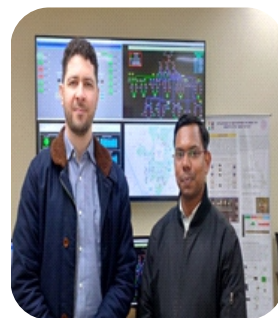


IEEE UTTAR PRADESH SECTION NEWSLETTER VOLUME IV ISSUE I



GLIMPSES OF ANNUAL GENERAL MEETING 2020



STUDENT BRANCH ACTIVITY @ iitk



GLIMPSES OF ICE3



John Day posted
6 minutes ago

IEEE Uttar Pradesh Section earns its first Discover Badge



IEEE Discover is the first in a series badge recognition initiative that will take participants on a journey of exploration to learn what IEEE offers in relation to its members, various resource and content as well as available topical discussion forums.

FIRST DISCOVER BADGE @ AKSHITA

Office Bearers for 2020



Prof. S. N. Singh
(Chairman, India Council)
Vice Chancellor
MMMUT, Gorakhpur



Prof. Kumar Vaibhav Srivastava
(Immediate Past Chairperson)
EE Department, IIT Kanpur



Prof. Asheesh Kumar
(Chairperson)
EE Department, MNNIT Allahabad



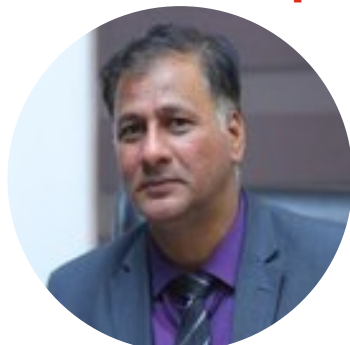
Dr. Satish K. Singh
(Vice President)
IT Department, IIITA, Allahabad



Dr. Abheejeet Mohapatra
(Vice President)
EE Department, IITK, Kanpur



Dr. Prabhakar Tiwari
(Secretary)
EE Department, MMMUT, Gorakhpur

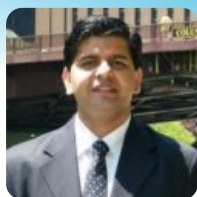


Dr. Pramod Kumar
(Joint Secretary)
KEC, Ghaziabad.



Dr. Seema Awasthi
(Treasurer)
IITK, Kanpur

COMMITTEES CONVENERS & EX-COM Members



Dr. K. V. Srivastava
India Council Representative
IEEE India Council



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Convener, Award &
Recognition Committee



Dr. Satish K. Singh
Convener, Professional
Activities Committee



Dr. Aseem Chandel
Convener, Student
Activities Committee



Dr. Dilip Kr. Sharma
Convener, Publication &
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Dr. Rajat Kumar Singh
Convener, Membership
Development Committee



