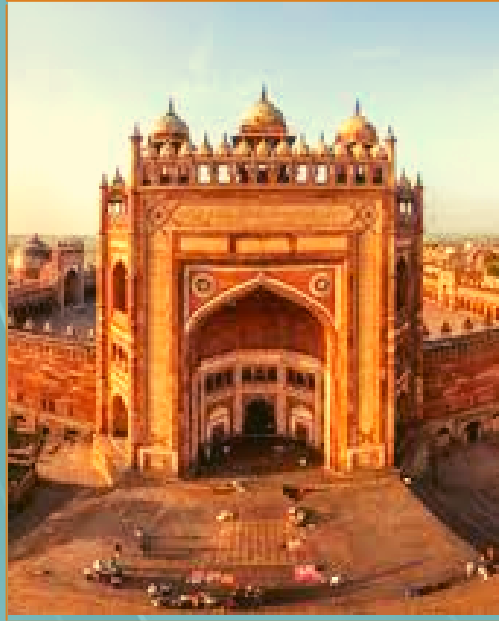


IUSN

THE OFFICIAL IEEE UTTAR PRADESH SECTION NEWSLETTER



GORAKHNATH TEMPLE-GORAKHPUR



FATEHPUR SIKRI-FATEHPUR



BUDDHIST PILGRIM-KUSHINAGAR

ABOUT IEEE UP SECTION

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.

MISSION STATEMENT

In order to fulfill IEEE's mission of advancing the theory and practice of electrical, electronics, communications and computer engineering, as well as computer science and related areas, Region 10 activities are directed to developing and maintaining regional entities for the best interests and benefits of the IEEE members in the region.

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IEEE
UP SECTION (INDIA)

OFFICE BEARERS OF 2021



PROF. S. N. SINGH
IMMEDIATE PAST- CHAIRMAN, INDIA COUNCIL
EE DEPARTMENT, IIT KANPUR



DR. SATISH K. SINGH
CHAIRMAN, IEEE UP SECTION
IT DEPARTMENT, IIIT, ALLAHABAD



PROF. ASHEESH KUMAR SINGH
IMMEDIATE PAST CHAIR, IEEE UP SECTION
EE DEPARTMENT, MNNIT ALLAHABAD



PROF. MOHAMMAD RIHAN
VICE-CHAIR, IEEE UP SECTION
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DR. ABHEEJEET MOHAPATRA
VICE-CHAIR, IEEE UP SECTION
EE DEPARTMENT, IIT KANPUR



DR. PRABHAKAR TIWARI
SECRETARY, IEEE UP SECTION
EE DEPARTMENT, MMMUT,
GORAKHPUR



DR. SEEMA AWASTHI
TREASURER, IEEE UP SECTION
IIT KANPUR



MR. K. C. MISHRA
JOINT SECRETARY, IEEE UP SECTION
WIT, DEHRADUN

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- 5th Executive-Committee Meeting
- 6th Executive-Committee Meeting
- 7th Executive-Committee Meeting

List of Newly Formed Senior Members

Award Winner

Events of Student Branches

- Babu Banarasi Das Institute of Tech. & Management – Lucknow
- Indian Institute of Technology, Kanpur
- Babu Banarasi Das Institute of Tech. & Management – Lucknow
- Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow
- Indian Institute of Technology BHU, Varanasi
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- Amity University – Lucknow etc.
- Non-Technical Articles

Benefits of IEEE

Editorial Board

Students Editorial Board



MESSAGES



DR. SATISH KUMAR SINGH

CHAIRMAN, IEEE UP SECTION

Highly proud moment to know that the electronic communication and publication committee of the IEEE Uttar Pradesh section has taken the initiative of publishing the current issue of its quarterly newsletter in the year 2021 and now we are publishing the third issue of it. My heartiest congratulations to the entire executive committee members of IEEE Uttar Pradesh Section for 2021 for taking the best initiatives and all possible efforts to make the section powerful, lively, despite the hardest hit of COVID-19. Through this newsletter volume, the section is trying to consolidate the recently conducted activities. The section is truly believing in diversity and the present executive committee consists of members from diverse geographical areas of the section including the representation from all the major technical institutions and the industry. IEEE provides a wide range of quality publications that make the exchange of technical knowledge and information possible among technology professionals. This essential content, categorized below, is delivered through the IEEE Xplore Digital Library. The current executive committee members have taken the charge of responsibility and started the work in the most systematic and well organized manner. These members are active participants in research and authorship, conferences, and important conversations about today's most relevant technical topics locally and globally. The objective behind this is to make the section most significant to its members and the most vibrant section in region-10 while upholding the top-level ethical, social, moral, and humanitarian behavior. IEEE provides a wide range of quality publications that make the exchange of technical knowledge and information possible among technology professionals. Its a pleasure to learn that many new organizational units are being formed and the membership growth is quite impressive. Many new fellows and senior members have been added. Our student branches and their chapters are quite active. Section's professional chapters are also marching with a triumph. I know that the time is tough due to COVID-19 but I wish that all our members be safe and healthy. I wish for the all-around development of members and tremendous growth of the section.



DR. J. RAM KUMAR

CONVENER, SECTION/SUBSECTION SUB COMMITTEE

Good things remain good only because they are always scarce. I am glad to pen for this IEEE UP Section Newsletter 2021 Vol.3 as an appreciation of the commendable efforts put forth by the team. The efforts taken to bring about innovative activities is appreciable. Content on the various opportunities available in the institutions and alerts on various student branch competitions are included here. IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its organizational units engage at the national, regional, and international levels in order to advance the mission and vision of securing the benefits of technology for the advancement of society. Undoubtedly IEEE UP Section is taking great efforts and has a long journey destined ahead full of success and appreciation. Wishing you all grand achievements.

MESSAGES



DR. V. S. TRIPATHI

CHAIR, STUDENT ACTIVITIES

I am gratified to know that IEEE UP Section is bringing out their Newsletter. IEEE UP Section has proved to be successful and effective and is appreciated by everyone. I am Chair of Student Activities Committee (SAC) in IEEE UP Section. SAC is an IEEE committee responsible for student programs and benefits, and making recommendations to the Member and Geographic Activities (MGA) Board. It is filled with IEEE volunteers, and supported by IEEE staff. These volunteer members provide important viewpoints and information, and represent the voice of the over 100,000 IEEE Student and Graduate Student members worldwide. The most important aspect we could derive from this stupendous effort of releasing newsletters is that it brings out the various technical and analytical skills of the budding minds. I wish IEEE UP Section a very big success in all their ventures. I also applaud the coordination and efforts behind the team to bring out this volume.



DR. R.K. SINGH

CONVENER, CHAPTER PROMOTIONS AND COORDINATION
SUBCOMMITTEE

I am pleased to know that our IEEE UP Section is once again successful in bringing their third volume of Newsletter. The release of this spectacular third volume of their newsletter has added value to their constant efforts. IEEE Young Professionals is an international community of enthusiastic, dynamic, and innovative members and volunteers. IEEE is committed to helping young professionals evaluate their career goals, polish their professional image, and create the building blocks of a lifelong and diverse professional network. IEEE Young Professionals is open to Graduate Students and higher-grade members with early career interests at no additional cost. IEEE Young Professionals provides career advantage resources and helps members leverage the power of the global network through its expanding Affinity Groups and volunteer opportunities. I take this opportunity to congratulate IEEE UP Section also the editors and student editors who have been involved in bringing out the newsletter for their greater success and career ahead.

MESSAGES



DR. SEEMA AWASTHI

TREASURER, IEEE UP SECTION

It is a noble task on the part of the IEEE UP Section to once again make it with their frequent volume. I wish that this newsletter establishes to be a flint to fire the enthusiasm and excite the readers' minds for many intrusive innovations among the students and inspire passion among the members of the IEEE worldwide. Women empowerment encompasses more than just ensuring that women get their basic rights. In its truest form, women empowerment comprises the aspects of independence, equality as well as freedom of expression. Through this, the real strive lies in ensuring that we bring gender equality. Thus, Women empowerment is required to foster a sense of liberty to provide decision-making power and equal opportunities.

I wish all the students and editors who have been involved in bringing out the newsletter for their greater success and career ahead. I congratulate IEEE UP Section to experience victory in all of their future endeavours.



DR. BHAVESH KUMAR CHAUHAN

CONVENER, STRATEGIC PLANNING & COOPERATIONS

I have great pleasure in conveying my best wishes to the IEEE UP Section for releasing their 3rd Volume of 2021 Newsletter. IEEE UP Section conducts the activities which assist the local IEEE members to enhance their professional careers and their communities. It is doing wonders in developing and maintaining regional entities for the best interests and benefits of the IEEE members in the section. IEEE UP Section also focuses on industry-academia relations i.e collaboration between industry and academia is key to catalyzing innovation and growth in technology. While industry often focuses on addressing solutions that are of near-term commercial value and academia focuses on building new knowledge through research and imparting education to students, the combination can yield the accelerated development of breakthroughs. one can achieve through There are many achievements of academic-industry collaborations, among them are enhancement of research and innovation through joint research projects, delivery of innovative commercial products, and improvements in teaching, learning, and enrichment of students' knowledge and their employability. Hence, innovations which are implemented and demonstrated successfully will be able to prosper in this fast-transforming world of technology. I congratulate the editors and their dedicated team for their hard work and valuable efforts in bringing out this volume. I wish them all triumph!

