



IEEE UP SECTION NEWSLETTER

(IUSN)
July-December 2018



IEEE

Advancing Technology for Humanity



IEEE

UTTAR PRADESH SECTION

Chairman's Message

It is my honor and privilege to serve as Chairman, IEEE Uttar Pradesh Section for year 2018. Recently UP section has organized its flagship event, 5th IEEE UP Section International Conference On Electrical, Electronics and Computer Engineering , ÜPCON-2018” on November 2-4, 2018 jointly by MMMUT, Gorakhpur and University of the Ryukyus, Okinawa, Japan in the Campus of Madan Mohan Malaviya University of Technology, Gorakhpur. We have initiated special drive to involve industries participants in Section activities and events. For this several members from industries have been invited in last UP Section ExCom meeting held in Noida in May 2018 to know their view about section and how can they contribute / bring the Section to new level. Currently UP Section is doing great work to bring Academician, Scientists, Engineers, Professionals, and Industries on one platform and trying to work for society and humanity. I would like to thanks all my office bearers/conveners/members who helped IEEE UP section achieving these heights. Without their support, I am sure, we would have not reached this place. I also invite/welcome all the office bearers/conveners/members and branch counselors to upcoming AGM which is schedule on 19 January 2019 at IIT Kanpur.

IEEE Chair's Message

It is good to know that UP Section is publishing its next issue (Vol. 2 Issue 2) of IUSN E-Newsletter. Its earlier issues were very informative and I believe that this issue will also cover major highlights on all activities done under IEEE UP Section, especially IEEE Day Celebrations at branch levels. IEEE UP Section has set many milestones such as receiving many awards and received an incentive grant of 3000 USD for making great efforts to organize activities for IEEE community. I welcome the new office bearers to the section and congratulate the volunteers, chairs, and office bearers who have given their time, energy, and expertise in maintaining vibrant section of IEEE Region 10. I wish IEEE UP section should grow in future too.



S.N. Singh,
Vice Chancellor,
MMMTU, Gorakhpur

NEW OFFICE BEARER (2019)

- **Chairman:** Dr. Asheesh Kumar Singh, MNNIT Allahabad.
- **Vice- Chairman :** Dr. Yogesh Singh Chauhan, IIT Kanpur.
Dr. Dilip Kumar Sharma, GLA University Mathura.
- **Treasurer:** Dr. Abheejeet Mohapatra, IIT Kanpur.
- **Secretary:** Dr. Satish Kumar Singh, IIIT Allahabad
- **Jt. Secretary:** Dr Prabhakar Tiwari, MMMUT Gorakhpur .



Kumar Vaibhav Srivastava
Professor

Department of E.E.
I.I.T. KANPUR

Latest.....

6th International Conference on Signal Processing & Integrated Networks – SPIN 2019, March 07-08, 2019

International conference on internet of things: Smart Innovation and Usages (IoTSIU2019), April 19-20, 2019

6th UPCON 2019, November , 2019

International Conference ICICT, September 27-28, 2019.

5th Student's Conference on Engineering and Systems, May 29-31, 2019



5th IEEE UP Section International Conference On Electrical, Electronics and Computer Engineering (UPCON-2018)



The 5th IEEE UP Section International Conference On Electrical, Electronics and Computer Engineering , ÜPCON-2018” was organised on November 2-4, 2018 jointly by MMMUT, Gorakhpur and University of the Ryukyus, Okinawa, Japan in the Campus of Madan Mohan Malaviya University of Technology, Gorakhpur. The inaugural Session was opened with address by Vice-Chancellor of the University and General Chair of the conference Dr. S N Singh welcoming special guest Mayor of Gorakhpur City Sri Sitaram Jaiswal and Sri Madhusudan Gulati, chief guest Prof. P. Nagabhushan, Director IIIT Allahabad, Prof. Tomohisa Wada, Department of Information Engineering, University of the Ryukyus, Okinawa, Japan and other delegates. Other delegates, plenary speakers, Keynote speakers and Session Chairs include:

Prof. (Dr.) Jay Giri, Ex. Director, PSTSI at GE Grid Software Solutions, Washington USA, Dr. Kang Dongshik, Faculty of Engineering, University of the Ryukyus, Japan, Dr. Bhim Singh, HAG Professor, Department of Electrical Engineering, IIT Delhi , Prof G C Nandi, Professor (HAG) IIIT, Allahabad, Dr. Kumar Vaibhav Srivastava, Departement of Electrical Engineering, IIT Kanpur, Prof John Thompson, School of Engineering, The University of Edinburgh, UK, Dr. Masato Saito, Faculty of Engineering, University of the Ryukyus, Japan, Prof. (Dr.) Vassilios Agelidis, Professor, Technical University of Denmark (DTU), Denmark, Dr Aristides Kiprakis, University of Edinburgh, UK, Dr. Yogesh Singh Chauhan, Departement of Electrical Engineering, IIT Kanpur, Dr Naran M. Pindoriya, Departement of Electrical Engineering, IIT Gandhinagar, Professor Asheesh Kumar Singh, MNNIT Allahabad, Dr. Seema Awasthi, IIIT Allahabad, India Dr. Satish Kumar Singh, IIIT Allahabad, Dr. Dilip Kumar Sharma, GLA University, Mathura, Dr. Aseem Chandel, REC Manपुरi, Dr. Vinay Rishiwal, MJP Rohilkhand University, Bareilly, For Conference, total 551 papers and 62 thesis for Ph.D received. Symposium. The 244 papers were presented in 6 parallel technical sessions in total 33 sessions, The 11 Ph.D. thesis were presented in one Symposium session. There were 3 special sessions including one Women in Engineering (WIE), one IEEE Special Interest Group on Humanitarian Technology (SIGHT) and one Young Professional (YP) session. In each technical session one paper was awarded the best paper. Three Ph.D. thesis were awarded with 1st, 2nd and 3rd prizes with citation and cash prize of Rs. 8000/-, Rs. 5000/- and Rs. 3000/- respectively. This conference was the biggest ever event organised by MMMUT, Gorakhpur. It became memorable for attendees and delegates after evening cultural program “Phoolon ki holi” performed by specially invited artists from Mathura on first day and “Kavi Sammelan” had been the evening attraction on second day of the event. Valedictory Session was presided over by Vice-Chancellor Dr. S. N. Singh with gracious presence of IEEE Region 10 Director-elect-2019 Sri Deepak Mathur and Dr. Bhim Singh, HAG Professor & Dean, IIT Delhi.





