

IUSN

THE OFFICIAL IEEE UTTAR PRADESH SECTION NEWSLETTER



IIT-RORKEE



BANARAS HINDU UNIVERSITY



ALIGARH MUSLIM UNIVERSITY

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)

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IMMEDIATE PAST- CHAIRMAN, INDIA COUNCIL
EE DEPARTMENT, IIT KANPUR



DR. SATISH K. SINGH
CHAIR, 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
EE DEPARTMENT, AMU ALIGARH



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



DR. PRABHAKAR TIWARI
SECRETARY, IEEE UP SECTION
EE DEPARTMENT, MMMUT,
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DR. SEEMA AWASTHI
TREASURER, IEEE UP SECTION
IIT KANPUR



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

TABLE OF CONTENTS

Messages

- Prof. S.N Singh, Immediate Past Chairman, IEEE India Council, India
- Prof. S.C Srivastava, Ombudsman, IEEE UP Section, India
- Prof. Asheesh Kr. Singh, Immediate Past Chair, IEEE UP Section, India
- Dr. Satish Kr. Singh, Chair, IEEE UP Section, India
- Dr. Prof. Mohammad Rihan, Vice-Chair, IEEE UP Section

Editor's Messages

- Dr. Rajat Kr. Singh, Chair, Electronic Communication Activities, IEEE UP Section, India
- Prof. Rafik Ahmad, Convener, Section Newsletter and Periodicals Sub-Committee, IEEE UP Section, India
- Dr. Khadim Moin Siddiqui, Member, Section Newsletter and Periodicals Sub-Committee, IEEE UP Section, India
- Prof. Kanika lamba, joint editor of newsletter.

Executive-Committee Meeting

- 2nd Executive-Committee Meeting
- 3rd Executive-Committee Meeting
- 4th Executive-Committee Meeting

List of Student Branches/Chapters

Young Professional Awards

- Manifestation of IEEE Uttar Pradesh Section Young Professional Star for the Month of February 2021
- Manifestation of IEEE Uttar Pradesh Section Young Professional Star for the Month of March 2021
- Manifestation of IEEE Uttar Pradesh Section Young Professional Star for the Month of April 2021
- Manifestation of IEEE Uttar Pradesh Section Young Professional Star for the Month of May 2021

Events of Student Branches

- Babu Banarasi Das Institute of Tech. & Management - Lucknow
- Aligarh Muslim University - Aligarh
- Amity University - Noida
- IIT-BHU
- Dewan V S Group of Institute
- And Many more

How to Become an IEEE Member

Editorial Board

Students Editorial Board



MESSAGES



PROF. S.N. SINGH

IMMEDIATE-PAST CHAIRMAN, IEEE
INDIA COUNCIL
EE DEPARTMENT, IIT KANPUR

I wish to express my gratitude and greetings by this message to all the members on IEEE Uttar Pradesh (UP) Section, and other readers of this newsletter. As this is my parent section, I am very attached to it, and the journey of IEEE was started in India from UP section only. I am very closely associated with the IEEE UP section. IEEE is committed to advancing technology for the benefit of humanity. Through IEEE's diverse humanitarian and philanthropic programs, there are many opportunities to make a contribution—big or small—to improving the human condition worldwide. You can become involved at any stage of IEEE engagement through contributions of your time, talent, and treasure (donation). Together, the strength and reach of the IEEE network can be leveraged to make a difference worldwide. Doing good brings great returns. The vibrancy of the section in almost all the facets of the activities. The IEEE related promotions, membership development, professional, technical, non-technical, social, networking, students and other activities, the section made a great mark. I want to mention that IEEE membership offers access to technical innovation, cutting-edge information, networking opportunities, and exclusive member benefits. Members support IEEE's mission to advance technology for humanity and the profession, while memberships build a platform to introduce careers in technology to students around the world. Considering the professional and ethical practices are concerned, the section is achieving a good benchmark. UP section is working with so many young engineers, which is quite beneficial for the research as well as development culture for the country. I feel proud to say that, the growth of the section is unstoppable now. So as we and many Senior members and Fellows of IEEE in the section. I hope the section will continue to support all the IEEE members and keep promoting the real technical and other interests among the young minds of the section. The leadership under New UP Section Chair, Dr. Satish K Singh, will add some more feathers to it. My best wishes for the future.



PROF. ASHEESH KUMAR SINGH

IMMEDIATE PAST CHAIR, IEEE UP SECTION

It's a proud moment for me and whole IEEE team to know that the Newsletter team of the IEEE UP Section is releasing the 2nd volume of newsletter of 2021 under the leadership of Prof. Satish Kumar Singh, 2021 Section Chair, IEEE UP Section. This newsletter highlights the efforts of members with tremendous support, enthusiasm, dedication, and passion, to make the Uttar Pradesh Section a powerful, vibrant and dynamic community.

I express my appreciation to the newsletter team and extend my best wishes to all the volunteers who have been working hard to continue their efforts – or planning new initiatives on behalf of the Uttar Pradesh Section and IEEE in the Year 2021.

MESSAGES



DR. SATISH K. SINGH

CHAIR, 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 second volume 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.



Prof. Mohammad Rihan

Vice-Chair, IEEE UP section

It is a matter of great pleasure that the second edition of the newsletter of 2021 is ready to be released. The newsletter is an extremely useful document providing a summary of the major events organised, achievements of volunteers and other important information. It is a valuable source for records also. The efforts of volunteers, office bearers, mentors and participants deserves full appreciation for keeping the section vibrant despite major disturbances caused by the pandemic.

The efforts of newsletter team are commendable in collecting the information and presenting it in such an impressive form. My best wishes for the team and for further growth of the section in future.

EDITOR'S MESSAGES



DR. RAJAT KUMAR SINGH

CHAIR, ELECTRONIC COMMUNICATION
ACTIVITIES

Dear Reader,

It's my pleasure to welcome you all in the new era of communication. As the world's largest technical professional organization, IEEE offers a number of ways to get involved with technical and local communities. This time it is in the form of Section's Newsletter. 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 Dr. Rafik Ahmad, Dr. Khadim, Prof Kanika lamba and her wonderful team of student volunteers also who has 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 IEEE UP Sections Newsletter. I am blessed to present various achievements done by IEEE UP Section in second quarter 2020-21. 2021 is experiencing a health and economic crisis due to the COVID-19 pandemic globally. Countries across the world are taking various measures to fight this global crisis. Its 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, awards and premier conferences / events 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 help for taking 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. Their service and dedication to our achievements are truly remarkable and highly appreciated. 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!

It gives me immense pleasure to share with you that the IEEE UP Section Second Newsletter of 2021 is going to release. The notable activities organized in the second quarter by different student branches/Chapters have been included in the present issue. No doubt, many IEEE student branches/chapters are doing tremendously for the benefits of humanity. They have organized a lot of humanitarian activities in all the parts of the IEEE UP Section. The present issue also consists of the details of newly formed office bearers, executive committees. Details and agenda of two executive committee meetings have also been incorporated and meetings were organized under the dynamic and vibrant leadership of Dr. Satish Kumar Singh, Chair, IEEE UP Section, India.

With great pleasure, my sincere thanks with deep gratitude to Prof. S.N. Singh, Immediate Past Chair, IEEE India Council, Prof. S.C. Srivastava, OMBUDSMAN, IEEE UP Section, Prof. Asheesh Kumar Singh, Immediate Past Chair, IEEE UP Section, Prof. Satish Kumar Singh, Chair, IEEE UP Section, Prof. Mohammad Rihan for providing us their message timely.

I extend my sincere thanks to Prof. Rajat Kumar Singh, Chair, Electronics Communication Activities, IEEE UP Section, Prof. Rafik Ahmad, Convenor, Newsletter Committee, IEEE UP Section, Prof Kanika lamba joint editor of newslatter for their constructive suggestions and consistent support.

Last but not least, I would like to thanks with my best wishes to student committee members of the newsletter such as Mr. Shrikant Singh, Mr. Shrey Khanna, Mr. Aviral Das Srivastava, Ms. Aakriti Kushwaha, Mr. Brijesh Yadav, Mr. Avi Agarwal, and Ms. Yashika Yadav. Thank you so much for your direct and indirect support. With Best Regards!



