E-Mobility Ecosystem: An Inclusive Perspective.

The IEEE Women In Engineering Affinity Group of Shri Ramswaroop Memorial College of Engineering and Management, Lucknow organized a seminar about E-MOBILITY ECOSYSTEM on 6th Feb 2023. The speaker of the program was Dr. Rajeev Kumar Singh, an Associate Professor of Electrical Department, in IIT(BHU). The seminar was attended by more than 100 students. In the seminar the speaker gave introduction about E-Mobility and benefits of using an E-Vehicle instead of conventional petroleum-based vehicles. The seminar focused on Lithium-based batteries and their advantages and disadvantages. In this seminar office bearers of IEEE SRMCEM Dr. Indu Prabha Singh, Dr. Khadim Moin Siddiqui, Er. Sandhya Srivastava and Director Sir Prof. Dr. Bhavesh Kumar Chauhan were also present.



IEEE SHRI RAMSWAROOP MEMORIAL COLLEGE OF ENGINEERING AND MANAGEMENT

3. IEEE ROBOTICS AND AUTOMATION CHAPTER EVENT EMERGING TRENDS IN SPACE TECHNOLOGY

The IEEE Student Branch and RAS Chapter organized the seminar on Emerging Trends in Space Technology on 2nd March 2023. The Seminar begins with the basics of wireless communication. The speaker, Prof. N.K. Srivastava, retired Senior Deputy General, Telecommunication Engineering Centre, New Delhi, told us about satellites and the types of satellites, majorly focusing on geostationary satellites like INSat-43, GSAT-30 etc. The seminar was interactive, and the speaker tried to develop curiosity about space technology among the students. A demonstration of a miniature version of the satellite also took place. Special mention was about Space technology which is rapidly evolving, and it has been an exciting time for the space industry. New technological advancements have enabled more efficient space exploration, which has increased our understanding of the universe. Overall, this event was a huge success with 40 IEEE attendees and 4 guest attendees. The event provided a platform for attendees to learn from each other, share their knowledge and expertise, and build collaborations that could lead to significant advancements in the field of Engineering. Students learned about the potential impact of these technologies on the environment, astronomical observations, and other areas. Moreover, this seminar enlightened students on commercial spaceflight, space-based internet, interplanetary exploration, and space mining techniques.



SHRI RAMSWAROOP MEMORIAL COLLEGE OF ENGINEERING AND MANAGEMENT
STUDENT BRANCH INVITES YOU
SEMINAR ON
EMERGING TRENDS IN SPACE TECHNOLOGY
Speaker: Prof. N.K. Srivastava
Deputy Director General, Telecommunication Engineering Centre, Dept. of Telecommunication
Date: 2nd March 2023
Time: 10 AM TO 12 PM
Venue: Seminar Hall
Coordinator: Abhishek Harsh Piyush P
mya Kumari



4. IEEE Women in Engineering Affinity Group Event INTERNATIONAL YOUTH DAY:2023

National youth day is celebrated every year on the birth anniversary of Swami Vivekananda. A quiz competition was organized to encourage the students to strive for betterment. The prize was also given to appreciate their efforts. Youth is an essential component of any society as they represent the future of that society. They are the driving force behind social, economic, and cultural progress. Young people bring new ideas, perspectives, and energy to the table, which can be instrumental in solving the challenges facing the world today. The importance of youth lies in their potential to innovate, create, and lead. They possess a unique combination of creativity, resilience, and adaptability that can drive progress and change. Young people are also crucial in building a sustainable future, as they will be the ones who inherit the consequences of decisions made today. Investing in youth development, education, and empowerment is therefore crucial to ensure that we build a better tomorrow. By harnessing the potential of youth, we can create a more prosperous, equitable, and sustainable future for all.

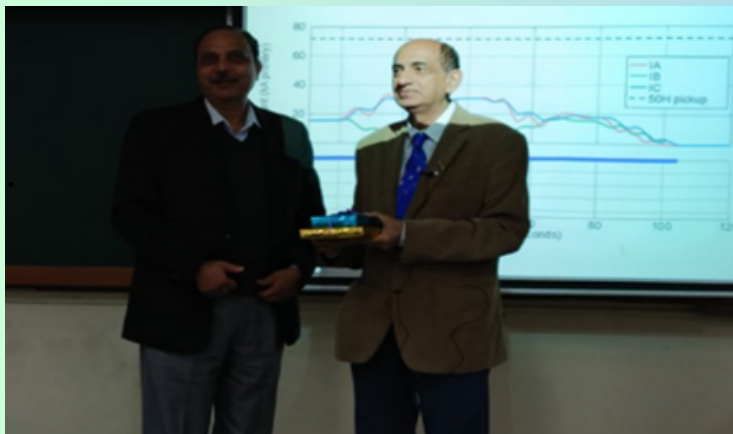


SHRI RAMSWAROOP MEMORIAL COLLEGE OF ENGINEERING AND MANAGEMENT
LUCKNOW
WOMEN IN ENGINEERING AFFINITY GROUP PRESENTS
KBYC
Kaun Bega Youth Champion
ON
International Youth Day
12 JANUARY 2023
Registration fees-50 Rupees
Registration link:
https://docs.google.com/forms/d/1FAlpQLSemhL1HMI-XUKQoJmWyrIdUBUCgFTBQumIsL_U9-Mg6EnWSQ/viewform?usp=sf_link
Link open till tomorrow 5:30 pm
NATIONAL YOUTH DAY
CONVENER
Er. SANDHYA SRIVASTAVA
IEEE SENIOR MEMBER ADVISOR, IEEE WIE SRMCEM, LUCKNOW
Winners
1st Position-Prize and Certificate
2nd Position-Prize and Certificate
3rd Position-Prize and Certificate
VENUE- F BLOCK SEMINAR HALL
DATE-12 JANUARY 2023
TIME-3:00PM
ORGANIZER
STUDENT COORDINATOR
SHIKHAR NIGAM

IEEE PES STUDENT BRANCH CHAPTER, IIT KANPUR

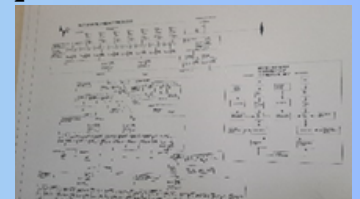
IEEE PES TALK BY PROF. MUKESH NAGPAL ON "TALE OF TWO OUT-OF-PHASE SYNCHRONIZING EVENTS AT BC HYDRO"