MESSAGES



DR. SHWETA TRIPATHI

CHAIR, WOMEN IN ENGINEERING COMMITTEE

I am very happy to know about the release of vol.3 of IEEE UP Section Newsletter 2021 and would like to convey my greetings to all the members of IEEE UP Section. It gives me immense pleasure to apprise that IEEE UP Section, India is diligently working and putting its persistent efforts to serve the people at its best.

IEEE Women in Engineering (WIE) is one of the largest international professional organizations dedicated to promoting women engineers and scientists and inspiring girls around the world to follow their academic interests to a career in engineering. At present the major objective of WIE-AG, IEEE UP Section is to improve the perception of the field of engineering, continue to attract more girls to pursue an engineering career, as well as to promote to all students the endless possibilities that can result from considering engineering as a possible career option. Thus, making the people understand that engineering is gender neutral and it has career option that can benefit humanity. We are organizing several professional activities, technical conferences, award nominations etc. directed towards fulfilling the IEEE WIE 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 cooperation of all and with the blessings of the Almighty, IEEE UP Section will continue to grow in all aspects and will explore pinnacles and also I want to convey my best wishes to whole editorial team for their valuable efforts in bringing out this newsletter.



ER. KANIKA LAMBA

SECRETARY, WOMEN IN ENGINEERING COMMITTEE

I am glad to know that IEEE UP Section is publishing its third issue of Newsletter 2021. I wish to congratulate each one of you on this happy occasion of completion. 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. IEEE Women in Engineering (WIE) is a global network of IEEE members and volunteers dedicated to promoting women engineers and scientists, and inspiring girls around the world to follow their academic interests in a career in engineering and science. I, being the Secretary of WIE-AG, IEEE UP Section envision a vibrant community of IEEE women and men collectively using their diverse talents to innovate for the benefit of humanity. We are organizing workshops, conferences for the career advancement of women in their profession and are providing assistance to the girls and women by formation of new IEEE WIE Affinity Groups in institutions and supporting their humanitarian activities. I congratulate each and every member of IEEE UP Section for the commendable achievements. This newsletter is the result of dedication and hard work put in by the editorial team and by the support of every member, the IEEE UP Section is touching the greater heights of glory.

EDITOR'S MESSAGES



DR. RAJAT KUMAR SINGH

CHAIR, ELECTRONIC COMMUNICATION
ACTIVITIES

Dear Reader,

It's my pleasure to present to you the third quarterly newsletter of 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 education 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. Khadim Moin Siddiqui and his wonderful team of student volunteers who have given their valuable time to prepare this newsletter. A special thanks goes to all the members for providing their tremendous inputs.



PROF. RAFIK AHMAD

CONVENER, SECTION NEWSLETTER AND
PERIODICALS SUB-COMMITTEE

Welcome to the third IEEE UP Sections Newsletter. I am blessed to present various achievements done by IEEE UP Section in third quarter 2020-21. As the world is recovering from Covid-19 we at IEEE UP section are also improving. It's been a great honour for me to be given the opportunity to serve as the Editor for this Newsletter. This Newsletter edition highlights the ex-com meetings, events, achievements and awards etc. I am much thankful to Dr. Satish Kumar Singh for giving me the opportunity to work for IEEE UP Section. I thank all who took time from their busy schedules to volunteer and served for humanity.

On this occasion, I also would like to express my gratitude to several members of the editorial board especially Dr. Khadim Moin Siddiqui and his students team for their consistent hard work and support. Their service and dedication to our achievements are truly remarkable and highly appreciated. A special thanks to Er. Kanika Lamba for supporting me. I look forward to continuing work with my dedicated team. Wishing great future.

EDITOR'S MESSAGES



DR. KHADIM MOIN SIDDIQUI

MEMBER, SECTION NEWSLETTER AND PERIODICALS
SUB-COMMITTEE

Dear Readers,

Greetings!

We are delightfully presenting the IEEE UP Section newsletter Volume 5, Issue 3 and in this issue, third-quarter activities have been included. In this issue, the huge vibrancy of the section is reflected because we have received activity reports from all over the section and it was not possible to include all the activities but we tried our best. I recommend for future contributors to kindly share their activities in the prescribed format and write the activity agenda clearly.

If we talk about technical reports, kindly send us quality data, which should reflect novel ideas with maximum one page. The non-technical reports must be based on IEEE activities, IEEE experience, IEEE benefits etc and it is also limited to one page. In this issue, no technical reports were found suitable for publication however editorial board recommended two non-technical reports for the publication and it is only for the motivation of students and we feel somehow the data is relevant.

Some IEEE student branches are doing commendable and are working for all-around development in participants and in organizing many technical and social activities. Their contribution to humanitarian work is highly appreciated and we expect active involvement in the future also. Information of award winners, young professional lecture series, and newly elevated senior members have also been included.

Sincere thanks and deep gratitude to Dr. Satish Kumar Singh, Chairman, Dr. J. Ramkumar, Convener Section/Subsection Committee, Dr. V.S. Tripathi, Chair, Student Activities, Dr. R.K. Singh, Convener, Chapter Promotions and Coordination Sub Committee, Dr. Seema Awasthi, Treasurer, Dr. Bhavesh Kumar Chauhan, Convener, Strategic Planning and Operations Sub-Committee, Dr. Shweta Tripathi, Chair, WiE, Er. Kanika Lamba, Secretary, WiE of IEEE UP Section for providing us their messages timely. Due to your active efforts, the newsletter has become more effective.

My sincere thanks to Dr. Rajat Kumar Singh, Chair, Electronics Communication Activities committee, IEEE UP Section and Prof. Rafik Ahmad, Convener, Newsletter Committee, IEEE UP Section for their time to time support.

Perhaps, it will not be fair enough if I will not acknowledge the dedicated efforts of student committee members of newsletter such as Shrey Khanna, Arsh Ahmad, Ayushi Pandey, Ambar Misra, Ashutosh Verma, and Himanshi Kapoor. You are very good volunteers and hope you will go high in your carrier. Kindly receive our best wishes.

Thanks & Regards

EX-COM MEETING

MEETING MINUTES

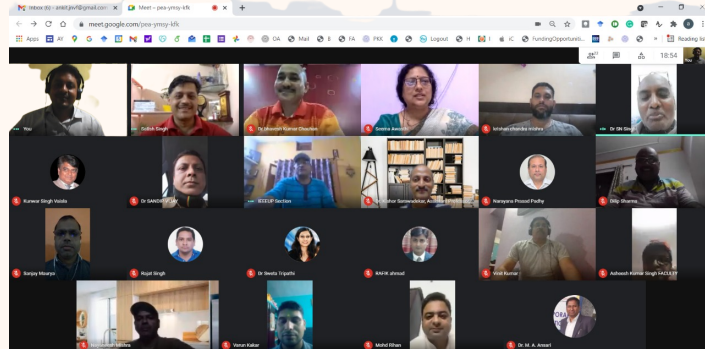
Meeting Detail: 5th/2021 Executive Committee Meeting

Venue: Mixed mode [online Google-meet/offline (SRMGPC, Lucknow)]

Date: : August 28, 2021 (Saturday); **Time:** 04:30 PM-6:00 PM

On Role of Chairperson: Dr. S.K. Singh, IIIT Allahabad

On Role of Secretary: Dr. Prabhakar Tiwari, MMMUT Gorakhpur



OPENING REMARK BY CHAIRMAN, IEEE UP SECTION

- The Section Chair welcomed all the members to the 5th EC meeting of 2021.
- Updates on activities during the last meeting to this meeting.
- Vision and Mission for 2021
- Goals (Student-Branche/Chapters, Section-Chapters, Membership Retention/ Addition/ Elevation, OU10Program, Industry Connect Cell, Industry-Academia Meet, More Awards and Recognitions, StTravel/ StRR/ StIntern/ StCFair Programs, OU Reporting & Funding Programs, Financially Sponsored Conferences, Distinguished Academia / Industry Speaker Program, IEEE/Women/Humanitarian/Engineers/Environment/Earth/ Day Celebrations, SIGHT/YP/WIE Projects Funding)
- Roles & Responsibilities of Various Committees and Subcommittees
- Committee Details.