Dr. Danish Ather
Convener, Web &
Newsletter Committee



Mr. K. C. Mishra
Convener, Young
Professional Affinity Group



Er. Himanshu Mishra
Convener, Industry
Relation committee



Dr. Aparna Dixit
Convener, WIE
Affinity Group



Dr. Minakshi Memoria
Convener, SIGHT
Group



Dr. R. Mohanty
Convener, Educational
Activities Committee



Prof. N.P. Padhy
Chairperson, Roorkee
Subsection



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Ombudsman



Dr P Nagbhushan
Member



Dr. Ajai Jain
Member



Dr. Abhay Karandikar
Member



Dr. Rajeev Tripathi
Member



Dr. A K Chaturvedi
Member



Dr. A. R. Harish
Member



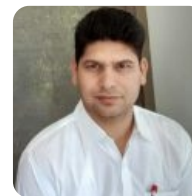
Dr. Mohd. Rihan
Member



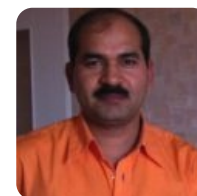
Dr. Vinay Rishiwal
Member



Dr. Rajesh M. Hedge
Member



Dr. Varun K Kakar
Member



Dr. Akhilesh Tiwari
Member



Mr. Ankit Yadav
Student Member



Mr. Chandra Sekar S
Student Member

IEEE India Council Chairperson Message



Prof. S. N. Singh
(Chairman, India Council)
Vice Chancellor
MMMUT, Gorakhpur

I feel proud of writing and conveying my heartiest greetings and good wishes in the form of this message to all the members on IEEE Uttar Pradesh Section, and other readers of this annual report of the IEEE Uttar Pradesh section. Personally I am very close to the UP section, as this is my parent section and I started my journey of IEEE from this section only. Since, I was very closely associated with the IEEE UP section in various capacities, I could observe the growth and feel the vibrancy of the section in almost all the facets of the activities, and needless to mention that, from the last few years the section is growing like anything. In terms of the IEEE related promotions, membership development, professional, technical, non-technical, social, networking, SIGHT, WIE, YP, students and other activities, the section made a mark, which is really distinct and eye-catching for all of us. As far as the professional and ethical practices are concerned the section is following a good benchmark. The section is associating so many young engineers, which is certainly beneficial for the research and development culture for the country and the society at large. I feel that the growth of the section is unstoppable now. I hope the section will continue to support all the IEEE members and keep promoting the real technical interests among the young lot of the section. My best wishes for the ever growth of the section.

IEEE Uttar Pradesh Chairperson Message



Prof. Asheesh Kumar
(Chairperson)

Greetings to All Members of the IEEE Uttar Pradesh Section. A big thank you to each member for making Uttar Pradesh Section a vibrant and dynamic community. It was my great privilege and honor to serve the IEEE Uttar Pradesh Section, in the role of Section Chair, in 2019. I want to thank you ALL for your continued support, enthusiasm, dedication, and passion behind our success, as being a volunteer-based organization; we could not survive without you. It is these volunteers that organize new professional, technical, and social activities throughout the section. I express my appreciation 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 Uttar Pradesh Section and IEEE, in the Year 2020.

I am grateful to the dedicated Executive Committee members who have worked towards addressing the challenges and securing the enduring and meaningful improvements in the reputation of the IEEE Uttar Pradesh Section - and IEEE as a whole. Many thanks to the hard work of our past chairpersons, who have shown exceptional leadership in leading the Uttar Pradesh section. Their vision and goals will always lead us to achieve new heights. Also, we are thankful to the offices of the IEEE India Council and IEEE Region 10 for their continuous support.

The year 2019 was special for Uttar Pradesh Section. I want to highlight a few of our new accomplishments over the last year, other than regular ones:

Uttar Pradesh Section was recognized by IEEE for growing membership and meeting its recruitment goal for the 2019 membership year, based on Section's four-year performance. The U.P. Section has shown steady growth in membership having more than 3400 members, with 1800+ Student members, 200+ Senior Members, and 3 Fellows, by the end of 2019. Presently, we have 1 Subsection, 12 Section Chapters with 80 Student Branch Chapters, 82 Student Branches, and WIE & YP Affinity Groups. I appeal to all these Organizational Units for increased collaboration to provide a better value of membership for our members. Moreover, I would like to inspire all volunteers to participate in various IEEE activities at local and global platforms. In 2019, the IEEE Uttar Pradesh Section was awarded \$3500 by IEEE R10 under Section Initiative Grant Program. By the collective efforts of all the conveners, students' branch officers, and our members, we were able to report about 600+ activities. I thank our all-volunteer colleagues for making great efforts to organize events for their local IEEE community.

I appreciate the untiring efforts of Dr. Satish K Singh in report preparation and it's a timely submission for this award. Our Student members participated in 1 Day Lab visits to Nokia R&D Lab, Bangalore, organized by the IEEE India Council, on April 13, 2019, and May 07, 2019, to get a view of "Campus to corporate" life transition. Moreover, they participated in All India Student/YP/WIE Congress 2019 on September 28 - 30, 2019, at Hyderabad. Also, our WIE volunteers participated in IEEE WIE International Leadership Summit 2019 in Bangalore during August 30-31, 2019. IEEE Region 10 International Workshop on Panel of Conference Organizers "POCO-2019" was hosted by the MMMUT Gorakhpur on Sep. 25, 2019, under the mentorship of Prof. SN Singh, to encourage and felicitate quality conferences in section. Our flagship Conference "UPCON 2019" has been successfully organized by AMU Aligarh. We are delighted with the addition of one IEEE Fellow in our Section In 2019, as Prof. Kartikeyan M. of IIT Roorkee for contributions to high-power millimeter-wave and terahertz sources.

