

# **Section Report 2015**

## **(IEEE Uttar Pradesh Section)**

### **PART A - SECTION SUMMARY**

#### **A.1 Executive Summary –**

IEEE Uttar Pradesh (UP) Section is one of the most active sections in India which can be seen from the numerous events and activities, awards and growth of membership. It has continuously increasing for last three years in terms of opening of new student branches, new student branch chapters, section chapters and recently Nepal subsection. In 2015, Section took many initiatives such as various DL activities, invitation to the society Chapters Presidents, etc. IEEE UP Section technical sponsored 24 conferences/technical and 20 conferences/technical events are financially supported. In 2015, we have organized 150 events including the meetings, lectures, etc.

#### **• Executive Committee (2015)**

All office bearers, conveners of different committees, chairpersons of subsections and society chapters, and immediate past chairperson of the section are ex-officio members of the executive committee.

#### **Office bearers**

1. Chairperson - Dr. Animesh Biswas, EE Department, IIT Kanpur, abiswas@iitk.ac.in
2. Vice-Chairperson – Dr. M Jaleel Akhtar, EE Department, IIT Kanpur, mjakhtar@iitk.ac.in
3. Vice-Chairperson - Dr. Rajesh Gupta, EE Department, MNNIT Allahabad, rajeshgupta@mnnit.ac.in
4. Secretary - Dr. J Ramkumar, ME Department, IIT Kanpur, jrkmur@iitk.ac.in
5. Joint Secretary - Dr Dilip Sharma, CSE Dept., GLA University, Mathura, dilip.sharma@gla.ac.in
6. Treasurer – Dr. Kumar Vaibhav Srivastava, EE Department, IIT Kanpur, kvs@iitk.ac.in

#### **Conveners of various committees**

Conveners of various committees

1. Convener, Awards and Recognition Committee - Dr. S. N. Singh, EE Department, IIT Kanpur, snsingh@iitk.ac.in

2. Convener, Electronic Communication and Promotion Committee - Dr. Y. N. Singh, EE Department, IIT Kanpur, ynsingh@iitk.ac.in
3. Convener, Professional Activities Committee – Dr Nischal K Verma, EE Department, IIT Kanpur, nishchal@iitk.ac.in
4. Convener, Publication and Section History Committee - Dr. Adrish Banerjee, EE Department, IIT Kanpur, adrish@iitk.ac.in
5. Convener, Student Activities Committee – Dr. Nagendra P Pathak, ECE Department, IIT Roorkee, nagppfec@iitr.ac.in
6. Convener, Educational Activities Committee – Dr. Ekram Khan, Department of Electronics Engineering, AMU Aligarh, ekhan67@gmail.com
7. Convener, Women in Engineering (WIE) affinity Group- Dr. Nandini Gupta, EE Department, IIT Kanpur, ngupta@iitk.ac.in
8. Convener, Young Professional/Graduate of Last Decade (GOLD) group- Dr. Sandeep Anand, EE Department, IIT Kanpur, asandeeep@iitk.ac.in
9. Convener, Membership Development Committee – Dr. Munesh Chandra Trivedi, CSE Department, ABES-EC, munesh.trivedi@gmail.com
10. Convenor, Web and News letter committee- Dr. Satish K. Singh, IIT Allahabad, sk.singh@iiita.ac.in
11. Convenor, Special Interest Group of Humanitarian Technology (SIGHT) group- Dr Asheesh K Singh, EE Department, MNNIT Allahabad, asheesh@mnnit.ac.in
12. Convenor, Industry Relations Committee, Mr Sanjeev Sehgal, Indian Railways Allahabad, sehgal\_sanj@rediffmail.com

### **Chairpersons of various subsections / society chapters**

1. Chairperson, Roorkee subsection - Dr. Vinod Kumar, Dept. of Electrical Engg., IIT Roorkee, vinodfee@iitr.ernet.in
2. Chairperson, Nepal subsection - Dr. Arun K Timalina, Dept. of Electronics and Communication Engg., IOE, Tribhuvan Univ, Nepal, t.arun@ioe.edu.np
3. Chairperson, IEEE IE/PE/CS (industrial electronics/ power electronics/ control systems) Joint chapter- Dr. R. K. Tripathi, Department of Electrical Engineering, MNNIT, Allahabad, rktripathi@mnnit.ac.in
4. Chairperson, IEEE PE/IA (Power engineering/ industry application) chapter, Dr. Saikat Chakraborti, EE Department, IIT Kanpur, saikatc@iitk.ac.in
5. Chairperson, IEEE ED (Electronics devices) UP (Nepal) chapter – Dr. Sitaram Prasad Byahut, sbyahut@gmail.com
6. Chairperson, IEEE MTT (Microwave Theory and Techniques) chapter- Dr. M Jaleel Akhtar, EE Department, IIT Kanpur, mjakhtar@iitk.ac.in
7. Chairperson, IEEE CIS Chapter- Dr Nischal K Verma, EE Department, IIT Kanpur, nishchal@iitk.ac.in
8. Chairperson, IEEE SP/C (Signal processing/ computer) Joint chapter - Dr US Tiwary, IIT Allahabad, ustiiita@gmail.com
9. Chairperson, IEEE Robotics and Automation Society Chapter. Dr. G Nandi, IIT Allahabad, gcnandi@gmail.com