EX-COM MEETING

AGENDA ITEMS MEETING

- The compliance of Section MOU by conference organizers (Point No. 17). The organizer should • NOT have more than 4 (four) papers in their own Conference. If it is not honored then the organizer may be debarred for at least one year.
- The issue of non-compliance of Section MOU by organizers of SPIN-2021. (Point No. 11). "IEEE U.P. Section may nominate observer(s) to monitor the quality and progress of the Conference. The organizers should share the similarity reports, reviewers' comments (minimum two reports per accepted papers) with the observers".
- Formation of Nomination Committee for the Slate 2022.
- Constitution of Award Committee for the Section Awards.
- Management of the account and status of UPCON-2021.
- 1. Presentation of updates on action by different Committee Chairs
- 2. Membership Development Committee
- 3. Strategic Planning and Chapters' Activity Committee
- 4. Awards and Recognition Committee
- 5. Industry Relations Committee
- 6. Conference Committee
- 7. Young Professionals Committee
- 8. Women in Engineering Committee
- 9. Humanitarian Technology Activity Committee
- 10. Educational Activities Committee
- 11. Student Activities Committee
- 12. Publications and Section History Committee
- 13. Electronic Communication Activities Committee
- 14. Ad-Hoc Committee for Uttarakhand Subsection Formation
- 15. Ad-Hoc Committee for NCR Subsection Formation
- 16. Ad-Hoc Committee for Eastern Uttar Pradesh Subsection Formations.
- Date and Venue of Next EC Meeting
- The date and venue of next meeting will be intimated soon.
- Any Other Agenda Items (Other Notes/Comments/Information) with the permission of the Chair.
- i. The Chairman proposed some discretionary award by Chairperson for those members who are not able to apply for any awards but deserve for the same.

[CLICK HERE FOR MORE DETAILS](#)

EX-COM MEETING

MEETING MINUTES

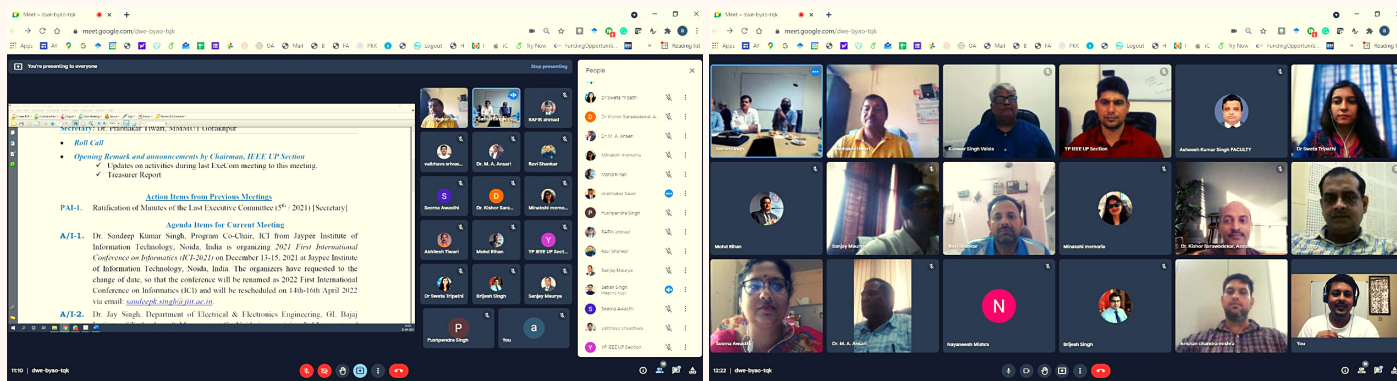
Meeting Detail: 6th /2021 Executive Committee Meeting

Venue: mixed mode [online Google-meet/offline (IIITA, Prayagraj)]

Date: September 25, 2021 (Saturday)

On Role of Chairperson: Dr. S.K. Singh, IIIT

On Role of Secretary: Dr. Prabhakar Tiwari, MMMUT Gorakhpur



OPENING REMARK BY CHAIRMAN, IEEE UP SECTION

- Welcome of members of Executive Committee-2021 to IEEE UP Section
- Updates on activities during the last meeting to this meeting.
- Vision and Mission for 2021
- Goals (Student-Branched/Chapters, Section-Chapters, Membership Retention/ Addition/ Elevation, OU10Program, Industry Connect Cell, Industry-Academia Meet, More Awards and Recognitions, StTravel/ StRR/ StIntern/ StCFair Programs, OU Reporting & Funding Programs, Financially Sponsored Conferences, Distinguished Academia / Industry Speaker Program, IEEE/Women/Humanitarian/Engineers/Environment/Earth/ Day Celebrations, SIGHT/YP/WIE Projects Funding)
- Roles & Responsibilities of Various Committees and Subcommittees
- Committee Details.

EX-COM MEETING

AGENDA ITEMS MEETING

- Dr. Sandeep Kumar Singh, Program Co-Chair, ICI from Jaypee Institute of Information Technology, Noida, India is organizing 2021 First International Conference on Informatics (ICI-2021) on December 13-15, 2021 at Jaypee Institute of Information Technology, Noida,
- Dr. Jay Singh, Department of Electrical & Electronics Engineering, GL Bajaj Institute of Technology & Management Gr. Noida is organizing 3rd International Conference on Power Energy Environment & Intelligent Control 2022 (PEEIC2022) on 6–8 October 2022. The organizers have requested for Technical Co-sponsorship and paper upload to IEEE Xplore for the event via email: jaysingh@ieee.org.
- Reporting by Chairman Nomination Committee on Section Slate for 2022 via. Prof. Asheesh K.Singh.
- Reporting by Chairman Awards Committee for Section Awards via. Prof. SN Singh.
- Discussion and Approval of policy of UP Section financially sponsored Conferences via Prof. J. Ramkumar.
- Status of UPCON-2021
- Discuss on organization and venue of UPCON-2022.
- Presentation of updates on action by different Committee Chairs (If Any):
 1. Membership Development Committee
 2. Strategic Planning and Chapters' Activity Committee
 3. Awards and Recognition Committee
 4. Industry Relations Committee
 5. Conference Committee
 6. Young Professionals Committee
 7. Women in Engineering Committee
 8. Humanitarian Technology Activity Committee
 9. Educational Activities Committee
 10. Student Activities Committee
 11. Publications and Section History Committee
 12. Electronic Communication Activities Committee
 13. Ad-Hoc Committee for Uttarakhand Subsection Formation
 14. Ad-Hoc Committee for NCR Subsection Formation
 15. Ad-Hoc Committee for Eastern Uttar Pradesh Subsection Formations.
- Date and Venue of Next EC Meeting.
- Any Other Agenda Items (Other Notes/Comments/Information) with the permission of the Chair.

[CLICK HERE FOR MORE DETAILS](#)

EX-COM MEETING

MEETING MINUTES

Meeting Detail: 7th /2021 Executive Committee Meeting

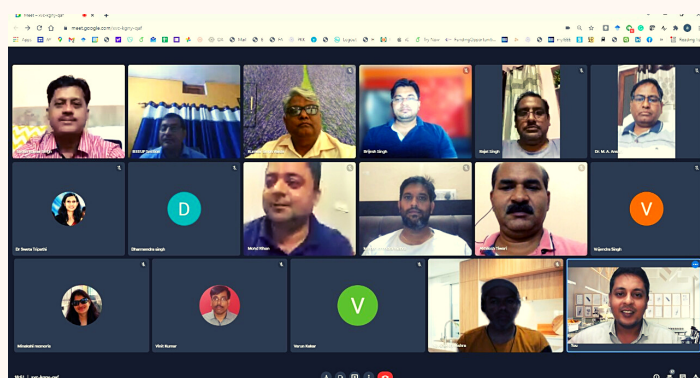
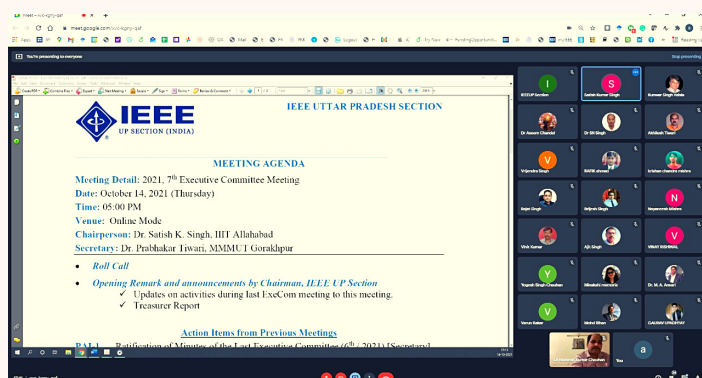
Date: October 14, 2021 (Saturday)

Time: 05:00 PM-6:30 PM

Venue: On-line(Google meet)

On Role of Chairperson: Dr. S.K. Singh, IIIT, ALLAHABAD

On Role of Secretary: Dr. Prabhakar Tiwari, MMMUT Gorakhpur



OPENING REMARK BY CHAIRMAN, IEEE UP SECTION

- Welcome of members of Executive Committee-2021 to IEEE UP Section
- Updates on activities during the last meeting to this meeting.
- Vision and Mission for 2021
- Goals (Student-Branched/Chapters, Section-Chapters, Membership Retention/ Addition/ Elevation, OU10Program, Industry Connect Cell, Industry-Academia Meet, More Awards and Recognitions,StTravel/ StRR/ StIntern/ StCFair Programs, OU Reporting & Funding Programs, Financially Sponsored Conferences, Distinguished Academia / Industry Speaker Program, IEEE/Women/Humanitarian/Engineers/Environment/Earth/ Day Celebrations, SIGHT/YP/WIE Projects Funding)
- Roles & Responsibilities of Various Committees and Subcommittees
- Committee Details.