Our colleagues Prof. J. Ramkumar and Mr. Ankit Yadav earned the Outstanding Volunteer Award and the Outstanding Student Volunteer Award, respectively, from IEEE India Council. These awards were the results of their continuous and dedicated endeavors. Congratulations to winners for bringing this proud moment for IEEE Uttar Pradesh Section. We are privileged to have Prof. S.N. Singh-Chairperson - IEEE India Council, for our guidance and direction. For the first time, in 2019, the Chairperson - IEEE India Council has been elected from our U.P. Section, for which he will continue in the year 2020, too. We are indebted to Prof. Singh for providing continuous motivation and encouragement at every stage to all of us. The present state of vibrancy in our Section the result of his incredible efforts for sensitizing us.

In 2020, our focus is slated towards the implementation of varied and exciting programs of activities for members, increasing the activities of our student branches and affinity groups, maintaining the ascending member (including students) retention rates, more industry engagement, WebEx based Committee meetings and interaction with members, facilitating members to open new chapters, affinity groups, and technical communities, more training and progression plans for volunteers, and strengthening the quality of our conference content and organization. Please share your new ideas with us, which we can implement to keep our Student Branches vibrant and to provide new services for the benefit of all members and our society. Recently, 2019 IEEE Uttar Pradesh section Awards are declared. I congratulate the award recipients who are generating new ideas, championing new thinking, and making an enduring impact on society for the benefit of humanity. Again, I look forward to your enthusiastic and active support in 2020.

2020 International Conference on Electrical and Electronics Engineering (ICE3-2020)

Jointly Organized By : Madan Mohan Malaviya University of Technology, Gorakhpur (U.P) India
& North Dakota State University, Fargo, USA



The 2020 International Conference on Electrical and Electronics Engineering (ICE3-2020) was jointly organized by Madan Mohan Malaviya University of Technology (MMMUT) Gorakhpur and North Dakota State University, Fargo, USA, held at MMMUT Gorakhpur during February 14-15, 2020. The conference was technically and financially sponsored by IEEE Uttar Pradesh Section and co-sponsored by IEEE IAS. IEEE India Concil meeting of Executive Committee was colocated event on Feb 14, 2020 held at Sawrna Jayanti Hall, MMMUT Gorakhpur. There were total 158 papers schedule for presentation out of which 152 were presented in

24 technical sessions including 10 papers presented through Skype session and one WIE. An MOU was also signed between MMMUT Gorakhpur and NISE, India on the occasion to work together to promote and work jointly specially in the areas of Solar Energy through innovative research & trainings. The DG NISE Dr. A. K. Tripathi, Chief Guest of ICE3-2020 also had a visit of solar insolation centre established in MMMUT campus which is one of the 112 insolation centres of MNRE, Government of India.

The eminent speakers and delegates of the conference includes:

- Prof. S. N. Singh, Patron ICE3-2020 & Vice Chancellor, MMMUT Gorakhpur, India
- Dr. Arun K. Tripathi, Director General, National Institute of Solar Energy, India
- Prof. Suresh Chandra Srivastava, Professor, Department of Electrical Engineering, IIT, Kanpur
- Prof. Bhim Singh, CEA Chair Professor, EE Dept, Indian Institute of Technology, New Delhi-110016, India
- Dr. Brij N. Singh, Senior Staff Engineer, John Deere Electronic Solutions, Fargo, North Dakota, USA
- Prof. Om Prakash Yadav, Department of Industrial and Manufacturing Engineering NDSU, North Dakota, USA
- Prof. Asheesh K Singh, MNNIT Allahabad, Chairman IEEE UP Section & General Chair ICE3-2020
- Prof. Babak Parkhidesh Associate Professor at the University of North Carolina-Charlotte, USA
- Dr. Puneet Mishra, DRDO, India
- Dr. Harish Mysore, IEEE India Operations, India
- Er. Anshuman Tripathi, Sloan Fellow, Sr. Defense Consultant, India
- Dr. S. K. Singh, IITA, Prayagraj & Vice President IEEE UP Section, India

The event was concluded with thanks giving to all the contributors making it an excellent experience. The event was also cosponsored by Oil India Limited, Cadre and Cetpa Infotech Pvt. Ltd.