Madan Mohan Malaviya
University of Technology,
Gorakhpur (U.P.) India
(तकनीकी शिक्षा की तपस्वली)



University of the Ryukyus,
Okinawa, Japan



Advancing Technology
for Humanity

5TH IEEE Uttar Pradesh Section International Conference on

ELECTRICAL, ELECTRONICS AND COMPUTER ENGINEERING (UPCON 2018)



Prof. Sri Nagesh Singh
Vice-Chancellor & Patron
MMUT, Gorakhpur, UP



Prof. P. Nagesheshwar
Director
IIT Allahabad, UP



Prof. Tamekazu Wada
University of the Ryukyus
Okinawa, Japan



Dr. Kumar Vishesh Srivastava
Chairman, IEEE UP Section
IIT Kanpur, UP



Dr. Deepak Malhotra
IEEE Region 10
Director-Elect 2019-2020



Dr. Aristides Kiriakis
School of Engineering,
University of Edinburgh, UK



Prof. Jay Giri
Ex-Director, PSTI at GE Grid
Software Solutions, USA



Prof. Bhim Singh
CEA Chair Professor, Dean
Academics, IIT Delhi



Prof. Vasilis G. Agiailis
Technical University of
Denmark



Prof. Alenxandra Ashok
Director, WIT Dehradun



Prof. John Thompson
School of Engineering,
Univ. of Edinburgh, UK



Prof. G. C. Nandi
IIT Allahabad, UP



Dr. Masato Saito
Faculty of Engineering,
University of the Ryukyus, Japan



Dr. Kang Dongshik
University of the Ryukyus
Japan



Prof. J. Ramakumar
Immediate Past Chair,
IEEE UP Section, IIT Kanpur



Dr. Yogesh Singh Choudhan
Vice Chair, IEEE UP Section
IIT Kanpur, UP



Dr. Seema Awasthi
Convener, WIE AFinity Group
IIT Allahabad, UP



Prof. Ashwesh Kumar Singh
Vice Chair, IEEE UP Section
MMUT, Allahabad, UP



Dr. Satish Kumar Singh
Secretary, IEEE UP Section
IIT Allahabad, UP



Dr. Nazim M. Pindoriya
IIT Gandhinagar, Gujarat

Organizing Committee, MMMUT Gorakhpur, Welcomes Speakers, Guests, Authors and Participants

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Prof. A. N. Tiwari
Organizing Chair, EE



Dr. Divakar Yadav
Organizing Chair, CSE



Dr. Brijesh Kumar
Organizing Chair, ECE



Dr. Prabhakar Tiwari
Publicity Chair

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EVENTS ORGANISED BY IEEE STUDENT BRANCH, DITU IN 2018

1) Conducted Activities in Induction Program, DITU IEEE student branch, DITU conducted interactive club activities in the induction program 2018 which was conducted by DITU which included many technical, informal and motivational sessions, in our activity we introduced various projects made by IEEE members in the previous years.

The event was conducted in various sessions with different batches of students.

The events were conducted in 2 phases

1. Demonstration: Project on IOT, sprite animation, EMP Jammer.
2. Hands on: Battery level indicator, current detector.

Conducted in: 1st and 2nd week of August

Venue: DIT University

2) Orientation Program, IEEE DITU

Orientation program held for the fresher's 2K18. The aim of orientation program was to introduce students to IEEE and IEEE student branch, DITU and to introduce them to various project ideas they can implement in the coming years and the opportunities they can avail.

Conducted on: 13th September, 2018. **Venue:** DIT University. **Number of Participants:** 30



3) Arduino Workshop

Arduino is a prototype platform (open-source) based on an easy-to-use hardware and software. It consists of a circuit board, which can be programmed (referred to as a microcontroller) and a ready-made software called Arduino IDE (Integrated Development Environment), which is used to write and upload the computer code to the physical board. The objective of this workshop was to introduce the students to Arduino, which is the first step towards learning embedded systems. The workshop aimed at making students capable of tackling problems that they might face while working with Arduino boards using software and hardware techniques. In addition, this would help them immensely in their minor projects. Before the workshop we conducted in-house and club meetings.

Conducted on (Date): January 18th – January 21st, 2018[Thursday-Sunday]
Venue: LH506, Civil Block, DIT University.
Number of Participants: 15 teams and 6 individual contestants.

4) Sprite Animation Workshop

Sprite Animation is a technique for creating animations and 2D games. This can be made using spritesheet, JavaScript, and HTML5 canvas elements. The workshop aimed at making students capable of understanding simple games algorithms using sprites and to make a simple games using the technique. Before the workshop we conducted in-house and club meetings.

Conducted on (Date): February 1st & 2nd 2018[Thursday-Friday]
Venue: LH506, Civil Block, DIT University.
Number of Participants: 49

5) Hosted India Skill competition with collaboration with SAE

Ministry of Skill Development and Entrepreneurship (MSDE) & National Skill Development Corporation (NSDC) launched India's first National Skills



CompetitionIndia Skills, a biennial competition. The competition was divided into various levels and we hosted the state level competition in DIT, university. Before the event we conducted in-house and club meetings. Our two teams participated in the event and got Second and third positions in the state level competition.

Conducted on (Date): April 16, 2018.
Venue: Vastu Block, DIT University.
Number of Participants: 6
Teams of 2 participants each

Events orhanized by Tulas Dehradun

Lecture on emerging technology IOT

This lecture was conducted by Dr. Vinay Rishiwal on Emerging Technologies IOT, where students were made aware about IOT , what are present technologies and tools used in this sector. He also gave and Insight of the Technology. Students were made aware about the current and upcoming projects made by using IOT. Students were told about the scopes and areas of research and disciplines regarding IOT.

The event had a footfall of 70+ students and 20+ faculties.

Dignitaries in the were as follows:

Dr.Nishant Saxena (Dean Academics, Tula's Institute)

Dr.Pawan Kr.Chaubey (Registrar, Tula's Institute)

Start time: **22 November 2018 02:30 PM**

End time: **22 December 2018 04:30 PM**



Seminar on anger management & IEEE awareness

This session was divided into 2 parts- Anger Management- Here , Mr. Saurabh told students about what anger is, what are the aspects of anger, possible reason of anger and how to conquer anger and work as a team.

IEEE Awareness- Here, Mr. Saurabh told students about IEEE, its societies, communities, what are the regions, running societies in Tulas Institute and how can be an IEEE membter, what are the benefits of membership, how collabraterc helps in gaining knowledge and many more.

Date: **27 October 2018**

Time: **02:30 PM to 04:00 PM**



ONLINE QUIZ

Two free online quizzes named Math Whiz and Grammar Guru were conducted by IEEE. Quiz has 60 and 120 questions respectively for Math Whiz and Grammar Guru and students were given a limit of 20 minutes.

60+ participation was observed at the event and top 3 performers of both the quizzes were awarded Rs. 100 Amazon cash vouchers.

Top 10 performers of both quizzes were awarded certificates of merit and others were provided certificate of participation by Learning Pundits.

Date: **29 October 2018**

Time: **02:30 PM to 04:15 PM**

IEEE DAY Celebration at DIT

IEEE Day honors the roles IEEE members play in their local communities, and their work toward the vision of advancing technology for the benefit of humanity. It was celebrated the first time in history when engineers worldwide and IEEE members gathered to share their technical ideas in 1884. The principle task of the IEEE Day team is to initiate, motivate, and coordinate events and efforts to celebrate this day worldwide. IEEE Day's theme is: "Leveraging Technology for a Better Tomorrow". While the world benefits from what's new, IEEE focuses on what's next. IEEE Day 2018 is the 9th edition of the same and was celebrated in the first and second weeks of October 2018 in DIT University. For IEEE day, DIT University organized a total no of five events.