EX-COM MEETING

AGENDA ITEMS MEETING

- Dr. Jitendra Kumar Seth, Associate Professor, IT Dept., KIET group of Institutions, Ghaziabad is organizing 3rd International Conference on " Issues and Challenges in Intelligent Computing Techniques" (ICICT2022) on Nov 11-12, 2022 at Department of Information Technology, KIET Group of Institutions, Delhi-NCR, Meerut Road (NH-58), Ghaziabad-201206, India. The organizers have requested for Technical Co-sponsorship and paper upload to IEEE Xplore for the event via email: jitendra.seth@kiet.edu. via email: pchaturvedi1@gn.amity.edu
- Prof. (Dr.) Rakesh Kr. Dwivedi, Principal & Director, FOECS, TMU is organizing "10th International Conference on System Modelling & Advancements in Research (SMART- 2021)" on 10-11 December 2021 at Teerthanker Mahaveer University (TMU), Moradabad, UP, India. The organizers have requested for permission to conduct the conference in Dual Mode (i.e. Online & Offline), for Getting through the COVID-19 Pandemic and Beyond. via email: principal.computers@tmu.ac.in.
- Prof. (Dr.) Rekha Agarwal, Director, ASET, Delhi & AIIT Noida is organizing "10th IEEE International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2022)" on 13 -14 October 2022 at Amity Institute of Information Technology, Amity University Uttar Pradesh, Sector 125, Noida, Uttar Pradesh. The organizers have requested for Technical Co-sponsorship and paper upload to IEEE Xplore for the event via email: aiit@amity.edu.
- Dr. Ravindra Pratap Singh, Asst. Professor, Dept of Mechanical Engineering, GLA University, Mathura is organizing "2nd International Conference on Simulation, Automation & Smart Manufacturing (SASM 2022)." on August 26-27, 2022 at GLA University, Mathura, India. The organizers have requested for approval on the new dates of the conference to be October 06th-09th, 2022 and Permission for Minimum Number of papers to publish: 800. via email: pratap.ravindra@gla.ac.in
- Call for Expression of Interest for hosting R10 Flagship Conferences - 2023 TENCON, TENSYP and R10-HTC. The last date of application is October 31, 2021.
- Reporting by Chairman Nomination Committee on Section Slate for 2022.
- Discussion and Approval of policy of UP Section financially sponsored Conferences.
- Management of the account and status of UPCON-2021.
- Presentation of updates on action by different Committee Chairs (If any):
 - 1.Membership Development Committee
 - 2.Industry Relations Committee
 - 3.Young Professionals Committee
 - 4.Women in Engineering Committee
 5. Humanitarian Technology Activity Committee
 6. Educational Activities Committee
 7. Student Activities Committee
 8. Publications and Section History Committee
 9. Electronic Communication Activities Committee
- Date and Venue of Next EC Meeting
- Any Other Agenda Item(s) - with the permission of the Chair.

[CLICK HERE FOR MORE DETAILS](#)

LIST OF NEWLY FORMED SENIOR MEMBERS



Dr. K.K. Singh



Dr. Rishi Asthana



Dr. Indu Pabha Singh



Dr. Sweta Tripathi



Dr. Anurag Tiwari



Dr. Saifullah Khalid

AWARD WINNER

Dr. Avirup Dasgupta

Department of Electronics and Communication Engineering
Indian Institute of Technology Roorkee

2021 IEEE Electron Devices Society Early Career Award



October 11, 2021

Dr. Avirup Dasgupta
Department of Electronics and Communication Engineering
Indian Institute of Technology Roorkee
Roorkee, Uttarakhand
247667
India

Dear Dr. Dasgupta:

I am delighted to inform you that you have been selected as a recipient of the 2021 IEEE Electron Devices Society Early Career Award along with Jiaju Ma. This award is intended to promote, recognize and support Early Career Technical Development within the Electron Devices Society's field of interest, and I congratulate you on being awarded one of our Society's highest honors.

The award will be presented during the International Electron Devices Meeting (IEDM) conference. It will consist of a certificate and a check for \$1,000.

We will need a good photograph of you along with a short biographical sketch (about 400 words). Please note that the sketch should include some information of a personal nature as well as the usual professional data. Please send the bio and photo to Laura Riello by October 13th.

Please consider volunteering your time as an EDS Young Professional and [visit our website](#) for volunteer opportunities.

Congratulations again on winning this award.

Sincerely,

A handwritten signature in black ink, appearing to read "Ravi Todi".

Ravi Todi
IEEE EDS President



IEEE Electron Devices Society
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Phone +1 732 562 3927 • Fax +1 732 235 1626 • E-Mail eds@ieee.org •
www.ieee.org/eds/

EVENTS OF STUDENT BRANCHES

Babu Banarasi Das Institute Of Technology & Management - Lucknow

VIRTUAL LEADERSHIP TRAINING WEEK

Logos: BBDITM, IEEE Student Branch, IIT Kanpur Student Branch, IEEE Region 10, IEEE Region 10 Student Activities Committee, IEEE PES, IEEE Computer Society, IEEE Signal Processing Society.

Chief Patron MRS. ALKA DAS Hon'ble Chairperson BBD Group	Patron MR. VIRAJ SAGAR DAS President, BBD Group	Chief Guest MS. SUSAN KATHY LAND IEEE President & CEO New Jersey, USA	Guest of Honour SIR JOHN MCDONALD IEEE Life Fellow Smart Grid Business Development Leader, USA	Guest of Honour MS. JENIFER CASTILLO IEEE WIE Chair, USA
Guest of Honour DR. KVS HARI IEEE Fellow Professor, IISc Bangalore	Guest of Honour PROF. S N SINGH Past Chairperson IEEE India Council Professor, IIT Kanpur	Speaker DR. J. RAMKUMAR, Chairman, Institute of Engineers(INDIA), Professor, IIT Kanpur	Speaker DR. ASHISH KUMAR KANOJIA SGPGI Lucknow	Guest of Honour PROF. ASHEESH K. SINGH Immediate Past Chairperson, IEEE UP Section MNIT, Allahabad
Guest of Honour DR. ANKUSH SHARMA Branch Counselor, IIT Kanpur SB Professor, IIT Kanpur	Chief Convener PROF. SHAILENDRA SINGH CHAUHAN Director, BBDITM	Convener PROF. RAFIK AHMAD Branch Counselor IEEE Senior Member Convener, IEEE UP Section Newsletter Committee HoD EE, BBDITM	Convener DR. KHADIM MOIN SIDDIQUI IEEE Senior Member Member, IEEE UP Section Newsletter Committee Advisor Signal Processing Society BBDITM	Coordinator PROF. KANIK LAMBA Advisor WIE Affinity Group, BBDITM Lucknow

16-22 August-2021

QR Code: SCAN to Register Now Hurry Up!

Social Media: @ieeebbdtm

VIRTUAL LEADERSHIP TRAINING WEEK



AGENDA

7 days "Virtual Leadership Training Week(2021)" funded by IEEE Region 10 was organized virtually from August 16,2021- August 22,2021. The main objective of the event was to give an idea to participants about innovation, increment of Strategic & critical thinking skills, startup ideas, awareness on Covid -19, STEM, and also on Cognizance of IEEE. The sessions were marked with the gracious presence of the IEEE President, IEEE WIE Chair, and many many renowned personalities from different erudite backgrounds as our speakers. The 7 days of the event included interesting sessions & competitions. The aim was to explore new dimensions in the field of innovation as an innovative leader is always open to new ideas and dimensions also decision-making skills & inquisitiveness. An innovative leader listens to everyone actively and also motivates others to think out of the box. Thus, the event helped the participants to enhance their concentration, listening skills, innovative mind and to develop knowledge and skills in the areas of interest as everything is important to increase leadership skills. Interviews, professional development, discussions with IEEE Graduate Student Members, social awareness of Covid-19, interactive talks, Quiz Competition, Debate Competition, Sessions on startup ideas had taken place to upgrade leadership skills.

EVENTS OF STUDENT BRANCHES

Indian Institute of Technology, Kanpur

IEEE STUDENT BRANCH, IIT KANPUR
IEEE DAY PANEL DISCUSSION

"THE ART OF PROFESSIONAL VOLUNTEERING: IEEE WAY"

PANELISTS:

 **Prof. S N Singh**
IIT Kanpur

 **Prof. J Ramkumar**
IIT Kanpur

 **Prof. Asheesh K Singh**
MNNIT Allahabad

07th OCTOBER 2021, THURSDAY **5.00 PM – 6.00 PM IST (GMT +5.30)**

Link to join: <https://zoom.us/j/98090792289?pwd=UVIDR0N0aGprRFFodlJlYkZDZXg1QT09> Meeting ID: 980 9079 2289 Password: IEEE13

Why to join IEEE?
How does it help in our career growth?