CONFLUENCE-2020: “Cloud Computing, Data Science & Engineering

Organized By : Amity Campus, Sector-125, Noida.

Department of Computer Science and Engineering, Amity School of Engineering and Technology (ASET), Amity University, Uttar Pradesh organized the 10th International Conference CONFLUENCE-2020, on the theme of “Cloud Computing, Data Science and Engineering” at Amity Campus, Sector-125, Noida.

The three day enthralling Conference was organized in industry partnership with AWS and academically with The University of Queensland, Australia; University of Florida, USA; Western Sydney University, Australia; RMIT University, Australia; University of Canberra, Australia; Memorial University of Newfoundland, Canada; Deakin University, Australia; LATrobe University, Australia; University of Essex, UK; Liverpool John Moores University, UK; Iowa State University, USA; ESTP Paris; Curtin University, Australia; University of Salford Manchester, UK; University of South Alabama, USA; CITANDA; Melbourne Clouds Lab and Network N+i Educational Institution, France.

The Confluence witnessed 30+ international speakers from across the globe including University of Michigan, USA; Honda Research Institute, Japan; Technical University of Madrid, Spain; Deakin University, Australia; University of South Florida, USA; Monash University, Australia; University of Waikato, New Zealand; Liverpool John Moores, UK; Cranfield University, UK; Emory University, Atlanta; Universiti Putra Malaysia, Malaysia; University of Pretoria, South Africa; University Technology Petronas, Malaysia and Open University, UK. Amity University also conferred an Honorary Professorship to eminent scientists, during Confluence 2020.

- Prof. (Dr.) Parosh Abdulla, Uppsala University, Sweden
- Prof. (Dr.) John Domingue, Open University, UK
- Prof. (Dr.) Bhuvanesh Unhelkar, University of South Florida, USA
- Prof. (Dr.) Bernhard Pfahringer, University of Waikato, New Zealand
- Prof. (Dr.) Frada Burstein, Monash University, Australia
- Prof. (Dr.) David Chesney, Michigan State University, USA
- Prof. (Dr.) Shanika Karunasekera, Melbourne University, Australia
- Dr. Kazuhiro Nakadai, Honda Research Institute Japan
- Prof. (Dr.) Ankit Agrawal, Northwestern University, USA
- Dr. Sushil Chandra, Scientist 'G' - INMAS, DRDO, Delhi



**Honourable Chairperson
Amity Group of Schools**

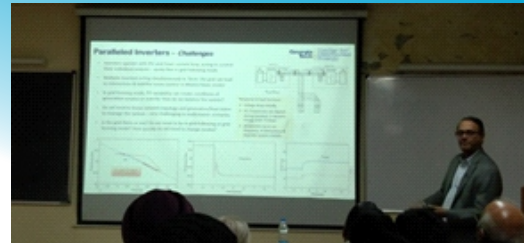
The colloquium concluded by presenting leadership awards to the leaders in business excellence from Microsoft, ASUS, Inxee, Gesture Research, Lakshmi Kumaran & Sridharan Attorneys, Nokia, SSRX, Hungama Digital and THALES India.



Glimpses Confluence 2020

IEEE PES/IAS talk on: A Future Decentralized Grid with PV, EV and Microgrid Penetration January 03, 2020

Dr. Deepak Divan is Professor, John E Pippin Chair, GRA Eminent Scholar and Director of the Center for Distributed Energy at the Georgia Institute of Technology in Atlanta, GA. His field of research is in the areas of power electronics, power systems, smart grids and distributed control of power systems. He works closely with utilities, industry and is actively involved in research, teaching, entrepreneurship and starting new ventures. He is an elected Member of the US National Academy of Engineering, member of the National Academies Board on Energy and Environmental Systems, Committee on the Future Grid and Committee on Deep Decarbonization. He is a Fellow of the IEEE, past President of the IEEE Power Electronics Society, is a recipient of the IEEE William E Newell Field Medal and is International Steering Committee Chair of the IEEE Empower a Billion Lives global competition to crowdsource scalable energy access solutions. He has 40 years of academic and industrial experience, 70 issued and pending patents, and over 400 refereed publications.