PROF. KANIKA LAMBA

JOINT EDITOR OF NEWSLETTER

It is my pleasure and great privilege to present to you the issue of IEEE UP SECTION MAGZINE. Through this magazine we give view of activities that were organized in the second quarter by our IEEE members of different societies . This edition puts light on activities performed and achievements gain by students for welfare of society on technical as well as on humanitarian grounds. There was lots of gaining and learning . IEEE professional as well as IEEE students volunteers grew on professional and managerial front .

Il whole heartedly thank IEEE for giving us the platform to explore ourselves and present ourselves not only nationally but also globally. I express my gratitude to my mentors Prof. RAFIK AHMED and Prof. KHADDIM MOIN SIDDIQUI for giving me space and guidance to present and groom myself .

I thank IEEE office bearers of 2021 for giving me opportunity ang trusting me . A special thanks to Prof. Satish kumar singh , Chair, IEEE UP Section for his consistent support and guidance.

I also thank students editorial team Mr. Shrikant Singh, Mr. Shrey Khanna, Mr. Aviral Das Srivastava, Ms. Aakriti Kushwaha, Mr. Brijesh Yadav, Mr. Hitansh Dwivedi, Ms. Yashika Yadav, Mr. Avi Agarwal, Ms. Kirti Agarwal.

EX-COM MEETING

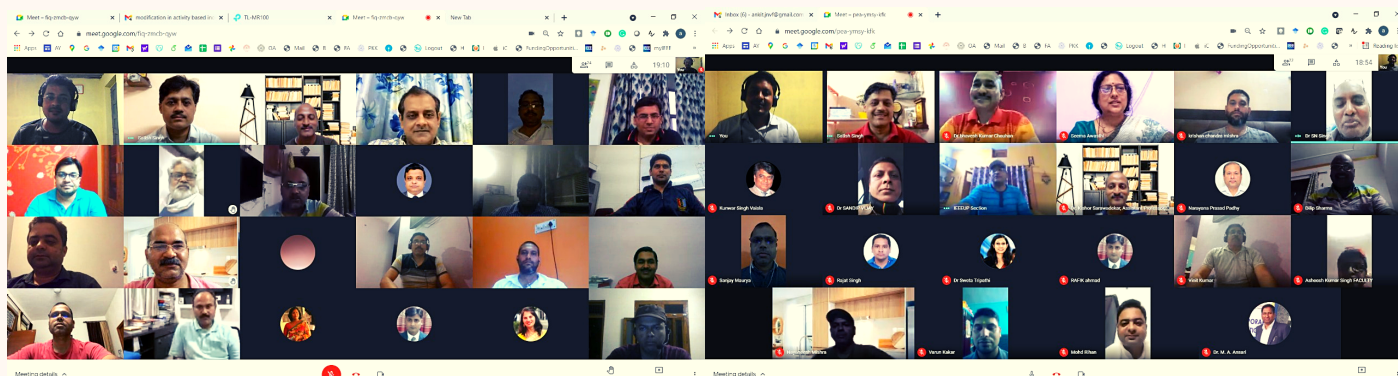
Meeting Detail: 2nd/2021 Executive Committee Meeting

Venue: online / Google-meet

Date: : May 27, 2021 (Thursday); **Time:** 10:30 AM-1:30PM

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-Branches/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

- Galgotias College of Engineering and Technology, Greater Noida, is proposing to organize the International Conference on Advancements in Computing, Communication and Technology (ICACCT-2022) on 22nd and 23rd April 2022 at Galgotias College of Engineering and Technology, Greater Noida. The organizers have requested for Technical Co-sponsorship and paper upload to IEEE Xplore.
- MMMUT Gorakhpur, is proposing to organize the 4th International Conference on Electrical and Electronics Engineering (ICEE-2022) during February 21-22, 2022 (Mon-Tue) at MMMUT Gorakhpur. The organizers have requested for Technical & Financial Co-sponsorship with paper upload to IEEE Xplore.
- College of Engineering Roorkee (COER), Uttarakhand is proposing to organize the International Conference on Artificial Intelligence and Applications (COER-ICAIA 2022) on February 24-25, 2022 at College of Engineering Roorkee (COER), Uttarakhand. The organizers have requested for Financial Sponsorship and Technical Co- sponsorship and paper upload to IEEE Xplore.
- Meerut Institute of Engineering and Technology (MIET) is proposing to organize the 2021 First International Conference on Advances in Computing and Future Communication Technologies (ICACFCT-2021) on December 16-17, 2021 at Meerut Institute of Engineering and Technology, Meerut. The organizers have requested for Technical Co-sponsorship and paper upload to IEEE Xplore
- Galgotia College of Engineering Technology, Greater Noida, is proposing to organize the 3rd International Conference on Advances in Computing, Communication Control, and Networking (ICAC3N-21) on December 17-18, 2021, Galgotias College of Engineering and Technology in Greater Noida, India. The organizers have requested for the technical co-sponsorship with the upload of the papers to IEEE Xplore

Amity University Greater Noida is proposing the following in collaboration with UP Section from 15th December to 17th December 2021

1. An industry academia Meet (Industry board members and academic board member of both Amity & IEEE to participate)
 2. An interdisciplinary conference for scholars from both Engineering & Management background on the theme "Digital Communication".
 3. Amity-IEEE Awards for "Outstanding Researchers". Nominations will be invited from the researchers across the globe to submit their research achievements and the award will be given to the best three Researchers after a rigorous review process.
 4. An industry driven hackathon
 5. Asia's biggest career fair open for the students of all Universities & Institutions.
- Status of UPCON-2021
 - Date and Venue of Next EC Meeting
 - Dr. Satish K. Singh, Chair IEEE UP Section has emphasizes to open Industry Application Society in IIT-BHU

[CLICK HERE FOR MORE DETAILS](#)

EX-COM MEETING

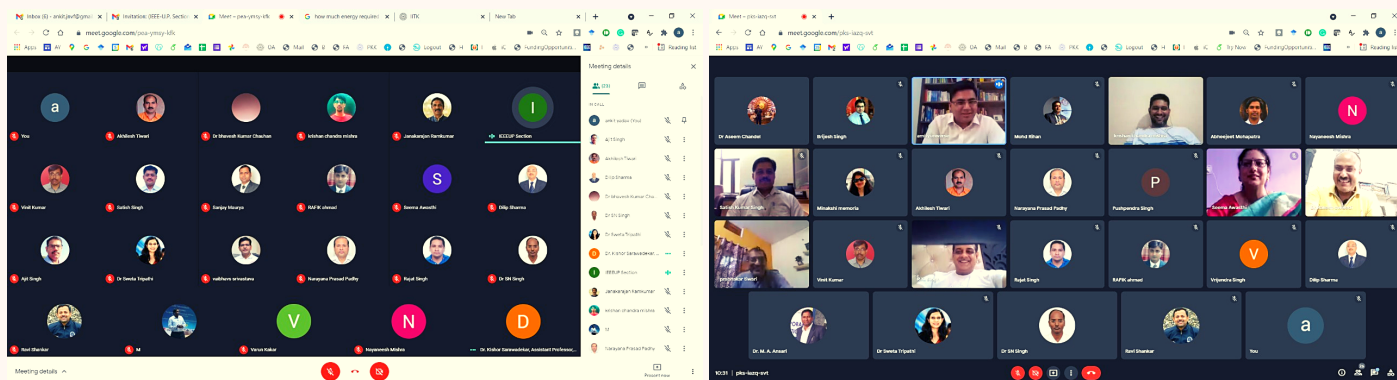
Meeting Detail: 2021, 3rd Executive Committee Meeting

Venue: online / Google-meet

Date: June 19, 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

- Amity University, Greater Noida, is proposing to organize the 2nd International Conference on Innovative Practices in Technology and Management (ICIPTM-2022) on Feb 23-25, 2022 at Amity University,
- Jaypee Institute of Information Technology Noida, is proposing to organize the 2-week Summer School on Industry 4.0: Security and Technological Aspects on August 9-21, 2021 at IIIT, Noida, India.
- The student committee proposed for the Rs. 2000 Coupon to the student branches who are participating in U10 initiative and organising the events.
- The Committee deferred the proposal for next Ex-Com meeting.
- The Student Activity Committee, The SAC proposes an updated initiative that involves financial incentive to make it more effective as below:
 1. All the student OUs participating in U10 initiative will receive reimbursement basis financial support.
 2. They can claim the amount for any IEEE activity next year.
 3. The amount can be fixed at 2000/- or it can be based on membership strength
 4. Google form of U10 calendar - <https://forms.gle/7QJSCWaRspMbYbgW6>
- Discussion on and approval of IEEE UP Section Bylaws 2021.
- Approval of Eminent Speakers Talk Series by the distinguished speakers.
- Update on formation of new chapters in the section.
- Discussion on Technical Workshop/Seminar/Webinar by Sub-Committee Convener.
- Approval of Activity Support Grant (Phase-1) of rupees 15000 each to (a) WIE, (b) SIGHT, and (c) Young Professionals at a rate of rupees 2500/activity on a reimbursement basis after completion of the event and reporting to vTool.
- Update on IEEE Roorkee Subsection.
- Update on subsection formation in IEEE UP Section.
- Update from various Committee Chairs:
 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.
- Status of UP CON-2021.
- Date and Venue of Next EC Meeting.

