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IUSN

IEEE UP SECTION NEWSLETTER

2022



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.

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

I am glad to pen for the release of Vol.4 of IEEE UP Section Newsletter 2022. 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.



Dr. Akhilesh Tiwari **Section Secretary**

It is a matter of great pleasure to write something in our Newsletter 2022. This is a quarterly newsletter dedicated to the activities of IEEE Uttar Pradesh Section. As a team you are very consistent since its inception, and timely published. I want to first acknowledge the great team of leaders and editorial members for showcasing and publishing all around progress of our section. I think it is a window of quality information regarding our section, and to encourage the students, technical, and regular members. IEEE Uttar Pradesh Section is committed to serve the humanity through its activities spreading from professional activities to humanitarian and women strengthening. I convey my best wishes to the whole editorial team and the members of our section.



Dr. Kamlesh Kumar Singh **Senior Member IEEE SIGHT Group**

I would like to convey my sincere gratitude and thanks to the Chairman, IEEE UP Section Dr. Satish Kumar Singh, under whose able leadership IEEE UP Section has made outstanding progress and is continuously working to serve the humanity through IEEE goals and objectives. I really feel proud to be the part of this IEEE fraternity and will continue to contribute in humanitarian & professional activities through this platform. IEEE provide platform to fulfil our dreams. Stay focused, go after your dreams and keep moving towards your goals because future belongs to those who believe in the beauty of their dreams. I feel honoured to pen down few words for our IEEE Newsletter 2022. This newsletter has covered all the import activities of IEEE organised under IEEE UP Section throughout the year very beautifully. I congratulate the entire team of Newsletter for their tireless effort.



Dr. Rajat Kumar Singh (Chair)

**Electronic Communication
Activities**

It's my pleasure to present to you the fourth quarterly 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, Dr. Sumit Tiwari, 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 Fourth IEEE UP Sections Newsletter. I am blessed to present various achievements done by the IEEE UP Section in the fourth issue sixth vol. of 2022. 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. I look forward to continuing to work with my dedicated team of IEEE BBDITM. Wishing a great future.



Dr. Sumit Tiwari Editor

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

It gives me great pleasure to hand you the fourth issue of the quarterly newsletter published by the UP branch of the IEEE. I would like to express my sincere gratitude and thanks to the Chairman, IEEE UP Section, Dr. Satish Kumar Singh, who has initiated this concept, in addition to exploring educational programmes and offerings from IEEE in a variety of other new fields. IEEE is the largest technical professional organisation in the world, and it offers a number of ways to get involved with technical and local communities. This newsletter is one of those ways. In addition, I would like to use this opportunity to show my appreciation to Professor Rafik Ahmad, Dr. Rajat Kumar Singh, and all of the student volunteers who contributed their time to the preparation of this newsletter. A particular acknowledgement and gratitude is extended to each and every member for the significant contribution they made.

U.P. SECTION



EVENTS



IEEE UPCON-2022, IIIT ALLAHABAD

Event name- IEEE UPCON-2022, IIIT ALLAHABAD

TIMING- 2-4 DECEMBER, 2022

EVENT DISCRPTION

The 9th "IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2022)" is top level International Conference covering broad topics in the areas of Electrical, Computer and Electronics Engineering, will be organized this year by IIIT Allahabad, India. This conference will provide an excellent platform to the researchers to present their research work and is known as the UP-section's conference. The conference is technically and financially sponsored by IEEE UP Section. There are multiple tracks in the conference covering almost all areas of Electrical, Computer & Electronics Engineering. Uttar Pradesh Section is located in Region 10, and is represented at the India Council. The Section was formed on 11 May 1992. Prior to that, Uttar Pradesh had been a sub-section under the Delhi Section since 28 December 1970. IEEE UP Section interfaces with the industries and academia through various technical and humanitarian activities. This Section organizes various activities throughout the year. Conference Proceedings will be abstracted and indexed by IEEE xplora.



IEEE-PERA-2022

PERA22 is the third edition of the flagship event PERA (Power Engineering Research and Applications) jointly organized by the IEEE PES student branch chapter of IIT Kanpur from 17th to 21st October 2022. This year's theme was "Towards Sustainable & Resilient Power System" which focuses on clean energy and has led to a shift towards the need for a sustainable and resilient power system. This shift to renewable energy has its own challenges because of its intermittencies. PERA22 covers the state of the art of several present-day and future challenges and prospects related to grid resiliency. This workshop includes expert talks, panel discussions, and demonstrations of various simulators and tools from multiple reputed institutes and industries. We invite faculty members, practicing engineers, and students from across the globe to participate and benefit from this workshop. The lectures were delivered by prominent researchers around the world, including Prof. Anurag Srivastava, Prof. Francisco M. Gonzalez-Longatt, Prof. Anamika Dubey, Prof. Mukesh Nagpal, Prof. Bharat Singh Rajpurohit, Dr. Sanjeev Pannala, Prof. Ramakrishna Gokaraju, Prof. Trapti Jain, Dr. Gururaj Mirle Vishwanath, Mr. Sahil Garg, Dr. Ancha Satish Kumar, and Mr. Shamik Purkayastha. Finally, a panel discussion was also organized, whose panel members were Prof. Sri Niwas Singh, Prof. Saikat Chakrabarti, Dr. Swathi Battula, and Mr. Aby Joseph. They provided an excellent panel discussion and their analysis of various aspects of sustainability and resilient growth of power systems including challenges related to stability, control, and protection. A total of 79 participants from different institutes, including foreign Universities, IITs, NITs, and various institutes from India participated in the event.

IEEE Student Branch Chapter IIT Kanpur & IEEE PES Student Chapters Committee

POWER ENGINEERING RESEARCH & APPLICATIONS -2022

"Towards Sustainable and Resilient Power Systems"

17th - 21st October

Online, Zoom

Program Schedule

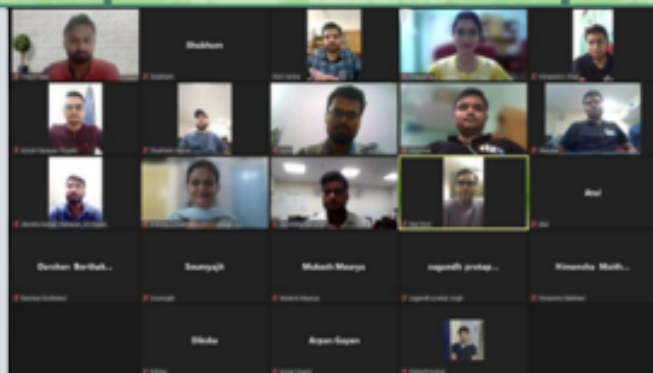
FIRST DAY OCT 17, 2022		
10:00 - 10:30 AM "Opening Ceremony" Chairpersons: Prof. Shukla, and Prof. Anurag Kumar Singh "IEEE PES for students and young professionals"	10:30 AM - 11:00 AM "AI and AIOT" Presented by: Anurag Srivastava, and Mr. Anand Shukla "Thinking towards sustainable and resilient power system: Challenges and future studies"	11:00 AM - 12:00 PM "Support talk" By Dr. Gururaj Mirle Vishwanath "System integrity Protection Schemes for Improving System Stability & Resiliency: CIGRE Perspective & Approach"
1:00 - 1:30 PM "Support talk" By Prof. Francisco M. Gonzalez-Longatt "System integrity Protection Schemes for Improving System Stability & Resiliency: CIGRE Perspective & Approach"	1:30 PM - 2:00 PM "Support talk" By Dr. Anamika Dubey "System integrity Protection Schemes for Improving System Stability & Resiliency: CIGRE Perspective & Approach"	2:00 PM - 3:00 PM "Support talk" By Prof. Anurag Kumar Singh "System integrity Protection Schemes for Improving System Stability & Resiliency: CIGRE Perspective & Approach"

SECOND DAY OCT 18, 2022		
10:00 - 10:30 AM "Support talk" By Dr. Sanjeev Pannala "Data driven Analytics to Assess Grid Operations"	10:30 AM - 11:00 AM "Support talk" By Dr. Ancha Satish Kumar "AIOT: Role of a Real Time Simulation in Energy Transition Era"	11:00 AM - 12:00 PM "Support talk" By Prof. Anurag Kumar Singh "Thinking towards sustainable and resilient power system: Challenges and future studies"