1. Crack The Code In this event, the challenges brought out the coders in the participants. It was divided into two rounds. Quiz Competition This round was being held on 5th October 2018. Participants had to debug error containing codes of their preferable coding language. A total no of six teams qualified for the next round. B. Hackathon This round was being held on 8th October, 2018. In this round, participants had to write code of different coding statements.

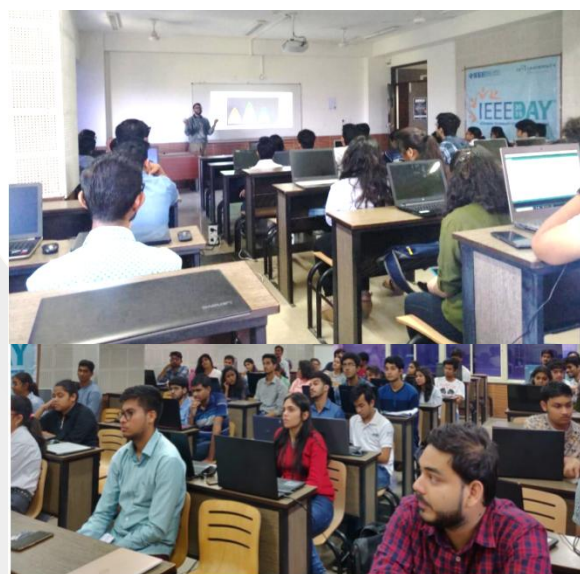


2. Eureka This event was organized on 5th October, 2018. The participants had to present their technical or non-technical unique idea. Further they were cross-questioned by the jury and the audience. This event was also divided in two rounds. Round 1 Participants had to submit their ideas with abstract. B. Round 2 Selected Ideas had to give a Presentation or Prototype to our judges.

3. Circuit Enigma This event tested the technical knowledge of basic electronics of the participants. It was also conducted in two rounds

4. Workshop A workshop was conducted on 14th October 2018. It had the topic "Embedded system for IOT and Product development approach". It was delivered by-

- Harsh Joshi Sir, Team Lead, Smart Joules Pvt Ltd
- Amit Phulera Sir, Software Development Team Lead, Smart Joules Pvt Ltd
- Farogh Iftekhhar Sir, Embedded System, Team lead, Smart Joules Pvt Ltd. The students were told about the basics of Embedded System and IOT using Node MCU. They were told about the different approaches of product development.



IEEE DAY 2018 Celebration at BHU

We are happy to inform you that IEEE MTT-S SBC IIT BHU Varanasi has celebrated 9th anniversary of IEEE Day 2018 with joining hands with IEEE Student branch, IEEE Photonics Society and IEEE IAS society at ABLT Hall-1 of IIT (BHU) Varanasi on 4th October 2018. In the celebration, 26 IEEE student members and 8 faculty members had taken part. The volunteers (student members) from branch chapters have taken their assigned responsibilities and the program has started at 4 PM. On behalf of the IEEE Student branch, Ms. Shivani Chandra has hosted the stage and welcome all the student members and respected faculty members of the institute. The event celebration has started by garlanding the statue of Bharat Ratan Pt. Madan Mohan Malviya, founder of Banaras Hindu University by Dr. Shyam Kamal, Faculty Advisor, IEEE Student Branch, Dr. Somak Bhattacharyya, Faculty Advisor, IEEE- MTTS IIT (BHU), Prof. R. K. Shrivastava, Faculty advisor, IEEE IAS Society IIT (BHU), Dr. Santanu Das, Faculty advisor, IEEE Photonics society IIT (BHU), Dr. Smrity Dwivedi, Member IEEE, and Dr. S. K. Singh, Member IEEE. In the sequence of celebration, a cake of IEEE day 2018 was cut by the chairpersons of societies and branch. The motivational talks on IEEE day theme “Leveraging Technology for better tomorrow” were given by our respected faculty members, branch and chapter advisors. Prof. R K Shrivastava shared his vast academic experience with IEEE and shared the old memories of IEEE student branch formation. The MTT-S SBC advisor Dr. Somak Bhattacharyya told us about the journey timeline of IEEE MTT-S SBC IIT BHU from IEEE day 2017 to IEEE day 2018. Dr. S. K. Singh told that how student get benefited from IEEE societies, events, conferences and available funding schemes. Dr. Smrity Dwivedi appreciated the initiatives of IEEE Student branch at IIT BHU. Dr. Debdas Ghosh gave emphasis to build a collaboration between engineers and mathematicians. Prof. V. N. Lal suggested that through branch chapters, student can participate in largest academic and research networks provided by IEEE. At IEEE day, to provide exposure of technical writing, Dr. Shyam Kamal in his talk made

the formal announcement of Latex Workshop being held on 6th October 2018. Mr. Rajan Agrahari, Ms. Bhawna Singh, Mr. B. Vinod Kumar, Mr. Nilotpal and Mr. Arjun Kumar have given a micro-talk on their research topics at IEEE day i.e. “*a day commemorating the first time IEEE members gathered to share their technical ideas in 1884*”. The IEEE MTT-S Society bestowed the certificates of appreciation to the office bearer for their contributions and service during 2017-18. The event was concluded by a formal vote of thanks by Dr. Somak Bhattacharyya, Faculty Advisor, the MTT-S SBC IIT BHU. Finally, a group photo has been taken before the Ms. Shivani Chandra requested all student members and respected faculty members for snacks and tea which is arranged outside Hall-



IEEE Day 2k18 Celebration at Rajkiya Engineering College, Mainpuri

IEEE Student Branch, Rajkiya Engineering College Mainpuri celebrated IEEE DAY 2K18 and the birth anniversary of Mahatma Gandhi and Shri Lal Bahadur Shastri on 2nd October which started with the lamp lightening ceremony by Director Prof. Baikunth Nath Rai, Dean of Academics Dr. Aseem Chandel, Mr. Prakash Kumar Singh, Mr. Baljeet Yadav and other faculty members before the portrait of Goddess Saraswati and Mahatma Gandhi.

The IEEE Day celebration started with cake cutting ceremony and continued by various events. In association with different student branch chapters of IEEE, we had organized a “Newsletter Making Competition” with the theme of “GREEN ENERGY, CLEAN ENERGY” to inspire the upcoming generation about the future goals towards Renewable Energy.

A presentation about IEEE and its benefits was given by our Student Activity Convenor U.P. Section Dr. Aseem Chandel for making the students aware about the institute whose core mission is to restore research, innovation, excellence for the benefit of humanity the IEEE “Institute of Electrical and Electronics Engineers.”

The Student Branch Chair, Aman Shah, gave a brief report of the programs and events that had been organized in recent months.

On the same theme, a “Student Solar Ambassador Workshop” was organized in successful collaboration with IIT Bombay under which 40 pre-university students of class 10th to 12th from different schools like Aman International School Mainpuri, SBRL Academy Mainpuri etc were called for Solar Lamp Making. They had been provided with all the equipment and kit necessary for the construction of a solar - powered lamp along with the solar panel. The students were gifted with their self-made lamps and were made aware about the present innovations in these sectors.

Director, Prof. B.N. Rai appreciated the efforts of IEEE volunteers and Department of Electrical Engineering for organizing such a wonderful techno-social events. The student volunteers are provided with ‘Certificate of Organizing’ for their motivation.