[CLICK HERE FOR MORE DETAILS](#)

EX-COM MEETING

Meeting Detail: 2021, 4th Executive Committee Meeting

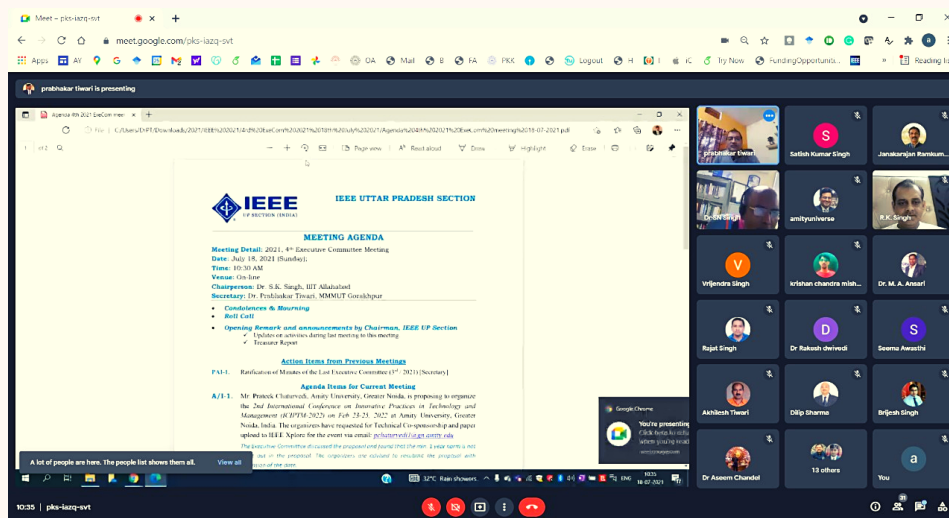
Date: July 18, 2021 (Sunday)

Time: 10:30 AM

Venue: On-line

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

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



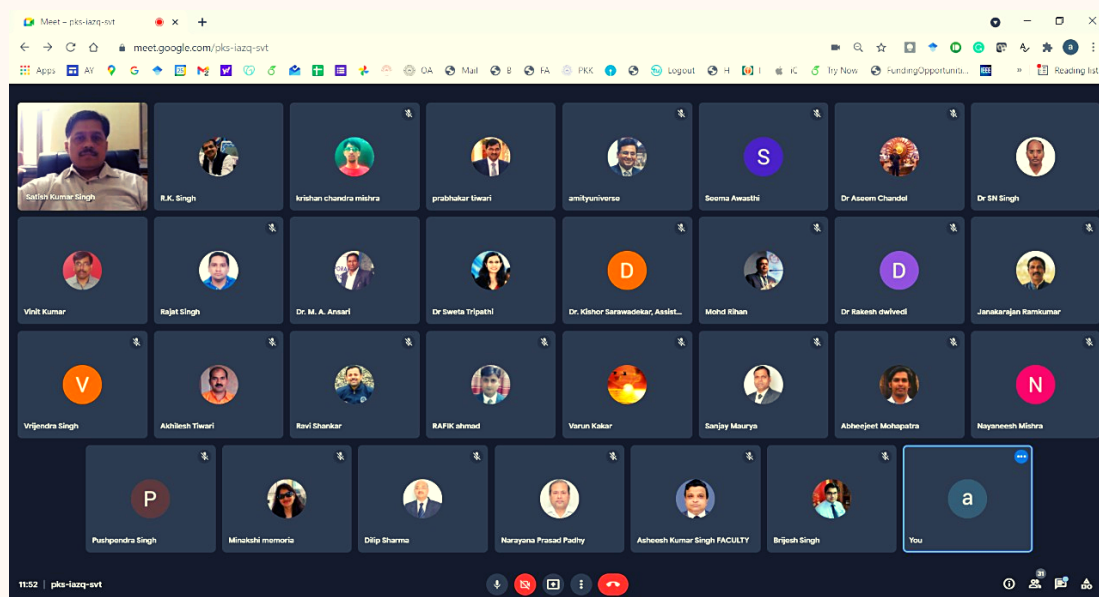
OPENING REMARK BY CHAIRMAN, IEEE UP SECTION

- Welcome of members of Executive Committee-2021 to IEEE UP Section
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- Roles & Responsibilities of Various Committees and Subcommittees
- Committee Details.

EX-COM MEETING

AGENDA ITEMS MEETING

- Amity University, Greater Noida, is proposing to organize the 2nd International Conference on Innovative Practices in Technology and Management (ICIPTM-2022) on Feb 23-25, 2022 at Amity University, Greater Noida, India. The organizers have requested for Technical Co-sponsorship and paper upload to IEEE Xplore for the event via email: pchaturvedi1@gn.amity.edu
- Discussion on and approval of IEEE UP Section Bylaws 2021
- Update on formation of new chapters in the section
- Update on IEEE Roorkee Subsection
- Update on subsection formation in IEEE UP Section
- 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
- A/I-7. Status of UPCON-2021
- A/I-8. Date and Venue of Next EC Meeting
- A/I-9. Any Other Agenda Item(s) - with the permission of the Chair.



[CLICK HERE FOR MORE DETAILS](#)

LIST OF NEW SBS/CHAPTERS

1. College Name : Roorkee College of Engineering
St. Branch / Society: Roorkee Communications Society Student Branch Chapter
Geo-Code: SBC99088
2. College Name : Dewan VS Group of Institutes
St. Branch / Society: IEEE Student Branch
Geo-Code: STB99078
3. College Name : Roorkee College of Engineering
St. Branch / Society: IEEE Student Branch
Geo-Code: STB99088
4. College Name : Bipin Tripathi Kumaon Institute of Technology
St. Branch / Society: Electron Devices Society Student Branch Chapter
Geo-Code: SBC12461F
5. College Name : Babu Banarasi Das Northern India Institute of Technology- Lucknow
St. Branch / Society: Student Branch
Geo-Code: STB99403
6. College Name : Institute of Technology Gopeshwar
St. Branch / Society: Power & Energy Society Student Branch Chapter
Geo-Code: SBC11429
7. College Name : JSS Academy of Technical Education - Noida
St. Branch / Society: Robotics and Automation Society Student Branch Chapter
Geo-Code: SBC05571A
8. College Name : Jaypee Institute of Information Technology
St. Branch / Society: Women in Engineering Student Branch Affinity Group
Geo-Code: SBA01711.
9. College Name : JSS Academy of Technical Education - Noida
St. Branch / Society: Signal Processing Society Student Branch Chapter
Geo-Code: SBC05571
10. College Name : Babu Banarasi Das Institute of Technology & Management- Lucknow
St. Branch / Society: Computer Society Student Branch Chapter
Geo-Code: SBC10214B
11. College Name : Babu Banarasi Das Institute of Technology & Management- Lucknow
St. Branch / Society: Signal Processing Society
Geo-Code: SBC10214A
12. College Name : Babu Banarasi Das Institute of Technology & Management- Lucknow
St. Branch / Society: Power & Energy Society Student Branch Chapter
Geo-Code: SBC10214
13. College Name : Institute of Technology Gopeshwar
St. Branch / Society: Power & Energy Society Student Branch Chapter
Geo-Code: SBC11429
14. College Name : Dayalbagh Educational Institute
St. Branch / Society: Industry Applications Society Student Branch Chapter
Geo-Code: SBC14111

YOUNG PROFESSIONAL AWARDS



Manifestation of IEEE Uttar Pradesh Section Young Professional Star for the Month of *February 2021*

Dr. Somak Bhattacharyya has been selected IEEE Uttar Pradesh Section Young Professional Star for the month of April 2021. We congratulate Dr. Somak Bhattacharyya, IIT BHU, UP for the achievement. His perception about the IEEE, society and young professionals are reflected in this discussion. Here are the excerpts of the interview with Somak Bhattacharyya made by Sumit Kumar Tiwari, IEEE UP Section Young Professionals Committee member.