THIRD DAY OCT 19, 2022	
10:00 - 11:00 AM "Support talk" By Prof. Ramakrishna Gokaraju "Intelligent Islanding: Transient Stability Prediction and Controlled Islanding to Prevent Large Scale Blackout"	11:00 AM - 12:00 PM "Support talk" By Prof. Trapti Jain "Enhancing Distributed Generation for Resilient Operation of Power Grid"

FOURTH DAY OCT 20, 2022	
10:00 - 11:00 AM "Support talk" By Dr. Anurag Kumar Singh "Thinking towards sustainable and resilient power system: Challenges and future studies"	11:00 AM - 12:00 PM "Support talk" By Dr. Anamika Dubey "System integrity Protection Schemes for Improving System Stability & Resiliency: CIGRE Perspective & Approach"

FIFTH DAY OCT 21, 2022	
10:00 AM - 10:30 AM "Support talk" By Dr. Anurag Kumar Singh "Thinking towards sustainable and resilient power system: Challenges and future studies"	10:30 AM - 11:00 AM "Support talk" By Prof. Bharat Singh Rajpurohit "System integrity Protection Schemes for Improving System Stability & Resiliency: CIGRE Perspective & Approach"
11:00 AM - 12:00 PM "Support talk" By Dr. Anamika Dubey "System integrity Protection Schemes for Improving System Stability & Resiliency: CIGRE Perspective & Approach"	12:00 PM - 1:00 PM "Support talk" By Prof. Anurag Kumar Singh "Thinking towards sustainable and resilient power system: Challenges and future studies"



IEEE PES SBC TALK BY ENGR. SHAHRIAR AHMED CHOWDHURY

A team of six people from the Centre for Energy Research, United International University, Bangladesh visited IIT Kanpur for two days. During this visit, the IEEE PES SBC Talk was given by Engr. Shahriar Ahmed Chowdhury, Director, Centre for Energy Research, United International University, Bangladesh. After this, they interacted with IIT Kanpur students, and faculty, and also explore the facility available at IIT Kanpur.



IEEE PES SBC Talk by Engr. Shahriar Ahmed Chowdhury, Director, Centre for Energy Research, United International University, Bangladesh

IEEE STUDENT BRANCH CHAPTER IIT (BHU) VARANASI, 221005

Department of Electronics Engineering with collaboration of
IEEE AP-S, IEEE-MTT and IEEE AESS - Student Branch Chapters

Report on Technical Talk

Name of the Event : "Technical Talk on Frequency Selective Surfaces for Aerospace Applications: Radome, Antennas and RAS"

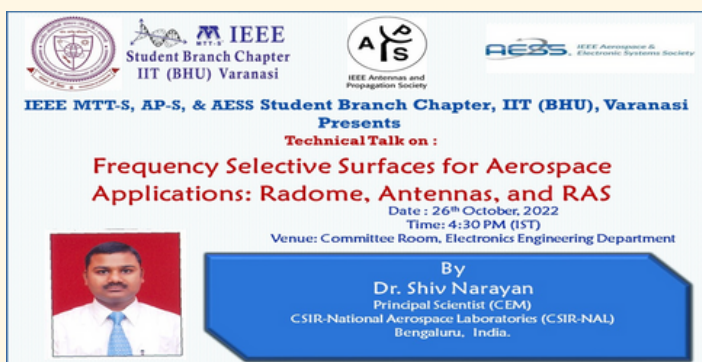
Date & Time : 26.10.2022 & 04:30 PM to 5:30 PM (IST)

Venue : Committee Room, Electronics Engineering

No. of Participants : 14 Students + Staff

About the Event

A one-day technical talk on "Frequency Selective Surfaces for Aerospace Applications: Radome, Antennas and RAS" was organized by Electronics Department at the Committee Room on Wednesday, 26.10.2022 at Indian Institute of Technology (BHU). Dr. Somak Bhattacharyya (Assistant Professor Electronics Engineering and Faculty Advisor IEEE-MTT-s (SBC)) had welcome the Keynote Speaker Dr. Shiv Narayan from CSIR-NAL, Bengaluru. On account of the technical talk on "Frequency Selective Surfaces for Aerospace Applications: Radome, Antennas and RAS", the resource person spoke briefly on Frequency Selective Surfaces & development with the recent technologies and also told about its applications. The technical talk was very interesting and gave the opportunity to discuss about the recent technologies on Aerospace Applications: Radome, Antennas and RAS. The program was successfully concluded by presenting memento as token of gratitude by Dr. Somak Bhattacharyya to the resource person. With a formal vote of thanks by Mr. Praveen Singh Rathore, the event has been concluded.




IEEE VOLUNTEERS MEET UTTAR PRADESH SECTION AT BBDITM LUCKNOW

EVENT NAME - IEEE UP SECTION STUDENT VOLUNTEER MEET in collaboration with IEEE BBDITM Student Branch.

Timing - from 11:00AM

Venue - Steppers Hall, BBDITM, LUCKNOW

Event Details :- The event was very interesting and informative for the young Student volunteers of IEEE. The session for taken by Mr. Ankit Yadav(IEEE UP Section Representative and Section Student Activities Member) who told about the IEEE, IEEE UP section the activities , who the Student and take benefits from the IEEE and then there was a High Tea for the Guests and Student Volunteers after that again the session starts in which the Team told the volunteer about the travel grants and various opportunities and benefits that can be grab by Active Student Volunteers then there was a Wonderful Lunch for all the Student Volunteers, team and the Guests then there was a cake cutting ceremony for the celebration and then the session continue at last there was a Q&A session in which the participants from all over the UP given the active response and clear there all the doubt and then there was a networking session in which all the volunteer meet with each other.