Advancing technology for humanity...

Professional volunteering & Creativity

Transformation from a degree holder to a real professional...

Networking Opportunities

IEEE Awards, Scholarships and recognition

IEEE DAY CELEBRATION

AGENDA

In connection with IEEE Day 2021, the IEEE Student branch at IIT Kanpur organized two events as per the following details:

On 5th October 2021, the student branch hosted an invited talk on Industry 4.0 – AI, Robotics, and Automation. Prof. Prahlad Vadakkepat, a veteran academician and researcher in Robotics and AI from NUS, Singapore, delivered the talk. The speaker talked about the significance of AI in modern technology development and robotics and automation in upcoming industry operations. Students, researchers, and academicians from various parts of the country attended the talk. The student branch also hosted a panel discussion titled 'The Art of Professional Volunteering: IEEE Way.' Prof. S N Singh (IIT Kanpur), Prof. J Ramkumar (IIT Kanpur), and Prof. Asheesh K Singh (MNNIT Allahabad) served as the expert panellists. The speakers discussed the benefits of professional volunteering, how it shapes a degree holder into a real professional and the benefits of IEEE membership at various levels of careers. Mr. Ankit Yadav (IIT Kanpur) moderated the event. Many students and faculty members across the section attended the event to know the importance of IEEE in shaping their careers.

IEEE UP GRADUATION TALK SERIES

click here.



EVENTS OF STUDENT BRANCHES

Babu Banarasi Das Institute Of Technology & Management - Lucknow

IEEE DAY 2021 CELEBRATION

Chief Patron
Mrs. Alka Das
Hon'ble Chairperson
BBD Group

Patron
Shri Viraj Sagar Das
President, BBD Group

Invited Speaker
Shri Navniet Sekera (IPS)
Additional Director General
of Uttar Pradesh Police

Invited Speaker
Dr. S. K. Tyagi
Indian Institute of
Technology (IIT), Delhi

Invited Speaker
Dr. Shabana Mehruz
IEEE Senior Member
JMI University, New Delhi

Invited Speaker
Dr. Pramod Kumar
Yadav
Department of Computer
Science & Engineering
NATIONAL INSTITUTE OF
TECHNOLOGY SRINAGAR

Invited Speaker
Dr. Sumit Soman
Senior Member, IEEE
Senior Data Scientist Global AI
Accelerator, Ericsson

Invited Speaker
Prof. Dharmesh Kumar
IEEE Member
BBDITM, Lucknow

Chief Convener
PROF.(DR.) S.S CHAUHAN
Director, BBDITM

Convener
Prof. Rafik Ahmad
Branch Counselor
IEEE Senior Member
Convener, IEEE UP Section
Newsletter Committee
HoD EE, BBDITM

Coordinator
Prof. Kanika Lamba
Advisor WIE Affinity
Group, BBDITM Lucknow,
Secretary IEEE WIE UP
Section

You are welcome!!
October 01-05, 2021

<https://bit.ly/39ltYp>

Participation Certificate

SCAN to Register Now Hurry Up!

IEEE DAY CELEBRATION



AGENDA

On the occasion of IEEE Day, IEEE BBDITM STB organized 5 days "IEEE Day Celebration" in hybrid mode. The motto of the IEEE Day is "Leveraging Technology for a Better Tomorrow". The program was entirely focused on developing technical skills among the participants, Workshop on Arduino, Women Empowerment, Awareness about Conservation & Utilization of Energy resources with the help of latest advancements, Quizzes, Membership Drive, and many more. The major aim of these 5 days hybrid event was to instill the notion among the participants that IEEE is the world's largest technical professional organization which is dedicated to advancing technological innovation and excellence for the benefit of humanity and it is composed of students, engineers, scientists, and allied professionals. The participants came to know that IEEE and its members inspire a global community through IEEE's highly cited publications, conferences, technology standards, and professional and educational activities. The impact of membership drive was that more than 60+ enthusiastic members joined the IEEE BBDITM STB. Thus the IEEE Day Celebration ended with great success and the participants got inspired to upgrade their skills through one of the best platforms i.e IEEE.

EVENTS OF STUDENT BRANCHES

Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow

IEEE SRMGPC STUDENT BRANCH
IEEE DAY 2021 CELEBRATIONS IN HYBRID MODE
1 to 6 October 2021

LEVERAGING TECHNOLOGY FOR BETTER TOMORROW

Chief Patron Er. Pankaj Agarwal Co-Founder SRMGPC, Lucknow	Patron Er. Pooja Agarwal Co-Founder SRMGPC, Lucknow	Chief Guest Dr. Mohamed Benbouzid IEEE Fellow, IET Fellow, University of Brest, France	Guest of Honour Dr. Celia Shahnaz Chair IEEE SPS Women in SPC BUET, Bangladesh	Guest of Honour Dr. Chirag N. Paunwala IEEE Senior Member Professor and Dean R&D, SCET, Surat	Invited Speaker Dr. Neelam Srivastava IEEE Senior Member Professor, IET, Lucknow	Invited Speaker Dr. Kuldeep Sahay IIC President Professor, IET, Lucknow
Invited Speaker Dr. Farhad Ilahi Bakhsh Assistant Professor NIT, Srinagar	Invited Speaker Er. Ankit Yadav SIB/SIBC/SIBAG QC sub- committee IEEE UP Section, Ph.D. Scholar, IIT Kanpur	Invited Speaker Er. Akhilesh Prakash Gupta Chair, IEEE PES SBC, IIT Kanpur, Ph.D. Scholar, EE Department	Chief Convener Dr. Bhavesh Kr. Chauhan IEEE Senior Member Group Director SRMGPC, Lucknow	Convener Dr. Indu Prabha Singh IEEE Senior Member Student Branch Counselor SRMGPC, Lucknow	Convener Dr. Khadim Moin Siddiqui IEEE Senior Member Advisor, IEEE Student Branch SRMGPC, Lucknow	Student Coordinator Arsh Ahmad Chair, IEEE Student Branch SRMGPC, Lucknow

Contact
social.srmgpc.ieee@gmail.com

Event Details
Inauguration programme on
1st October 2021 at 7:30 p.m. (IST)

IEEE DAY CELEBRATION



AGENDA

IEEE Student Branch of Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow celebrated IEEE Day 2021 by organizing a 6 day event in hybrid mode. The event was organized with the motive to develop professional as well as Technical Skills among students. Chief Guest of the Inaugural Ceremony was Dr. Mohamed Benbouzid, Professor at the University of Brest, France and Guest of Honor was Dr. Celia Shahnaz, Professor at BUET, Bangladesh, and Dr. Chirag N. Paunwala, Professor & Dean at SCET Surat and many invited speakers.

Event Schedule was as follows:

Day 1 (1st October 2021) - IEEE DAY 2021 Celebrations Inaugural Ceremony in online mode

Day 2 (2nd October 2021) - Webinar on "Efficient Operation of an IEEE Student Branch" by Er. Ankit Yadav.

Day 3 (3rd October 2021) - Webinar on "An Introduction to Different Wind Turbine Technologies" by Er. Akhilesh Prakash Gupta.

Day 4 (4th October 2021) - Online Quiz on "IEEE, Science and Technology".

Day 5 (5th October 2021) - Talk on "IIC and Innovation Management " by Dr. Kuldeep Sahay , Talk on "Women In Engineering" by Dr. Neelam Srivastava and IEEE EXECOM Award Distribution in Offline mode at SRMGPC

Day 6 (6th October 2021) - Webinar on "Modelling and Analysis of Variable Frequency Transformer" by Dr. Farhad Ilahi Bakhsh.

EVENTS OF STUDENT BRANCHES

Indian Institute of Technology BHU, Varanasi




IEEE MTT Society
Student Branch Chapter IIT (BHU),
Varanasi
Presents

Technical Paper Writing
1-2 October, 2021





Day 1 (1 st October 2021)	Day 2 (2 nd October 2021)
 	  
▪ 12:00 Hours: Dr. Baidyanath Basu, “Aspects of Paper Writing” ▪ 16:00 Hours: Dr. Rajan Agrahari, “Introduction to LATEX for writing research papers”	▪ 12:30 Hours: Dr. Pankaj Kumar Choudhury, “Research Pathways and Reporting” ▪ 16:00 Hours: Mr. Diptiranjana Samantaray and Mr. Vangalla Veera Babu, “Compilation of Illustrations in Manuscript Preparation”

IEEE DAY CELEBRATION



AGENDA

On the occasion of IEEE Day celebration, IEEE MTT-S SBC IIT BHU Varanasi organized four webinars on the theme “Technical Paper Writing” during 1st and 2nd October, 2021 with the aim to benefit young researchers. Topics for the webinars were research paper writing, research pathways, research paper writing using Latex and introduction to software like Origin and Visio used in compilation of illustrations in manuscript preparation. The speakers of the webinars were Prof Baidyanath Basu, Former Professor of Electronics Engineering Department of IIT-BHU, Varanasi, Dr. Pankaj Kumar Choudhary, Professor at the Institute of Microengineering and Nanoelectronics, Universiti Kebangsaan Malaysia, Dr. Rajan Agrahari, Assistant Professor, NIT Patna, and two senior research scholars Mr. Diptiranjana Samantaray and Mr. Vangalla Veera Babu. The participants came to know the important aspects of writing research papers and covered the issues encountered while writing research papers. The webinars also covered the major advantages of using LATEX software for preparing the documents and aimed for novice fellow researchers to be aware of the directives that they are required to follow during the ventured course of research related studies. The students were given the demonstration of software (Origin and Visio) which are used in compilation of illustrations in manuscript preparation. The event was successful in achieving its aim of benefitting the young research enthusiasts and was appreciated by all the participants.