## **Other members of the Executive Committee**

Other members of the Executive Committee

1. Dr. A .K. Chaturvedi, EE Department, IIT Kanpur, akc@iitk.ac.in
2. Dr. S. P. Das, EE Department, IIT Kanpur, spd@iitk.ac.in
3. Dr. S C Srivastava, EE Department, IIT Kanpur, scs@iitk.ac.in
4. Dr. A. R. Harish, EE Department, IIT Kanpur, arh@iitk.ac.in
5. Dr. Ajai Jain, CSE Department, IIT Kanpur, ajain@iitk.ac.in
6. Dr Santanu Mishra, EE Department, IIT Kanpur, shantanu@iitk.ac.in
7. Dr. M V Kartikeyan, ECE Department, IIT Roorkee, kartik@iitr.ac.in
8. Dr. R K Srivastava, EE Dept, IIT BHU, Varanasi, rksrivastava.eee@itbhu.ac.in
9. Dr. U S Tiwari, IIIT Allahabad, ust@iiita.ac.in
10. Dr. Mohd Rihan, EE Department, AMU Aligarh, m.rihan.ee@amu.ac.in
11. Dr Rachna Asthana, ECE Department, HBTI Kanpur, rachnaasthana@rediffmail.com
12. Dr. Sailesh Tiwari, CSE, ITS Engg College, Gr Noida, shaileshtiwari@its.edu.in
13. Mr. Ramesh Negi, All-India Radio, rameshnegi@yahoo.com
14. Dr R. Gowri, Director, Graphic Era Hill Univ, Dehradun, ravigowri07@gmail.com
15. Dr Parma Nand Astya, School of CSE, Galgotia Univ, Noida, astya2005@gmail.com
16. Dr. Abhay Bansal, CSE Department, Amity University, Noida, abansal1@amity.edu
17. Mr. C S Prasad, (Student representative), csprasad@iitk.ac.in
18. Mr. Zubair Akhter, EE Department, IIT Kanpur, zuakhter@iitk.ac.in
19. Mr Tarun Gupta, TCS Ghaziabad, tarun.gupta@tcs.com
20. Mr. Sanjay Trivedi, ST Microelectronics India, Gr Noida, sanjay.trivedi@gmail.com
21. Dr. Aseem Chandel, BSACET, Mathura, aseemchandel@ieee.org

- **Major Events (International, National):**  
**SEMINAR/CONFERENCE/SYMPOSIUM etc**

***Technically Approved by IEEE Uttar Pradesh Section:***

1. Jaypee Institute of Information Technology (JIIT) Noida organized “4th International Symposium on Emerging Trends and Technologies in Libraries and Information Services” during January 6-8, 2015.
2. I.T.S. Engineering College, Greater Noida organized “International Conference on Computer and Computational Intelligence” during January 27-29, 2015.
3. ABES Engineering College, Ghaziabad organized two days “International Conference on “Computational Intelligence & Communication Technology (CICT-2015)” during Feb 13-14, 2015.
4. Dept of ECE, IIT Roorkee organized International Conference RAECE during February 13-15, 2015.
5. Department of Electronics & Communication Engineering, Amity School of Engineering & Technology, Amity University, Noida organized “Second International Conference on Signal Processing and integrated Networks (SPIN 2015)” during Feb 19-20, 2015.
6. Department of Mechanical and Electronics Engg., MJP Rohilkhand University, Bareilly organized “International Conference on Academic Research in Engineering, Management and Information Technology” during Feb 21-23, 2015.
7. Amity University Greater Noida Campus is organized International Conference on Futuristic Trends in Computational Analysis and Knowledge Management during February 25-27, 2015.
8. JSSATE, Noida organized “International Conference on Cognitive Computing and Information Processing – CCIP-2015” during March 2-4, 2015.
9. Department of Electrical & Electronics Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh ( Noida campus) organized two days International Conference," Recent Developments in Control, Automation & Power Engineering (RDCAPE-2015)" during March 12-13, 2015.
10. IMS Engineering College, Ghaziabad organized International Conference on Advances in Computer Engineering & Applications-2014 during March 19-20, 2015.

11. Dept of Electrical & Electronics Engineering, Galgotias College of Engineering and Technology, Greater Noida organized International Conference on “Energy, Economics and Environment” (ICEEE2015) during March 27-28 2015.
12. Computer Science & Engg. Deptt., HBTI Kanpur organized INCORD - 2015 Symposium (Student Technical Festival) during April 11-12, 2015.
13. Tula's Institute, Dehradun organized International Conference Advances in Computing & Communication Engineering (ICACCE-2015) during 1-2 May, 2015.
14. Galgotias University, Greater Noida, Gautam Buddha Nagar organized International Conference on Computing, Communication & Automation during May 15-16, 2015.
15. Graphic Era Hill University, Dehradun organized workshop on “Technology enabled teaching and learning for higher education” during June 8-12, 2015.
16. Dept of EE, Galgotias College of Engineering and Technology, Greater Noida organized International Seminar on Solar Energy” (ISSE2015) during August 21-22, 2015.
17. Amity Institute of Information Technology, Amity University Uttar Pradesh, Noida organized 4<sup>th</sup> International Conference on Reliability, Infocom Technologies and Optimization’2015 (Trends and Future Directions) during September 2-4, 2015.
18. The University of Petroleum and Energy Studies, Dehradun (India) organized International Conference on Next Generation Computing Technologies (NGCT-2015) Current and Future Trends during September 4-5, 2015.
19. Galgotias College of Engineering & Technology (GCET), Greater Noida organized International Conference in Green Computing & IoT (ICGCIoT 2015) during October 8-10, 2015.
20. IEEE Student Branch Motilal Nehru National Institute of Technology (MNNIT), Allahabad, Uttar Pradesh organized 4th Students’ Conference on Engineering and Systems (SCES-2015)” during Nov 6-8, 2015.
21. Dept of ECE, GLA University Mathura organized International Conference on Communication Control and Intelligent System CCIS 2015 during November 6-7, 2015.
22. IIIT Allahabad organized II IEEE Uttar Pradesh Section Conference (UPCON) during December 4-6, 2015.
23. Shiv Nadar University, Gautam Buddha Nagar organized 39th National Systems Conference-2015 in December 14-16, 2015.

24. Kantipur Engineering College, Dhapakhel, Lalitpur, Kathmandu, Nepal, 9th International Conference on Software, Knowledge, Information Management and Applications (SKIMA) 2015 during Dec 15-17, 2015.