BABU BANARASI DAS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

IEEE BBDITM
Student Branch

IEEE SIGHT
SOCIETIES AND AFFINITY GROUPS

**Modular Multilevel Converter:
Operation and Control**

Dr. Ankit Yadav
Section Student Representative
(IEEE UP SECTION)
IIT KANPUR

07/11/2022

3:30pm to 5:00pm

Steppers Hall BBDITM, Lucknow

IEEE BBDITM

IEEE STUDENT BRANCH VOLUNTEERS MEET



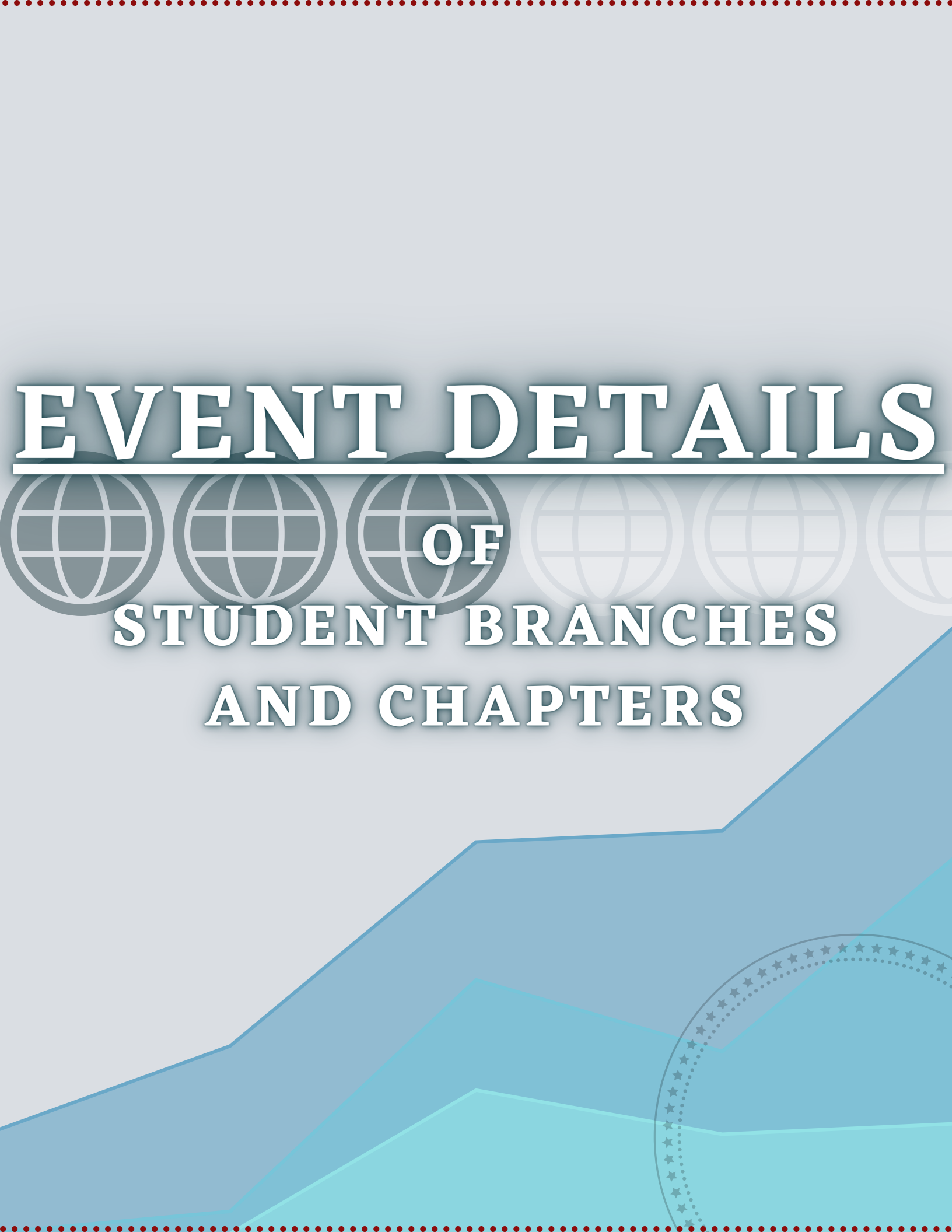
**BBDITM, E-Block,
Steppers Hall**

AGENDA ITEMS

1. ABOUT IEEE
2. MEMBERSHIP BENEFITS
3. EFFICIENT OPERATION OF SBS
4. BREAKOUT SESSION
5. IEEE VTOOL
6. OU ANALYTICS

NOTE: All the Participants will receive the certificate.





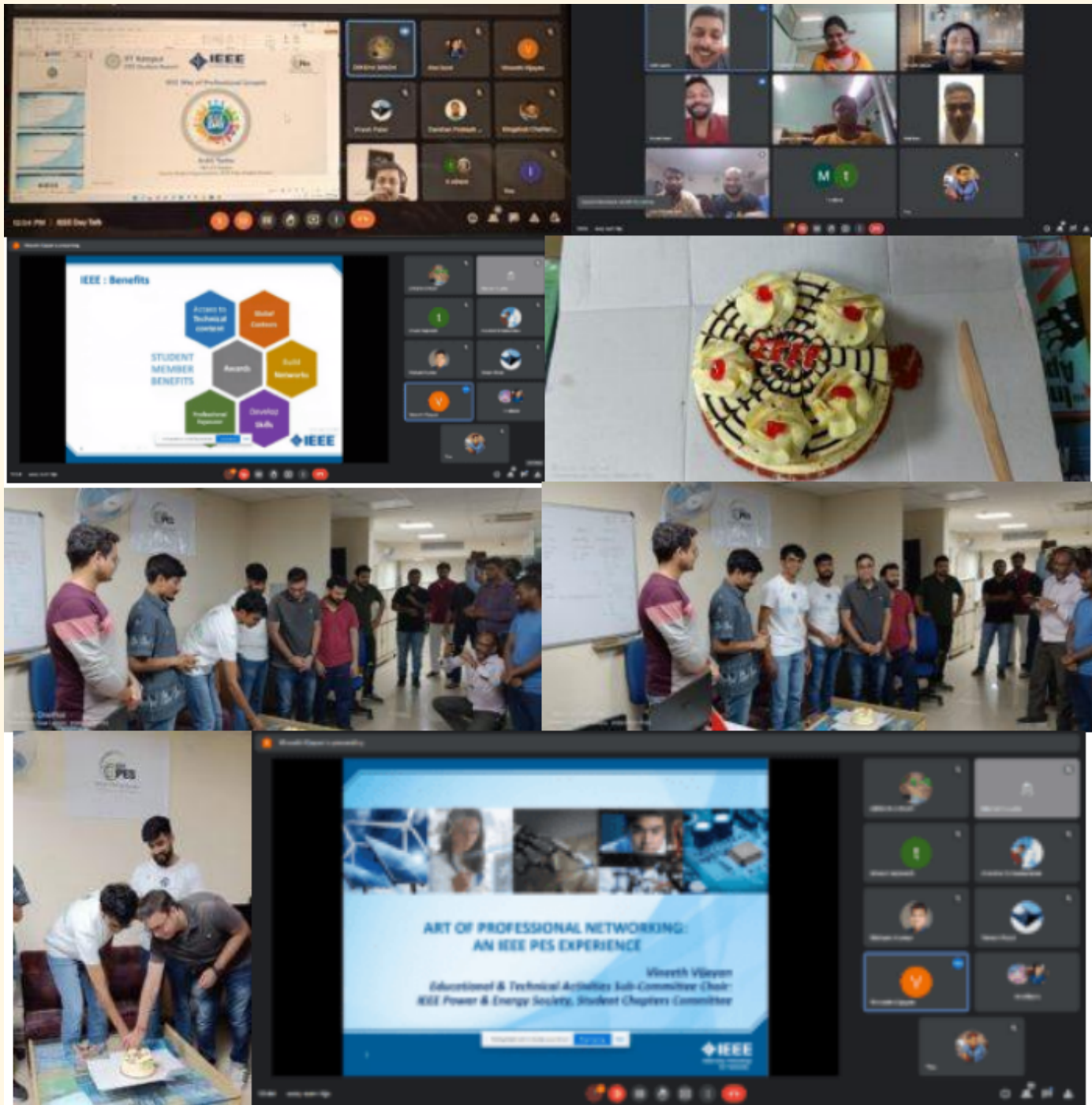
EVENT DETAILS

OF

STUDENT BRANCHES AND CHAPTERS

IEEE STUDENT BRANCH, IIT KANPUR

The IEEE Student branch, IIT Kanpur, celebrated IEEE Day 2022 with a series of events from 3rd October 2022 to 06th October 2022. These events were hosted jointly with student branch chapters of IEEE PES and IEEE MTT at IIT Kanpur. The events include: 1. A interactive webinar on 'The IEEE Day of Professional Development' by Dr. Ankit Yadav & Mr. Vineeth Vijayan 2. Membership development campaigns as a part of IEEE Day 2022.



IEEE Day Webinar by Dr. Ankit Yadav & Mr. Vineeth Vijayan and Membership development campaigns.

IEEE DAY CELEBRATION BBDITM STUDENT BRANCH, LUCKNOW

IEEE DAY 2022 CELEBRATION - DAY 1 - GENERAL TALK BY IEEE OFFICE BEARERS AND INSIGHT ON SIGHT

Share

"The best way to predict the future is to CREATE it."

Greetings of the Day!

IEEE BBDITM STB in association with IEEE BBDITM WIE-AG & IEEE BBDITM SIGHT is here with the Day-1 session "General Talk". The session will be focusing on insights of the Student Branch and all the societies i.e. WIE, SIGHT, PES, SPS & CS. The participants will be made aware with the visions and missions of IEEE BBDITM STB and its Societies.

Date:- October 2, 2022

Time:- 02:00 PM - 03:00 PM

IEEE DAY 2022 CELEBRATION - DAY 2 - IDEATHON COMPETITION

Ideathon by IEEE BBDITM

No. of participants- 8

Jury - Dr. Vipin Chandra Pal (NIT) & Dr. Kamlesh Kumar Singh (Amity University)

Topic - Rural Development in Modern India

Date - 03/10/22

Time - 2 pm - 4pm

Venue - Google meet

Participation certificate to every participant

Winner certificate to winners

All participants presented their ideas for Rural Development. A very interactive, innovative and interesting event.



IEEE DAY 2022 CELEBRATION ; DAY- 3 QUIZ COMPETITION "STEM INSIGHTS"

"The best way to predict the future is to CREATE it."

Greetings of the Day!

IEEE BBDITM STB in association with IEEE BBDITM WIE-AG & IEEE BBDITM SIGHT is here with the Day-3- Quiz Competition on the topic "STEM Insights". STEM aims at enabling students to utilize information & insights on the scientific field, technological area, engineering & mathematics.