EVENTS OF STUDENT BRANCHES

Amity University, Noida



AMITY UNIVERSITY
UTTAR PRADESH

9th International Conference on Signal Processing and Integrated Networks

SPIN 2021
26-27 August, 2021
Department of Electronics & Communication Engineering
ASET, Amity University, Sec-125, Noida, Delhi-NCR, India

All accepted & presented papers received from registered authors will be submitted to IEEE Xplore Digital Library for Publication and Indexing in Scopus. Full paper in IEEE format should be submitted through online paper submission system (Early view submission system): <https://mc.manuscriptcentral.com/SPIN2021>

Topics:

1. Signal Processing
2. Medical Signal and Image Processing
3. Image and Video Processing
4. Pattern Recognition and Computer Vision
5. Artificial Intelligence, Machine Learning and Data Science
6. Wireless Communication, WSN & Ad-hoc Networks
7. Cloud Computing, SD & IoT
8. Computational Electromagnetics, RF, Microwave & Antenna
9. Photonics & Optical Communication
10. Robotics and Embedded Systems
11. Sensors & Sensor Technology
12. NIS & More Electronics
13. Power System Modelling, Control Systems and Renewable Energy System

Author / Presenter Registration

Early Registration (05-10 JUL 2021)		Regular		Foreign	
IEEE Members	Non-IEEE Members	IEEE Members	Non-IEEE Members	IEEE Members	Non-IEEE Members
5000 INR	4000 INR	250 USD	250 USD	350 USD	350 USD
3000 INR	4000 INR	150 USD	150 USD	250 USD	250 USD

Registration from 16 JUL 2021 to 30 JUL 2021

Regular		Foreign	
IEEE Members	Non-IEEE Members	IEEE Members	Non-IEEE Members
4000 INR	3000 INR	200 USD	200 USD
4000 INR	4000 INR	300 USD	300 USD

Invited Speakers of SPIN 2021:

For Sponsoring Please Contact:
+91-120-4392517
spin@amity.edu
www.amity.edu/spin2021



AMITY INSTITUTE OF INFORMATION TECHNOLOGY

INAUGURAL CEREMONY | 3rd SEPT. 2021 • 1:00 PM

9th INTERNATIONAL CONFERENCE ON RELIABILITY, INFOCOM TECHNOLOGIES AND OPTIMIZATION (ICRITO 2021) | TRENDS AND FUTURE DIRECTIONS

PAATHON IN CHARGE:

- Dr. Ashish K. Singh
- Dr. Prad Chandra
- Prof. Dr. S. S. Sankar

PAATHON & GENERAL CHAIRMAN:

- Dr. V. K. Singh
- Dr. S. K. Singh

CONFERENCE SECRETARY:

- Dr. S. K. Singh

CONFERENCE CO-CHAIRMAN:

- Dr. S. K. Singh

CONFERENCE CO-CHAIRMAN:

- Dr. S. K. Singh



AMITY UNIVERSITY
UTTAR PRADESH

4th INTERNATIONAL CONFERENCE ON RECENT DEVELOPMENTS IN CONTROL, AUTOMATION & POWER ENGINEERING (RDCAPE-2021)

7-8 OCTOBER 2021
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
ASET, AMITY UNIVERSITY, SEC-125, NOIDA, INDIA

KEYNOTE SPEAKERS OF RDCAPE2021:

For more information, Please visit: <https://mc.manuscriptcentral.com/RDCAPE2021>

IEEE DAY CELEBRATION

AGENDA

On the occasion of IEEE Day celebration, The Amity University Student branch organized an event on Advancing Technology for Humanity-Inspiring Innovations on 7th October 2021. The speakers of the event were Prof. (Dr.) Satish K. Singh, (Chair IEEE UP Section), IT Department, IIIT Allahabad and Prof. (Dr.) Ashish K. Singh, (Immediate Past Section Chair IEEE UP SECTION), EE Department, MNNIT Allahabad and Prof. (Dr.) S.N. Singh, (IEEE Core Committee member), EE Department, IIT Kanpur. The mega event was attended by 350 participants from various renowned institutes from India. The main agenda of the event was to outline and inculcate more knowledge and insights regarding research opportunities on emerging technology. The speakers shared their views about the enormous opportunities provided by IEEE. They addressed the need for humanitarian-based innovations and solutions to society's needs by engineers. The key takeaways from the event were collaborative learning, developing an innovative mindset, multidisciplinary working.

The Student Branch has exuberantly organized the "24th IEEE International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE-2021)" on 7th and 8th Oct 2021. A total of 28 intellectual speakers from various renowned institutions of India and abroad took part in it. The Student Branch has exuberantly organized the "24th IEEE International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE-2021)" on 7th and 8th Oct 2021. A total of 28 intellectual speakers from the various renowned institutions of India and abroad took part in it.

Topic-Advancing Technology for Humanity – Inspiring Innovations.

EVENTS OF STUDENT BRANCHES

Shri Ramswaroop Memorial Group Of Professional Colleges, Lucknow

Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow

IEEE SRMGPC STUDENT BRANCH ORGANIZING WORLD STUDENT'S DAY CELEBRATIONS & WEBINAR ON "BUZZ WORDS AND RECENT TRENDS IN AUTOMATION"

"Dream, dream, dream. Dreams transform into thoughts and thoughts result in action."
-Dr. APJ Abdul Kalam

Meeting ID: 973 1530 0727
Passcode: IEEE2021

Chief Patron: Er. Pankaj Agarwal, Co-Founder SRMGPC, Lucknow

Patron: Er. Pooja Agarwal, Co-Founder SRMGPC, Lucknow

Chief Guest: Dr. S. Chatterji, Professor (R) NITTR, Chandigarh

Chief Convener: Dr. Bhavesh Kr. Chauhan, IEEE Senior Member, Group Director SRMGPC, Lucknow

Convener: Dr. Indu Prabha Singh, IEEE Senior Member, Student Branch, SRMGPC, Lucknow

Convener: Dr. Khadim Moyn Siddiqui, IEEE Senior Member, Advisor, IEEE Student Branch, SRMGPC, Lucknow

Arsh Ahmad, Chairperson, IEEE SRMGPC Student Branch

Ayushi Pandey, Vice-Chair, IEEE SRMGPC Student Branch

Ambar Misra, Secretary, IEEE SRMGPC Student Branch

Arunesh Shukla, Additional Secretary, IEEE SRMGPC Student Branch

Ashutosh Verma, Treasurer, IEEE SRMGPC Student Branch

Adarsh Maurya, Webmaster, IEEE SRMGPC Student Branch

Himanshi Kapoor, Social Media Coordinator, IEEE Student Branch

Durgesh Kr. Pandey, Social Media Coordinator, IEEE Student Branch

Contact: social.srmgpc.ieee@gmail.com

Event Details: 19 October 2021, Time: 3:00pm- 4:30 pm (IST)

WORLD STUDENT'S DAY CELEBRATION



AGENDA

IEEE Student Branch of Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow celebrated World Student's day 2021. This is celebrated in honor of the birth anniversary of the former president of India, Late Dr. APJ Abdul Kalam. The event was organized in online mode on 19th October 2021 at 3:00 p.m. The Chief Guest of the event was Proff. (R) S. Chatterji NITTR, Chandigarh. The motive behind this event was to make students aware of recent technological developments in Automation Engineering as it is a modern control method across different engineering domains. The event started with the welcome note of SRMGPC Group Director Dr. Bhavesh Kumar Chauhan, followed by the presentation of Proff. Chatterji and a Q&A session. A vote of thanks was given by Dr. Indu Prabha Singh.

Professor Chatterji covered numerous topics related to automation from the very basics to higher advanced ones. He started his presentation with basic analog and digital circuits, Control systems, and later he gave a very intuitive introduction to machine learning, deep learning, IoT, Cloud Computing, etc. His presentation included

1. Technology convergence becomes technology fusion
 2. Operational resilience becomes a key company objective
 3. Edge computing platforms become edge automation Platforms
 4. The Arrival of Intelligent Process Automation (IPA)
 5. Growth of Cloud Automation
 6. Robotic process automation
- And many more topics.

The event achieved good participation from faculty and students as well.