**Following conference has been financially approved by IEEE Uttar Pradesh Section:**

1. Dept of EE, Galgotias College of Engineering and Technology, Greater Noida organized International Seminar on Solar Energy” (ISSE2015) during August 21-22, 2015.
2. The ECE Dept of ABES Engineering College, Ghaziabad organized National Conference on Broadband & Optical Fiber Technologies (NCBOFT) during March 13-14, 2015.
3. IEEE-SB-IIIT Allahabad is organizing an event, named “Dexter’s Laboratory”, during Aparoksha “The Technical Fest of IIIT-Allahabad” in association with IEEE during March 14-16, 2015
4. IEEE Student Branch, Shepherd School of Engineering & Technology, SHIATS- Deemed University, Allahabad organized a “Technical Poster Presentation” on Feb 24-25, 2015.
5. First UPCON-Dept of Electrical & Electronics Engineering, Galgotias College of Engineering and Technology, Greater Noida organized International Conference on “Energy, Economics and Environment” (ICEEE2015) during March 27-28 2015.
6. IEEE IIT (BHU) Student Branch and Electronics Engineering Department IIT (BHU) Varanasi organized a paper presentation event - Muse as part of annual techno-management festival of Department of Electronics Engg - Udyam '15, March 27-29, 2015.
7. IEEE Student Branch at Kamla Nehru Institute of Technology, Sultanpur organized “EFFULGENCE'15” , A National Level Technical Extravaganza, during April 3-5, 2015.
8. KNIT Sultanpur is organizing “2nd National Power & Energy System Conference (NPESC)- 2015” during April 10-11, 2015.
9. Dept of Computer Science & Engineering, BTK Institute of Technology, Dwarhat organized Student Activity KAIVALYA 2K15 during April 18-19, 2015
11. Dept of Electrical Engineering, ITS Engineering College Greater Noida organized two days workshop on MATLAB during Sept 20-21, 2015.
12. BSACET Mathura organized Seminar on Energy Audit on September 21, 2015.

13. IEEE Computer Society GLA University Student Branch Chapter organized two days 2nd National workshop on “Emerging Trends in Information Retrieval” during September 25-26, 2015.
14. IEEE Student Branch IIIT Allahabad celebrated the IEEE Day on October 06, 2015.
15. UPES IEEE Computer Society Chapter celebrated IEEE Day at University of Petroleum and Energy Studies, Dehradun.
16. GLA University Mathura organized one day National workshop on “How to avoid Plagiarism and Reference Management Tool using Mendeley” on October 03, 2015.
17. GLA University Mathura organized National Workshop on "Advancements in Mobile Communication" during 16th & 17th October 2015 at GLA University, Mathura.
18. IEEE Student Branch IIIT Allahabad in conjunction with its WIE Affinity Group organized "SURAKSHA" - An app development workshop on Women Safety and Security on December 01, 2015 in IIIT Allahabad.
19. Institutions of Engineers (I) Kanpur Centre in association with IITK celebrated 47th World Telecommunication & Information Society Day celebrated on May 17, 2015 at IIT Kanpur.
20. IIIT Allahabad organized second IEEE Uttar Pradesh Section Conference (UPCON) during December 4-6, 2015.

## A.2 Financial Report –

- **Summary (as per submitted NETSUITE)**

<b>IEEE : Region 10 : Region 10</b>	
<b>Balance Sheet End of FY 2015</b>	
<b>Financial Row</b>	<b>Amount</b>
<b>Current Assets</b>	
<b>Bank</b>	
70218 - State Bank of India UP	<b>Rs. 1,431,208.23</b>
74158 - Non IEEE Investment (CD) UP	<b>Rs. 397,644.00</b>
<b>Total Bank</b>	<b>Rs. 1,828,852.23</b>

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

- Total number of active members in the year 2015: **2153**
- Fellow Member: 1
- Life Member: 2
- Life Senior Members: 2

- Senior Members: 102
- Members: 787
- Associate Member: 17
- Student Members: 678
- Graduate Student Members: 573
- Affiliate Members: 14
  
- **Roorkee subsection: 284**  
Events: 2 Administrative/6 Technical/2 Professional
- **Nepal Subsection: 40**  
Events: Technical/ Professional (Newly Formed)

## **B.2 Chapter Activities**

- **Total number of Chapters in the Section – 9**
- **Number of Chapters formed in the current year-2**
- **Summary of Chapter activities chapter wise**
  - IEEE IE/PEL/CS (industrial electronics 3+30/ power electronics 2+27/ control systems 1=20) Joint chapter  
Members: 33/29/21
  - IEEE PE/IA (Power engineering/ industry application 3+45) chapter  
Members: 228/55
  - IEEE ED (Electronics devices 34+31)  
Members: 67
  - IEEE SP/C (signal processing 18+55/ computer 12+154) Joint chapter  
Members: 73/166
  - IEEE MTT chapter (39+89)  
Members: 118
  - IEEE CIS (4+52)  
Members: 56
  - IEEE WIE  
Members: 222
  - IEEE CAS/SSC (Circuit and Systems 6+14/Solid State Circuit 4+17 )  
Joint chapter  
Members: 41

## **B.3 Professional and Continuing Education Activities**

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information



**ACTIVITIES ORGANISED BY IEEE UP SECTION DURING YEAR 2015**

<b>DATE</b>	<b>NAME &amp; ADDRESS</b>	<b>TITLE</b>	<b>Venue</b>
02.01.2015	Prof. Krishna Naishadham Georgia Institute of Technology, USA	Seminar on Multi-Band Array Design"	IIT Kanpur
06.01.2015	JIIT Noida	Symposium on Emerging Trends and Technologies in Libraries and Information Services	JIIT Noida
06.01.2015	Dr. Swati Gupta Postdoctoral Fellow EPFL Switzerland	Ultra-thin dielectric for organic thin-film transistors	IIT Kanpur
09.01.2015	Dr. Abhinav Kumar Singh, Imperial College, London	Seminar on Decentralized Estimation and Control for Power Systems	IIT Kanpur
15.01.2015	Dr. Gaurav Pandey Research Scientist Ford Motor Company, Dearborn, USA	Camera and Lidar Sensor Data Fusion and its Applications in Autonomous Navigation of Vehicles	IIT Kanpur
16.01.2015	Dr. Sushobhan Avasthi Assistant Professor, Centre for Nano Science and Engineering (CeNSE), IISc, Bangalore, India	Facilities at Centre for Nano Science and Engineering, IISc Bangalore	IIT Kanpur
20.01.2015	Dr. Amit Agrawal CNST, National Institute of Standard and Technology, Gaithersburg, MD USA and IREAP, University of Maryland, College Park, MD USA	Negative Refraction and Negative Radiation Pressure at Visible and Ultraviolet Frequencies"	IIT Kanpur
21.01.2015	Prof. Arindam Ghosh, Curtin University, Perth, Australia	Expert lecture under IEEE Distinguish Lecturer Program on Evolution from Microgrid to Smart Microgrid	MNNIT Allahabad
27.01.2015	SHIATS-Deemed University, Allahabad	IEEE Student Branch, "Technical Poster Presentation"	SHIATS- Deemed University, Allahabad
27.01.2015	I.T.S Engineering College, Greater Noida	ICCI 2015	I.T.S Engineering College, Greater Noida