The rapid growth of exponential technologies such as photovoltaics, electric vehicles, energy storage and microgrids are creating unique opportunities for power electronics, especially when we consider issues related to grid integration. The move from centralized control to massively decentralized and distributed control raises further challenges, both in terms of the converters and feasible control strategies, as well as the architecture and infrastructure required to manage and operate such a system. This presentation will discuss power converter topologies, control strategies and system architecture for managing such a future grid and related loads. Key topics include grid integration strategies for managing a fleet of such devices to deliver value for the future and present grid. This presentation will cover ongoing research at the Center for Distributed Energy at Georgia Tech in these areas.

IEEE PES SBC IITK Orientation Programme : February 13, 2020

The orientation program conducted on February 13, 2020. In this all the members and volunteers of executive committee of years 2019 and also the newly elected members of IEEE PES SBC IITK for 2020, along with the faculty advisors are gathered. It was very helpful to present Exe-Com to hear about the leadership skills of past Exe-Com and the challenges faced by them. Many suggestions and opinions were shared to further improve the quality of the events in upcoming days. Certificates and mementos were distributed for recognition of their service. The advices from faculty advisors Dr. Ankush Sharma and Dr. Sandeep Anand were so motivated and encouraging.



A Short-Term Training Programme On Modelling and Simulations of Renewable Energy Systems and Integration January 06-10, 2020

The Centre of Excellence for Power Engineering Technologies and Clean Energy Integration (CEPET&CEI), Department of Electrical and Electronics Engineering, KIET Group of Institutions Ghaziabad, India and KIET IEEE Student Branch have jointly organized a Short Term Training Programme on Modelling and Simulations of Renewable Energy Systems and Integration during January 06-10, 2020 in association with. The programme is Co-Sponsored by IEEE PES/IAS Joint Chapter UP Section. The objective of this program is to provide an awareness to the beginners having



interest to work in the field of renewable energy systems and integration. The aim is to provide basic knowledge and hands-on experience of modelling and simulations of renewable energy systems using MATLAB platform. It is known that the increasing demand of green energy integration required to understand some new technologies and its application methodologies. In other words, the understanding of modelling and simulation of these technologies are needed for practicing technician to achieve fast and accurate solutions during the operations. In the event, various experts have teaches the basic concepts of modelling and simulation (theoretically and practically both) of various renewable energy systems such as solar, wind, biomass etc. The purpose is to provide some hands-on experience and develop problem-solving ability of students in the relevant area. The event has chaired by Dr. Neeraj Kumar Gupta, Head, Department of Electrical and Electronics Engineering, KIET and coordinated by Dr. Brijesh Singh and Mr. Kapil Gandhi. Ms. Pragati Singh, Mr. Shashwat Dwivedi and Mr. Akash have supported the event as student volunteers. These are the glimpses of daily activities conducted during the program.

On the last day of the event, a visit to KIET 100 kWp Solar Power Plant has been organized for students along with faculty members. In the last, the Valedictory Session has organized in the afternoon session of the event. Dr. Brijesh Singh, Coordinator of the event, has informed that event was successfully conducted by organizing committee under the banner of IEEE PES/IAS Joint Chapter Uttar Pradesh Section. Dr. Singh informs that the participants were learned the various advanced topic and hand-on experience on different renewable energy systems and application of MATLAB. The internship certificates have been awarded to all participants. The certificates have been awarded by Dr. Neeraj Kumar Gupta, Head EN and Dr. Arvind Kumar Sharma, Additional Head EN. The programme has ended with vote of thanks to all participants and guests. Dr. Nitin Kumar Saxena, Prof. Kapil Gandhi and Mr. S. C. Sharma were also present at the event.

IEEE PES/IAS talk on: Towards grid-friendly PV systems: keeping power reserves January 22, 2020