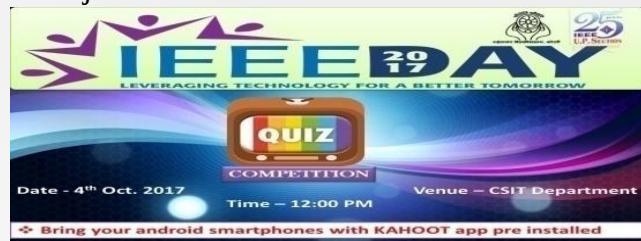


IEEE Day Celebration at MJP Rohilkhand University, Bareilly

“IEEE Day” was celebrated by IEEE Student Branch, Faculty of Engineering and Technology, MJP Rohilkhand University, Bareilly on **3-4, October, 2018**. The programme was started with the lighting of the lamp before the idol of Maa Saraswati by Dr. Vinay Rishiwal, Branch Counsellor, FETRU. Dr. Vinay Rishiwal told about the importance of IEEE and motivated to all the faculties and students to be more vibrant in IEEE activities. His speech was about the awareness and membership advantages of IEEE. Mainly three competitions were held:

1. **IEEE Day Online QUIZ Competition**
2. **Group Discussion** on “Technology creates income Disparities”
3. **Extempore** on “Moods are a necessary Evil”.

The certificates and prizes were distributed to all the winners by Dr. Vinay Rishiwal, Branch Counsellor, Dr. Desh Deepak Sharma, Faculty Chair (PES), Dr. Inderpreet Kaur, Faculty Chair (MTTS) in the closing ceremony. The entire programme was coordinated by Students chairs and members of FETRU branch, especially by Mr. Kumar Nalinaksh, Sanjay kushwaha, Mudit Kumar, Dheeraj Mishra, Pooja Arora and Jagriti Makhija.



National Workshop on Hands on Practice in Cloud Sim

A two days workshop organized by IEEE STB MJPRU on 27-28 September 2018 at T&P seminar hall. In which two experts of cloud technology, Dr. Rajeev Tiwari and Mr. Pradeep Singh from UPES, Dehradun addressed the workshop. In which they confronted the students with latest emerging technology of simulation and how it plays a great role in Cloud technology. Experts also made students aware of latest simulators available for simulating cloud technology and also demonstrated hands on practices. Workshop ended with guidelines and future help assurance from experts for students.

Workshop on Art of Writing of Quality Research Papers

A two days workshop was organized by IEEE STB MJPRU on 14-15 July 2018 at T&P seminar hall. Experts Dr. Sudeep Tanwer, Nirma University, Gujarat and Dr. Shudhanshu Tyagi, Thapar University, Patiyala, Punjab addressed the workshop. Dr. Sudeep Tanwar introduced students with a tool named as ‘Latex’ and how it is helpful for writing a good quality paper. He also discussed about the alternative platforms which can be used for writing papers and the advantages of Latex over them.

Discussion was continued by Dr. Shudhanshu Tyagi, he described how to use this great tool with the help of slides and examples.

He also told about Do's and Don'ts of a good research paper including parameters, codes, settings and all the other needed information required for getting the best results from this wonderful tool.



Network Simulation and Data Security (NSDS-2018)

Faculty Development Program

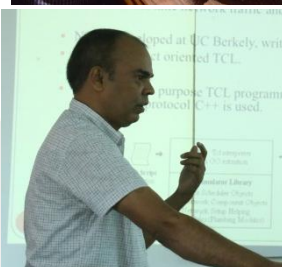
College of Computing Sciences and Information Technology, Teerthanker Mahaveer University, Moradabad was organized one week Faculty Development Program (FDP) on **Network Simulation and Data Security (NSDS-2018)**. This FDP is Technical Sponsored by IEEE student branch CCSIT, Teerthanker Mahaveer University. This FDP was facilitated by the resource persons from Jawaharlal Nehru University, New Delhi, Guru Gobind Singh Indraprastha University, New Delhi and 3rd Eye Techno Solution Pvt. Ltd. The FDP was commenced from 06th August 2018 to 10th August 2018.

During this faculty development program, significant advancements in all aspects of research, development and applications will be covered and discussed in presentations together with plenary and invited talks. The technology today is developing at a rapid pace. In this era of globalization, the exchange of knowledge and skills has given a further fillip to the exponential growth in the field of technology. Such phenomenal advancements have revolutionized almost every sphere of human life today. It gives us a platform to learn and explore this field and develop insights into the interdisciplinary approach to technology.

The aim was to provide a platform to the eminent academicians, scientists, researchers, industrialists, technocrats, government representative, social visionaries and experts from all strata of society, under one roof, to explore the new spheres of innovative technologies to identify new path ahead. This new path should decay isolation, enlighten the obscurities regarding technology and find scientific progress aimed to pave the path of Indian growth in the field of technology in front of the world and to prove that India may be crowned as developed Nation. The conference will include regular paper presentation sessions, invited talks, key note address and panel discussions.

Chief Guest Respected Prof. D. K. Lobiyal Dean, School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi, India who has enlightened the Wired and wireless sensor network and also encourage our minds and took us to the new world of knowledge. Dr. Sushil Kumar, School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi, India the Guest of honor and resource person, whose prestigious presence encourages the new learners to express themselves on new technologies and who has enlightened network simulation, Wired and wireless network and result generation and analysis. Dr. Karan Singh, School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi, India the Guest of honor and resource person, who encourage the new learners to express themselves on new technology and also encourages the Network Security, Cryptography Algorithm and Implementation of Algorithm. Dr. Anurag Jain, University School of Information, Communication &

Technology, Guru Gobind Singh Indraprastha University, New Delhi, India the Guest of honor and resource person, who encourage the Data Security, Phishing Prevention and Hands-on Security Tools. Mr. Nitin Chauhan, Solution Consultant, 3rd Eye Techno Solution Pvt. Ltd., New Delhi, India the Guest of honor and resource person, who encourage the Data Forensic, Data Forensic Demonstration and Digital Forensic and Investigation.





Initially, 197 research papers were received for the conference which were gone through plagiarism test and peer reviewed by our prestigious reviewers and finally 52 papers were found worth presenting and publishing in the proceedings of the conference. These 52 papers were further divided into 7 technical sessions which were chaired and co-chaired by our valuable guests. IEEE International Conference SMART 2018 was scheduled in two Days, and the summary of all days is as- 7th International Conference SMART 2018, technically co-sponsored by IEEE Uttar Pradesh Section, started with the inaugural session in which the Chief Guest, Prof. S. N. Singh, Vice Chancellor, MMM University of Technology, Gorakhpur threw the light on the establishment of IEEE UP Section, importance of IEEE and Digital India. The inaugural session was presided by Prof. Raghuraj Singh, HBTU, Kanpur. In the session the Guest of Honour Prof. Prof. NOOR IZZRI bin ABDUL WAHAB, University Putra Malaysia, Qasim Al-Shidi, IT Expert National Bank of Oman and Dr. Danila Parygin, Vologograd State Technical University, Russia, graced the conference with his presence and blessings. The Proceedings of the conference was officially released by the dignitaries on the dais. Total 24 papers were presented on the day in 3 parallel session. IEEE International Conference SMART 2018 was blessed with the presence of Prof. R K Mittal Vice Chancellor, Chaudhary Bansilal University, Haryana as a chief guest and Prof. Dr. Mohammad Sarosh Umar, Chairman of Computer Science Engineering & Technology, AMU, Aligarh preside over the function on the Day two along with Prof. Ravindra Singh, Head Computer Science engineering & IT, MJPRU, Bareilly, Prof. Dr. Danila Parygin, Vologograd State Technical University, Russia, who were the guest of honour for the Day 2. Main focus of the talk of all guests was on the advancement in technology in the areas of Vehicular Ad-hoc Network, E-Governance, IEEE defining standards, role of information technology in advancement of medical sciences and upcoming opportunities in the area of computer science and IT. Total 28 papers was presented on the 2nd day in 4 parallel session. All the Session Chairs and Co-Chairs delivered keynote address on the theme of each technical track. IEEE International Conference SMART 2018 fosters the spirit of togetherness amongst all of us and built new partnerships across borders. Conference ended with the Indian National Anthem.