27.01.2015	SHIATS-Deemed University, Allahabad	ELECTRO-VISTA 2015	SHIATS, Naini, Allahabad
13.02.2015	ABES Engineering College, Ghaziabad	CICT 2015	ABES Engineering College, Ghaziabad
13.02.2015	IIT Roorkee	National Conference RAECE	IIT Roorkee
15.02.2015	Galgotias College Of Engineering & Technology, Greater Noida	ISSE 2015	Galgotias College Of Engineering & Technology, Greater Noida
16.02.2015	Dr. Sanjeev Manhas, Roorkee	Annual General Meeting of IEEE ED student branch chapter	IIT Roorkee
17.02.2015	Vijay K. Bhargava Dep of Electrical and Computer Engineering University of British Columbia, Vancouver	IEEE Seminar on Evolving Fifth Generation Cellular Networks: An Energy-Efficient Perspective	IIT Kanpur
19.02.2015	Amity University, Noida	SPIN 2015	Amity University, Noida
21.02.2015	MJP Rohilakhand University, Bareilly	International Conference on Academic Research in Engineering, Management and Information Technology	MJP Rohilakhand University, Bareilly
21.02.2015	Ms. Sonal Dixit IIT Kanpur	Executive Committee Meeting IEEE UP Section CIS Chapter	IIT Kanpur
24.02.2015	SHIATS- Deemed University, Allahabad	Technical Poster Presentation	SHIATS- Deemed University, Allahabad
25.02.2015	Amity University, Noida	ICFT 2015	Amity University
25.02.2015	Amity University , Greater Noida	International Conference on Futuristic Trends in Computational Analysis and Knowledge Management	Amity University , Greater Noida
27.02.2015	Galgotias College Of Engineering & Technology, Greater Noda	ICEEE 2015	Galgotias College Of Engineering & Technology, Greater Noda
02.03.2015	JSS Noida	CCIP 2015	JSS Noida
12.03.2015	Amity University Uttar Pradesh ( Noida	RDCAPE-2015	Amity University Uttar

	campus)		Pradesh ( Noida campus)
13.03.2015	ABES Engineering College, Ghaziabad	NCBOFT 2015	ABES Engineering College, Ghaziabad
14.03.2015	IEEE-SB-IIIT Allahabad	Technical Fest of IIIT-Allahabad	IEEE-SB-IIIT Allahabad
17.03.2015	Prof. G. C. Nandi, IIIT-Allahabad	Robotics and Automation Society UP Section Chapter: MINUTES OF THE 1ST GENERAL BODY MEETING GEO-Code CH10728	IIIT-Allahabad
18.03.2015	Prof. Jugul Kishore Gupta	Inaugural cum guest lecture of IEEE Student Chapter	
18.03.2015	Prof. G. C. Nandi IIIT-Allahabad	Towards Agile Flight of Vision-controlled Micro Flying Robots: from Frame-based to Event-based Vision	IIIT-Allahabad
19.03.2015	IMS Engineering College, Ghaziabad	International Conference on Advances in Computer Engineering & Applications-2015	IMS Engineering College, Ghaziabad
23.03.2015	Dr. Lalitha Vadlamani Microsoft Research, Bangalore	IEEE seminar Coding for Distributed Storage and Distributed Function Computation	IIT Kanpur
23.03.2015	Dr. HS Jatana SCL/ISRO, Chandigarh	IEEE Seminar	IIT Roorkee
24.03.2015	Dr. Aseem Chandel	Extempore Competition	BSACET MATHURA
24.03.2015	Ms. Anil Kumar Saini Head-Railway Systems, Hyderabad Metro Rail Project	IEEE Seminar on Modern Signaling & Train Control System	IIT Kanpur
25.03.2015	Dr. Rajesh Kumar University of Colorado Boulder, USA	IEEE Seminar on Micro Optical Devices for Optical Logic, Interconnects and Signal Processing	IIT Kanpur
27.03.2015	I.T.S Engineering College, Greater Noida	RACE 2015	I.T.S Engng College, Greater Noida
27.03.2015	IEEE IIT (BHU), Varansi	Paper presentation event (Udyam '15)	IEEE IIT (BHU)
27.03.2015	Galgotias College of Engineering and Technology, Greater Noida	ICEEE-2015	Galgotias College of Engg and Tech, Greater Noida

28.03.2015	Prof. Animesh Biswas IIT Kanpur	First IEEE Uttar Pradesh Section Executive Committee Meeting of Year 2015	Galgotias College of Engg and Tech, Gr Noida
30.03.2015	Prof. G. C. Nandi, IIT-Allahabad	First workshop on Robotics for the students under IEEE RAS UP section on April 12-04- 2015.	IIT-Allahabad
31.03.2015	Prof. Karu Esselle Sydney	Electromagnetics for Biomedical and Telecommunication applications organized by MTT-S Uttar Pradesh Chapter	IIT Kanpur
03.04.2015	Kamla Nehru Institute of Technology, Sultanpur	EFFULGENCE'15	Kamla Nehru Institute of Technology, Sultanpur
06.04.2015	Prof. Jugul Kishore Gupta	Educational Visit by IEEE MTTS Student Members	IIT Delhi
09.04.2015	Prof Jonathan Manton Future Generation Electrical and Electronic Engineering Department The University of Melbourne	Transdisciplinary Challenges - From Mathematics to Systems Engineering and Neuroscience	DA 229, ACES Building, Electrical Engg. IIT Kanpur
10.04.2015	KNIT Sultanpur	NPESC 2015	KNIT Sultanpur
10.04.2015	L Navinkumar Rao	Technical Debate on Renewable Energy and its Challenges	I.T.S Engineering College, Greater Noida
11.04.2015	HBTI Kanpur	INCORD-2015	HBTI Kanpur
13.04.2015	L Navinkumar Rao	Application on Power Electronics and Drives Using MATLAB on Current Scenario	I.T.S Engineering College, Greater Noida
13.04.2015	Dr. Animesh Biswas IIT Kanpur	A Seminar on "Substrate Integrated Waveguide Circuits and Antennas"	IIT-Roorkee
13.04.2015	Dr. Animesh Biswas IIT Kanpur	A Seminar on "Substrate Integrated Waveguide Circuits and Antennas"	IIT-Roorkee
13.04.2015	Dr. A.K. Pradhan, Professor Department of Electrical Engineering Indian Institute of Technology, Kharagpur	Evolving New Generation of Intelligent Protection	IIT Kanpur