Prof. Mukesh Nagpal is Principal Engineer/Manager with the Protection and Control Planning Group within BC Hydro Engineering. Prof. Nagpal is also a senior member of IEEE, IEEE-PES distinguished lecturer, part-time faculty at the University of British Columbia and a registered member of the Association of Professional Engineers and Geoscientists of British Columbia (BC), Canada. A talk delivered by Prof. Mukesh Nagpal was held at the Indian Institute of Technology Kanpur (IIT Kanpur), organized by IEEE PES SBC IIT Kanpur, IEEE UP Section on 16th January 2023. The main theme of the seminar was "Tale of two out-of-phase synchronizing events at BC Hydro." Synchronous generators are commonly used in power systems to convert mechanical energy into electrical energy. When two or more synchronous generators are connected in parallel to supply a common load, they must be synchronized in phase and frequency to ensure stable operation. However, if the generators are not synchronized properly, they can operate out of phase, resulting in undesirable effects such as voltage and current fluctuations, increased mechanical stress on the generators, and even system blackouts. Therefore, it is crucial to ensure proper synchronization and control of synchronous generators to prevent out-of-phase operation and ensure a reliable power supply. This talk started with the basic concepts of power system operation and Prof. Mukesh Nagpal also shared a few insights about the operational challenges faced by him in the practical field of operation. From the audience's perspective, the talks were very interactive and practically relatable as presented. It was a very informative event, which inspired the listeners and directed a new path for further research. Sunil Kumar Maurya (Research Scholar, Dept. of Electrical Engineering, IIT Kanpur) Chair, Executive committee, IEEE PES Student Branch Chapter, IIT Kanpur



IEEE PES Event - "Industrial Visit to Smart Grid Rural Field Pilot Project at Harnoo Village, Kanpur"

An Industrial Visit to Smart Grid Rural Field Pilot Project at Harnoo Village, Kanpur was organized by IEEE PES SBC IIT Kanpur on 25th February 2023. Esteemed Faculty, Prof. Ankush Sharma, Dept. of EE, IIT Kanpur and his expert team led ten research enthusiasts to the field where everyone got the opportunity to have a closer view of a practical microgrid in operation. Microgrid is a decentralized power system that can operate independently or in coordination with the main grid. It is composed of small-scale power generation sources such as solar panels, wind turbines, and battery storage that can provide electricity to a local community or a facility. Microgrids are designed to improve the reliability, resiliency, and efficiency of the power supply, especially in remote or rural areas where access to the main grid is limited or unreliable. This visit helped participants to understand the challenges associated with the operation of a microgrid in practical scenario. Other than the power system constraints several political and geographical issues may arise during commissioning and operation of a microgrid. The visit was very exciting for all the research enthusiasts. It was truly a motivating event, which can allow future research to progress. Sunil Kumar Maurya (Research Scholar, Dept. of Electrical Engineering, IIT Kanpur) Chair, Executive committee, IEEE PES Student Branch Chapter, IIT Kanpur



IEEE PES STUDENT BRANCH CHAPTER, IIT KANPUR

SIEEE PES EVENT - "WOMEN'S DAY CELEBRATION"

"A Women's Day celebration" was held at the Indian Institute of Technology Kanpur (IIT Kanpur), organized by IEEE PES SBC IIT Kanpur on 03rd March 2023. Dr. Swathi Battula, Dr. Twinkle Tripathy and Dr. Shilpi Gupta, esteemed faculties from Electrical Engineering Dept., IIT Kanpur, were the Chief Guests with Prof. Nandini Gupta as an Honorary Guest. International Women's Day is celebrated annually on March 8th to recognize the social, economic, cultural, and political achievements of women worldwide. It is a day to celebrate women's contributions to society and to raise awareness about gender inequality and discrimination that women still face in many parts of the world. The day also serves as a reminder of the ongoing efforts towards gender equality and empowerment. Women's Day is not just about celebrating women's achievements, but also about recognizing the challenges that women continue to face and the need to create a world where gender equality is a reality. It is a day to inspire and encourage women to break barriers, pursue their dreams, and strive for a better future for themselves and the generations to come. Due to Mid-Sem break, the event was held on 3rd March 2023. The talk was very interactive, and it was an open discussion from the Professors as well as the students. It was truly a motivating event, which inspired the listeners truly.



IEEE PES LRT talk by Ms. Shreyasi Som on "Controller Hardware-in-loop validation using real-time digital simulator: what, why, and how to validate?"

Ms. Shreyasi Som has done her B.Tech. degree from the National Institute of Technology Raipur, India, and the M.Tech. degree from the Indian Institute of Technology Bhubaneswar, India in Electrical Engineering. She is currently pursuing the Ph.D. degree with the Department of Electrical Engineering, Indian Institute of Technology Kanpur, India. A talk delivered by Ms. Shreyasi Som was held at the Indian Institute of Technology Kanpur (IIT Kanpur), organized by IEEE PES SBC IIT Kanpur on 17th March 2023. The main theme of the seminar was "Controller Hardware-in-loop validation using real-time digital simulator: what, why, and how to validate?" Controller Hardware-in-loop (HIL) validation is an essential technique for testing and verifying control systems' performance. It involves connecting a real-time digital simulator (RTDS) with the physical controller to emulate the system's behavior under various conditions. The RTDS provides a realistic simulation environment that allows the controller to be tested against real-world scenarios without the need for costly and time-consuming physical testing. The controller's performance can be validated by analyzing the system's response to simulated scenarios, such as faults or disturbances, and comparing it with the expected behavior rendering its application in power systems. This talk started with the Software-in-loop validation, Controller Hardware-in-loop validation, Power Hardware-in-loop validation and Field validation of power system equipment. Ms. Som shared a few insights about the operational challenges that she had faced during the designing period. From the audience's perspective, the talks were very interactive and was presented in an excellent fashion. It was truly an informative event, which inspired the listeners and directed a new path for further research.