Date: 04 Oct 2022

Time: 11:00 AM to 12:00 PM

IEEE DAY 2022 CELEBRATION ; DAY 4 - SLOGAN WRITING COMPETITION ON TOPIC - "BREAK THE BIASED NORMS"

"Our words have creative power. With our words, we can speak blessings over our future."

IEEE BBDITM STB in association with IEEE BBDITM WIE-AG & IEEE BBDITM SIGHT was organised the Day-4 event i.e. Slogan Writing Competition on the topic "Break the Biased Norms".

IEEE DAY 2022 CELEBRATION ; DAY 5- AWARD DISTRIBUTION

Greetings of the day!

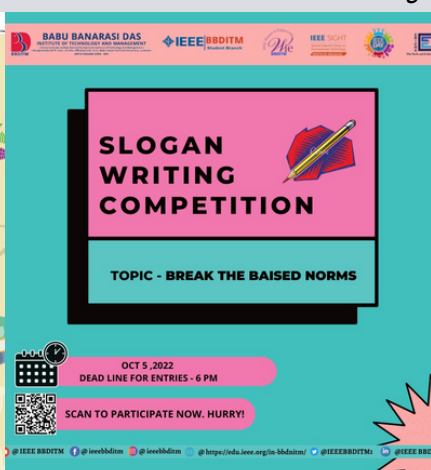
IEEE BBDITM STB in association with IEEE BBDITM WIE-AG & IEEE BBDITM SIGHT is here with the Day-5 i.e. "Award Distribution" of all the completion i.e. Ideathon Competition, Quiz Competition and Slogan Writing Competition which was held in virtual.

IEEE DAY 2022 CELEBRATION ; DAY-6 MEMBERSHIP DRIVE

"The best way to predict the future is to CREATE it."

Greetings of the Day!

IEEE BBDITM STB in association with IEEE BBDITM WIE-AG & IEEE BBDITM SIGHT was organised the Day-6 event i.e. "Membership Drive" for the development of student



AKTU SPORTS FEST IN COLLABORATION IEEE BBDITM STUDENT BRANCH, LUCKNOW

AKTU SPORTS FEST IN COLLABORATION WITH IEEE BBDITM (PLANNING)

Share

An ex-com meeting was held to plan the two days event which is AKTU Sports fest in collaboration with IEEE BBDITM. Distribution of work was done in the meeting responsibilities of all the volunteer members were told.

DAY 1: AKTU SPORTS FEST IN COLLABORATION WITH IEEE BBDITM

Share

The opening ceremony of the sports fest was held on day 1. Kulgeet and momento presentation was also done. A few sports such as volleyball, and chess were also commenced on day 1. Participation certificate was given to a few teams.

DAY 2: AKTU SPORTS FEST IN COLLABORATION WITH IEEE BBDITM

Share

The second day and the closing ceremony of the AKTU SPORTS FEST. large number of participants were seen on day 2 also. Students from all over Uttar Pradesh were present. Volunteers were assigned to the certificate distribution work. The remaining participation certificates were given to the participants.

AKTU SPORTS FEST IN COLLABORATION WITH IEEE BBDITM (AWARD CEREMONY)

Share

Award distribution to the winning teams was done on this day. Certificates and medals were provided by the volunteers to the winning teams.



AGM 2022 IEEE BBDITM STUDENT BRANCH, LUCKNOW

EVENT Name- IEEE BBDITM AGM -2022

DATE- 27/12/2022

TIMING - 11:00 AM - 1:00PM

Venue - SEMINAR HALL, BBDITM LUCKNOW.

Event Details:- This was a Annual General Meeting of IEEE BBDITM STUDENT BRANCH-2022 in which there was All the EX-Com Members, New IEEE Elected Team and guests. In the event first the anchors introduce about the IEEE Branch, then there was a award distribution for best EX-COM and volunteer, then the Ex-Vice Chair told about previous 2022 event of IEEE BBDITM in brief and then the New EX-COM got the joining letters and momentous with best wishes the newly Elected IEEE BBDITM CHAIR MR. Hitansh Dwivedi told about the IEEE and upcoming plans of IEEE BBDITM for year 2023 and then there was a photography session and great lunch with all the guests.

The whole event was excellent and very interactive.



ACTIVITIES- IEEE SRMCEM IEEE DAY CELEBRATION

1. IEEE Signal Processing Chapter Event

The IEEE Signal Processing Chapter of Shri Ramswaroop Memorial College of Engineering and Management, Lucknow celebrated IEEE Day 2022 on 11 Oct. 2022. The speaker of the program was Dr. Khadim Moin Siddiqui, Advisor, IEEE SRMCEM, Lucknow. In the program more than 100 students has participated and celebrated. The program was organized under the guidance of Prof. (Dr.) Bhavesh Kumar Chauhan, Director, SRMCEM, Lucknow and Chair, Membership Development Committee IEEE UP Section. The speaker has delivered very effective talk about importance of IEEE signal processing society in the development of society and at large for the humanity.



3. IEEE Power & Energy Society Chapter Event

The IEEE Power & Energy Society Chapter of Shri Ramswaroop Memorial College of Engineering and Management, Lucknow celebrated IEEE Day 2022 on 14 Oct. 2022. The speaker of the program was Prof. (Dr.) Bhavesh Kumar Chauhan, Chief Advisor, IEEE PES Chapter, SRMCEM, Lucknow. In the program more than 100 students has participated and celebrated IEEE Day 2022. In this program benefits of overall IEEE and IEEE PES had discussed by the speaker. In this program office bearers of IEEE SRMCEM Dr. InduPrabha Singh, Dr. Khadim Moin Siddiqui and Er. Sandhya Srivastava were also present.



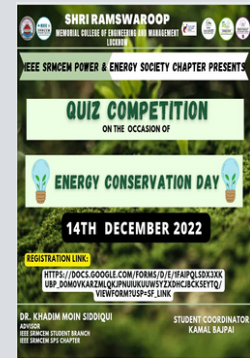
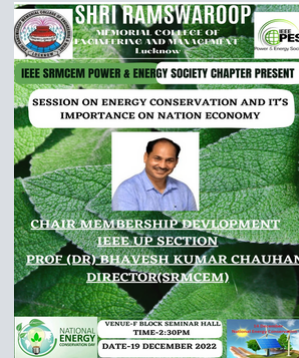
2. IEEE Women in Engineering Affinity Group Event

The IEEE Women in Engineering Affinity Group of Shri Ramswaroop Memorial College of Engineering and Management, Lucknow celebrated IEEE Day 2022 on 08 Oct. 2022. The speaker of the program was Er. Sandhya Srivastava, Advisor, IEEE WiE Affinity Group, SRMCEM, Lucknow. In the program more than 50 students has participated and celebrated IEEE Day 2022. The program was organized under the guidance of Prof. (Dr.) Bhavesh Kumar Chauhan, Director, SRMCEM, Lucknow and Chair, Membership Development Committee IEEE UP Section. In the program IEEE SRMCEM Advisor, Dr. Khadim Moin Siddiqui motivated students to join and participate via IEEE for development of Skills and Leadership.

IEEE SRMEC ACTIVITIES

National Pollution Control Day

The IEEE Power & Energy Society Chapter of Shri Ramswaroop Memorial College of Engineering and Management, Lucknow organized session on the occasion of National Pollution Control Day. The national pollution day is celebrated on 2 Dec. 2022. The speaker of the program was Er. Sandhya Srivastava, IEEE WiE affinity Group Advisor, SRMCEM, Lucknow. In the program more than 50 students has participated. The program was organized under the guidance of Advisor PES Chapter SRMCEM, Lucknow, Prof. (Dr.) Bhavesh Kumar Chauhan. Dr. Khadim Moin Siddiqui was also present in the program.



5. National Energy Conservation Day

The IEEE Power & Energy Society Chapter of Shri Ramswaroop Memorial College of Engineering and Management, Lucknow organized sessions on the occasion of National Energy Conservation Day and the program was celebrated on 14 Dec. 2022. The speaker of the program was Prof. (Dr.) Bhavesh Kumar Chauhan, Advisor, IEEE PES Chapter, SRMCEM, Lucknow. In the program more than 200 students had participated. In this program office bearers of IEEE SRMCEM Dr. Indu Prabha Singh, Dr. Khadim Moin Siddiqui and Er. Sandhya Srivastava were also present.