18.04.2015	BTK Institute of Technology, Dwarhat	KAIVALYA 2015	BTK Institute of Technology, Dwarhat
18.04.2015	Dr. Satish Singh	IEEE Uttar Pradesh Section Signal Processing and Computer Joint Chapter Executive Committee	IIIT-Allahabad
21.04.2015	L Navinkumar Rao	Workshop on MATLAB	I.T.S Engineering College, Greater Noida
23.04.2015	Dr. Amit Ranjan Trivedi Doctoral student Georgia Institute of Technology	Low power neuromorphic computing with Tunneling Field Effect transistors	IIT Kanpur
25.04.2016	Prakhar Jain	Embedded System Design Workshop in THDC-IHET	THDC-IHET
30.04.2015	ZUBAIR SIDDIQUI IIT Kanpur	IEEE MTT-S Expert Lecture on "Cell Phone/Tower Radiation Hazards and Solutions"	IIT Kanpur
01.05.2015	Tula's Institute Dehardun	ICACCE-2015	Tula's Institute Dehardun
09.05.2015	OM Prakash	One day workshop on MEMS Devices sponsored by IEEE, EDS	
09.05.2015	Krishna Vir Singh	INAUGURAL FUNCTION OF IIMT COLLEGE OF ENGINEERING GREATER NOIDA STUDENT BRANCH(STB17771)	IIT Kanpur
15.03.2015	Sonal Dixit IIT Kanpur	Publicity and Membership Drive	Galgotia University at Radisson Blu, Hotel , Greater Noida
13.05.2015	Dr. Sourabh Khandelwal Postdoctoral Fellow University of California Berkeley	Advanced RF and CMOS Devices: Modeling, Characterization and Fabrication	IIT Kanpur
14.05.2015	Ms. Surya Sharma Research student University of California Berkeley	CMOS Circuit Designs for Biomedical and Memory Applications	IIT Kanpur
17.05.2015	Institutions of Engineers (I) Kanpur Centre	47th World Telecommunication & Information Society Day	Institutions of Engineers (I) Kanpur Centre
21.05.2015	Krishna Vir Singh	Methodology of Research Paper Writing	

22.05.2015	ZUBAIR SIDDIQUI IIT Kanpur	General Meeting of IEEE student Branch IIT Kanpur	IIT Kanpur
28.05.2015	Sonal Dixit IIT Kanpur	Executive Committee Meeting	IIT Kanpur
28.05.2015	Prof. Santosh Vishvakarma IIT Indore	Next Generation Electronics: Smarter The World	IIT Kanpur
30.05.2015	Prof. Animesh Biswas IIT Kanpur	Second IEEE Uttar Pradesh Section Executive Committee Meeting	IIT Kanpur
01.06.2015	IIT Roorkee	A Technical meeting on "Various means of Advertising IEEE Microwave Theory & Techniques Society for persuading freshers"	IIT Roorkee
08.06.2015	Graphic Era Hill University, Dehradun	Technology enabled teaching and learning for higher education	Graphic Era Hill University, Dehradun
10.06.2015	IIT Roorkee	GaN Devices Fabrication, Device modeling and Power Amplifier Design	IIT Roorkee
29.06.2015	BSACET Mathura	Course on MATLAB Basics	BSACET Mathura
09.07.2015	IIT Kanpur	Introduction to Numerical Simulation Using Electromagnetic Solver: CST Microwave Studio	IIT Kanpur
23.07.2015	Dr. Lalitha Vadlamani Microsoft Research, Bangalore	Coding for Distributed Storage and Distributed Function Computation	IIT Kanpur
15.07.2015	IIT Kanpur	Executive Committee Meeting	IIT Kanpur
01.08.2015	IIT Roorkee	IEEE Special Interest Group (SIG) Meeting	IIT Roorkee
14.08.2015	MNNIT Allahabad	2nd IEEE UP Section SP/C Joint Chapter Executive Committee Meeting	MNNIT Allahabad
16.08.2015	Prof Animesh Biswas	3rd IEEE Uttar Pradesh Section Executive Committee Meeting of Year 2015	IIT Kanpur
21.08.2015	Galgotias College of Engineering and Technology, Greater Noida	ISSE 2015	Galgotias College of Eng and Tech, Gr Noida
24.08.2015	Dr. Dilip Sharma	Seminar on IEEE Membership, Its Mission, Its Benefits & the Organization	GLA University Mathura

24.08.2015	IIT Kanpur	IEEE UP PES/IAS Chapter lecture	IIT Kanpur
24.08.2015	Prof Subhasis Chaudhuri, Dept of EE, IIT Bombay	EE Departmental Seminar on Applications of Machine Learning in Haptic Perception	IIT Kanpur
24.08.2015	Prof Subhasis Chaudhuri, Dept of EE, IIT Bombay	IEEE UP Section Seminar on Applications of Machine Learning in Haptic Perception	IIT Kanpur
26.08.2015	BSACET Mathura	Seminar on Industrial Automation	BSACET Mathura
26.08.2015	IEEE MTT-S sponsored workshop on "Sources and Applications of RF and Microwaves"	I.T.S Engineering College, Greater Noida	I.T.S Engineering College, Greater Noida
27.08.2015	IEEE MTT-S sponsored workshop on "Sources and Applications of RF and Microwaves"	I.T.S Engineering College, Greater Noida	I.T.S Engineering College, Greater Noida
27.08.2015	IEEE MTT-S sponsored workshop on "Sources and Applications of RF and Microwaves"	I.T.S Engineering College, Greater Noida	I.T.S Engineering College, Greater Noida
02.09.2015	Amity University Uttar Pradesh, Noida	4 <sup>th</sup> International Conference on Reliability, Infocom Technologies and Optimization'2015	Amity University Uttar Pradesh, Noida
04.09.2015	University of Petroleum and Energy Studies, Dehradun (India)	NGCT-2015	University of Petroleum and Energy Studies, Dehradun
04.09.2015	IIT Kanpur	ANSYS Electromagnetics Suite, especially High Frequency Structural Simulator (HFSS)	IIT Kanpur
10.09.2015	Dr. Saurav Pramanik is a postdoctoral scientist in Corporate Research ABB in Västerås, Sweden since April, 2014	IEEE seminar on "Innovative Applications from Analysis of Frequency and Time Domain Response of Transformer Winding"	IIT Kanpur
15.09.2015	Shashank Pandey is a graduate student in the Electrical Engineering department at the University of Utah	IEEE seminar on "Terahertz Photonics: Future of Electronics"	IIT Kanpur
17.09.2015	MNNIT, Allahabad	IE/PEL/CS Joint Chapter Lecture	MNNIT, Allahabad
20.09.2015	ITS Engineering College Greater Noida	Two days workshop on MATLAB	ITS Engineering College Greater