IEEE PES STUDENT BRANCH CHAPTER, IIT KANPUR

IEEE PES & DEIS TALK BY MS. SHUBHANGI BHARDWAJ ON "ASPIRING IISCIANS MEET (TO SENSITIZE STUDENTS ABOUT RESEARCH OPPORTUNITIES AT IISC BANGALORE)"

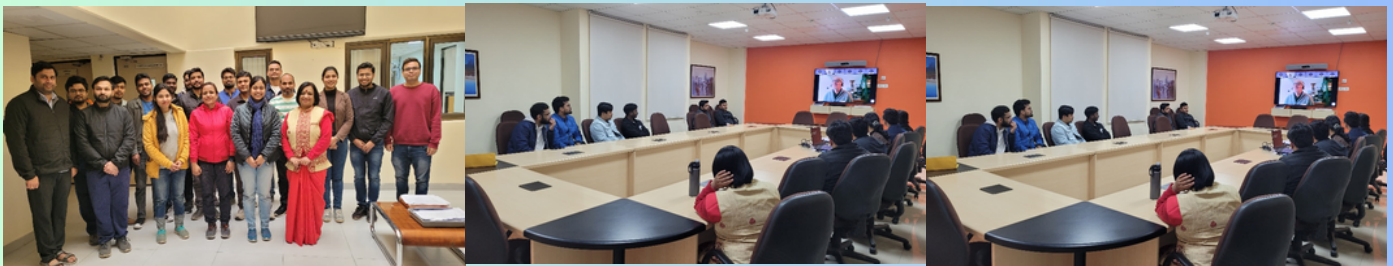
Ms. Shubhangi Bhardwaj has done her B.Tech. degree in Electronics and Communication Engineering, Galgotias College of Engineering and Technology, Greater Noida and MS(R), IIT Guwahati. She is currently pursuing Ph.D. at the Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science, Bengaluru. A talk delivered by Ms. Shubhangi Bhardwaj was held at the Indian Institute of Technology Kanpur (IIT Kanpur), organized by IEEE PES & DEIS SBC IIT Kanpur on 21st March 2023. The main theme of the seminar was "Aspiring IISCIans Meet." The Indian Institute of Science (IISc) is one of the top institutions in India for postgraduate studies in science and engineering. Pursuing postgraduate studies at IISc is a great opportunity for students who want to deepen their knowledge and research skills in their field of interest. With its state-of-the-art facilities, experienced faculty, and interdisciplinary approach, IISc offers a challenging and stimulating environment for learning and research. Students can choose from a wide range of programs, including master's and doctoral degrees in various areas although the talk mainly concentrated on the various eligible areas in Electrical Engineering at IISc Bengaluru. The rigorous curriculum, combined with the opportunity to participate in cutting-edge research, provides students with a solid foundation for future academic and professional success. From the audience's perspective, the talk was very interactive and students from other departments also attended to enhance their perception of research. It was truly an informative event, which inspired the listeners truly. Sunil Kumar Maurya (Research Scholar, Dept. of Electrical Engineering, IIT Kanpur) Chair, Executive committee, IEEE PES Student Branch Chapter, IIT Kanpur

Credit: The newsletter is drafted by Mr. Sayantan Chatterjee, member, IEEE PES SBC IITK



INAUGURATION OF IEEE DEIS STUDENT BRANCH CHAPTER IIT KANPUR, INDIA

The power sector has made significant progress in recent years. There is a continuous increase in generation capacity, with a growing share of renewable energy sources like wind, solar, and hydropower. This progress requires considerable research in the field of dielectrics, as dielectric materials play a crucial role in various aspects of the power industry, such as electrical insulation, energy storage, and high-voltage equipment. At IIT Kanpur, our research in the field of dielectrics is aimed at contributing to the continued progress and innovation in the power sector. By conducting research in this area, we strive to improve the efficiency, safety, and reliability of electrical equipment and systems. Our work is aligned with the critical importance of dielectric research in India's power sector and aims to make a meaningful impact in this field. Such research effort needs to be strongly supported by societies such as Dielectrics and Electrical Insulation Society (DEIS). The High Voltage (HV) labs at our institution offer valuable opportunities for students to gain knowledge and conduct research in the field of high voltage engineering and electrical insulation. Despite the benefits of these labs, there are several challenges that students encounter, including inadequate research funding, limited professional development opportunities, and insufficient industry-academia collaboration. The establishment of the IEEE DEIS student chapter could serve as a critical resource for addressing these challenges and enhancing the overall student experience by providing a platform for networking, mentorship, and collaboration in the field of high voltage engineering and electrical insulation. On January 20, 2022, the IEEE DEIS Student Branch Chapter at the Indian Institute of Technology Kanpur was officially launched. This Student Branch Chapter is the first of its kind in the section and presents a unique opportunity for students to engage with the DEIS society. The inauguration ceremony featured chief guests such as Prof. Brian Stewart, President of IEEE DEIS, and Prof. Yogesh Singh Chauhan, Chair-Elect of IEEE YP Section. The mentor of the chapter, Prof. Dr. Nandini Gupta, and the faculty advisor, Prof. Alok Ranjan Verma, were also present at the event. The ceremony was conducted in a hybrid mode, with 20 attendees present in-person and 15 participating virtually.



The event began with a welcome address from the student chapter chair, Ashok Narayan Tripathi, who provided an overview of the formation of the SBC and introduced the executive committee for the upcoming year. The Chief Guest, Prof. Brian Stewart, then delivered his address virtually, explaining the role of DEIS and how it supports meetings and conferences. He also highlighted the society's new initiatives and plans for the future, emphasizing the importance of student chapters to the society's growth. Next, the Guest of Honor, Prof. Yogesh Singh Chauhan, shared his insights on how the YP section can support the future activities of the student branch chapter. He emphasized the importance of students' involvement in technical activities and their role in driving society's growth. The mentor, Prof. Nandini Gupta, shared her thoughts on the significance of the student chapter and its impact on students' professional development. Finally, the faculty advisor, Prof. Alok Ranjan Verma, shared his views and highlighted the importance of student enthusiasm in driving the success of such committees. Overall, the event provided valuable insights and encouragement for the IEEE DEIS Student Branch Chapter at the Indian Institute of Technology Kanpur. To attract new members, our SBC plans to organize various events and spread awareness about the benefits of joining the IEEE DEIS. We also plan to offer discounts for society members for attending the events organized under SBC. In order to keep our IEEE DEIS Student Branch Chapter at the Indian Institute of Technology Kanpur active and to encourage member participation, we have developed several strategies. These include organizing regular committee meetings and leadership training programs. We also plan to celebrate important events such as Women's Day, IEEE Day, and Engineer's Day and highlight the events organized by our SBC through newsletters and social media platforms. Additionally, we have a series of exciting events planned for our SBC, which we would like to share with you.

1. Periodic conduction of invited technical talks from expert personnel in industry and academia.

2. A flagship event of our SBC will be organized in July, which will include workshops, seminars, panel discussions, student competitions and a social gathering.