ABOUT DR. SOMAK BHATTACHARYYA

Somak Bhattacharyya has received Honours in Physics from Scottish Church College, Kolkata in 2003. Next to it, he has received both Bachelor of Technology and Master of Technology from Institute of Radiophysics and Electronics in University of Calcutta in 2006 and 2008 respectively. He had carried out the M.Tech thesis in Giant Metrewave Radio Telescope of Tata Institute of Fundamental Research. He is the recipient of University gold medal due to securing first position in M.Tech. He had also served as a Lecturer in Academy of Technology in 2009. He received his PhD degree in 2015 from Indian Institute of Technology, Kanpur, India. He had continued as Senior Project Engineer (Ad-hoc) in the Department of Electrical Engineering in Indian Institute of Technology, Kanpur for a brief period of 6 months after which he had joined Department of Electronics & Communication Engineering at Indian Institute of Information Technology, Allahabad in December 2015. Since 2016 December, he is working as Assistant Professor in the Department of Electronics Engineering at Indian Institute of Technology (Banaras Hindu University), Varanasi. He has published more than 40 International Journals and 90 reputed peer-reviewed International and national conference proceedings. He has received the prestigious Young Scientist Award from International Union of Radio Sciences (URSI) three times: Electromagnetic Theory Symposium 2013 in Hiroshima, Regional Radio Science Conference 2015 in New Delhi and Asia Pacific Radio Science Conference 2016 in Seoul. Owing to his contributions in the area of radio sciences, URSI has conferred him honorary lifetime membership. He has served as potential reviewers to more than 50 journals including IEEE Transactions on Antennas and Wave Propagation, IEEE Antennas & Wireless Propagation Letters, IEEE Microwave and Wireless Component Letters, IEEE Photonics Technology Letters, Electronics Letters, Nature Scientific Reports etc. He has organized 2020 URSI Regional Conference on Radio Science (URSI-RCRS 2020) in IIT (BHU) Varanasi where nearly 300 delegates were present all over India. Dr. Bhattacharyya is an IEEE senior member and has been elected as Life Fellow of The Optical Society of India. Recently, he has been elected as the Associate Fellow of West Bengal Academy of Science and Technology as well as Fellow of IETE. Since 2021, he is serving as the coordinator of IEEE Region 10 in the Young Professional Group of MTT Society. His current areas of interest lie in metasurface, periodic structures, opto-microwave devices, microwave photonics etc.

1. What are your words of motivation?

I belong to a Bengali middle class educated family from Kolkata while I have been staying in Uttar Pradesh for nearly 12 years owing to my PhD and professional careers. Hence, I carry the basic values of a typical middle class Bengali family. While I was a student, I had a few dreams which I could not accomplish as I feel that in many cases, I did not get the proper guidance.

YOUNG PROFESSIONAL AWARDS

Still, I am very happy wherever I am today. Further, I believe that our students, who are the future of the country, should not be misguided as well as stopped from asking questions and raising issues at all. We should inspire them for the actual knowledge rather than getting more marks. Further, we should guide them to have basic moral senses, which I find missing including us also. It is very easy to blame the students; however, in most of the cases, we do not analyse ourselves. So, self-introspection is extremely necessary for improvement. I must also address the students that they should not get disappointed with their failure. Please remind that a brighter future is always awaiting. Furthermore, it is also to be noted that once any person moves up in the social pyramidal structure, more criticism waits for him. I wish all the very best to all of you for your future endeavours.

2. What was the specific reason, if any, which made you, join IEEE?

While I was in the final year of my B.Tech course in Institute of Radio Physics & Electronics in University of Calcutta, Kolkata, I can recall that there was an offer for free IEEE student membership provided there were at least 50 applicants. Needless to say, at that age, everyone became member without knowing the actual purpose and/or goal of IEEE. In the following year, when I had entered into the first year of the M.Tech program at the same institute, I have been requested by many members including the faculty advisor to take the lead role to serve as Secretary of IEEE Calcutta University Student Branch. Once graduated from there, when I had joined IIT Kanpur, I felt the importance to take the membership of Antennas and Propagation Society and Microwave Theory & Techniques Society too in addition to the IEEE Student Membership as I realize that I can attend a number of events with discounted rate. Further, I can get the opportunity to connect with the people in my area so that I can get exposed to the jobs and opportunities in India as well as abroad. Later, when I joined IIT (BHU), Varanasi, I have taken the membership of IEEE Photonics Society too as I am working in some interdisciplinary research field.

3. As a Young Professional, how do you position your interest in your own field with the activities and services you perform as an IEEE member/ volunteer?

After I have joined as Assistant Professor in IIT (BHU), Varanasi, I had also taken the membership of IEEE Photonics Society apart from the existing ones of IEEE AP and MTT Societies. The first step I had taken was to form an IEEE MTT-S Student Branch Chapter in IIT (BHU), Varanasi where I had observed that many research scholars were working brilliantly, but somehow they were missing the proper guidance. With the formation of the society, we started various events with the enthusiasm from the founding members. I especially want to thank Dr. Bhagirath Sahu, the founding chairperson who had taken a key role to establish the society. As the time progresses, we came to know about the Chapter Chair's meeting where we used to decide in an open forum the representative of the society in National and International forums. I must thank our previous chairpersons Dr. Bhagirath Sahu and Dr. Anshu Sharan who sacrificed their respective travel grants (they availed it from other sources) so that other members could avail the travel grant and represent our activities in IMaRC, the most reputed conference of IEEE MTT Society in India. I always feel that we should involve every student members to take any decision so that no one feels bad.

In the 2019 version of IMaRC, I was the chair of student activities and IEEE MTT-S had provided travel grant to nearly 40 students globally where 8 members of IEEE MTT-S Student Branch Chapter got selected to showcase their research in IIT Bombay and interact with the stalwarts in this field. In the student activities program in IMaRC, Simultaneously, 4 students from the society had received partial support to showcase their research work in APMC 2019 held in Singapore, the largest conference of the MTT Society in Asia. I along with other faculty members from various institutes in IMaRC 2019 used to form few groups of students with heterogeneous mixing and assigned them the task to come out with a new research idea with a 3 minute presentation inspired from the 3 minute presentation event held in IMS, the largest event of IEEE MTT Society. The then education committee chairs Dr. Ramesh Gupta and Prof. Rashaunda Henderson applauded the effort and the first three groups were honoured. It generated potential interests among students and I must appreciate the efforts from IEEE MTT Society to provide the opportunity to the students as getting funds especially for the Indian students nowadays becomes challenging.

YOUNG PROFESSIONAL AWARDS

4. What are your thoughts about IEEE membership and its paybacks? Whether the IEEE membership benefited you at any time in your career growth? If so, how?

The most important aspect of having the IEEE membership is an excellent professional networking. Further, with an IEEE membership, one can avail the discounted rate to register for both technically as well as financially sponsored IEEE conferences. URSI (International Union of Radio Sciences) is a sister organization of IEEE and has a MoU with IEEE AP-Society. In my life, I have been selected as Young Scientist in three distinct URSI conferences; viz., EMTS 2013 in Hiroshima, RCRS 2015 in New Delhi and AP-RASC 2016 in Seoul. In all these conferences, I was funded completely and attended the conferences and thereby got the chance to visit Japan and South Korea.

In 2019, I had organized a special session in TENCON held at Kochi, which is considered the largest gathering in IEEE Region 10. I got the chance to meet many professionals in my area of interest as well as in other areas so that I can get a good platform for making networks. Later, in 2020 February, just before the pandemic, I had organized URSI-RCRS 2020 (<https://conferences.iitbhu.ac.in/URSI-RCRS2020/>) in my own institute where nearly 300 delegates were present and proved to be a successful event. The conference had received sponsorship from top government organizations as well as private industries apart from the technical sponsorships from IEEE and IEEE AP Society. There was sponsorship from IEEE GRSS Society too. The event was later published in IEEE Antennas and Propagation magazine (<https://ieeexplore.ieee.org/abstract/document/9214935>).