International Conference on Advances in Computing, Control & Communication Technology

IEEE sponsored 3-days International Conference on “Advances in Computing, Control & Communication Technology (IAC3T-2018)” under the aegis of IEEE University of Allahabad Student Chapter was organized during September 21-23, 2018 at the Centre of Computer Education, Institute of Professional Studies, University of Allahabad. This Conference has been technically sponsored by IEEE Computer Society, IEEE Signal Processing Society UP Section and IEEE Computational Intelligence Society UP Section. In the Conference, papers were invited under five tracks, namely, Communication Technology, Electronics and Control Systems, Software Engineering and Multimedia, Intelligence System and Advanced Computing. Total 24 quality papers in these areas were sorted out to be presented in four Technical Sessions. Eight keynote addresses were delivered by eminent speakers such as Prof. D.C.Pande, Distinguished Scientist, DRDO, Bengaluru; Dr. R.K.Sharma, Director, SSPL, DRDO; Dr. Narain Panigrahi, Distinguished Scientist, CAIR, DRDO; Prof. Subarna Shaky, Tribhuvan University, Nepal; Prof. Rubaiyat Yasmin and Prof. Mirza, University of Rajshahi, Bangladesh; Dr. Sandeep Paul, Dayalbagh Educational Institute, Agra and Dr. Tanveer J. Siddiqui, University of Allahabad. A Software Development Competition under various themes such as Brain Inspired; Knowledge & Reasoning Based; Motion & Manipulation Based; Natural Language Processing Based; Spam Detection; Automated Governance through Improved Learning and Recommender System was also held.

The Conference began with a Tutorial on “Knowledge Based System Design” which was delivered by Prof. Anupam Agarwal of IIIT, Allahabad. The Tutorial Session covered the basics of Artificial Intelligence and the Demo Session provided a glimpse of how an expert system should be designed. In the Inaugural Session of the conference, Prof. D.C. Pande, Distinguished Scientist, LRDE, DRDO while addressing the audience as the Chief Guest said that tremendous growth has taken place in the field of Communication Technology. Mobile has reached every household and we are exploiting that region of electromagnetic spectrum which was not yet touched. At the same time it has thrown lot many challenges as a health hazard. So, it is realized that it has to be used in a limited way to avoid any serious health problem.

Dr. R.K. Sharma, Director, Solid State Physics Lab, DRDO, Guest of Honour on this occasion said that all our activities are being governed and monitored by the cyber space. Battle space and cyber space has conversed because of all these three factors that have been taken up in the Conference i.e. Computing, Control and Communication. He said that it is required that the South Asian countries collectively look at its control in this direction. Prof. Rajeev Tripathi, Director, MNNIT talked about advances that have taken place in the abovementioned areas. He emphasized that ideas must not be limited by any kind of tool including the simulation tool. The Welcome Address was delivered by Prof. R.R. Tewari, General Chair, IAC3T-2018. The Vote of Thanks was delivered by Prof. Vivek Kumar Singh from BHU, Varanasi.

The Conference was well attended by around 50 delegates and experts from different Universities and eminent Technical organizations from India and IEEE University of Allahabad Student Chapter.



International Conference Computational and Characterization Techniques in Engineering & Sciences

IEEE International Conference "Computational and Characterization Techniques in Engineering & Sciences" (CCTES-18) organized on September 14-15, 2018 at Integral University, Lucknow.

The latest iteration of the IEEE International Conference on Computational and Characterization Techniques in Engineering & Sciences, (IEEE conference record number-44023) was organized by the department of Electronics and Communication, Physics and Electrical Engineering, on September 14-15, 2018. The International conference was attended by eminent academicians, well versed faculty members, professionals, and students from various universities and representatives of government institutions from all over the Indian subcontinent.

The Conference was kick started into life by Prof. S.Hasan Saeed (Conference General Chair, Head Electronics Department), who addressed and welcomed the audience, wherein he briefed about the achievements of Integral University in the fields of research and technology. Further, Dr. Nadeem Akhtar (Dean Engg., Director Planning & Research) shared his views on how CCTES has been an important part of Integral University. Prof Aqil Ahmad (Vice-Chancellor), further added towards the influence of CCTES, and how it encourages the different flows of ideas. Our Honble' Chancellor Prof. S.W. Akhtar, described how Integral University has had been carrying out the legacy of hosting the CCTES and its success. The Conference was then addressed by guest Prof. Ing Sian Lun Lau Sian (Associate Dean, (Academics) Malaysia), and the Guest Of Honor, Dr. Khalid Khan, (CEng, Bombardier Transportation, Derby, UK), who were extremely grateful to be a part of it, and then all gathered for the release of the CCTES 2018 Souvenir, and furthermore mementos were presented as a token of gratitude felt. Prof. Monauwer Alam (Convener, Head Electrical Department) shared the Vote of Thanks, and signaled the commencing of the conference.

The CCTES Conference was divided into 7 Major tracks, namely;

- Advanced Computing, Software Engineering and IOT
- Data Communication and Signal Processing
- Electronics and Communication
- SS Application of Power Electronics in Renewable Energies
- Power Engineering, Digital Control System and Materials
- Renewable and Sustainable Energy
- Cyber security and IPR.



On 15th September, IEEE CCTES was kicked off with a keynote by Prof. Ekram Khan (AMU, Aligarh) describing the Advancements of Digital Signal Processing, alongwith the Scope of IOT in the field of Agriculture, Temperature Monitoring. Prof. Ekram Khan, further talked about the Image Processing Devices and the typical encoders used, however his sheer focus was on the emerging trends of the digital signal & image processing. Concluded his keynote, he asked a very subtle yet impactful question, quoted "Everybody has a smartphone today, but do you even know why you have one? Do you even need one?" As the event proceeded, and things started to settle down, professionals and authors from all over the country had presented on topics that ranged from, Data Communications to Signal Processing, to Renewable Energy systems to Control Systems and IPRs. Towards the conclusion of the event, a valedictory session was held that awarded mementos to the best papers from all the seven tracks of the conference.