3. We also plan to host DEIS-sponsored conferences or summer school in future

INAUGURATION OF IEEE DEIS STUDENT BRANCH CHAPTER IIT KANPUR, INDIA

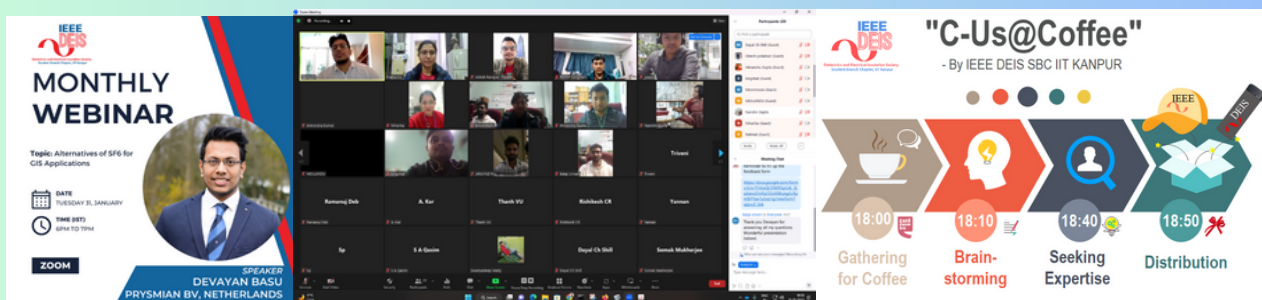
Comprising a team of driven and passionate members, the IEEE DEIS SBC at IIT Kanpur is poised to lead by example and establish elevated benchmarks in our society. Our primary objective is to hold frequent events, and we are determined to achieve this aim with diligence and enthusiasm. We are confident in our team's ability to inspire and effect positive change in our community. Follow us on LinkedIn at <https://www.linkedin.com/company/ieee-deis-student-branch-chapter-iit-kanpur/> and visit our website <https://edu.ieee.org/in-iitkdeis/> for the latest updates of the events and activities.

Ashok Narayan Tripathi

Chair, IEEE DEIS SBC IIT Kanpur

“Monthly Webinar Series – January 2023”

On January 31, 2023, the IEEE DEIS Student Branch Chapter at IIT Kanpur organized its first Monthly Webinar Series with Mr. Devayan Basu from Prysmian BV, Netherlands, as the esteemed speaker. The event was organised through Zoom platform, and it experienced a participation of approximately 45 people. The topic of discussion was “SF6 Alternative Novel Gas Mixtures,” where Mr. Basu highlighted the need to explore alternative gases for GIS applications that could match the dielectric properties of SF6. The webinar was divided into two sections. The first section covered the investigation of the present trends and state-of-the-art SF6 alternate gas mixtures. The second section focused on the potential replacement candidates, regenerative gases such as C4F7N, C5F10O, and technical air with buffer gases mixture. Mr. Basu discussed the dielectric properties, partial discharge characteristics, and the ability to detect metallic protrusions in these gases. He also introduced the time lag characteristics and how they compare to SF6. The webinar also touched upon the material compatibility of these novel gases with different metals, particularly the GIS enclosure material, to understand the chemical reactions and by-product formation. The results were based on Mr. Basu's work and respective publications at ETH Zurich, Switzerland. The primary objective of the webinar was to understand the state-of-the-art gas mixtures being investigated, their breakdown and P.D. characterization, chemical reactions with metals, and how they compare to SF6. Therefore, to summarise, Mr. Basu discussed the automation of experiments using Python, simulation methods, and AI-related applications for data analysis of the experimentally obtained values and the session concluded with a general discussion and questions from the participants.



The “C-Us@Coffee” event, held at 6 pm on February 9th, 2023, at Café Coffee Day - IITK, was a resounding achievement. The gathering brought together High Voltage Community members at IIT Kanpur for a get-together over a cup of coffee at CCD to discuss the upcoming SBC events in 2023. The event provided an excellent opportunity for SBC members to plan and network with like-minded individuals. Attendees enjoyed coffee while actively participating in a brainstorming session on the upcoming events, mentored by Prof. Nandini Gupta. This event also included students who are not associated with SBC but have High Voltage as an area of interest. This was an awareness event for them to take up the leadership and participate in SBC activities by becoming a member of the IEEE DEIS Young Professionals community. SBC Chair, Mr. Ashok, who is also the India representative of the DEIS YP group, briefed about the newly formed IEEE DEIS Young Professionals Group and the benefits of being a DEIS YP member. The gathering concluded with the distribution of goodies to all the participants, sponsored by the IEEE DEIS YP Group.

Discussion 1: Generating Ideas: “Brainstorming for SBC’s Flagship Event”

One of the motives of this session was to plan for the upcoming flagship event (in July ‘23) of our SBC, aimed at promoting awareness of high voltage engineering to the community. The discussion covered the possible theme, duration, time, mode, activities, expected participation, participation fees and funding possibilities for the event. The SBC members proposed various themes on high voltage applications and discussed the upcoming areas in high voltage research, with Prof. Gupta suggesting medical and aerospace applications and considering including one or two upcoming areas in the event.

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CHAPTER IIT KANPUR, INDIA

The discussion was mainly concentrated on possible activities that can be accommodated in the event. Invited talks, student competitions, demonstrations, panel discussions and social gatherings were suggested by the members. Prof. Nandini Gupta suggested that the student participants can demonstrate a concept or idea in high voltage engineering in the form of a mini-project or a proof of concept. To attract undergraduate students, activities such as technical photography or logo design can also be included in the event.

Discussion 2: Bridging the Industry-Academia Gap

During the meeting, the members proposed inviting industry experts in high-voltage engineering to speak at the event. Prof. Nandini Gupta suggested that it would be of interest to both industry and academia if industrial R&D personnel can give a talk on how the expertise of students working in high voltage can be useful to them and students get a chance to showcase how their research can be useful to the industries. This will increase job prospects and bridge the gap between industry and academia.

Discussion 3: Discussion of Other Possible Future activities of SBC

It was concluded that to extend the reach of SBC among nearby institutes and undergraduate students of IIT Kanpur, an innovative event is necessary before July so that we can have increased participation in the July event. The gathering also discussed the possible social and humanitarian events under SBC. Prof. Nandini Gupta suggested the outreach activity to nearby private colleges and schools (pre-university) to generate interest to take up engineering as a career.