Later in the year, as the pandemic has started and affected our daily life badly, a few months later, the volunteers of the IEEE MTT-S Student Branch Chapter IITBHU Varanasi under the able leadership of Dr. Vineet Singh, the then chairperson had resumed the activities where a number of webinars were organized on various aspects of microwave engineering. All these webinars were praised by the attendees as all the speakers were well known and expert in their field of research.

5. As a Young Professional, what are the changes or developments you would like to see in evolving this professional body as a group devoted to humanity and its causes?

In 2021, I have become a part of the Young Professional Society of IEEE MTT Society where I am serving as one of the 10 global volunteers. I have been given the responsibility in Region 10 to enhance the professional activities. I believe that in India, we lag the proper industry-academia programs. Hence, I welcome more people from leading industries to take part and enhance the curriculum. As an example, I have seen that among the 10 volunteers in IEEE MTT-S YP, 5 are from industries while the rest 5 are from academia, thereby maintaining a good balance. I want to introduce this in India too. Moreover, given the opportunity, I am very much interested to organize workshops so that the new generation will be immensely benefited. Already, we had organized an executive committee meeting of the student branch and planned a series of events for the near future. I must add that while forming any committee, there should be a proper heterogeneous mixture from all the organizations with efficient leadership. Unfortunately, in most of the cases, I have seen that this is missing and people used to do monopoly. This aspect must be considered and complied accordingly so that proper harmony can be maintained.

6. What are your suggestions and recommendations for those young professionals who may aspire to join IEEE?

I must say please get updated and inspire the students to take the membership so that under the big umbrella of IEEE, we can flourish together. I always believe that we can only survive as a group rather than individual one where IEEE provides this opportunity.

YOUNG PROFESSIONAL AWARDS

7. As a Young Professional and a young researcher in the field, how do you consider the prospects of scientific research in this field for the benefit of humanity?

In India, we do not have sufficient amount of funding to carry out cutting edge scientific researches in my opinion. However, the students are extremely hard working and thriving their best to accomplish the target. Even in the lockdown, I have observed that students have worked hard and many papers have been published by them. Unfortunately, in India, as I have mentioned earlier, we do not have proper industry-academia collaboration. Further, the competition is very high among the professionals. Hence, the students should be more encouraged and IEEE should consider funding some prospective researchers based upon certain credentials.

8. What is your recent exciting research works that may have significant societal impact?

One of my research problems is on terahertz devices, which can be used for spectroscopic applications. If fabricated, they may be extremely useful for futuristic communication applications. Further, they have some potential applications in biomedical sectors too. In another side, I work in the area of detection of objects which is useful in ground penetrating radar applications.

9. What's the advice you would give to a young professional who is just starting his/ her career?

I must say that some activities like organizing quality webinars should be taken up so that the upcoming generation can get the motivation and can feel the importance of joining IEEE. I should add that they should take challenging problems instead of an easier one and try really hard for accomplishing the target. One should target to publish their work in the highly reputed journals so that they can get useful comments to improve the manuscript quality. Moreover, I shall invite them to please apply for different schemes of grants of Government of India to initiate your research.

10. Anything else that you would like to add?

Please note that knowledge should be transferred in an efficient way from older generation to the newer one. We have that responsibility and we should abide by these. The final and the foremost point is whatever we are doing we should do it honestly.

Jai Hind



YOUNG PROFESSIONAL AWARDS



Manifestation of IEEE Uttar Pradesh Section Young Professional Star for the Month of March 2021

Dr. Khadim Moin Siddiqui has been selected IEEE Uttar Pradesh Section Young Professional Star for the month of March 2021. We congratulate Dr. Khadim Moin Siddiqui for the achievement. His perception about the IEEE, society and young professionals are reflected in this discussion. Here are the excerpts of the interview with Khadim Moin Siddiqui made by Rakesh Kumar Yadav, IEEE UP Section Young Professionals Committee member.

ABOUT DR. KHADIM MOIN SIDDIQUI

Khadim Moin Siddiqui was born in Hamirpur, Uttar Pradesh, India. He received the B.Tech. degree in Electronics Engineering from Azad Institute of Engineering & Technology (AIET), Lucknow (Uttar Pradesh Technical University, Lucknow) in 2007, the M.Tech. degree in Power Electronics & Drives with Honors (Electrical Engineering) from Madan Mohan Malaviya Engineering College, Gorakhpur (Gautam Buddha Technical University, Lucknow) in 2012 and Ph.D. degree in Electrical Engineering funded by Technical Education Quality Improvement Program Phase-II from Institute of Engineering & Technology, Lucknow (Dr. A.P. J. Abdul Kalam Technical University, Lucknow) in 2018. He has published more than 38 research papers in international journals, 15 papers presented in the national as well as international conferences and published three book chapters. He has received best research paper awards in one national and in two 2 international conferences. He has published two books in the field of Electrical Engineering & Technology. Currently, He is working as an Assistant Professor in the Department of Electrical Engineering, Babu Banarasi Das Institute of Technology and Management (BBDITM), Lucknow. He has total 12 years of experience in Institute of Engineering & Technology (IET), Lucknow, Jaipur National University (JNU), Jaipur, AIET Lucknow and NIIT, Bangalore. He is the editorial board member of a international journal and reviewer of many reputed journals such as Elsevier's Mechanism and Machine Theory, IEEE Industry Applications Society, International Journal on Electrical Engineering and Informatics, Indonesia, Global Journals, USA and active reviewer of IEEE International and National Conferences. He is an Advisor of IEEE Student Branch, BBDITM, Lucknow, IEEE Signal Processing Society, and Advisor of IEEE PES. He is an active volunteer and organized many programs of national as well as international levels such as webinars/FDPs, QIP/Conference. He has authored more than 50 research papers in various national, international conference and Journals. He is an IEEE Senior member from November 2020. He has delivered Expert Lectures in the field of power electronics & drives, signal processing in many institutions.. He has attended and participated in more than 40 FDPs/STTPs/Webinars/Conferences. He has chaired session in many international conferences. His research area of interest includes Electrical Machines, fault diagnosis and health monitoring of induction motors and power transformers, signal processing, multilevel inverters and smart grid, Renewable Energy, Energy Efficiency & Conservation.

YOUNG PROFESSIONAL AWARDS

1. What are your words of motivation?

Develop a passion for learning and executing your idea is the key aspects for success. As my usual saying to my students and colleagues 'if you have passion of attaining your goal you can achieve anything'.

2. What was the specific reason, if any, which made you, join IEEE?

IEEE guides us to become ultimate in our carrier. Joining IEEE was a great experience for me and has helped me to model my teaching and carrier. There is a big number of quality of benefits IEEE offers to its members. It's also about networking professional development and soft skill acquisition.

3. As a Young Professional, how do you position your interest in your own field with the activities and services you perform as an IEEE member/ volunteer?

According to my opinion, you can not be successful in your life even in your carrier if you are not a merchant of knowledge. Eagerness of seeking knowledge will make you a better Engineer, academican, better researcher, well informed professional and better human being with great ethics. Being an IEEE professional, I involved myself as a volunteer in number of activities and events planned us or planned by IEEE.

4. What are your thoughts about IEEE membership and its paybacks? Whether the IEEE membership benefited you at any time in your career growth? If so, how?

IEEE benefits includes venue and tools for members to network, build valuable professional connections and leadership skills. IEEE memberships dues are quite reasonable when you consider the quantity and quality of benefits offered to its members. Also, IEEE membership pays for itself. The discounts member receives on IEEE products or attending a conference makes membership a good return on investment.

5. As a Young Professional, what are the changes or developments you would like to see in evolving this professional body as a group devoted to humanity and its causes?

IEEE committed to advancing technologies for benefits of humanity through IEEE's diverse humanitarian and philanthropic programs. There are many opportunities to make contribution big or small for improving the human condition worldwide. Together, strength and reach of IEEE network can be used to make a worldwide difference. 'Always doing good brings good returns'. You can become involved at any stage of IEEE engagement through contribution of your time, talent and treasure.

6. What are your suggestions and recommendations for those young professionals who may aspire to join IEEE?

It is imperative to note that successful implementation of activities involved diverse ideas and approaches. IEEE is build on the strength of its members and their volunteer's efforts throughout the organization. It takes pride in participating in activities that interest your approach. It helps to expand your technical knowledge and gain valuable management and leadership skills. It also helps to build up good connections with others in carrier filed. As an young IEEE volunteer, you will play a key role in the future of organization from technical and student activities to student reach out, membership development and you can impact your area of expertise.