6. Seminar on Higher Education in Aboard

The IEEE Women in Engineering Affinity Group of Shri Ramswaroop Memorial College of Engineering and Management, Lucknow has organized seminar on Higher Education in Abroad. In the program more than 100 students has participated. The speakers Ms. Mishra and Ms. Chauhan were from Global Reach Consultancy



8. Innovation Day Celebration 2022

The IEEE women in engineering affinity group of Shri Ramswaroop Memorial College of Engineering and Management, Lucknow organized Abstract Writing Competition on "The life of Dr. APJ Abdul Kalam" on 15th October 2022.



IEEE SRMCEM EMBEDDED SYSTEM

Organizing Unit : IEEE SRMCEM STB

Date : 27th-28th November,2022

Venue: C block SRMCEM

The IEEE Student Branch of Shri Ramswaroop Memorial College of Eng & Mngnt, Lucknow ,U.P., India in collaboration with Sofcon Ltd. India organized a session on ,”Embedded Systems “.

Day 1 : started with basics of real time operating system followed by demonstration of mini projects such as sensor guided robotics, automated irrigation system using a wireless sensor, automatic room light controller with visitor counter .

Day 2 : was based on imparting knowledge about programming and system control to perform a specific task. Encouraged students to take interest in making their own projects and come up with new ideas for the betterment of the society .

The feedback of the event was excellent, such initiatives provide volunteers to explore their domain of interest and help them in their growth which in turn will benefit the society.



**Prepared by-
Preet Dixit**

Vice Chair, IEEE SRMCEM STB(STB99408)

JSS ACADEMY OF TECHNICAL EDUCATION NOIDA(SBC05571)

IEEE JSSATEN Continuing Education Camp 1.0: Getting Started with Ideation

Agenda: The event was conducted under the scheme of "Reaching Local initiative" of R10 Education activities on 2nd November 2022 through which our coming generation shows their hunger to bring a change through their innovative ideas and society gets to know about student's innovation in various fields like industrial, health care, women empowerment. Our primary aim is to make students learn that how to form or design any creative idea from any possible object and contributes to their personal growth, secondly, we aim to promote IEEE by conveying all the participants about the endless benefits of IEEE which one can enjoy throughout his/her life which also boost our membership program.

Description: IEEE CONTINUING EDUCATION CAMP 1.0 presents "GETTING STARTED WITH IDEATION" on 1 November, 2022. There was an inauguration ceremony where Dr. Preeti Bajaj was our chief guest. Currently she is serving as a Secretary of India Council, Subsection chair (proposed), Member CGAA EAB standing committee, Member India Strategic Initiative 2017 Committee appointed by President IEEE. There was Dr. Gunjan Varshney ma'am Chapter Advisor, IEEE WIE JSSATEN., and Dr. Sanjeev Kr Sharma, HOD EE and other faculty members.

The program started with the Ganesh Vandana and was followed by the lamp lighting. After the great inauguration ceremony refreshment was provided to all the participants. In the next half, the event started with a great interactive session of quiz competition which was organised by Dr. Gunjan Varshney and Harshit Garg on the topic "About IEEE". The winners of the quiz competition were awarded with exciting IEEE goodies.

Moving on further, rules of the competition were announced to the participants. There was division of themes and problem statements were allocated to all the participants. Participants were divided into teams of maximum four members and they were provided with a problem statement of which they had to make a professional statement in the allocated time. Next day i.e., 02nd November 2022, at first half our program started with the welcome ceremony of our guest speaker Mr. Ramneek Kalra. He is a Computer Science Engineer & Initiative-taking Volunteer at numerous organisations namely IEEE, Youth for Sustainability, Atal Innovation Mission (NITI Aayog, Govt. of India), Human Circle (Young India Challenge). He is an IEEE Young Professional. The topic of the session was "DESIGN THINKING". It was attended by 50-60 students. Students were called upon to present what they had learned, and they were rewarded with various IEEE goodies. The session was very interactive and informative and enjoyed by everyone.

Winners of Presentation were as follows

1st prize-Abhimanyu Singh, Harshit Garg

2nd prize-Ankita Patel and Bhagya Shree

3rd prize -Abuzar, Anam Elahi and Danish Abdullah

·Advisory:

Dr. Sanjeev Kumar Sharma, Head, Department of Electrical Engineering

Dr. Gunjan Varshney, Branch Counsellor, IEEE SB JSSATE Noida

·Organizing Team

o Shivam Gupta

o Vineeta Kumari

o Ankit Gupta

o Harsh Mishra

o Chandransh

o Abhimanyu Singh

o Devesh Singh

·Time and date

Day 1: 01/11/2022

10:30AM - 12:30PM -> Inauguration Ceremony (Chief Guest Dr. Preeti Bajaj)

12:30PM - 1:30PM -> Lunch Break

1:30PM - 3:30PM -> Team Division and Problem Statement Allocation

Day 2: 02/11/2022

10:30PM - 12:30PM -> Design Thinking Session (By Mr. Ramneek Kalra)

12:30PM - 1:30PM -> Lunch Break 01:30PM - 3:30PM -> Presentation Round

4:00PM - 5:00PM -> Closing Ceremony and prize distribution

Venue: Room no.- 301, Academic Block-3 (EE Department), JSS Academy of Technical Education Noida- 201301



JSS ACADEMY OF TECHNICAL EDUCATION NOIDA(SBC05571) WIE AFFINITY GROUP

Name of Event: Youth Ideathon

Agenda: Youth Ideathon, the event conducted by IEEE WIE JSSATEN, under the scheme "Reaching Local Initiative" of R10 Educational activities on 3rd November 2022, which aimed at bringing new ideas and innovations from the students along with the supporting presentations in their field. The main agenda of the event is to boost the confidence of youths by providing them a platform at a level where they can showcase their hard work and creativity and grow our special them on women empowerment also give a rise in the IEEE women in engineering community and society.

Description: On 2nd Nov 2022 there was a welcoming ceremony for our jury members after that there was a pitching round for the ideas of participants where the Jury members were Dr. Anuradha ma'am, Assistant Professor at Netaji Subhas Institute of Technology. Experienced Academician & Researcher, Senior Member IEEE, IEEE Brand Ambassador, And Dr. Gunjan Varshney Chapter Advisor, IEEE WIE JSSATEN. Out of 15 teams, 7 were selected for the presentation round of next day. On 3 Nov 2022 which was the next day of Our program there was a welcoming ceremony for our jury members after that there was a presentation round where Jury members were Dr. Amit Kumar Roy, Mr. Udit Mittal, and Mr. Arvind S. Rao, Mentor JSS STEP, CEO - FOUNDER - IVEDA INDIA. Out of 10 teams, the Top 3 were selected as the winning teams

1st team: Abhimanyu Singh(CSE 3rd year)

Harshit Garg (EE 3rd year)

Sadhana Verma (EE 3rd year)

2nd team: Ankit Gupta (EE 3rd year)

3rd team: Ujjawal Saxena (EE 3rd year)

Two more teams were selected as the consolation prize goes to the team consisting of Bhagya Shree (EE 3rd year) & Ankita Patel(EE 3rd year) and a team consisting of Devendra Singh (EE 3rd year) and Jayanti Kumar (EE 3rd year)

Advisory

Dr. Sanjeev Kumar Sharma, Head, Department of Electrical Engineering

Dr. Gunjan Varshney, Faculty Co-ordinator IEEE WIE JSSATE Noida

Organizing Team

- o Vineeta Kumari
- o Shivam Gupta
- o Ankita Patel
- o Harshit Garg
- o Bhagya Shree
- o Sadhana Verma
- o Devendra Singh
- o Gaurav Gupta

Time and date: 03rd November, 2022 from 1:00 pm – 5:00 pm

Venue: Room no.- 209, Academic Block-3 (EE Department), JSS Academy of Technical Education, Noida- 201301



RAJKIYA ENGINEERING COLLEGE BANDA (STB11533)

Name of Event : A "MATLAB" Quizzarie on 38th IEEE Day

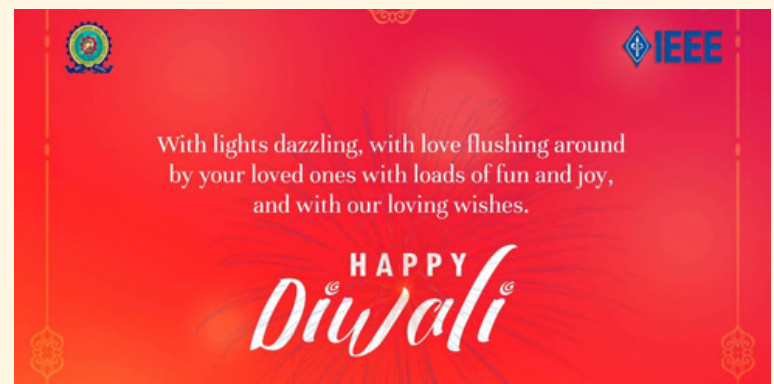
Agenda : To make students aware about the techniques of MATLAB.