“Monthly Webinar Series – February 2023”

On February 25, 2023, the IEEE DEIS Student Branch Chapter at IIT Kanpur organized their second Monthly Webinar Series. The event featured Dr. Mrutyunjay Maharana from Xian Jiatong University, China, as the distinguished speaker. The webinar, which was held on the Zoom platform, attracted approximately 25 attendees. Dr. Maharana discussed the significance of studying the partial discharge behavior of ester oil at saturation of moisture content. He explained that the majority of water ingress in transformers is stored in kraft paper and pressboard insulation, which endangers the transformer's health condition by reducing the dielectric strength. The industry prefers to use ester oils as the liquid insulating system rather than mineral oil due to their biodegradability, which calls for the need to study the moisture ingress characteristics of ester oil insulation. During the presentation, Dr. Maharana compared the electrical performance of two types of ester oils, FR3 and PFAE. He noted that moisture has a negative impact on the insulating oil, irrespective of the type and nature of the oil. With the application of temperature, moisture absorption increases from the atmosphere, and the dissolved moisture has also been associated with it. However, above 50 degrees Celsius, the AC breakdown voltage and the partial discharge inception voltage are marginally affected by moisture content. Dr. Maharana also emphasized that viscosity plays a significant role in the oil breakdown and partial discharge inception. Furthermore, Dr. Maharana's research indicated that ester oils are more prone to combine with water as the ester molecules have oxygen compounds in them. If free water increases over the saturation level of the oil, the water becomes a bubble in the insulating oil, leading to rapid failure of the insulation. FR3, which is highly viscous, after being decomposed due to electrical breakdown, doesn't diffuse, but rather stagnates and therefore offers a greater threat for further breakdown compared to PFAE oil. Additionally, combined water of tetra ester has a higher water content than triester and monoester. In conclusion, the webinar provided valuable insights into the study of partial discharge behavior of ester oil at saturation of moisture content. The topic is essential in ensuring the optimal operation of transformers and maintaining their health condition. The presentation highlighted the importance of understanding the characteristics of insulating oils and their susceptibility to moisture, which could have significant implications on the performance of transformers.



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On March 21, 2023, an offline meeting was held at DA-229, in the Electrical Department of IIT Kanpur for the IEEE SBC members. Approximately 25 attendees were present to hear from Shubangi Baradwaj, a PhD scholar from the Indian Institute of Science (IISC) in Bangalore, who was invited to speak about "Student Life at IISC". During her talk, Shubangi provided an overview of the undergraduate, postgraduate, and doctoral programs available in various departments at IISC. She emphasized the industry collaborations and opportunities available for students, and highlighted the fact that all students at IISC work on funded industry projects. Additionally, she discussed the various student fellowships available at IISC. Shubangi then spoke about her department, the Center for Nanoscience and Engineering (CeNSE), and the interdisciplinary research opportunities available in the field of nanoscience. She highlighted the advantages of pursuing a PhD in her department, including the world-class equipment and clean room facilities available for fabricating semiconductor technology, as well as micro and nano characterization facilities. Shubangi emphasized that research expense and equipment availability is not a barrier for research at IISC. In conclusion, Shubangi discussed the placement opportunities for IISC students and spoke highly of the companies that come to IISC for placement. She mentioned that the alumni of her department have successful careers and are satisfied with the cutting-edge work they do. Overall, Shubangi's talk was informative and insightful, providing the IEEE SBC members at IIT Kanpur with valuable insights into the opportunities available at IISC. The members were grateful for her time and look forward to future collaborations with IISC.

"Monthly Webinar Series – March 2023"

On March 29, 2023, the IEEE DEIS Student Branch Chapter at IIT Kanpur hosted their third Monthly Webinar Series featuring Dr. Sruti Chakraborty Mukherjee from SeetaLabs, Turin, Piedmont as the distinguished speaker. The webinar, which was held on the Zoom platform, attracted approximately 25 attendees. The topic of discussion was "Digitalizing the best practices of transformer condition monitoring for smart grid", with a focus on data-driven techniques for condition monitoring of transformers. Dr. Sruti began the webinar by highlighting the need for health indexing and asset management in India, given its significant renewable energy production and growing demand for energy. She emphasized that transformer asset management can greatly improve smart grid efficiency and contingency management, citing the CIGRE A2.44 (630) article for condition monitoring. During the webinar, Dr. Sruti discussed common failure modes in transformers, including moisture ingress in paper insulation, oil degradation due to thermal and sludge charring. She explained how various sensor data collected from inside the transformer can be used to predict its current condition and prevent loss of transformer life. For a fleet of transformers, all these sensor data are collected and processed in the cloud to arrive at a health index corresponding to each transformer, and finally, the transformers are ranked based on the health index. Based on these ranks and health indexes, appropriate decisions can be made to repair, replace, or inspect the transformer further.

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Dr. Sruti concluded the webinar by discussing the machine learning algorithms and data processing techniques utilized to calculate the health index, a quantitative marker derived from qualitative information about the transformer's history and sensor data. She emphasized that the process of condition monitoring can be represented by a simple pentagon with vertices including data quality, reliability, debiasing, data-driven decision-making, and decarbonization. Dr. Sruti emphasized the importance of achieving a balance between these vertices to achieve the optimal operation of a transformer. Overall, the webinar was informative and provided attendees with valuable insights into data-driven techniques for transformer condition monitoring. The IEEE DEIS Student Branch Chapter at IIT Kanpur thanks Dr. Sruti for her time and looks forward to future collaborations.



IEEE DEIS
Dielectrics and Electrical Insulation Society
Student Branch Chapter, IIT Kanpur

MONTHLY WEBINAR

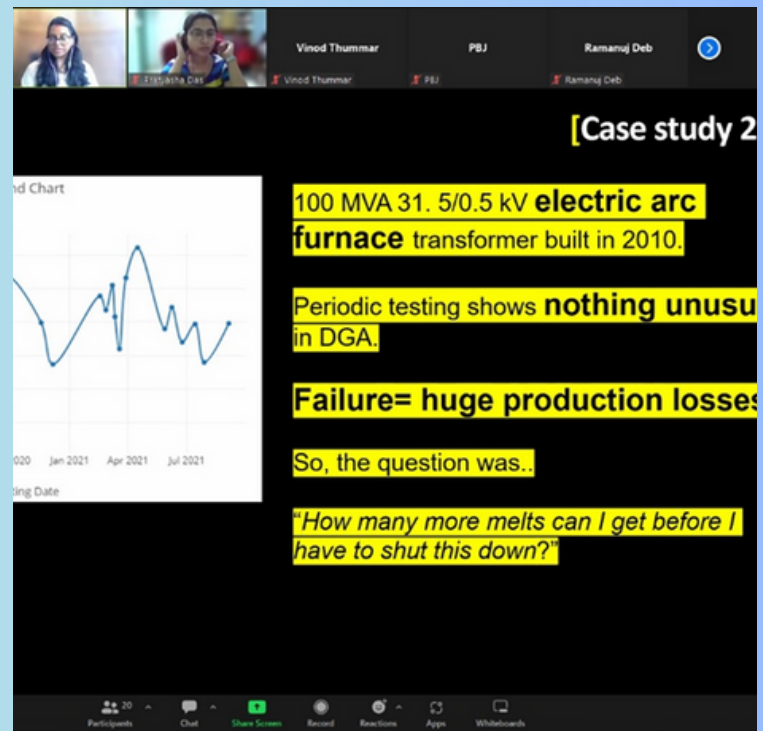
Topic: Digitalizing the Best Practices of Transformer Condition Monitoring for Smart Grids