YOUNG PROFESSIONAL LECTURE SERIES

Amity University - Lucknow



YOUNG PROFESSIONAL LECTURE SERIES

DESCRIPTION

IEEE AUUP Lucknow Campus Student Branch in collaboration with IEEE Young Professional Committee UP Section and IEEE BTKIT SBCs, Dwarahat has organized a very insightful and beneficial Technical/Professional Lecture Series supported by IEEE Region 10 and IEEE Young Professionals Region 10 from 18 September, 2021 to 03 October, 2021.

The details of the event are furnished below:

1. Lecture on "Machine Learning Methods for Brain Machine Interface Systems" by **Dr. Sumit Soman**, Senior Member IEEE, Senior Data Scientist, Global AI Accelerator Ericsson on 18th September 2021.
2. Lecture on "Metasurfaces: From Basic to Advanced applications " by **Dr. Somak Bhattacharyya**, Senior Member IEEE, Assistant Professor, IIT BHU on 19th September 2021.
3. Lecture on "Oxide Thin Film Transistors: Theory & Applications " by **Dr. Kavindra Kandpal** , Senior Member IEEE, Assistant Professor, IIIT Allahabad on 25th September 2021.
4. Lecture on "Application of Signal Processing in Electrical Machines Health Monitoring" by **Dr. Khadim Moin Siddiqui**, Senior Member IEEE, Associate Professor, SRMGPC, Lucknow on 26th September 2021.
5. Lecture on "Role of Artificial Intelligence in Internet of Things and Related Case Studies " by **Dr. Gaurav Verma**, Senior Member IEEE, Assistant Professor (Sr. Grade) & Research Head (IoT, AI, Embedded Systems), Jaypee Institute of Information Technology, Deemed University, Noida on 30th September 2021.
6. Lecture on "IEEE in Education System " by **Dr. Gaurav Verma**, Senior Member IEEE , Assistant Professor (Sr. Grade) & Research Head (IoT, AI, Embedded Systems), Jaypee Institute of Information Technology, Deemed University, Noida on 3rd October 2021.

SOCIAL WELFARE WORK OF STUDENT BRANCHES

Babu Banarasi Das Institute Of Technology & Management - Lucknow



DESCRIPTION

Dated 7th October 2021, IEEE BBDITM Lucknow in collaboration with WEAG (Women Empowerment Action Group), had adopted a first village named Papanamau, 5kms and second village Jhinauli Barabanki, 30kms from the capital of Uttar Pradesh Lucknow. The goal of this group was to provide quality education, employment and to support the women situated in various villages. This cell works at an institute level, the group consists of both Faculty and Students at the college as its members and works with an aim to create a gender sensitized civic within the campus as well as in the society.

It was established with an aim to assess, organize diverse academic, entrepreneurship, technical, medical, cultural, and social events for the uplifting of women and spread the real importance of gender equality in society through the college faculties and students.

SOCIAL WELFARE WORK OF STUDENT BRANCHES

Shri Ramswaroop Memorial Group of Professional Colleges - Lucknow



BLOOD DONATION CAMP



DESCRIPTION

The IEEE SRMGPC Student Branch, in collaboration with the college management successfully organized a blood donation camp on 22nd October 2021. It volunteered for the blood requirement in the blood bank of Dr. Ram Manohar Lohia Hospital (RMLH), Lucknow. With the theme of "Every blood donor is a lifesaver", the drive commenced at 10:15 AM and continued till 4:00 PM in the evening. Students, staff, and faculty voluntarily participated in the blood donation camp. The blood donation process was carried out under the supervision of experienced doctors.

SRMGPC in the past has been awarded by the Governor for its excellency and the Health Minister of Uttar Pradesh for its proactive participation in blood donation. The camp was open for all, any person could reach voluntarily at any time within the decided duration of the camp at their own convenience to donate blood in the licensed blood bank. The initiative was taken to motivate the youth towards social responsibilities and the contributions that they can make to help the society. After the drive, the management and officers of the Student branch congratulated and expressed their gratitude to the entire team of Dr. Ram Manohar Lohia Hospital, Lucknow.

NON-TECHNICAL ARTICLES

Why it's best if everyone Prospers, An Philanthropic approach.

(A Selfish argument to make world a better place)

Why should you care about the well-being of people half a globe away?

Until recently, most of the world population worked on farms and the total production of the world's economy was mostly the total agricultural output. And this output was limited by the fixed size of the land. The total output of the economy did not change a lot year by year. The size of the pie was fixed; the world was a zero-sum game. In such a stagnating world, the only way to get better off is if someone else gets worse off. If you take a bigger piece of the pie, someone else's gets smaller. If you want more food, then conquering, plundering, and stealing are great strategies. Your neighbor's loss is your gain. This was the state of things for thousands of years. Societies invaded each other constantly to get more pie. Economic inequality was extreme. Some had all the pie they wanted, while others had to live with the crumbs.

Then, the Industrial Revolution happened, and everything changed. We developed machinery, better crops, better fertilizers. Agricultural output skyrocketed, but we did not just produce more food - every industrial sector exploded in terms of productivity. From 1700 to 1870, the production of iron in Britain increased 137-fold. The Industrial Revolution led to a previously unimaginable increase in economic output. This altered the nature of our societies. Economic growth changed the world from a zero-sum game to a positive-sum game. We had found a way to create a bigger pie - but not only a bigger pie, but a pie that was growing bigger each year. More people could have more at the same time. This development is spreading and continuing today. Antibiotics kill bacteria. Power plants deliver energy. Cell phones connect us. Planes let us travel cheaply. Fridges store food. Continuous progress in all sectors of the economy seems normal to us today, but the change from stagnation to economic growth really was the most drastic shift in human history. How was this possible? At the very core of this massive transformation stand new ideas that lead to innovation. Innovation has many different definitions, but in the context of this video, we mean better solutions to existing problems and solutions to problems we did not know we had. The more you innovate, the more complex and interesting problems you discover as your wishes and needs evolve. The average citizen Norway 250 years ago might have wanted some good shoes. 150 years ago, maybe a bicycle. 80 years ago, a car. 30 years ago, cheap air travel. And so on. Once we get what we want, we don't stop; we can see how we can improve things even more, and how to make things even better.

The new positive-sum world has existed for 0.1% of human history and we have yet to get used to it. It has a consequence that feels unintuitive. In a positive-sum world, it's in your personal selfish best interest that every human on planet earth is well off. It's good for you if people in obscure parts of countries you've never heard of are prospering. There is a genuine selfish argument for making the world a better place. In a positive-sum world, the more people are well-off, the better your own life is, this is because of the nature of innovation; it is fundamentally driven by supply and demand. The supply increases when more people have the freedom and education to contribute. They become inventors, researchers, engineers, or thinkers that come up with new ideas. The demand for ideas increases as people get richer and can pay for new solutions. They increase the size of the market for innovations. Innovation follows incentives. So naturally, if many people want and can pay for something, it will get the innovators' attention and energy. Improving the lives of those who are worst off has a multiplying effect. It increases demand for ideas while at the same time, making it easier for ideas to be produced.

Let us take an example that interests all of us - a cure for cancer. If there are 1 billion people in the world that have the wealth to pay for cancer treatments, innovation will follow this demand. So, hundreds of billions of dollars have been invested in medical research. This had a huge effect, but we are still nowhere near to curing all forms of cancer. Today,

NON-TECHNICAL ARTICLES

every sixth person in the world dies of cancer, and you might be one of them. Now, imagine if demand were higher. Imagine instead of 1 billion people being able to pay for a cure for cancer, there were 4 billion or 7 billion. Imagine how far medicine could have developed if we had invested 7 times as much in curing cancer. On top of that, there's so much human potential being wasted right now. The work of a poor farmer in a developing nation is not useful to you. But if he becomes better off, his children might spend their time in university developing things that are useful to you. Instead of having some hotspots of innovation in the developed world, we would have many hotspots all over the world. The research output of humanity would be many times what it is right now. Could we have cured cancer by now if that were the case? Well, maybe. If we spent 7 times as much on research, had 7 times as many people working on it, and a global network of medical research, things would certainly be further ahead than they are now. And this is the core of the argument: the more people want the same thing that you want, the more likely you are to get it, that is what it means to live in a positive-sum world. You do not gain more pie if poor places stay poor. Instead, you get more pie if poor places get richer, contribute ideas, and grow the global pie. Do you like space travel? Imagine there were billions of people in Africa and Asia with their own space programs, and demand for satellites and moon bases and cities on Mars. Do you like being alive? A few billion people paying for medical research could literally save your life. It is in your interest in people around the world to become better off. The faster we get to this version of the world, the better for you personally. No matter what your motivation is, working on a better world is a very good thing to do -for others, and for you.