Description quiz motivates the learners, help them remember that what they learned, and assess what they learned. Quizzes can help to recall information and get better grades. The main purpose of the event was to make aware students about MATLAB and simulation-related necessary information. On the occasion of 38th IEEE Day, a quiz on MATLAB was organized by the IEEE Student Branch Rajkiya Engineering College Banda On October 4, 2022 to test the basic understanding of MATLAB development environment and language syntax. Some of the questions were asked in the quiz: Which software is used for numerical computing. Output of different codes of MATLAB, About different function used in MATLAB, About simulation. The quiz was full of basics about MATLAB software, Pspice, numeral computing, about automation in electrical power system, different function, simulink and more. **Benefits:** It was very informative and knowledge-enriching competition for the participants. The virtual platform-based competition gives a better experience to the participants. The participants got to know MATLAB & simulation-related necessary information. Overall, the event was successful, & the IEEE student branch team is looking forward to organizing more such events in the future. With the help of student coordinators both institutes Rajkiya Engineering College Banda & Buddha Institute of Technology Gorakhpur, the event was conducted successfully.

Celebrating the festival of lights, various events were conducted depicting the importance of festivals in our culture & in our lives. Various cultural events that took place, was a small initiative to acknowledge our culture and its beauty. The main motive of the event was to promote technological advancement along with cultural enrichment. Along with the celebration, some events spreading awareness were also conducted. Overall, the event was a great success and the team is looking forward to conducting more such events in future.

Time: 5:00 pm

Venue: Seminar Hall, REC Banda.



Name of Event : Celebration of "UNITY DAY" on 31 October 2022

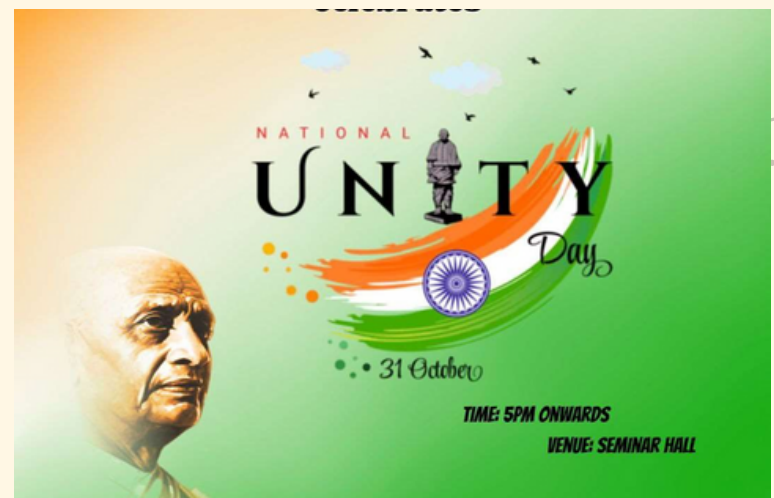
Agenda : To make students aware about the importance of Unity Day

Description

A celebration on the auspicious occasion the was conducted on 31 Oct 2022 under the banner of IEEE Student Branch, Rajkiya Engineering College Banda. Celebrating UNITY day, various events were conducted depicting the importance of festivals in our culture & in our lives. Various cultural events that took place, was a small initiative to acknowledge our culture and its beauty. The main motive of the event was to promote technologic

Time: 5:00 pm

Venue: Seminar Hall, REC Banda.



Name of Event : Celebration of "DIWALI" on 21 October 2022

Agenda : To make students aware about the importance of the festival of lights.

Description

A celebration on the auspicious occasion of Diwali was conducted on 21 Oct 2022 under the banner of IEEE Student Branch, Rajkiya Engineering College Banda.

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES DEHRADUN (STB10991)

Name of Event Club Exhibition/Fair

Agenda To showcase the work of IEEE through the years and gather interested people.

Description

A fair was organized by the University to showcase the work of various clubs. IEEE UPES displayed an itinerary of successful events conducted in the past along with its results. On the other hand, a lot of new ideas were also pitched and interested people gathered to fill out for registrations. IEEE scored 75+ registrations in the fair. Time and date 17 September 2022 10-1 pm; 2-5 pm Venue UPES Kandoli Campus; UPES Bidholi Campus (MAC)

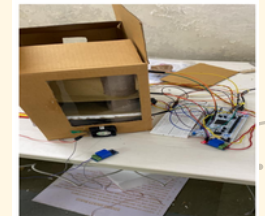


Name of Event Embedded Control Systems

Agenda Workshop-cum-Hackathon to teach about Embedded and control systems; competition.

Description

First, a two-day workshop was organized by IEEE. The basis of Digital signal processing was taught on day 1 along with different control measures to be taken care of while building up any project. On day two, different professors of expertise taught students about embedded systems and control systems. Also, a project set-up was shown which had an open-ended and a close-ended part. On the day of the Hackathon, Participants had to meet the threshold of the task and then modify it on basis of their skills. They were required to make a temperature-controlled system. Rewards were provided accordingly to the position holders. Time and date 16th to 19th November 2022 10 to 5 pm (daily) Venue Robotics Lab, UPES Bidholi Campus



Amity University Uttar Pradesh Lucknow Campus IEEE Student Branch (STB99083)

Amity University Uttar Pradesh Lucknow Campus IEEE Student Branch (STB99083) conducted various events under the coordinatorship of Dr Kamlesh Kumar Singh, Senior Member IEEE, whose details are given below:

1.Title of the Event – " HANDS ON LEARNING ON MATLAB: ELECTRIC VEHICLE CHARGING AND BATTERY MANAGEMENT SYSTEM"

Date: 10th December 2022; Time: 10:00 A.M. to 05:30 P.M

Keynote Speaker :

Dr. Sanjiv Kumar, Associate Professor, Department of Electrical Engineering, HBTU, Kanpur, UP

2.Title of the Event – " ROADMAP TO GRAB HIGH PACKAGE JOBS IN IT INDUSTRY"

Date: 18th November 2022; Time: 02:00 P.M. to 31:00 P.M

Keynote Speaker : Mr. Prateek Bajpai, Software Development Executive @ Comvault

 IEEE Humanitarian Activities Committee	 IEEE SIGHT Special Interest Group on Humanitarian Technology	 IEEE Humanitarian Activities Committee	 IEEE SIGHT Special Interest Group on Humanitarian Technology
TOPIC HANDS ON LEARNING ON MATLAB: ELECTRIC VEHICLE CHARGING AND BATTERY MANAGEMENT SYSTEM DATE - DECEMBER 10, 2022 TIME - 10:00 A:M - 01:30 P:M VENUE- AB1, MATLAB LAB MODERATOR DR. NEHA GUPTA Assistant Professor ASET, Lucknow Campus Technical Sponsors IEEE AUUP Lucknow Campus Student Branch (STB99083) & IEEE SIGHT UP Section	GUEST SPEAKER  DR. SANJIV KUMAR Associate Professor Department of Electrical Engineering HBTU Kanpur	TOPIC ROADMAP TO GRAB HIGH PACKAGE JOBS IN IT INDUSTRY DATE - NOVEMBER 18, 2022 TIME - 2:00 P:M - 3:00 P:M MODERATOR DR. KAMLESH KUMAR SINGH Senior Member IEEE DR. ATUL SRIVASTAVA Member IEEE Technical Sponsors IEEE AUUP Lucknow Campus Student Branch (STB99083) & IEEE SIGHT UP Section	GUEST SPEAKER  MR. PRATEEK BAJPAI Software Development Executive @ Commvault