DATE
WEDNESDAY 29, MARCH

TIME (IST)
4PM TO 5PM

ZOOM

SPEAKER
DR SRUTI CHAKRABORTY
CO-FOUNDER & MANAGER (R&D) AT SEETALABS SRL



[Case study 2]

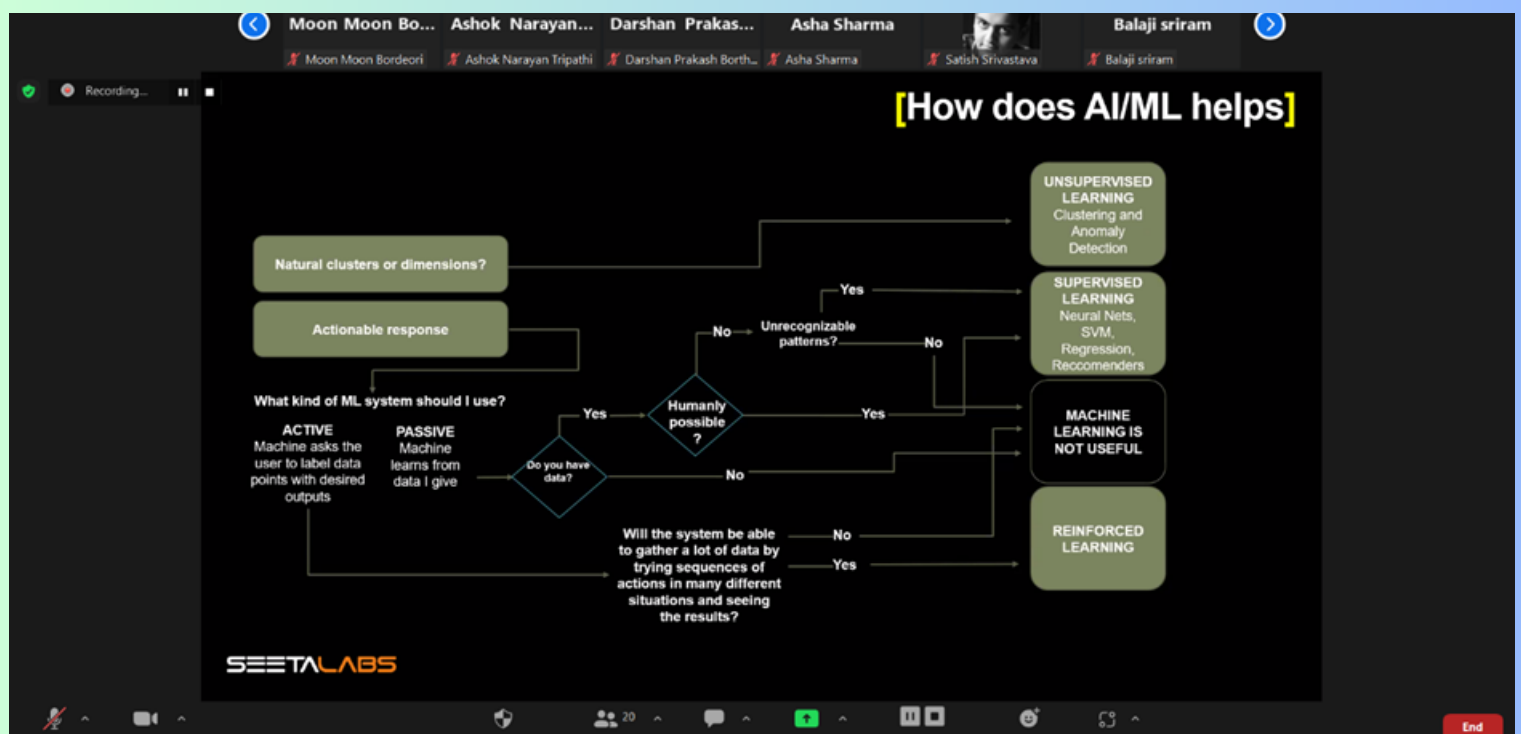
100 MVA 31.5/0.5 kV electric arc furnace transformer built in 2010.

Periodic testing shows nothing unusual in DGA.

Failure= huge production losses

So, the question was..

How many more melts can I get before I have to shut this down?



[How does AI/ML helps]

What kind of ML system should I use?

ACTIVE
Machine asks the user to label data points with desired outputs

PASSIVE
Machine learns from data I give

Do you have data?

Yes

Humanly possible?

Yes

UNSUPERVISED LEARNING
Clustering and Anomaly Detection

SUPERVISED LEARNING
Neural Nets, SVM, Regression, Recommenders

Machine Learning is NOT USEFUL

REINFORCED LEARNING

Will the system be able to gather a lot of data by trying sequences of actions in many different situations and seeing the results?

Yes

No

SEETALABS

IEEE STUDENT BRANCH CHAPTER IIT ROORKEE, CAS04 (SBC56701C)

Event Name: General Talk on “One – CASS (Connecting CASS India)”

Event Organisers: Dr. Anand Bulusu and Dr. Sudeb Dasgupta

Date and Time: 17th March 2023, 12.30 pm – 1.00 pm

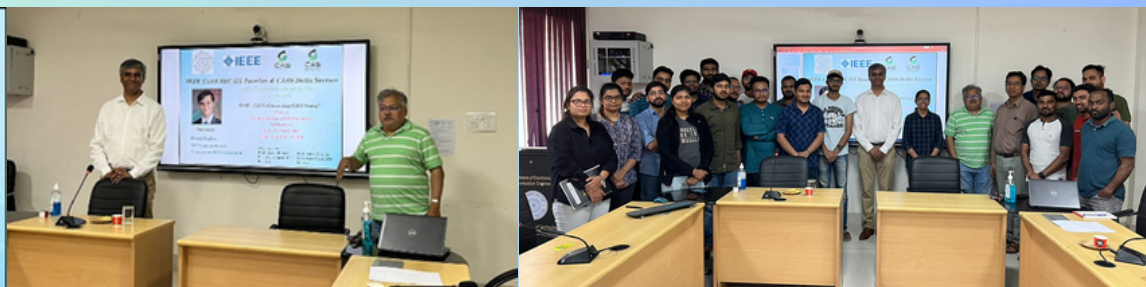
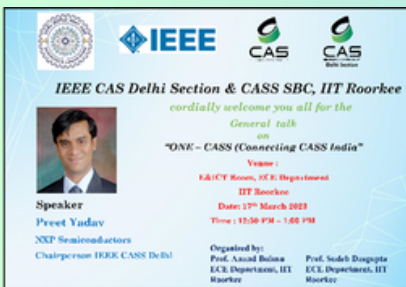
Venue: Conference Hall, ECE department, IIT Roorkee