7. As a Young Professional and a young researcher in the field, how do you consider the prospects of scientific research in this field for the benefit of humanity?

For holding an official position at various levels of IEEE's volunteer organizational structure that range from local activities to global volunteer operations. That will impact but your local IEEE group offers to its members. It also takes part in determining the future direction of IEEE. Being a young professional, I involved myself in planning meetings, activities, monitoring students, evaluating awards candidates, chairing a conference session, editing newsletters.

8. What is your recent exciting research works that may have significant societal impact?

My research work includes health monitoring of electrical machines by advanced signal processing techniques, energy efficiency and conservation and multilevel inverters. I already have done a lot of research in the mentioned fields. Thanks to IEEE research papers for providing the key ideas to start my research work.

YOUNG PROFESSIONAL AWARDS

The IEEE has also published my research papers and made my research available globally. No doubt, I collected a lot of knowledge from research papers available on IEEE platforms and that resulted in completion of my research successfully. I do feel very thankful to IEEE for giving me a good platform.

9. What's the advice you would give to a young professional who is just starting his/ her career?

Being an IEEE young professional, I suggest the upcoming young professionals to become member of IEEE to avail benefits that IEEE is offering not only for their professional growth but also for their humanitarian growth. Being a professional for IEEE helps young engineers in providing training for engagements in humanitarian activities supporting and evaluating the technical research cultivating relationship to expert IEEE members and can become a leader in global professional community.

10. Anything else that you would like to add?

There is a big pool of talented young professionals but due to their weaker economic background is not able to avail benefits offered by IEEE. It's my suggestion from my side that IEEE should conduct scholarship test to filter out the star talented professionals. So that they can come in the big pool of knowledge i.e. IEEE.

Finally, Thanks IEEE UP Section for this Honor.



Manifestation of IEEE Uttar Pradesh Section Young Professional Star for the Month of April 2021

Dr. Kavindra kandpal has been selected IEEE Uttar Pradesh Section Young Professional Star for the month of April 2021. We congratulate Dr. Kavindra Kandpal, IIIT Allahabad, UP for the achievement. His perception about the IEEE, society and young professionals are reflected in this discussion. Here are the excerpts of the interview with Kavindra Kandpal made by Kamlesh Kumar Singh, IEEE UP Section Young Professionals Committee member.

ABOUT DR. KAVINDRA KANDPAL

Dr. Kavindra Kandpal is a senior member of IEEE and has a teaching experience of more than 8 years. He received his B.Tech. degree in Electronics and Communication Engineering from Kumaon Engineering College Dwarahat with distinction in year 2010. In 2012, he received his M.Tech. degree in Microelectronics specialization from Indian Institute of Information Technology Allahabad. He was also awarded with 'Chancellor Gold Medal' in the 7th convocation of IIITA. He joined the ECE department of IIIT-Allahabad as an Assistant Professor on 16th Dec. 2019.

YOUNG PROFESSIONAL AWARDS

Before joining IITA, he has been associated with Birla Institute of Technology and Science (BITS) Pilani, Pilani Campus, as a lecturer/ Assistant Professor in the Electrical and Electronics Engineering Department, since Sep. 2013. He completed his Ph.D. program in the EEE department of BITS Pilani, in the area of oxide-based thin-film transistors in 2018. During his Ph.D., he worked closely with CSIR-CEERI Pilani for the experimental work related to TFT fabrication. His research interests include thin-film deposition, characterization, semiconductor devices and display electronics. Apart from his interest in semiconductor devices, he also possesses strong analog, digital circuit design and layout design skills. For the two successive years, 2017 and 2018, he has successfully guided the teams comprising of undergraduate (B.E.) and postgraduate (M.E.) students from BITS Pilani and won Cadence India Design Contest. Currently, he is actively working in solid-state applications of topological insulators, device-to-circuit integrated design with applications ranging from display electronics, biosensors, and photodetectors. He has more than 35 research publications in peer reviewed journals and international conferences.

1. What are your words of motivation?

Please do not hesitate to experiment in life. Do not be afraid of failures. Only failures can give you the courage and motivation to achieve something great. Collaborate with experts in your field, experiment with dynamic ideas, persevere with your ideas and most importantly, while doing this, never compromise on your integrity. As you aim higher, do remember that victory without virtue has no meaning and it would never be beneficial to the society in the long run. I wish you all the best for all your future endeavours.

2. What was the specific reason, if any, which made you, join IEEE?

IEEE is one of the largest technical organization related to advancement of electrical and electronics engineering technology. I found various sister societies of IEEE helpful in developing my research area and understanding of the advanced topics. It includes the electronic device society, circuit and system society and solid state society. Reading regular IEEE newsletter and relevant research papers keeps me updated and help in evolving my research dimensions.

3. As a Young Professional, how do you position your interest in your own field with the activities and services you perform as an IEEE member/ volunteer?

As a young professional, I can say, I am still learning and exploring most of the emerging IEEE designated areas like flexible electronics, topological insulators and data converters/ modulator design. In terms of being an IEEE member / Volunteer I am serving actively as a reviewer of various IEEE journals and conferences. Moreover, recently I have taken the role of Secretary, IEEE Photonics Society Chapter UP Section.

4. What are your thoughts about IEEE membership and its paybacks? Whether the IEEE membership benefited you at any time in your career growth? If so, how?

Sometimes some young professionals can't see the direct benefits instantaneously. But, those who follow IEEE routinely will find it extremely useful. For example, the IEEE membership gives one the access to one of the biggest research database through IEEE xplore. Almost 2 out of 4 times I consult the articles from IEEE xplore. Moreover, along with this membership if one takes the membership of specific society related to his/her research interest/s, it gives one monthly updates in the relevant research area/s. Needless to say, as a member or a senior member one finds recognition among the peers. So, I would say, directly and indirectly, this membership has helped me a lot in career growth.

5. As a Young Professional, what are the changes or developments you would like to see in evolving this professional body as a group devoted to humanity and its causes?

As a young professional I would like to say that we should not ignore the things happening in our society.

YOUNG PROFESSIONAL AWARDS

Ignoring something is never a solution. We should extend our technical skills for the cause of society. For example, this year and last year has caused lots of disturbance due to COVID. We must help the needy people in such situation as a group and need to develop the awareness in our society. Moreover, we must stand together with the government and initiate awareness program in society like motivating them for vaccination, and follow the COVID protocols. This would go beyond our regular academic endeavours and research agenda, and help us situate ourselves more strongly within the society.

6. What are your suggestions and recommendations for those young professionals who may aspire to join IEEE?

I would advise, without any hesitation, join IEEE. IEEE covers all the area of advancement in electrical and electronics engineering. You do get a very good chance of networking with the peers by participating in various events like workshop, conferences, webinars organized by IEEE. You can find and connect with the people working in your research area. Also, you can keep yourself updated by reading various state-of-art articles published in IEEE journals and conference proceedings.

7. As a Young Professional and a young researcher in the field, how do you consider the prospects of scientific research in this field for the benefit of humanity?

As a young professional we should definitely address the societal problems. When we talk about addressing the societal problems for the benefit of humanity the observation is a key. Through a close observation of your surrounding only, you will be able to find the problem statement. Most of time the societal problems are interdisciplinary in nature and could be messy. The solution could be very simple or complex. It may or may not fall in your research area. Therefore, to solve such interdisciplinary problems you may need to interact with societal or industrial stakeholders, collaborate with other faculty, discipline or institutions.

8. What is your recent exciting research works that may have significant societal impact?

My recent works are mostly in the area of printable and flexible electronics. It uses a-IGZO based TFTs to develop circuits and systems on a flexible substrate. All the societal problems where the solution needs circuits, sensors and systems can be made over a flexible substrates and lead to wearable electronics. Moreover, you can also integrate these circuits and systems with conventional electronics. For example, one of the recent work that we had presented in IEEE Latin America Electron Devices Conference (LAEDC). April 19-21, 2021, shows the device-to-circuit integration of a silicon nanowire biosensor with CMOS preamplifier. I have seen most of the time undergraduate students also come with some nice ideas. E.g. one group of my students found that the small scale industry lags in the automation due to the high cost. So they developed a low-cost IoT enabled, integrated industrial automation for small scale Fast Moving Consumer Goods (FMCG) industry.