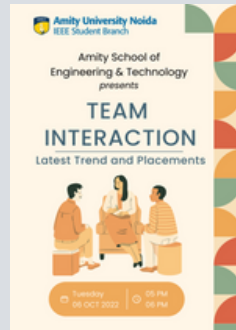
AMITY UNIVERSITY NOIDA IEEE STUDENT BRANCH (STB07271)

1 Topic-Team Interaction

Event Type-Discussion

Date-4 October 2022

Time-2 PM onwards

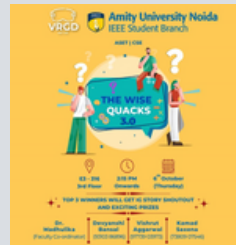


2 Topic-Wise Quacks 3.0

Event Type-Quiz

Date-6 October 2022

Time-2 PM onwards



3 Topic-Secrets of Engineering 2.0

Event Type-Seminar

Date-6 October 2022,

Time-2 PM onwards

Speaker Name-Ishan Sharma

Designation-Graduate Engineer Trainee

Organisation-Alumni of CSE, ASET 2021



4 Topic-Knockout Valorant Tournament

Event Type-Gaming Competition

Date-14 - 16 October 2022



5 Topic-Rangoli Competition

Event Type-Design Competition

Date-17-21 October 2022



6 Topic-Wise Quacks 3.0 Round 2

Event-TypeQuiz

Date-20 October 2022,

Time-2 PM onwards



7 Topic-IEEE 10th International Conference on "Reliability, Infocom Technologies and Optimization (Trends and Future Directions) Inaugural Ceremony

Date-13.10.2022

Time-9:30 AM-11:50 AM

Speaker Name-Prof. S. K. Singh,

Dr. G. Athithan, B. D. Nagchaudhuri

Dr Broumi Said,

Designation-IIIT Allahabad,

Section Chair IEEE UP Section, India

Organistaion-Chair of DRDO at CAIR.

Laboratory of Information Processing, Faculty of Science Ben

M'Sik, University Hassan II, Casablanca, Morocco.



8 Topic-IEEE 10th International Conference on "Reliability, Infocom Technologies and Optimization (Trends and Future Directions) Valedictory Ceremony

Date-14.10.2022

Time-3:00 PM-4:40 PM

Speaker Name-Mr. Ishvinder Singh,

Prof. (Dr.) Arun Somani

Dr. P.K Saxena

Designation-India Lead- NetAcad & Skills, Social Innovation

Group, CISCO on behalf of Ms. Marcella O'Shea, Regional

Manager Asia Pacific Japan China Region, Corporate Affairs,

CISCO

Organisation-Senior Associate Dean, College of Engineering

Anson Marston Distinguished Professor Philip and Virginia

Sproul Professor Department of Electrical and Computer

Engineering Iowa State University, Ames, IA

Adviser, PSA Office and Former Outstanding Scientist &

Director at Systems Analysis Group (SAG), DRDO



AMITY UNIVERSITY NOIDA IEEE STUDENT BRANCH (STB07271)

NOVEMBER EVENT

1 Topic-Introduction to JavaScript (Web Link Development)

Date-2nd Nov. 2022

Time-4:00 pm to 5:00 pm

Speaker Name-Mr. Pankaj Kumar Kumawat

Designation & Organization-Computer Scientist Adobe System



2 Topic-Children's Day Celebration

Date-14th Nov. 2022

Time-4:00 pm

Speaker Name-Mrs Indu Lochar

Designation & Organization-Principal, Sai School



3 Topic-Competitive Examination on International Studies and Indian Management Entrances

Date-17th Nov. 2022

Time-11:00 am to 1:00 pm

Speaker Name-Mrs. Jyoti Saxena

Mrs. Dipali Bhargava

Mrs. Vinita Singh -

Designation & Organization-Sr Faculty Verbal



4 Topic-Data Science Workshop

Date-18th Nov. 2022

Time-3:00 pm to 5:00 pm

Speaker Name-Mr. Jitendra Kumar

Designation & Organization-Data Scientist APPWARS Technologies



5 Topic-Awareness of Latest Technologies used in Industry

Date-22nd Nov. 2022

Time-12:00 pm to 2:00 pm

Speaker Name-Mr. Rohit Kapoor

Designation & Organization-Chief Executive Officer - SK Info Techies



6 Topic-Consortium of Women Entrepreneurs of India

Date-23rd Nov. 2022

Time-2:00 pm to 5:30 pm

Speaker Name-Dr Shashi Singh

Ms Priya Rao

Ms Jyoti Kumari

Designation & Organization-Chairperson

Practice Focus: Trademarks

Practice Focus: Patents (Biotechnology and Biosciences)

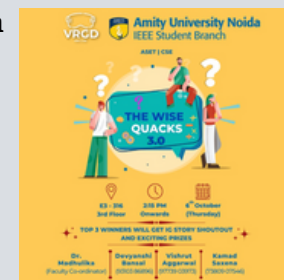


7 Topic-Wise Quacks 3.0 Participation and Prize Distribution

Event Type-Quiz

Date-17 November 2022,

Time-2 PM



DECEMBER EVENT

1 Topic-Introduction to Cybersecurity

Event Name-Webinar

Date-19 December 2022,

Time-4 PM

Speaker Name-Umadevi Yandamuri

Designation & Organization-Cybersecurity Trainer, Cyberbit Certified Ethical Hacker



2 Topic-Digital Circuit Design

Date-10th Dec 2022

Time-10:15 am to 12:00 pm

Speaker Name-Mr. Sandeep Singh

Designation & Organization-Software Engineer, Paytm



TELECOM MINISTER ASHWINI LAUNCHES INFIBHARAT ENCRYPTION

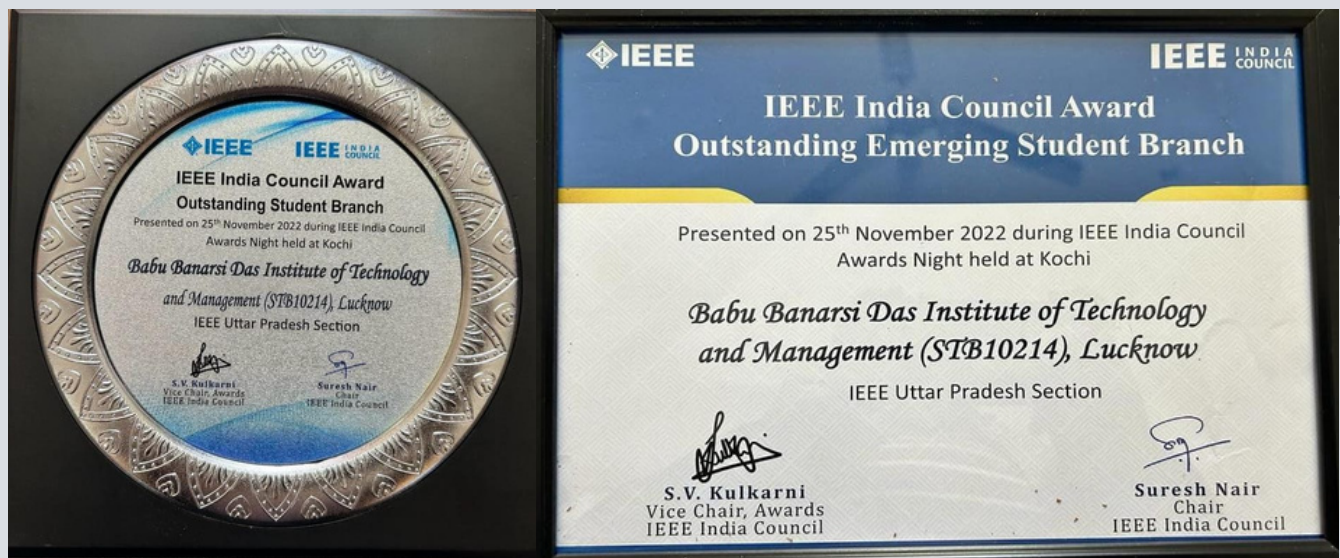
India Mobile Congress, Day 2 witnessed technological leap with historic launch of 5G and indigenous use cases. Shri Ashwini Vaishnaw, Hon'ble Minister for Communications, Electronics & Information Technology and Railways, Government of India, launched InfiBharat , an indigenous encryption technique developed by Infinity Labs Ltd. It is a Make in India Security solution launched under Atmanirbhar Bharat drive of the government of India, showcasing Indian technical strength synchronised to global standards. Infinity Labs Ltd is a technology company with a clear vision to Innovate, Automate and Secure the Networks. The inaugural session was also hosted by Senior IEEE member and CTO, Infinity Labs Ltd Mr. Mohit Saxena. The minister also inaugurated the VoICE Atmanirbhar Pavilion, comprising of 22 member companies. Infinity labs is the market leader in SDWAN, NGFW and Network Automation Solutions and is a privileged member of VoICE group as it brings together the best of breed companies contributing to make in India mission and collaborating into multiple 5G use cases for revolutionizing the connectivity solutions in the country. The Solution has the major security advantage of being indigenous and the source code for the method and key rotation logic remains private. This decreases the attack surface to minimum, making it the most secure encryption for Indian networks. The solution is designed keeping in mind the high throughputs and minimal latency requirement of 5G and it seems to be taking up the challenge positively. This encryption shall be made available in INFINXT SDWAN and INFIWALL Firewall offerings from Infinity Labs as communicated by Mr. Mohit Saxena. Mr. Rakesh Goyal, CEO, Infinity Labs said, “ The launch of InfiBharat marks the beginning of new era of self-reliance in security and encryption domain” Mr. Mohit Saxena, CTO, Infinity labs Ltd said, “InfiBharat is an indigenous security encryption solution under Atma Nirbhar Bharat mission and marks our ahuti towards this mahayagya”