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International conference on Advances in computing, control & communication

International conference on Advances in computing, control & communication (iac3t-2018) During september 21-23, 2018 at the centre of computer education, university of Allahabad.

IEEE sponsored 3-days International Conference under the aegis of IEEE University of Allahabad Student Chapter commenced today at the Centre of Computer Education, Institute of Professional Studies, University of Allahabad. This Conference has been technically sponsored by IEEE Computer Society, IEEE Signal Processing Society UP Section and IEEE Computational Intelligence Society UP Section. In the Conference, papers were invited in five tracks, namely, Communication Technology, Electronics and Control Systems, Software Engineering and Multimedia, Intelligence System and Advanced Computing. Total 24 quality papers in these areas were sorted out to be presented during the 3-days conference in four Technical Sessions which shall be published in IEEE explore and eminent speakers delivered eight Keynote addresses. A Software Development Competition under various themes such as Brain Inspired; Knowledge & Reasoning Based; Motion & Manipulation Based; Natural Language Processing Based; Spam Detection; Automated Governance Through Improvised Learning and Recommender System was also been planned. The Conference began with a Tutorial on “Knowledge Based System Design” which was delivered by Prof. Anupam Agarwal of IIT, Allahabad. The Tutorial Session covered the basics of Artificial Intelligence and the Demo Session provided a glimpse of how an expert system should be designed. In the Inaugural Session of the conference Dr. D.C. Pande, distinguished Scientist, LRDE, DRDO was the Chief Guest and Dr. R.K. Sharma, Director, SSPL, DRDO & Prof. M.M. Pant, Former Pro Vice-Chancellor, IGNOU were the Guest of Honour. The Conference was well attended by around 50 delegates and experts from different Universities and eminent Technical organizations from India and abroad such as Prof. Subarna Shakya from Tribhuvan University, Nepal and

Prof. Rubaiyat Yasmin & Prof. Mirza A.F.M. Rashidul Hasan from the University of Rajshahi, Bangladesh and students of IEEE University of Allahabad Student Chapter and other places. The prominent experts such as Prof. Rajeev Tripathi, Director, MNNIT, Allahabad, Prof. Neelam Yadav, Director, IPS, Prof. C.K. Dwivedi attended the conference.

On the second day of the Conference, four Keynote Addresses were delivered. The first Keynote Address was delivered by Dr. Narayan Panigrahi, distinguished Scientist from CAIR, DRDO on the topic “Super Intelligence through Transfer Learning”. Dr. Panigrahi also spoke about “SCADIC fixed graph for mining human intelligence and brain computer interface”. The talk covered the various application areas of machine learning and artificial intelligence. The second Keynote Address was delivered by Prof. Subarna Shakya from Institute of Engineering, Tribhuvan University, Nepal. Dr. Shakya spoke about cloud computing and how it has served the provisions of software as a service through cloud. The third Keynote Address was delivered by Dr. D.C. Pande, LRDE, DRDO. The fourth Keynote Address was delivered by Dr. Rubaiyat Yasmin, University of Rajshahi, Bangladesh.

On the last day of the Conference, four Keynote Addresses were delivered. Prof. Rubaiyat Yasmin from the University of Rajshahi, Bangladesh spoke on “Time varying properties of channels and bandwidth in wireless communication system and how to handle the hurdles”. Prof. D.C. Pande, Eminent Scientist from LRDE, DRDO spoke on “Emerging technological challenges in spectrum management”. He outlined the challenges as GaN Technology, Ultra-wide band system, Software defined Radio, MIMO, Cognitive Radio, Mm Web Technology, Terahertz Technology, Propagation models, Antenna Technology

and Radar and Digital beam forming Antenna. In the third Keynote address Dr. T.J. Siddiqui, Department of Electronics and Communication, UoA talked about “Multimodel Interfaces and Human-Human Interaction”. It was said that it is not far off that we shall have emotion sensing input systems. In the last Keynote Address Prof. Mirza A.F.M. Rashidul Hasan from the University of Rajshahi, Bangladesh talked about “Noise interferences in speech and its removal”. Prof. K.K. Bhutani, Honorary Director, UPTEC was the Chief Guest in the Valedictory Session of the Conference. Prof. Rubaiyat Yasmin & Prof. Mirza A.F.M. Rashidul Hasan from the University of Rajshahi, Bangladesh, Prof. R.R. Tewari, General Chair, IAC3T-2018, Dr. Narayan Panigrahi, distinguished Scientist from CAIR, DRDO, Prof. C.K. Dwivedi from the Department of Electronics & Communication, UoA and Dr. Abhay Kumar Rai, Secretary, IAC382018 participated in the Panel discussion. It was said that advances in computing is taking place at a rapid rate and it immediately impacts the entire world. The technologies discussed in the conference like blockchains, emerging 5-G technology, IOT, AI and Machine Learning have their impact in unanticipated situation. Imaging technologies have greatly facilitated the diagnostic methods. The panel congratulated the organizers for doing the rigorous exercise to select the quality papers for presentation in the Conference and organizing eight Keynote addresses of renowned experts from different fields from India and abroad for the benefit of academic community. It was felt that the Conference shall help in the formation of a better, broader and informed community ready to absorb the present and coming advances in their living experiences. The panel congratulated the organizers and wished well for the Centre of Computer Education, IPS, UoA.

International Conference on Sustainable Energy, Electronics & Computing Systems, SEEMS-2018”

Department of Electrical & Electronics Engineering of I.T.S Engineering College, Greater Noida hosted an International Conference on “Sustainable Energy, Electronics & Computing Systems, SEEMS-2018”.

in technical sponsorship of IEEE U.P. Section during October 26-27, 2018.

The auspicious occasion was inaugurated by Hon’ble Chief Guest- Prof. Salvatore Baglio, University of Catania, Italy, Distinguished Keynote Speakers: Dr Jay Giri,- Former. Director, GE Grid Software, Dr. Kumar Vaibhav Srivastava, Chairman-IEEE U.P.-Section, Dr. Asheesh Kumar Singh , Vice-Chairman-IEEE U.P. Section, Mr. Raghav Agarwal, Director-Rotomag Motors & Controls Pvt. Ltd. Gujrat, Dr. Aseem Chandel, IEEE Conference Observer & Dr. Vikas Singh, Executive Director, I.T.S Group of Education , in presence of Delegates , Authors , faculty & scholars.

General Chair, Dr. Monika Jain, Prof. & Head-EEE has presented objectives & program highlights of SEEMS-2018.

Hon’ble Executive Director-Dr. Vikas Singh has delivered a welcome address. In the Inaugural Talk, Chief Guest, - Prof. Baglio has delivered opening lecture on “Cantilevers, Magnets and Stoppers.. for Vibrational Energy Harvesting and other assorted Zero-Threshold “Diode Less” Applications. It was followed by Keynote Session of Dr. Jay Giri, on “Managing Uncertainties of the Future Grid: Evolution of EMS Control Centers – PMU Synchrophasor Solutions “Keeping the Lights On! Yesterday, Today & Tomorrow!” .