Speaker Biography:

Yadav Preet is R & D SOC Technical Program Manager for Automotive Group at NXP Semiconductors. Prior to re-joining NXP in his second stint, he was working with Wipro as Analog Practice Head, Distinguished Member of Technical Staff (DMTS) - Wipro Senior Member, leading Analog & Mixed Signal Practice globally in VLSI Technology Group. He has two decades of enriched Research & Development experience in the diversified Semiconductor industry. His expertise includes Analog and Mixed Signal (AMS) design & verification, core technology development of Process Design Kits (PDK) and Electronic Design Automation (EDA). He received B. Tech. degree in ECE from Kurukshetra University and M. Tech. degree in VLSI Design & CAD from Thapar Institute of Engineering & Technology. He is IEEE Delhi Section Chairperson for Circuit and Systems Society (CASS). He is Associate Editor of IEEE Sensors Alert. He is member of IEEE CAS - VLSI Systems & Applications Technical Committee (VSATC). He is core team member of VLSI Design (VLSID) Conference Steering Committee. He is actively associated with multiple community relations groups. He is serving as General Chair of “IEEE Asia Pacific Conference on Circuits and Systems (APCCAS 2023)” to be held for the first time in India in Nov 2023.

About the Event:

IEEE Student Branch Chapter in collaboration with IEEE Student Branch Roorkee and IEEE CASS Delhi Section organised a one-day invited talk on “One – CASS (Connecting CASS India)” on Friday, 17th march, 2023 at Indian Institute of Technology Roorkee. Dr. Sudeb Dasgupta (Professor, ECE Department) has welcomed the Keynote Speaker Preet Yadav, Chairperson IEEE CASS Delhi Section. Preet Yadav is currently working as R&D SOC Technical Program Manager for Automotive Group at NXP Semiconductors, India. In this talk, he spoke about the importance of CASS in India and how it helps connecting members, students, and industry professionals across the world. He also highlighted the benefits that CASS provides to student community to participate in different conferences, workshops, and seminars across India. The talk was very interesting given the students were curious to know about the opportunities they may get by connecting with IEEE CAS Society. The program was successfully concluded by Dr. Anand Bulusu (Professor, ECE Department) with a formal Vote of Thanks to Preet Yadav for taking time out of his busy schedule for this wonderful talk.



ACTIVITIES IEEE- STUDENT BRANCH JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

Name of Event : Hackstreet

Agenda : An opportunity to collaborate with a community of innovators, develop new skills, and create innovative solutions to real-world challenges.

Description : A hackathon event that brings together a community of innovators, developers, designers, and entrepreneurs to collaborate and create innovative solutions to real-world challenges.

Time and Date : 04 - 05 February 2023

Venue : Online



Name of Event : Tech Talk by Utkarsh Gupta

Agenda : To promote competitive programming among students.

Description : He is a person with exceptional skills and his contributions have made him the epitome of programming. He is the highest-ranked Indian coder on CodeForces and a GrandMaster and a 7-star coder on CodeChef.



Name of Event : Tech Talk by Striver

Agenda : To encourage students with his inspiring words. **Description :** He is a programming genius, a class apart, working as a Software Engineer with Google and has also been a part of tech tech companies like MediaNet and Amazon.



ACTIVITIES IEEE- STUDENT BRANCH JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

Name of Event : Runtime Terror

Agenda : To enhance coding skills, problem-solving ability, and provide an opportunity to showcase talent and compete with peers.

Description : A coding competition that challenges participants to solve programming problems and complete coding challenges within a specified time frame.

Time and Date : 4:30 PM, 04 February 2023

Venue : Labs



Name of Event : Treasure Trail

Agenda : To provide an exciting and enjoyable experience for participants.

Description : A fun and exciting treasure hunt event where participants use clues to navigate their way through a series of challenges in order to get to the final position.

Time and Date : 11 AM, 5 February 2023

Venue : OAT



Name of Event : Trident Arc

Agenda : To enhance knowledge and skills in circuit design, power systems, and electronics.

Description : An electrical science event that focuses on various aspects of electrical engineering, including circuit design, power systems, and electronics.

Time and Date : 2 PM, 05 February 2023

Venue : LT4



ACTIVITIES IEEE- STUDENT BRANCH JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

Name of Event : Quiz on "Innovation and Patents"
Agenda : To help increase innovation, promote domestic patents, and achieve the policy's goals.

Description : A short quiz that aid in accomplishing the aims of the National IPR Policy. This entailed an increase in innovation and the patents created domestically.

Time and Date : 5 PM, 02 March 2023

Venue : Online



Name of Event : Tech Talk on IEEE Outreach Program Inspiring Opportunities

Description : Provided a valuable opportunity for students to learn about the opportunities and challenges of pursuing careers in technology and engineering.

Time and Date : 1 PM, 13 March 2023

Venue : LT3



Name of Event : Webinar on Blockchain : Building Trust in the Digital Age

Agenda : To provide students with a comprehensive understanding of blockchain technology.

Description : An online seminar that focuses on how blockchain technology can help build trust in the digital world.

Time and Date : 6 PM, 27 March 2023

Venue : Online



AMITY UNIVERSITY UTTAR PRADESH LUCKNOW

CAMPUS IEEE STUDENT BRANCH (STB99083)

Topic : International Seminar on " IOT Development: Challenges and Opportunities"

Date : 01st March 2023;

Time : 12:00 to 02:30 P.M

Speaker Name : ETB. Samuel Jigme Harrison Senior Member IEEE



Topic : " National Symposium on Technology for Social Welfare"

Date : 28th February 2023;

Time : 11:00 A.M. to 05:00 P.M

Speaker Name : Dr. P A Shirke , Senior Chief Scientist, NBRI Lucknow.