Dr. Efstratios Batzelis is an expert in Photovoltaic systems modelling, control and integration. He is a Royal Academy of Engineering Research Fellow at Imperial College London (UK) working on solar integration challenges in developing countries, and is member of the UK-India collaboration on clean energy (JUICE). Prior to this he held an EU Marie-Curie fellowship at Imperial on more grid-friendly PV systems in 2017-2019, and he received his PhD degree from the National Technical University of Athens in 2016. Dr Batzelis's research on PV systems has been published in about 30 journal and conference papers. His research interests include renewable energy technologies and distributed generation, especially solar photovoltaics, power converters control and power system stability. To allow for massive amounts of solar energy into our power system, we have to overcome technical barriers that limit the solar integration levels. One major direction towards this goal is to make the photovoltaic (PV) systems more “grid-friendly”, i.e. more supportive of the grid and more dispatch able power stations. This talk expanded on the solar integration challenges and explore how a PV system can become more grid-friendly by maintaining “power reserves”, i.e. keeping some backup power for grid-support functions, without installing energy storage. The talk was conducted on January 22, 2020. From the audience prospective, the talks were very interactive and practically relatable, and the speaker presented an overall view on the grid friendly PV systems by maintaining power reserves. It was a very informative event, which inspired the listeners and also directed a new path for further research.

VISIT to 'SMART GRID CONTROL CENTRE' in IIT Kanpur with Dr. Efstratios Batzelis

Smart energy grids are the backbone of the future Smart Cities. The smart distribution system of the smart grid will be responsible for intelligent management and operation of energy networks in cities.

- Smart grid at IIT Kanpur includes 11 substations of IIT Kanpur power distribution network.
- 11 substations of IIT Kanpur feed around 10.5 MW load of the institution.
- The main substation is 33kV/11kV substation that takes supply from the grid.
- The other substations are 11kV/440V substations which are connected to the main substation are responsible to feed the academic and residential load of IIT Kanpur.
- The Smart City pilot is designed in such a way that the future expansion, upgradation, research and development works are possible.
- Most of the smart devices will be connected in plug and play format. The technology framework will use smart grid standards and protocols such as IEC61850, Common Information Model for the seamless interoperability of data and message among various applications.
- Enterprise Service Bus (ESB) will serve as the backbone for the data exchange under the smart city pilot.
- It also includes home automation of 20 houses along with the 5kWp installation of rooftop PV system at each house.



Visit to SGCC in IIT Kanpur, Uttar Pradesh, India

EXPERT LECTURE ON DESIGN AND SELECTION OF PROTECTION SYSTEM IN INDUSTRIES February 22, 2020

The lecture was on recent trends in industries adopted for securing protection and the protection scheme i.e. the coordinated arrangement of relays and accessories is discussed for the following elements of power system. i) Hydro Generators ii) Generator Transformers iii) H. V. Bus bars iv) Line Protection and Islanding. The speaker talked about that primary function of the protective system is to detect and isolate all failed or faulted components as quickly as possible, thereby minimizing the disruption to the remainder of the electric system. Accordingly, the protection system should be dependable (operate when required), secure (not operate unnecessarily), selective (only the minimum number of devices should operate) and as fast as required. Without this primary requirement protection system would be largely ineffective and may even become liability. Mr. KHYZER SHAMSI is deputy manager, Schneider Electric Chandigarh. He has 9 years of experience in industries as a design engineer.



WORKSHOP TO SPREAD AWARENESS ABOUT THE UTILISATION OF TECHNOLOGIES FOR HUMANITARIAN CAUSES AND SUSTAINABLE DEVELOPMENT.



IEEE ZHCET AMU-SB SIGHT organised an informative workshop for the students of Women's polytechnic, Aligarh Muslim University on March 04, 2020 to spread awareness about the utilisation of technologies for Humanitarian causes and sustainable development. Two lectures were delivered in the workshop. First lecture was delivered by Miss Pakhil Singh on "Waste Heat Management and Electricity Generation". In this lecture, the utilisation and recovery of waste heat from exhausts of vehicles, outdoor units of Air conditioners, Power Plants, Refineries, heat wasted in aeroplane drag and their effective conversion into Electricity was discussed. In the second lecture entitled "Automatic Solar Tracking System by using Servo

Motor", students were explained the use of servo motors in controlling the movement of the solar panels. This movement will ensure generation of maximum power by solar PV systems. Second lecture was delivered by Miss Bushra Sabir (Volunteer of IEEE ZHCET AMU-SB SIGHT). Furthermore, the volunteers of IEEE ZHCET AMU-SB SIGHT (Mr. Mohd Imran Khan and Miss Bushra Sabir) also requested the participants to use and enhance their skills to make world a better place for living.