9. What's the advice you would give to a young professional who is just starting his/her career?

My advice to all the young professional is to stay focused and develop their skills. They must interact, interact and interact. This will reflect in their understanding and learning. And finally for achieving the larger goals they should never hesitate on collaboration. Sharing skillset will lead to a better final product or solution.

10. Anything else that you would like to add?

It is indeed an honor and I would like to thank the IEEE Uttar Pradesh section young professional committee to consider me worthy of this award.

YOUNG PROFESSIONAL AWARDS



Manifestation of IEEE Uttar Pradesh Section Young Professional Star for the Month of *May 2021*

Dr. Sumit Soman has been selected IEEE Uttar Pradesh Section Young Professional Star for the month of May 2021. We congratulate Dr. Sumit Soman for the achievement. His perception about the IEEE, society and young professionals are reflected in this discussion. Here are the excerpts of the interview with Sumit Soman made by Varun Kumar Kakar, IEEE UP Section Young Professionals Committee Chair.

ABOUT DR. SUMIT SOMAN

Sumit Soman holds a Ph.D. in machine learning from the Indian Institute of Technology, Delhi and is currently a Senior Data Scientist with Ericsson. Prior to this, he was with the Health Informatics Group at the Centre for Development of Advanced Computing, Noida since 2011. His research interests include Machine Learning, 5G, Brain Computer Interfaces and Health Informatics. He was awarded the Director General CDAC Young Innovator Award in 2019. He is a Senior Member of the IEEE, Member, ACM and an Editor of the IETE Journal of Research.

1. What are your words of motivation?

Scientific research enables using technology to address and enable human needs, one should pursue it with enthusiasm, determination and zeal!

2. What was the specific reason, if any, which made you, join IEEE?

IEEE provides a global platform to connect with leading researchers in my areas of interest. It also conducts several technical conferences (both national and international) and events that publish research papers, as well as provide a forum to discuss current and future research trends. I joined IEEE in 2012 as a Graduate Student Member, and became a Senior Member in 2020.

3. As a Young Professional, how do you position your interest in your own field with the activities and services you perform as an IEEE member/ volunteer?

As an IEEE Member, I have been involved with sectional activities as well as with international IEEE standardization working groups and Industry Connect initiatives for Brain Machine Interfaces. These activities have helped me supplement my research interests and provided opportunities to collaborate with eminent researchers.

4. What are your thoughts about IEEE membership and its paybacks? Whether the IEEE membership benefited you at any time in your career growth? If so, how?

The IEEE membership gave me several benefits throughout my academic and professional journey. Initially, I primarily used it for travel grants and reduced registration rates at technical conferences. As I explored further, I was able to join technical societies of the IEEE and benefit from their services as they conducted various events and published highly relevant research articles. I was able to participate in working groups that are developing IEEE standards in Brain Computer Interface and Health Informatics areas, which complemented my professional efforts.

YOUNG PROFESSIONAL AWARDS

I was also able to grow my professional network using IEEE Collabratec, as well as deliver talks and participate or mentor students in hackathons and other events.

5. As a Young Professional, what are the changes or developments you would like to see in evolving this professional body as a group devoted to humanity and its causes?

IEEE, including our UP Section, has grown significantly, both in terms of members and scope of activities conducted. I believe that the Young Professionals have a key role to play in participating and steering the activities of IEEE as we are strategically placed between industry and academia. Several new efforts have been spearheaded including webinars, industry-academia connect groups, mentoring and internship opportunities, student branch chapters and other affinity groups. I would like to see all members actively participate and utilize these avenues based on their interests in order to enable the realization of the benefits of technology to society at large.

6. What are your suggestions and recommendations for those young professionals who may aspire to join IEEE?

I would encourage young professionals to join and actively participate in IEEE activities, both at the sectional level and on global platforms. . It presents a potential win-win situation for all stakeholders, and is also important to translate research from lab to field environments. Young professionals can leverage the rich expertise of IEEE fellows and senior members to become successful and established researchers through active participation and volunteering.

7. As a Young Professional and a young researcher in the field, how do you consider the prospects of scientific research in this field for the benefit of humanity?

I strongly believe that scientific research is driven by societal needs and problems facing humanity. Having worked in the health informatics domain and witnessed the recent crisis due to the pandemic outbreak, the need for technology-driven enablement has become more important than ever. Telemedicine and remote consultations have gained importance, and scalable solutions are required as the demand is high. Thus scientific research has to act as an enabler, such as the use of advances in communication technologies and mobile platforms in this case.

8. What is your recent exciting research works that may have significant societal impact?

I have been involved with various research projects in the health informatics domain over almost the past decade. The healthcare sector in India is evolving and adapting to the available technological advancements. I was fortunate to have worked on research projects involving development of Brain Computer Interfaces in 2012-14 when this domain was in its nascent stage.. In addition, I was also involved in designing and developing mobile applications for hospital management systems at CDAC, which are used at various public hospitals in India. These solutions have helped adoption of technology at scale and proven to be beneficial over prevailing manual workflows.

9. What's the advice you would give to a young professional who is just starting his/ her career?

One's professional career is significantly determined by taking proactive steps to enable growth and progression. In today's age, technology changes rapidly and so do its applications and implications. As young professionals, we must keep abreast with latest technological developments and be able to think of ways and means of scaling up its adoption for the benefit of society. We should use all available platforms, including IEEE, to connect and collaborate with other technocrats, and discuss ideas and their execution strategies. These would surely help advance and shape our career to give the desired benefits.

10. Anything else that you would like to add?

I am grateful to the IEEE UP Section, including India Council Chairman Prof. S. N. Singh, current and past session chairs Prof. Satish Singh and Prof. Asheesh Kumar, Young Professionals Committee Chair Prof. Varun Kakar, and all office bearers to have considered me for the Young Professional Star of the Month for May 2021.

EVENTS OF STUDENT BRANCHES

Babu Banarasi Das Institute Of Technology & Management - Lucknow



IEEE PES DAY 2021 CELEBRATION



SPEAKERS

DAY - 1



PROF. FREDE BLAABJERG
GLOBAL ENERGY PRIZE WINNER IN
2019,
AALBORG UNIVERSITY, DENMARK



PROF. MOHAMMAD RIHAN
VICE CHAIR, IEEE UP SECTION
AMU, ALIGARH



PROF. S.N. SINGH
PAST CHAIRPERSON IEEE INDIA
COUNCIL, INDIAN INSTITUTE OF
TECHNOLOGY AND MANAGEMENT

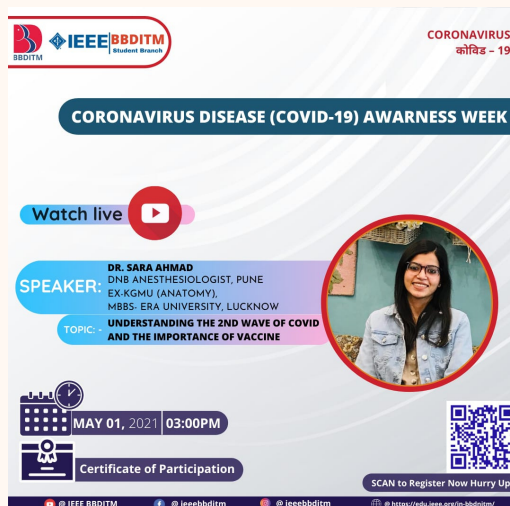


AGENDA

A 5-day IEEE PES DAY 2021 CELEBRATION was organized by IEEE PES Chapter (BBDITM) in collaboration with IEEE BBDITM STB from April 18, 2021, to April 22, 2021. The starting 3 days were panel discussions and the remaining two days were "Poster Competition" and "Innovative Ideas for Project" on the topic "Clean Energy Revolution". The event includes renowned speakers and judges from different erudite backgrounds. The main aim of this virtual event was to spread the awareness about conservation of energy and to educate everyone about the latest trends in the safe, sustainable, economic, and reliable conversion, generation, transmission, distribution, and storage of electrical energy and also how to take initiative to conserve energy resources. Hence this event helped the participants to develop an awareness about how best to build an energy- awareness campaign to encourage people to save energy in their organization and enhance cognizance level amongst public on energy efficiency & its management.