Topic : Guest Lecture on "Scope & Technologies of 5G/6G & Beyond"

Date : 27th February 2023;

Time : 12:15 P.M. to 02:00 P.M

Speaker Name : : Dr. Amar Choudhary Research Associate @ Amrita Vishwa Vidyapeetham, Bengaluru



Topic : Expert Seminar on "Developing a Career in the Field of Computer Science"

Date : 16th February 2023

Time : 12:30 P.M. to 02:30 P.M

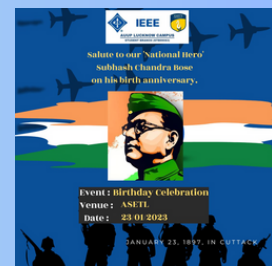
Speaker Name : Ms. Mitali Bhalla Software Engineer (SRE) RED HAT



Topic : " Birthday Celebration of Neta Ji"

Date : 23rd January 2023

Time : 09:30 A.M. to 12:30 P.M



Topic : " International Guest Lecture On "Recent Trends and Research Perspectives in VLSI"

Date : 16th January 2023;

Time : 02:30 P.M. to 04:00 P.M

Speaker Name : Dr. Sunil Kumar Ojha Research & Development Engineer @ Nordic Semiconductor, Norway



Topic : - " National Youth Day Celebration Cum Lecture"

Date : 12th January 2023;

Time : 12:00 P.M. to 01:00 P.M

Speaker Name : Dr. Kamlesh Kumar Singh Senior Member IEEE



Awards & Achievement



WILEY

Top Cited Article 2021-2022



Congratulations to:

Somak Bhattacharyya

whose paper has been recognized as a top cited paper* in:

RADIO SCIENCE

A Metasurface Based Gain Enhanced Dual Band Patch Antenna Using SRRs With Defected Ground Structure

*Among work published in an issue between 1 January 2021 – 15 December 2022.



Awards & Achievement

IEEE BBDITM STUDENT BRANCH CHAIRPERSON MR. HITANSH DWIVEDI Has selected as
the Designing
Team Member Of IEEE PES DAY 2023 & now volunteering at Global Level
&

Mr. Hitansh Dwivedi is recognized as the "BEST AMBASSADOR" for the "INTERNATIONAL
CONGRESS ON RECENT TRENDS IN COMPUTER SCIENCE-2023 (ICRCS-2023)"



IEEE BBDITM
STUDENT BRANCH

Congratulates

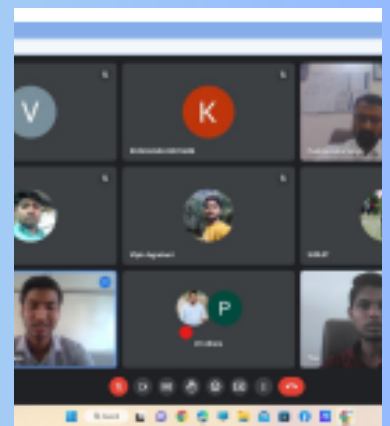
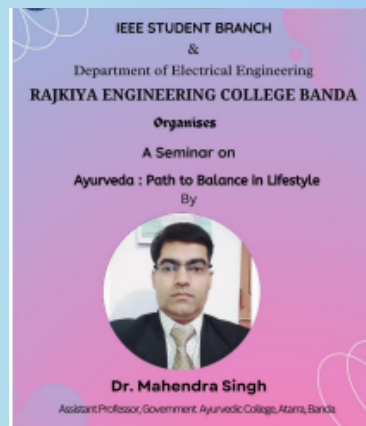
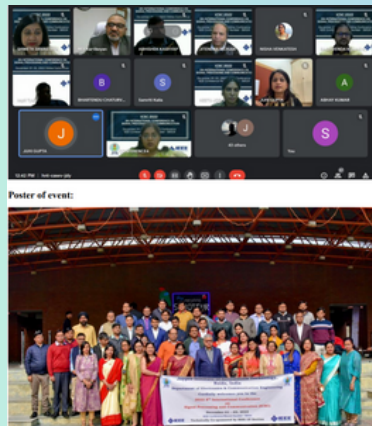
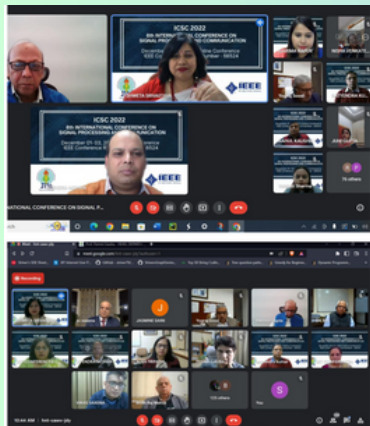


Hitansh Dwivedi

FOR SELECTED AS THE DESIGNING
TEAM MEMBER OF IEEE PES DAY
2023 AND NOW VOLUNTEERING AT
GLOBAL LEVEL



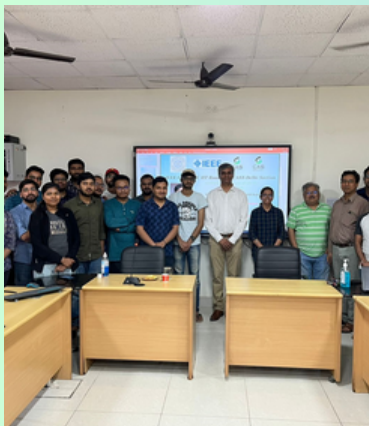
COLLAGE OF EVENTS



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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."



BHANU YADAV, SECRETARY SB & CHAIR PES IEEE BBDITM LUCKNOW

IEEE has provided me a great opportunity for volunteering and gaining technical knowledge. 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. "

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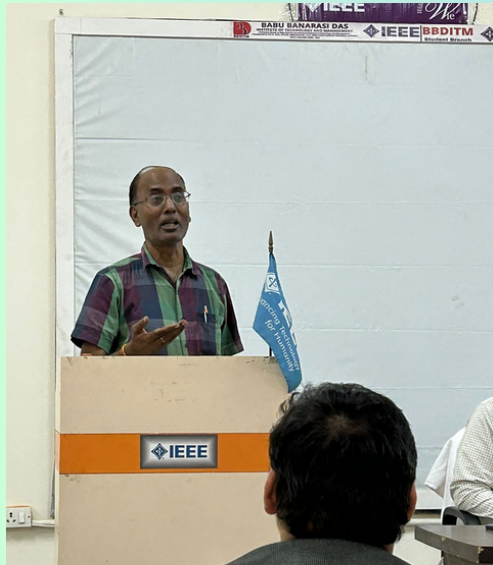
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IEEE BBDITM STB21041 Expert Talk





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