Two Week Workshop/ Short Term Course on Amateur Radio Communication Systems & Networks - February 03 - 15, 2020

A two week workshop/ short term course (STC) on "Amateur Radio Communication Systems & Network as a 'Bridge to Connect Everything'" (ARCSN- 2020) was successfully conducted in the Department of Computer Science and Engineering at Bipin Tripathi Kumaon Institute of Technology, Dwarahat, Uttarakhand on 3 Feb- 15 Feb 2020. The STC received an overwhelming response with overall 105 active participants. The workshop was technically sponsored by IEEE UP Section and IEEE Signal Processing Society, UP Section. The program was inaugurated in the morning of 3rd Feb 2020 by Mr. V K Arya, Ex. Deputy Director General, Department of Telecommunication (DoT), Ministry of Communications, Government of India, New Delhi and Professor V. M. Mishra, Director, Bipin Tripathi Kumaon Institute of Technology, Dwarahat.

The inauguration was followed by the felicitation of chief guest Mr. V. K. Arya by the Director of the institute, Professor V. M. Mishra. Followed by the felicitation the expert lecture was delivered by Mr. V. K. Arya. The various topics were discussed by different resource persons from 3 Feb to 8 Feb 2020. On 8 Feb 2020, Mr. Miroslav Skoric, Senior member IEEE, Austria section arrived at the institute. He started his expert lecture in the morning of 9th Feb 2020 and his last lecture was held on Feb13, 2020.

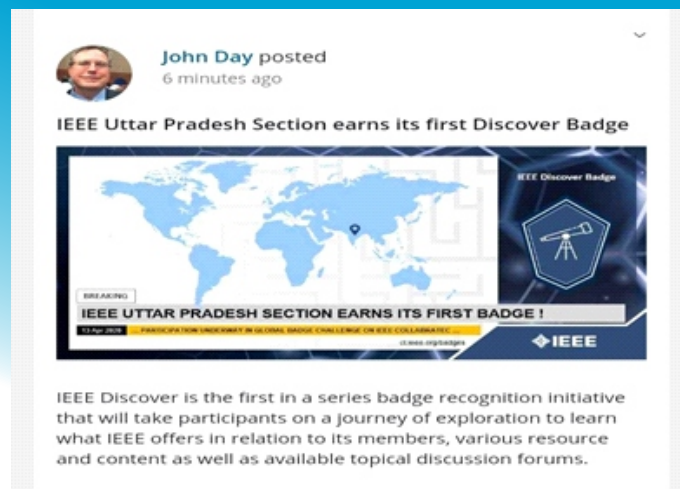
The workshop concluded with the session on "Suitable Antennas for Amateur Radio Communication" delivered by Professor R P S Gangwar, the Head of Department, Electronics and Communication Engineering, College of Technology, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Uttarakhand followed by the distribution of the certificates to all the participants. In the end Dr. Vishal Kumar gave the vote of thanks.

On the whole the workshop/ STC received a lot of positive feedback from the participants and it paved the way for the participants to implement their research ideas in amateur Radio Communication.



IEEE DISCOVER BADGE 2020 GLOBAL CHALLENGE

Akshita Gupta (IEEE PSIT STUDENT BRANCH) (IEEE Uttar Pradesh Section) Region 10, has been awarded "IEEE DISCOVER BADGE 2020" at a global level. She is a second year student of Pranveer Singh Institute of Technology Kanpur. IEEE discover badge challenge started in IEEE Badge Collabrated community in February 2020, She participated on 13th April 2020, after completing all 11 (clues) challenges that require mathematical abilities and technical skills she qualified for this prestigious badge and became the first member to achieve IEEE discover badge 2020 from IEEE U.P Section at a global level. The result was announced on 13th April only.



Winners of COVID-19 App Contest

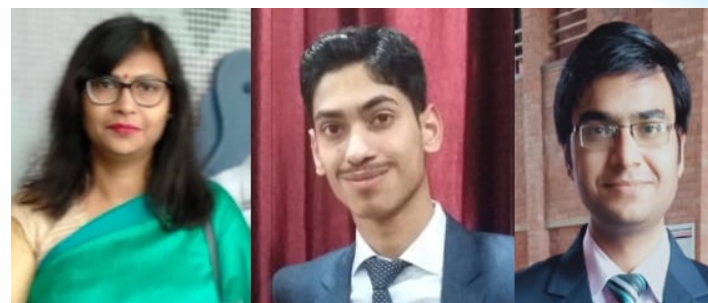
IEEE-PSIT Student Developers Team COVID-17 is one of the winning teams of the COVID-19 App Contest organized by the IEEE-Bangalore Section. The team developed an innovative app solution for fighting against the COVID-19 pandemic. The team is highly motivated after the results and is planning to launch the apps in storefronts.