-Author

Abhimanyu Singh Negi

(Student)

IEEE STB07021

Department of Computer Science and Engineering

GALGOTIAS COLLEGE OF ENGINEERING AND TECHNOLOGY

NON-TECHNICAL ARTICLES

Real-world study in India finds COVISHIELD vaccine safe and effective

New research led by Naresh Trehan of Medanta-The Medicity in India found the COVISHIELD (ChAdOx1 to-19 Corona Virus Vaccine) vaccine produced an immune response from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) two weeks after vaccination with limited side effects. While national vaccination campaigns officially began on January 16, 2021, limited access has slowed the rollout. The COVISHIELD vaccine is produced by the Serum Institute of India and could help with the rising COVID-19 cases in India and prioritizing vaccines for frontline workers and at-risk groups. The study “A Real-World Evaluation of the safety and immunogenicity of the Covishield vaccine, ChAdOx1 to- 19 Corona Virus Vaccine (Recombinant) in Health Care Workers (HCW) in National Capital Region (NCR) of India: A preliminary report” is available as a preprint on the medRxiv* server, while the article undergoes peer review.

Study design and enrollment:

The study occurred in a hospital in the National Capital Region of Delhi, where 6,962 healthcare workers registered for vaccination. Researchers excluded healthcare workers who had already taken part in a COVID-19 trial, had received immunoglobulins or convalescent plasma within three months of being administered the vaccine or were not able to receive the vaccine for other health reasons. Participants completed a baseline questionnaire on socio-demographics, health information, and history of COVID-19 infection. They also donated 3 ml of blood on the day of vaccination and 14 to 16 days after receiving their first dose. Every person filled out a daily diary to record any adverse events and the severity of the events. A phone line was also available to document any unsolicited adverse vaccine-related reactions, such as vaccine-associated enhanced respiratory disease and symptomatic COVID-19 infection. Laboratory analysis of serum measured Immunoglobulin G (IgG) antibodies specific to the SARS-CoV-2 spike protein.

Seropositivity observed after vaccination:

The serostatus of healthcare workers rose from 48.2% at baseline to 79% two weeks after receiving the first vaccine dose. Healthcare workers who had a history of COVID-19 infection had an even greater seropositivity rate at 98.2%. People considered seropositive at baseline showed a further boost in seropositivity than people considered seronegative at baseline. Based on the results, the researchers suggest having prior exposure to SARS-CoV-2 may prime the immune system to produce an antibody response, with the first vaccine dose acting more like a booster. This confirms evidence of people with a prior infection possibly not needing a second vaccine dose.

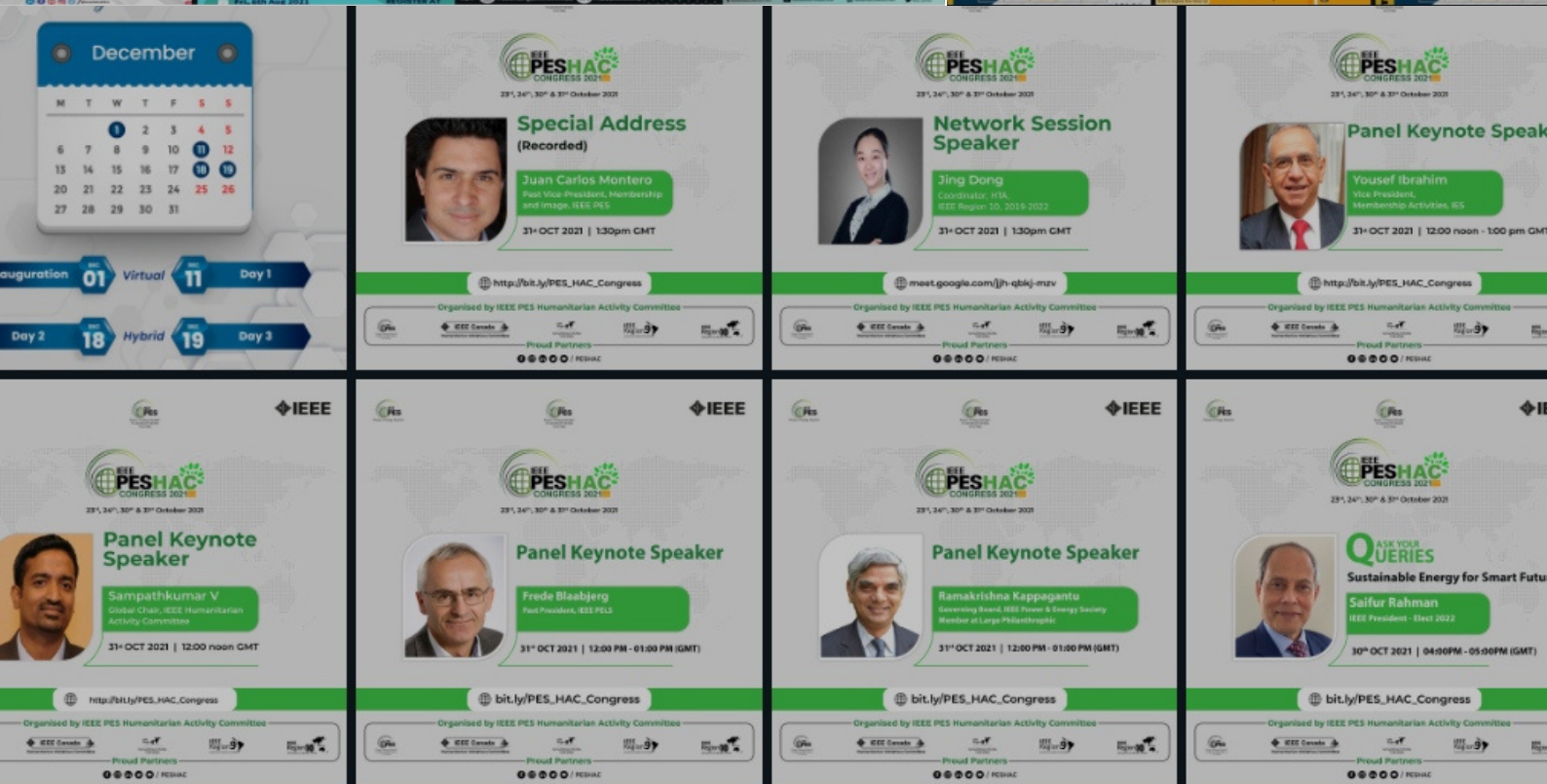
COVISHIELD vaccine shows a good safety profile:

Side effects were often reported two days after receiving a vaccine, and all had resolved soon after. People older than 50 experienced less severe reactions. The most common side effects following vaccination were pain at the injection site and soreness. About 62.7% of healthcare workers reported pain, while 24.1% reported soreness in their daily diary cards. Systemic adverse events reported in the daily diary cards included fever (48.4%), headache (43.4%), myalgia (38.4%), fatigue (33.4%), joint pain (27.0%), and nausea (16.0%). There were no severe adverse events that required hospitalization or a trip to the emergency room. Participants completed a survey on side effects, and 66% had reported at least one symptom after vaccination. The most prevalent were tiredness (45%), myalgia (44%), fever (34%), headache (28%), local pain at the injection site (27%), joint pain (12%), nausea (8%) and diarrhea (3%). There were no reports of vaccine-associated adverse events of particular interest, including vaccine-associated enhanced respiratory disease or symptomatic COVID-19 infection in the first 14 days of the study.

-Author

IEEE STUDENT BRANCH

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The collage consists of numerous small rectangular posters and banners arranged in a grid-like fashion. The posters are for IEEE Day 2021, which is celebrated on October 5th and 6th, 2021. The posters feature various themes and events, including:

- Happy Engineers Day:** Celebrating the 100th anniversary of the IEEE Student Branch of Electrical Engineering at PUNJAB UNIVERSITY.
- Design Hack!** A 2-day hackathon on October 5th and 6th, 2021.
- CodeFiesta:** A coding workshop on October 5th, 2021.
- Quiz:** A quiz competition on October 5th, 2021.
- Web Development:** A workshop on October 5th, 2021.
- Circuitronics:** A workshop on October 5th, 2021.
- Poster Making Competition:** A competition on October 5th, 2021.
- IEEE Day Dues Discount:** A discount for IEEE members and student branches.
- IEEE Student Branch RECBS:** A discount for IEEE Student Branch RECBS members.
- IEEE Day 2021 Celebrations:** A collage of photos and text celebrating the IEEE Day 2021.

The posters are colorful and feature various logos, including the IEEE logo and the IEEE Student Branch RECBS logo. They also include dates, times, and contact information for the events.

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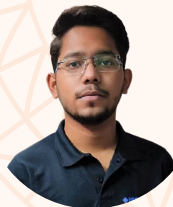
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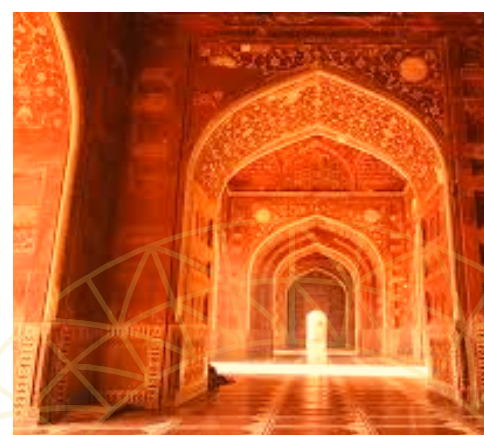
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