			Noida
21.09.2015	BSACET Mathura	Seminar on Energy Audit	BSACET Mathura
22.09.2015	Rohit Budhiraja is a Post-doctoral Researcher at IIT Madras	IEEE seminar on "Asymmetric Two-Way Relaying in Cellular Systems"	IIT Kanpur
25.09.2015	Dr. Dilip Sharma	2nd National workshop on "Emerging Trends in Information Retrieval"	GLA University Mathura
26.09.2015	IIT Kanpur	Executive Committee Meeting	IIT Kanpur
28.09.2015	Sharayu Moharir is a Visiting Fellow in the School of Technology and Computer Science at the Tata Institute of Fundamental Research, Mumbai, India.	IEEE seminar by Sharayu Moharir on "Serving Content with Unknown Demand: the High-Dimensional Regime"	IIT Kanpur
01.10.2015	Kathmandu, Nepal	Distinguish Lecture and Technical Talks	Kathmandu
03.10.2015	Dr. Dilip Sharma	National Workshop on "Reference Management Tool Using Mendeley" and "How to avoid Plagiarism"	G. L. A. University - Mathura
03.10.2015	Dr. Alok Kanti	Invited Expert Lecture	IIT Allahabad
04.10.2015	Prof. Animesh Biswas	4 <sup>th</sup> IEEE Uttar Pradesh Section Executive Committee Meeting of Year 2015	Conference Room, Visitor Hostel, IIT Kanpur
06.10.2015	Dr. Dilip Sharma	IEEE Day 2015	GLA University Mathura
06.10.2015	MNNIT, Allahabad	IE/PEL/CS Joint Chapter Lecture	MNNIT, Allahabad
06.10.2015	MNNIT, Allahabad	IEEE Day by IE/PEL/CS Chapter	MNNIT, Allahabad
08.10.2015	Galgotias College of Engineering & Technology (GCET), Greater Noida	ICGCIoT 2015	Galgotias College of Engineering & Technology (GCET), Greater Noida
10.10.2015	Dr. Dilip Sharma	WORKSHOP ON WEB DESIGNING &	GLA University Mathura



		DEVELOPMENT	
16.10.2015	Dr. Dilip Sharma	National Workshop on "Advancements in Mobile Communication"	GLA University Mathura
17.10.2015	Dr. Dilip Sharma	Workshop on " POINTERS in C"	GLA University Mathura
17.10.2015	Dr. Dilip Sharma	Workshop on "Mozilla Webmaker"	GLA University Mathura
19.10.2015	MNNIT, Allahabad	IE/PEL/CS Joint Chapter Lecture	MNNIT, Allahabad
29.10.2015	ZakirHussain College of Engineering and Technology, Amu	Orientation Ceremony	ZakirHussain College of Engineering and Technology, AMU
04.11.2015	IIT Kanpur	Introduction to Antenna Radiation Pattern Measurement Setup	IIT Kanpur
06.11.2015	Dr. Steven James Pearce, School of Computing Science Simon Fraser Univ. British Columbia, Canada V5A 1S6	International Conference on Communication Control and Intelligent System (CCIS-2015)	G L A University Mathura
06.11.2015	MNNIT, Allahabad	4th STUDENTS' CONFERENCE ON ENGINEERING AND SYSTEMS	MNNIT, Allahabad
06.11.2015	Zakir Hussain College of Engineering and Technology, Amu	ANIMAX Workshop	Zakir Hussain College of Engineering and Technology, Amu
16.11.2015	Pravin Bhagwat is an entrepreneur and a wireless security researcher. He is Co-founder and CTO of AirTight Networks	EEE seminar on "Wi-Fi Performance: Perspective from the trenches"	IIT Kanpur
17.11.2015	IIT Kanpur	IEEE PES/IAS UP Chapter lecture, Part 1	IIT Kanpur
18.11.2016	IIT Kanpur	IEEE PES/IAS UP Chapter lecture, Part 2	IIT Kanpur

19.11.2015	ZubairAkhter	IEEE AP-S DL on "Some Recent advances in Antennas and Near Field Theory with Impact on Designs for Wireless and other Applications"	IIT Kanpur
21.11.2015	Dr. Asheesh Kumar Singh,	IEEE Smart Village Survey by IEEE SIGHT UP Section	MNNIT, Allahabad
25.11.2015	ZubairAkhter	Administrative Meeting of IEEE MTT-S U.P. Chapter and MTT-S SBC IIT Kanpur	IIT Kanpur
28.11.2015	Dr. Dilip Sharma	Workshop on "NETWORKING	G. L. A. University Mathura
30.11.2015	MNNIT Allahabad	Student Executive Committee Meeting for IIITA RAS SBC	MNNIT Allahabad
01.12.2015	IIIT Allahabad	SURAKSHA-2015	IIIT Allahabad
02.12.2015	BSACET Mathura	Seminar on IEEE Awareness	BSACET Mathura
03.12.2015	Dr. Puneet Goyal Faculty Graphic Era University, Dehradun, India	IEEE seminar on "Model-Based Halftoning for Printer Imaging Systems and Analysis of Clustered-dot halftoning with Direct Binary Search	IIT Kanpur
04.12.2015	IIIT Allahabad	2015 IEEE UPCON	IIIT Allahabad
05.12.2015	IIIT Allahabad	SPS Distinguished Lecture	IIIT Allahabad
06.12.2015	IIIT Allahabad	PhD Symposium	IIIT Allahabad
08.12.2015	IIT Roorkee	IEEE CAS SBC Workshop on "VLSI Design and Test"	IIT Roorkee
08.12.2015	Prof. István Erlich, Head of the Institute of Electrical Power Systems, University of Duisburg-Essen, Duisburg, Germany	Guest Lecture on the Topic - The German Energy Transition: Need for a Comprehensive Basic Research	GLA University Mathura
08.12.2015	IIT Kanpur	Development in Terahertz Technology for Astronomy, Imaging and NDT	IIT Kanpur
08.12.2015	IIT Kanpur	Ultra-broadband MMIC Cascode Travelling Wave Amplifier Design on III-V Semiconductors	IIT Kanpur