EVENTS OF STUDENT BRANCHES

Babu Banarasi Das Institute Of Technology & Management - Lucknow



कोविड - 19 जागरूकता सप्ताह

DAY - 1



SPEAKERS



DR. SARA AHMAD

**DNB ANESTHESIOLOGIST, PUNE
Ex-KGMU (ANATOMY),
MBBS- ERA UNIVERSITY, LUCKNOW**



AGENDA

The awareness program was a basic step taken for the sake of humanity. It was organized to break the myths and showcase the true side of the information related to the Covid-19. Speaker Dr. Sara Ahmed(DNB, Anesthesiologist, Pune) was invited to conduct a virtual awareness session. She recommended people to seek all the necessary precautions to avoid the spread of this virus and to stop the second wave of Covid19 to gain speed. All the people were advised to take the vaccination as soon as possible notifying them all the benefits of the vaccine by clearing out their doubts.

This program not only accumulated students but also gathered the people of different age groups who wanted to double-check the various information spreading out there.

EVENTS OF STUDENT BRANCHES

Babu Banarasi Das Institute Of Technology & Management - Lucknow

CORONAVIRUS
कोविड - 19 जागरूकता सप्ताह

हम आपसे निवेदन करते हैं कि आप इस जागरूकता सप्ताह को अपने परिवार के साथ देखें !

लाइव देखें

वक्ता डॉ. विकास तिवारी
SUPDT, COMMUNITY HEALTH CENTER
BHITI, AMBEDKAR NAGAR UP

विषय: कोविड - 19 जागरूकता

मई 03, 2021 **शाम 05:00 बजे**

सहभागिता का प्रमाणपत्र

अध्यक्ष: सहायक
• कोविड रीकॉर्ड अद्यतन
• कोविड रीकॉर्ड रोकना
• कोविड रीकॉर्ड
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CORONAVIRUS
कोविड - 19 जागरूकता सप्ताह

हम आपसे निवेदन करते हैं कि आप इस जागरूकता सप्ताह को अपने परिवार के साथ देखें !

लाइव देखें

वक्ता डॉ. वीरेंद्र वर्मा
BSC MBBS, AMD (MEDICINE)
ASSISTANT DOCTOR, MEDICAL COLLEGE
AYODHYA UP

विषय: कोविड - 19 जागरूकता

मई 03, 2021 **शाम 06:00 बजे**

सहभागिता का प्रमाणपत्र

अध्यक्ष: सहायक
• कोविड रीकॉर्ड अद्यतन
• कोविड रीकॉर्ड रोकना
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कोविड - 19 जागरूकता सप्ताह

DAY - 2



SPEAKERS



डॉ. विकास तिवारी

SUPDT, COMMUNITY HEALTH CENTER
BHITI, AMBEDKAR NAGAR U.P



डॉ. वीरेंद्र वर्मा

BSC MBBS, AMD (MEDICINE)
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AGENDA

As the coronavirus disease continues to evolve, awareness campaigns are an impactful way to spread the right information among people to avoid the myths. This event involved the participation of various people of different age groups determined to clear out the clutter of misconceptions and myths about the virus. They were guided by two doctors throughout the session named Dr. Vikas Tiwari and Dr. Virendra Verma. These corona warriors helped the participants to boost up the confidence and encouraged them to fight this pandemic with all their determination. All the terms and precautions were readily conveyed and explained as well the importance of vaccination was the prime focus.

EVENTS OF STUDENT BRANCHES

Amity University - Noida



IEEE 9TH INTERNATIONAL CONFERENCE ON RELIABILITY, INFOCOM TECHNOLOGIES AND OPTIMIZATION (ICRITO'2021)

TOPICS OF CONFERENCE

Topics: Quality And Reliability, Infocom Technologies (IT), Mathematical Modelling And Optimization Networks, Communications And Cyber Security, Safety And Risk Analysis and Humanitarian Technologies

EVENT DESCRIPTION

In this globally competitive environment scientific analysis of system under study is the key issues in attaining market leadership. This competitive advantage through quality process, product and services in the market place is possible through the development of knowledge bases and easy access to structured databases on systems, processes and technology based on quantitative study. Further due to ever emerging new trends of fashion and taste as well as technology, predicting future with certainty can be the daydream. This theme is most appropriate in the current context as well as in the future. The Conference will not only take stock of trends and developments at the globally competitive environment, but will also provide future directions to young researchers and practitioners. Besides, it will help in sharing of experience and exchange of ideas, which will foster National collaboration. The Conference would be of immense benefit to Management, Researchers, Academicians, Industry and participants from Technical Institutes, R & D Organizations and students working in the field of IT. Accepted and presented papers will be published in the Conference Proceedings provided at least one of the authors register and undertake to present the paper. Conference Kit will be provided only to the registered authors.

EVENTS OF STUDENT BRANCHES

IIT (BHU), Varanasi



DESCRIPTION

- Dr. Somak Bhattacharyya (Senior Member, IEEE), Assistant Professor IIT (BHU), Varanasi has been elected as the prestigious Associate Fellow of West Bengal Academy of Science and Technology.
- Dr. Somak Bhattacharyya is working as coordinator of Region 10 of IEEE MTT-Society Young Professional activities
- Dr. Somak Bhattacharyya has been selected for the IEEE UP Section Young Professional Star of the Month of February 2021

EVENTS OF STUDENT BRANCHES

Dewan V S Group of Institute

DEWAN VS INSTITUTE OF ENGINEERING & TECHNOLOGY

**PARIKSHA 2021
ONLINE QUIZ COMPETITION**

TOPICS :
-PHYSICS
-CHEMISTRY
-MATHEMATICS

6th June 2021
at
11:00 AM

Eligibility :
12th CBSE and State Board

Our Top Recruiters Helpline Nos. 9520854862, 9520854861

Website : <https://dvsiet.dewaninstitutes.com>
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SPEAKER

- Krishna Mohan Pandey



DESCRIPTION

- Organize an event on 5 Jun 2021 Parikasha 2021 on DVSiet Meerut.

AND MANY MORE.....



EVENTS OF STUDENT BRANCHES

Congratulations on becoming IEEE Young Professionals

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IEEE BODITM
Student of Electrical Engineering

MAHARAJAN VIKRAM
Vice Chair 2019-20
IEEE BODITM
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MAHARAJAN VIKRAM
Treasurer 2019-20
IEEE BODITM
Student of Electrical Engineering

INTERNATIONAL YOGA DAY

INTERNATIONAL YOGA DAY

IEEE DELTA SECTION YP AG EXECOM 2021

UI/UX WORKSHOP

University Visvesvaraya College of Engineering

IEEE BODITM

IDEANEST

IEEE UP Section

IEEE YP Table Talk 1.0

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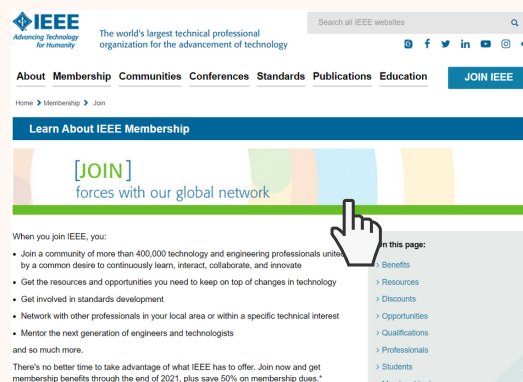
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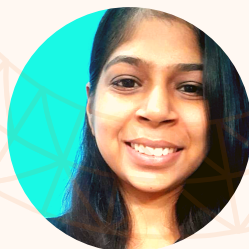
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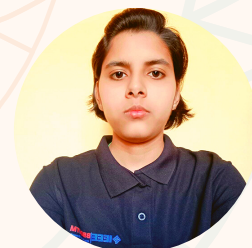
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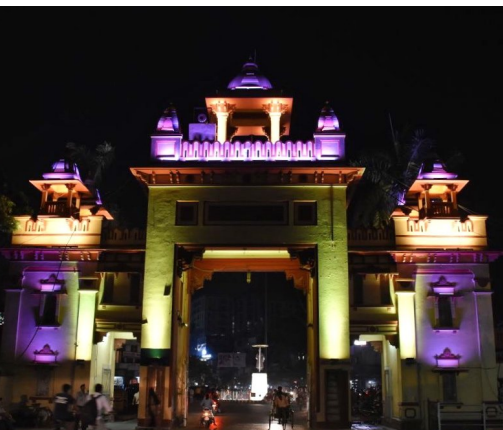
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