Next to this ,the series of Plenary Sessions were delivered by Dr. Kumar Vaibhav, IIT Kanpur, on “Design Challenges of MIMO Antenna Systems for 5G Applications”, Dr. Asheesh Kumar Singh, MNIT Allahabad on “Power Quality Issues: Existing & Emerging Challanges”, Mr. Raghav Agarwal, Rotomag, Gujrat on “Solar Pump: Best Solution with BLDC Motor”. Mr. Akshat Jain, Cyware Labs USA, Bangalore on “Cyber Security in Sustainable Energy Infrastructure”.

It was followed by Skype Sessions, by distinguished International Speaker Dr. Jai Govind , Asian Institute of Technology ,

Thailand on” Distributed Power Grids: A Future Energy System, Dr. Sheldon S. Williamson, Canada Research Chair, University of Ontario on “Power Electronics Enabled Electrified Autonomous Transportation and E-mobility.

After lunch Authors & Research Scholars have presented their papers under following track headings: Energy¹, Electronics², Advance Computing³ & Interdisciplinary⁴ in presence of reputed Session Chairs. A Student Conclave program was being organized by IEEE UP Section Student Activity Convener., Dr. Aseem Chandel and Dr Asheesh K. Singh, MNIT-A.

The second day was started with welcome address by General Chair, Dr. Monika Jain followed by tutorial talk of Mr. Saurabh Nishad, CEO. – Nexotron Infotech Ltd on “Industrial IoT : Its Vertical Applications in Real Time Systems”. Next Plenary Session: “Cloud Computing Paradigm: Access Control Models” was delivered by Prof. Shabana Mehruz, JMI Central University, India. It was followed by Skype Sessions “The role of pneumatic actuation in haptic-enabled VR/AR systems by Dr. Aishwari Talhan, Postdoc Researcher, Kyung Hee University, South Korea, Program was ended with Valedictory Session, by Mr Nitin Kathuria, Organizing chair. In this session all authors were awarded certificates of paper presenter and Best Papers Award .

आईटीएस कॉलेज में सम्मेलन

ग्रेटर नोएडा। नॉलेज पार्क स्थित आईटीएस इंजीनियरिंग कॉलेज में चल रहे दो दिवसीय सस्टेनबल एनर्जी इलेक्ट्रॉनिक्स एण्ड कम्प्यूटिंग सिस्टम अंतर्राष्ट्रीय सम्मेलन का समापन हुआ। जिसमें देश-विदेश के ख्याति प्राप्त शोधकर्ताओं ने सौर ऊर्जा क्षेत्र और 5जी नेटवर्क क्षेत्र में नवीनीकरण ऊर्जा का वर्तमान परिदृश्य और चुनौतियों पर चर्चा की।

देश-विदेश के करीब 136 से अधिक शोधार्थियों ने शोध पत्र प्रस्तुत किए। संस्थान के अधिशासी निदेशक डा. विकास सिंह ने सौर ऊर्जा क्षेत्र एवं 5जी नेटवर्क के क्षेत्र में नवीनतम तकनीकी शोध एवं समस्याओं के निराकरण पर जोर दिया।



IEEE Robotics and Automation Society Congress (IEEE – RASC)

Robotics and Automation Society Chapter, IEEE Student Branch at Quantum School of Technology, Roorkee has organized a two days IEEE Robotics and Automation Society Congress during 21st and 22nd September 2018. This congress was organized for the first time in India sponsored by IEEE Robotics and Automation Society, USA.

The inaugural session of the congress was started with lamp lighting ceremony as a blessing of Goddess Saraswati. Prof. (Dr.) Vivek Kumar, Hon'ble Vice Chancellor, Quantum University, Prof. (Dr.) Gulshan Chauhan, Director, Quantum School of Technology, Prof. (Dr.) Rohit Kushwaha, Director, Quantum School of Business, Mr. Raunak Gupta, Branch Counselor, IEEE Student Branch, Mrs. Jaspreet Srivastava, Faculty Advisor, W.I.E Affinity Group, Mr. Suresh Yaram, Advisor – System Architect, DXC Technology India Limited, Hyderabad, Dr. Rahul Kala, Assistant Professor, Robotics and Artificial Intelligence Laboratory, Indian Institute of Information Technology, Allahabad, Student Branch members, faculty and participants were present during the inaugural session of the congress.

In the start, Prof. (Dr.) Vivek Kumar welcomed all the dignitaries and participants for the 2 days IEEE RAS Congress 2018. He told that the participants for this congress have arrived from the different states of India such as Gujrat, Rajasthan, Uttar Pradesh etc. He also told that Quantum

University focuses on such kind of activities which promotes the interdisciplinary areas of technology so that the student could excel in more than one field of their interest.

Then Mr. Raunak Gupta throws light on the different activities organized by the IEEE student branch in the past in order to promote the research, development and volunteering opportunities among the audience. He also introduced the event as the first ever congress being organized in India. He shared that the congress would consist of different sessions including keynote addresses, presentation and discussion sessions. He shared that the top three presentations during each session would be awarded with cash prizes and the best five participants during each discussion session would be awarded with gifts.

Mr. Suresh Yaram was the keynote speaker for the inaugural session. He delivered his keynote address on “How AI/ML is helping the Insurance Industry globally and significant use cases”. He shared his industrial experience among the participants. Mrs. Jaspreet Srivastava presented the vote of thanks for the inaugural session.

The day 2 of the congress was started with the welcome and introduction of Mr. Arpit Agarwal, Deputy Manager – Didactic Initiatives, Janatics India Private Limited, Noida. Mr. Arpit Agarwal was the keynote speaker for the first keynote session of the day 2. He delivered his keynote address on Industry 4.0. He shared his vast experience in handling the industry 4.0 projects among the participants. The first discussion session on day 2 was conducted on “Artificial Intelligence – Creating Unemployment?” followed by the last discussion session on “Self-Driving Cars – Safe or Threat?”.

The third and final participants presentation session was conducted after the discussion session on day 2. The top three presentations during this session were “Low Cost Futuristic Automation of Food Processing Machine” by Mr. Moyun Sherasiya and group from Marwadi Education Foundation, Rajkot, “Industrial Electrical Parameter Monitoring and Control System with AI Based Analytics and Predication” by Mr. Bhavik Bhansali and group from Marwadi Education Foundation, Rajkot and “Plastic Bottle Crushing Machine” by Mr. Ashish Ranjan from Quantum University, Roorkee. The competitive sessions for the day 2 was judged by Mr. Arpit Agarwal and Dr. Rahul Kala.

The valedictory session of the congress was chaired by Prof. (Dr.) G. C. Nandi, Senior Most Professor and Dean Academics, Indian Institute of Information Technology, Allahabad. Prof. (Dr.) Vivek Kumar welcomed Prof. (Dr.) G. C. Nandi with a bouquet of flower and memento. Prof. (Dr.) G. C. Nandi delivered his keynote address on “Introducing Robotics in the era of Artificial Intelligence (AI) revolution”. He shared his great experience in the field of robotics and artificial intelligence among the delegates and dignitaries. He shared the different mechanisms of robots along with the various issues involved in the practical field. He said that a day will arrive when every household work would be done by robots in a very efficient manner. He also motivated the participants for involving in IEEE and Robotics and Automation Society as the valued member.