12.12.2015	Indian Institute of Information Technology Allahabad (IIITA),	CISLP Workshop	Indian Institute of Information Technology Allahabad (IIITA),
14.12.2015	Shiv Nadar University, Gautam Buddha Nagar	39th National Systems Conference-2015	Shiv Nadar University, Gautam Buddha Nagar
14.12.2015	IIT Kanpur	2015 IEEE CIS Winter School on Computational Intelligence	IIT Kanpur
14.12.2015	IIT Kanpur	Smart Coordinated Distribution System Control to Enable High Level Penetration of Rooftop PVs	IIT Kanpur
14.12.2015	IIIT Allahabad	IHCI-2015	IIIT Allahabad
15.12.2015	Kantipur Engineering College, Dhapakhel, Lalitpur, Kathmandu, Nepal	SKIMA 2015	Kantipur Eng College, Dhapakhel, Lalitpur, Kathmandu, Nepal
15.12.2015	Dr. Yateendra Mishra, Senior Lecturer, School of Electrical Engineering and Computer Science, Queensland University of Technology, Brisbane, Australia	Smart Coordinated Distribution System Control to Enable High Level Penetration of Rooftop PVs	IIT Kanpur
17.12.2015	Dr. Amit Verma Post-Doctoral Associate School of Electrical and Computer Engineering Cornell University, New York, USA.	IEEE seminar on "Exploring Oxide Semiconductors for Future Electronics"	IIT Kanpur
18.12.2015	IIT Kanpur	IEEE UP Lecture: Analyzing Impact of PMU Data Quality on Critical Smart Grid Applications	IIT Kanpur
23.12.2015	DrRajkumarBuyya University of Melbourne, Australia	Seminar on Innovative Solutions for Deployment of Big Data Applications on Computing Clouds	G.L.A. University Mathura
30.12.2015	KIT Kanpur	IEEE CIS Membership Drive	KIT Kanpur
31.12.2015	Dr. Veeresh Deshpande postdoctoral researcher	IEEE seminar on "Towards a III-V-SiGe CMOS technology: Integration schemes from	IIT Kanpur

	IBM Research – Zurich Research Laboratory, Switzerland	devices to circuits	
--	--	---------------------	--

#### **B.4 Students Activities**

Many student programs are organized including the leadership workshop, Branch chairs meet, 3<sup>rd</sup> Student conference, etc. which can be seen from the activities.

- **Total number of Student Branches in the Section: 47**

1. IIT Kanpur
2. MMMEC Gorakhpur
3. KNIT Sultanpur
4. IET Lucknow
5. IIT Roorkee
6. IT-BHU Varanasi
7. ABES Engineering College, Ghaziabad
8. University of Allahabad
9. Amity School of Engineering & Technology Noida
10. Dr K N Modi Institute of Engineering & Technology, Modinagar
11. Bhagwant Institute of Technology, Muzaffar Nagar
12. Dehradun Institute of Technology
13. Raj Kumar Goel Institute of Technology, Ghaziabad
14. Krishna Instof Engineering & Technology, Ghaziabad
15. Sachdeva Institute of Technology, Mathura
16. JaypeeInst of Information Technology, Noida
17. J.S.S. Academy of Technical Education, Noida
18. Zakir Hussain College of Engineering & Technology, Aligarh
19. G. L. A. University Mathura
20. University of Petroleum & Energy Studies, Dehradun
21. Hindustan Institute of Tech. and Management, Keetham, Agra
22. Ajay Kumar Garg Engineering College, Ghaziabad
23. Sherwood College of Engineering, Research & Technology, Barabanki (Student Branch Chapter for MTT Society)
24. BSA College Of Engineering & Tech SB
25. Bipin Tripathi Kumaon Institute of Technology SB
26. Dayalbagh Educational Inst SB
27. Dronacharya Group of Institutions SB
28. Graphic Era University SB
29. Indian Institute of Information Tech-Allahabad SB
30. Inst of Tech &Mgmt - Gorahpur SB
31. Integral University SB
32. JRE Group of Institutions, Greater Noida SB
33. Motilal Nehru National Institute of Tech SB
34. THDC Inst of Hydropower Eng& Tech SB
35. United College of Engineering & Research SB
36. Galgotias College of Engineering And Technology SB
37. SRM University, NCR Campus SB
38. G. L. Bajaj Group of Institutions - Mathura SB
39. Galgotias University SB
40. IMS Engineering College - Ghaziabad SB

41. ITS Engineering College SB
42. Maharaja Agrasen Inst of Tech SB
43. Shepherd School of Eng and Tech SB
44. Manav Rachna College of Engineering SB
45. Gokaraju Rangaraju Inst of Eng & Tech SB
46. Siddaganga Inst Of Tech
47. Reva Institute of Technology and Management SB

**Number of Student Branches formed in the current year: 16**

1. Amity University Greater Noida Campus
2. Greater Noida Institute of Technology, Greater Noida
3. IIMT College of Engineering Noida Student Branch
4. IFTM University, Moradabad
5. Inderprastha Engineering College, Ghaziabad
6. Kanpur Institute of Technology, Kanpur
7. Krishna Engineering College, Ghaziabad
8. Mangalayatan University
9. R.R. Institute of Modern Technology Lucknow
10. Ram-Eesh Inst of Eng & Tech
11. Rajshree Institute of Management and Technology Student Branch
12. Shiv Nadar University
13. Tulas Inst, The Engg & Man Coll, Dehradun
14. Uttarakhand Technical University
15. Uttarakhand Technical University-Dehradun
16. Vivekananda College of Technology & Management