The Team Members are:-

Dr. Aparna Dixit (IEEE-PSIT STB Counselor)

Raghav Awasthi (B.Tech (CS), 1st Year)

Shivam Shukla ((B.Tech (CS), 4th Year)



Dr. Aparna Dixit

Raghav Awasthi

Shivam Shukla

Guest Lecture : Hands on Session

IEEE-PSIT Student Branch and Indian Association of Physics Teachers organise a guest lecture. The guest Lecturer Prof. Rajesh Kumar Dwivedi, Head Department of Physics, Christ Church College, Kanpur delivered his lecture followed by Hands-on Session. This session was held on February 22, 2020. The main objective of this Hands-on Session on the experiment was to take a feel of the world of experimental science which is beyond the syllabus, inculcate scientific temperament and satisfy the curiosity of the young minds. The experiments like thermal diffusivity of Materials were demonstrated. Through these experiments, important topics such as thermal conductivity and other important properties of materials were covered.



A guest lecture on “Role of Sanitation in Behaviour Change for health and Hygiene”

Uttaranchal University IEEE Student branch organized a guest lecture on 'Role of Sanitation in Behaviour Change for health and Hygiene' on 22nd February, 2020 for the students pursuing B.Tech., M.Tech. programmes. The Resource Person was Dr. Anil Kumar Mishra, consultant, KRC, National Centre of Good Governance, Mussoorie, District Dehradun, UK. The event initiated with the felicitation of the Resource Person Dr. Anil Kumar Mishra by Honourable Vice Chancellor Prof. (Dr.) N. K. Joshi. The event was graced by the presence of Dr. Minakshi Memoria (HOD- CSE), Mr. Amit Kumar Sharma (HOD- EE), Mr. Ankur Jaiswal (HOD -PE), Mr. Himanshu Goel (HOD- B.Tech. 1st Year) and faculty members of UIT. Master of Ceremony, Dr. Minakshi Memoria welcomed all the dignitaries, Faculty Members and students. He introduced the topic of the day along with some crucial characteristics of sanitation and personal hygiene related practices in our daily lives. Honourable Vice Chancellor Prof. (Dr.) N. K. Joshi delivered the Inaugural Address and highlighted the importance of Sanitation and Hygiene.

UIT IEEE STUDENT BRANCH INAUGURAL CEREMONY

Uttaranchal University has embarked its IEEE voyage with the thriving inaugural ceremony of the Student Chapter. The Institute of Electrical and Electronic Engineers is a professional association for electronic engineering and electrical engineering.

IEEE Student Chapter's inauguration was commended by and in the gracious presence of Dr. S. N. Singh (Chairman IEEE UP Section), Dr. J Ramkumar (Convener IEEE UP Section) and Dr. Prabhakar Tiwari. Vice-Chancellor Professor Dr. N.K Joshi and Dr. Sunil Ghildiyal (HOD Computer Science and Engineering) were present during the ceremony. The ceremony was directed and anchored by Dr. Minakshi Memoria (Anchored by EE Student Chapter).

The inauguration of the Student Chapter started with the lighting of the lamp and University anthem.



SEMINAR ON AUTOMATION

Uttaranchal University IEEE Student branch organized a SEMINAR ON AUTOMATION on 22nd January, 2020 for the students of Uttaranchal University. The role of automation in industries, specifically for its development. The history of Automation followed by its general classification into sectors. An introduction of automation in industries, impact of automation and current emphasis of developed automation in industries, followed by the main tools of automation, namely, Artificial Neural Network (ANN), Distributed Control System (DCS), Human Machine Interface (HMI), Supervisory Control & Data Acquisition, Programmable Logic Controller (PLC), Instrumentation, Motion Control and Robotics. Advantages and disadvantages of development in industrial automation concluded with the developments in industrial automation both socially and economically.



GLIMPSES OF ANNUAL GENERAL MEETING 2020

How to Become IEEE Member

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