At the end the certificates were distributed to the participants for participation and volunteers for appreciation. Mr. Raunak Gupta summarized the congress with the note that “IEEE student branch would continue to host such kind of events for dissemination of the knowledge among the peer community”.



ICMETE2018

International Conference on “Micro-Electronics and Telecommunication Engineering” was held on 20-21 September 2018 (IEEE Record No.: #43082). The conference was technically sponsored by the IEEE UP Section and collaboration with IEEE CPS USA. The theme of the conference is chosen to provide a forum for engineers, academicians, scientists and researchers to present the result of their research activities in the field of Micro-Electronics and Telecommunication Engineering. The primary focus is to create an effective medium for research and education institutions to share ideas, innovations and problem solving techniques.

If talking about the conference speakers, so total of 10 speakers were shared their knowledge and ideas among the group of scholars, faculties and industrialist. Total of 134 papers were received around the world out of these 76 papers accepted and 68 registered. Organizing Committee was sending each paper to 3 independent reviewers, experts in the area of the paper. So, each paper will be evaluated by three independent experts according to the criteria. 66 papers were presented successfully by the authors on the day of conference. To ensure the quality of conference, two days conference was divided into nine different tracks and each track having two session chairs for coordination.



- **Prof. J Ramkumar**, IIT Kanpur has been selected for IEEE India Council Outstanding Volunteer Award – 2018.
- **IEEE UP Section** is recognized for 2018 Outstanding Section Membership Recruitment Performance.
- **IEEE U.P. Section** has received an incentive grant of 3000 USD for making great efforts to organize activities for IEEE community.
- **Dr. Vinay Rishiwal** received Best paper award at IEEE GLOBECOM 2018 held at Abu Dhabi.

S.No	Events	Institutes	Date
1	8th International Conference themed on "Cloud Computing, Data Science & Engineering (Confluence)	ASET, Amity University Noida	January 10-11, 2019
2	6th International Conference on Signal Processing & Integrated Networks – SPIN 2019	Dept of ECE, Amity University, Noida	March 07-08, 2019
3	International conference on internet of things: Smart Innovation and Usages (IoT SIU 2019)	Krishna Engineering College, Ghaziabad	April 19-20, 2019
4	6th UPCON 2019	AMU, Aligarh	November x-y, 2019
5	International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT)	KIET, Ghaziabad	September 27-28, 2019
6	5th Student's Conference on Engineering and Systems (SCES-2019)	MNNIT, Allahabad	May 29-31, 2019
7	5th International Conference on Power, Control & Embedded Systems (ICPCES-2019)	MNNIT, Allahabad	October 03-05, 2019
8	First International Conference on Emerging Trends in Technology and Applications (ETTA)-2019)	REC Kannauj	February 01-02, 2019
9	International Conference on Innovative Sustainable Computational Technologies (ICISCT 2019)	Graphic Era Deemed University Dehradun	October 11-12, 2019
10	International Conference on Computing, Communication and Networking Technologies (ICCCNT-2019)	University of South Alabama USA	July 06-08, 2019
11	8th International Conference on System Modeling & Advancement in Research Trends (SMART-2019)	TMU Moradabad	November 22-23, 2019

POWER ENGINEERING RESEARCH AND APPLICATIONS (PERA-2018)

IEEE Power & Energy Society student branch chapter at Indian Institute of Technology Kanpur (IIT Kanpur) organised a three-day national level workshop on real time digital simulations for power engineering applications (PERA 2018). The event was organised in association with IEEE PES/IAS joint chapter, Uttar Pradesh Section at IIT Kanpur from 16th to 18th November 2018. The programme was sponsored by IEEE PES under Member Driven Initiatives and was co-sponsored by IEEE Industry Application Society along with industrial partners – OPAL-RT, Typhoon and RTDS. The workshop was intended to train the participants on real time simulators used for power engineering research. The event was enriched with technical training including thirteen lecture sessions by eminent academicians and technocrats across India. Intense hands-on training sessions on various real time simulators installed at power engineering research laboratory of IIT Kanpur were the highlights of the programme. 85 participants including academicians, researchers and industrialists who attended the workshop were provided an exposure to simulators including RTDS, OPAL-RT and TYPHOON. A poster presentation was arranged for the researchers to showcase their research related to the theme of the workshop. Dedicated sessions were also held for the participants to know the importance and activities of Power and Energy Society and Women in Power initiative. A visit to smart city laboratory installation at IIT Kanpur was also arranged for the participants to know various smart grid technologies and functionalities. The workshop was inaugurated on 16th November 2018 in presence of Prof. Achla Raina (Dean of Academic Affairs, IIT Kanpur), Prof. S.C.Srivastava (Professor, IIT Kanpur), Prof. K.V.Srivastava (Chair, IEEE UP Section) and Dr. Sandeep Anand (Chair, IEEE PES/IAS Joint Chapter, UP Section). Prof. Saikat Chakrabarty and Prof. Z.V.Lakaparambil delivered keynote lectures on 'Smart City Pilot Projects in IIT Kanpur' and 'Real time simulation and applications in digital control of systems' respectively. The event concluded with a panel session on 'role and future of real time simulators in power engineering research', with Prof. S.C.Srivastava, Prof.N.P.Padhy, Prof.Saikat Chakrabarty and Prof. Z.V.Lakaparambil as panellists.



New Student Branch Chapters/Affinity Groups

- G. B.Pant Engineering College - Pauri Garhwal Power & Energy Society Student Branch Chapter.
- Dehradun Institute Of Technology Computer Society Student Branch Chapter
- Pranveer Singh Institute of Technology Industry Applications Society Student Branch Chapter
- Indian Inst of Tech (Banarus Hindu U) Varanasi Power & Energy Society Student Branch Chapter
- Pranveer Singh Institute of Technology Women in Engineering Student Branch Affinity Group
- Rajkiya Engineering College, Mainpuri Industry Applications Society Student Branch Chapter
- Bipin Tripathi Kumaon Institute of Technology Signal Processing Society Student Branch Chapter
- Institute of Technology Gopeshwar Student Branch
- Rajkiya Engineering College, Ambedkar Nagar Student Branch
- G. B.Pant Engineering College - Pauri Garhwal Student Branch
- Pranveer Singh Institute of Technology Student Branch

Editor's Message

Welcome to the Vol.2 Issue 2 of *IEEE UP Section Newsletter (IUSN)*. I am pleased to present this issue of our biannual supplement which is designed especially to showcase the activities of IEEE UP Section from July 2018 to December 2018. This edition highlights the assortment of news, events, achievements, awards and premier conferences/events held under UP section. I hope you find this fourth issue very interesting and please let us know if there are any topics you'd like to see covered in the future.

Visit us at www.ieeeup.org



Vinay Rishiwal

SMIEEE, Convener Web/NL Committee, IEEE UP Section.
MJP Rohilkhand University,
Bareilly.

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IEEE UP Section – How to Become IEEE Member

You can join IEEE by completing the online membership application. We offer the following membership types:

Professional Membership: For individuals who are contributing or working in a technology or engineering field.

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If you do not have a credit card, please complete the online application, but choose the "Print and Mail/Fax with payment" option on the shipping page. New members that join between 1 March and 15 August are billed at half-off the full-year membership dues, and receive membership benefits through 31 December.