• **Total number of Student Branch Chapters in the Section: 14**

1. BSA College Of Engineering & Tech, PE31
2. Bhagwant Institute of Technology MTT17
3. Hindustan Inst of Tech and Mgnt Keetham Agra MTT17
4. Indian Inst of Technology-Roorkee, CAS04
5. Indian Inst of Technology-Roorkee, ED15
6. Lovely Professional University RA
7. Sachdeva Institute of Technology, AP03
8. Sachdeva Institute of Technology, C16
9. Sachdeva Institute of Technology, MTT17
10. Sherwood Coll of Eng Rch& Tech, Barabanki, MTT17
11. THDC Inst of Hydropower Eng& Tech, PE31
12. THDC Inst of Hydropower Eng& Tech, RA24
13. United College of Engineering & Research, MTT17
14. University of Allahabad, C016
15. ABES Engineering College Branch Chpt, MTT17
16. ABES Engineering College, MTT17
17. ABES Engineering College, WIE
18. BSA College Of Engineering & Tech, WIE
19. G. L. A. University - Mathura, C16
20. G. L. A. University Mathura WIE
21. ITS Engineering College, PE31

22. ITS Engineering College, WIE
23. Indian Inst of Technology-Kanpur, IA34
24. Indian Inst of Technology-Kanpur, MTT17
25. Indian Inst of Technology-Roorkee, MTT17
26. Motilal Nehru National Institute of Tech, PE31
27. THDC Inst of Hydropower Eng & Tech, WIE

- **Number of Student Branch Chapters formed in the current year: 9**

1. Indian Institute of Information Technology- Allahabad Robotics and Automation Society Student Branch Chapter
2. IIMT College of Engineering Noida Antennas and Propagation Society Student Branch Chapter
3. Rajshree Institute of Management and Technology Power & Energy Society Student Branch Chapter
4. Rajshree Institute of Management & Technology Women in Engineering Student Branch Affinity Group
5. IEEE CS UPES Dehradun Student Branch Chapter
6. Indian Institute of Information Technology-Allahabad Women in Engineering Student Branch Affinity Group
7. Indian Inst of Technology-Kanpur Antennas and Propagation Society Student Branch Chapter
8. IIMT College of Engineering Noida Computer Society Student Branch Chapter
9. Indian Institute of Technology-Banaras Hindu University-Varanasi Industry Applications Society Student Branch Chapter

### **B.5 Affinity Group Activities**

- WIE: Formation is completed  
Several WIE chapters are formed in the section.
- SIGHT: Formation is completed and various SGHT projects with help of R10 and Section are underway.

### **B.6 Awards & Recognition Activities**

- **Award constituted by the section:4**
  1. Outstanding Branch Counselor/Advisor Award: **Dr Aseem Chandel, BSA Mathura**
  2. Outstanding Section Volunteer Award: **Dr Prabhakar Tiwari, GCET Gr. Noida**
  3. Best Student Branch Chapter Award: **IEEE Computer Society, GLA University**
  4. Largest Student Branch Award: **IIIT Allahabad**

### **B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)**

- New Home Page of the section launched (give the URL and frequency which it is updated) <http://www.ieeeup.org> . The newsletter is generated through this URL and send to all the members.

## **B.8 Industry Relations**

- **Membership growth and retention:** Excom members approached many industries for renewal and to have the activities in their premise. General visits and promotion for growth & retention
- **Activities for/with industrial members:** We had one Industry meet and planned to have in future. There were 10 industry people came and expressed their viewed and agreed to promote the industry linkage in future too. Many industry people are invited for talk. Industrial visits to the students are also organized.

**B.9 Humanitarian Technology Activities:** SIGHT is being formed in the section. Activities related to SIGHT is started with the help of R10 and Section funding.

## **B.10 Community Activities**

- IEEE Social activities (Family day, IEEE day, Engineers Week)”: IEEE day celebrated. SIGHT projects are funded from the R10 and Section are under execution.

## **PART C - OTHERS**

**C.1 Relationship with National Societies:** Yes. Section is actively involved with the local /national societies, vis. IE(I), IETE(E). Institutions of Engineers (I) Kanpur Centre in association with IITK celebrated 47th World Telecommunication & Information Society Day celebrated on May 17, 2015 at IIT Kanpur.

**C.2 Special Events:** Section organized the programs for the house wives such as computer usage, self defense against the eve teaser etc.

**C.3 Problems to be Anticipated:** The membership retention is one of the major concerns and Uttar Pradesh Section is providing all the helps to the members to continue their membership.

**C.4 Best Practices of your section (which you would like share with other sections for the benefits of members):** Various initiatives are taken such as

1. Approaching the industry and the Institute where limited members are there for forming the branches and chapters.
2. Organizing the leadership workshops for the volunteers of Section.
3. Organized mini-POCO to increase the awareness in quality paper and conference organization.

## **PART D - GOALS AND PLANS**

**D.1 Continuation of Project/Activity in Progress and Their Implementation Plans:**

As in previous years, our basic goal remains one of providing an interesting and professionally exciting set of technical activities for our members so that we can help in promoting their professional growth. We will continue to hold as many good quality technical meetings to achieve this goal and would like them to be held in a distributed manner in the geographical section represented by us, i.e. the U.P. Region. In the U.P.

Region, wherever we have a sufficient concentration of members or where we feel that IEEE membership can be promoted, we have been organizing and would like to continue to organize technical activities (or help in organizing them). This has helped and will help further in our goal of promoting IEEE membership within the engineering professionals and students in this area.

Projects on WIE and SIGHT are done in last year and the same will continue in years to come. YP is to be formed in this year.

## **D.2 Goals and Future Plans**

We will continue to promote other regular technical activities in the U.P. Region by providing joint sponsorship, support and publicity to conference and symposia organized in and around this region. We continue to encourage our members to promote such activities and assist them in organizing these as far as possible. We intend to use our communication channels (email, WWW web page, newsletter etc.) to publicize these activities so that our members can gain maximum advantage from them. We also generally request the organizers of these activities to charge a reduced registration fee for IEEE members so that we can then use this to promote the benefits of IEEE membership.

We plan to encourage student membership by organizing activities focused on students' needs. We plan to organize useful panel discussions as has been done in the past. We also plan to organize site visits to local industrial organizations, power stations and laboratories for them. We are considering starting some lectures and group discussions, which can help in providing career guidance and counseling to students. We wish to promote better industry academia ties in our region and the first two special initiatives are planned accordingly.

Various activities are planned such as

- (a) Increase in industry members with various industries meet in the IEEE Uttar Pradesh Section conference.
- (b) Formation of student branches at several potential institutes and providing the guidance to organize the various activities.
- (c) Implementation of invited lectures with DL and local speakers
- (d) Many student related activities