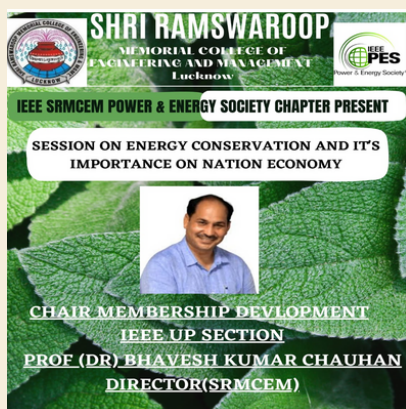
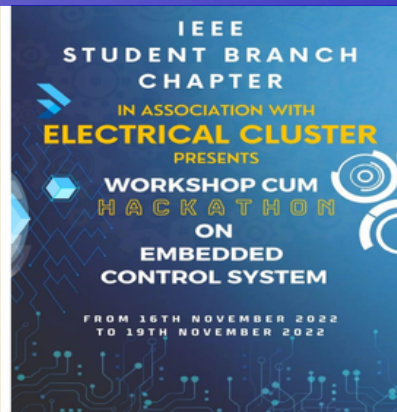
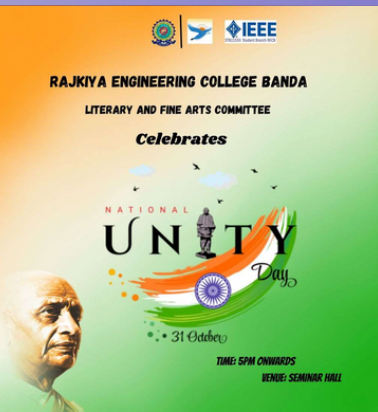
AWARD & ACHIEVEMENTS

I have great pleasure in informing you that the Student Branch of Babu Banarsi Das Institute of Technology & Management, Uttar Pradesh Section, has been selected for the " Outstanding Student Branch Award" of IEEE India Council."

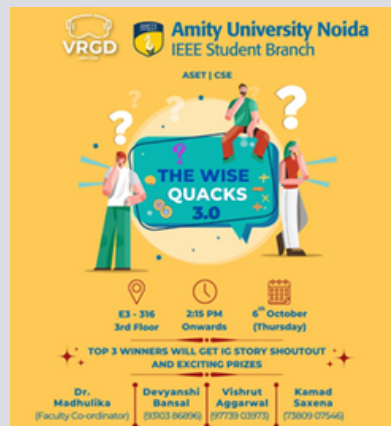
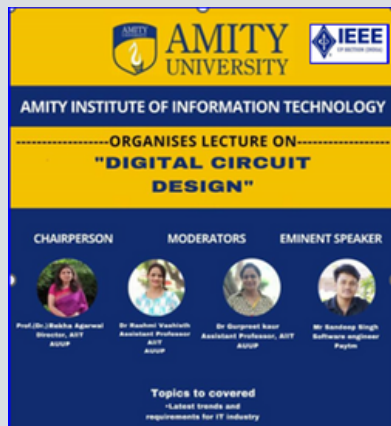
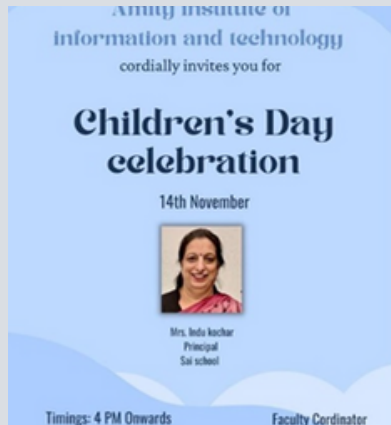
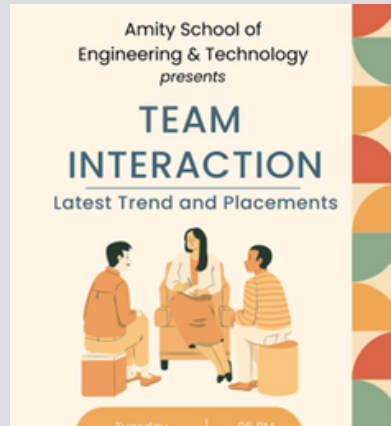
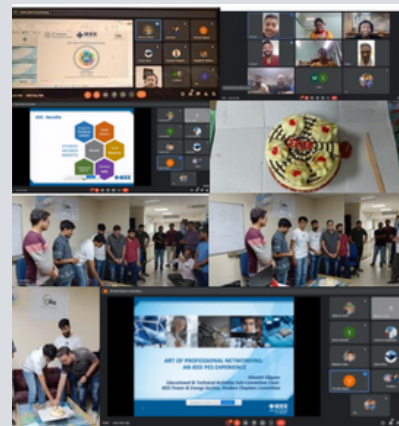
*-Prof. S.V. Kulkarni
Vice Chair -Awards, IEEE India Council*



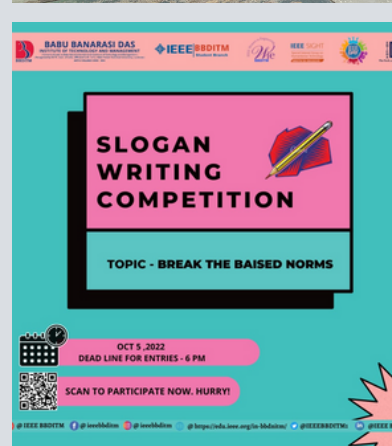
COLLAGE OF EVENTS



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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

"It's my privilege to be a part of IEEE, it helped me in developing my communication skills, technological skills and my personality development also it provided me a good career growth opportunities."



SRISHTI VERMA, CHAIR WIE AFFINITY GROUP IEEE BBDITM LUCKNOW

"Its my previlage to be a part IEEE as well as WIE , which is STEM area for women and girls. It also provides us a platform to enhance my public speaking skills , personality development and many more. IEEE will give us the opportunities and resources we need in the most successful way to enrich out lives. "



ANUPAM SINGH ,CHAIR SIGTH GROUP IEEE BBDITM LUCKNOW

"Being a part of the IEEE and the SIGHT group will definitely help me over the time to enhance and add to my knowledge over the technological development in different sectors as well as for humanitarian causes too."



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. "



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

"Being a part of 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, it gives me volunteering opportunity and build up my leading experience."

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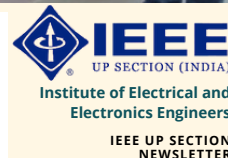


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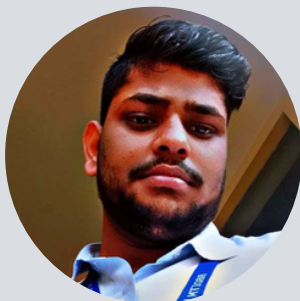
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