



IEEE DTU
Student Branch

IEEE DELHI SECTION CONGRESS 2018

REPORT

ABOUT IEEE

IEEE, an association dedicated to advancing innovation and technological excellence for the benefit of humanity, is the world's largest technical professional society. IEEE is a non-profit corporation, incorporated in the state of New York on 16 March, 1896. The purpose of IEEE is to engage exclusively in scientific and educational activities directed towards advancement of theory and practice of electrical, electronics, communications and computer engineering as well as computer science, allied branches of engineering and related arts and sciences.

IEEE, although, stands for the **Institute of Electrical and Electronics Engineers**, it has always consisted of all, be it engineers, scientists, or allied professionals. These include computer scientists, software developers, information technology professionals, physicists, medical doctors, and many others in addition to core strength of electrical and electronics engineering.

IEEE inspires a global community to innovate for a better tomorrow through its more than 423,000 members in over 160 countries.

ABOUT IEEE DELHI SECTION

IEEE Delhi Section is one of the vibrant sections in India coming under the Asia-Pacific Region, i.e. Region 10 of IEEE. It covers the **entire northern part of the country** consisting of the National Capital Territory of Delhi, Union Territory of Chandigarh and the five states of Rajasthan, Haryana, Punjab, Himachal Pradesh and Jammu & Kashmir.

The section organizes, from time to time, activities for dissemination of knowledge in the broader fields of Engineering by conducting technical talks, seminars, conferences, symposiums, workshops, tutorials etc. Not only this, IEEE Delhi Section events also promote exchange of ideas and sharing of knowledge amongst professionals in the corresponding fields. As a society, it has always focused on giving the student members services that justify the membership fee by opening new avenues and providing exciting yet equal opportunities for one and all.

ABOUT IEEE DTU

IEEE DTU Student Branch (formerly IEEE DCE), under the aegis of IEEE (Institute of Electrical and Electronics Engineering), is the oldest student branch in Delhi Section with an illustrious history of over three decades.

Under the invaluable guidance of **Dr. J. Panda**, IEEE DTU has emerged as one of the most active and innovative student branches in India. IEEE DTU organizes a plethora of events around the year such as TECHWEEK, REPERTOIRE and the annual technical festival TROIKA to instil a scientific temperament in students and to cater to the needs of their inquisitive nature. IEEE DTU is also renowned for its publications- ECHO, a magazine for freshers, IOTA, the annual technical magazine, TRIGGER, the TROIKA souvenir, and The Troika Times. In the year 2012, one of the commendable feats of IEEE DTU Student Branch was the organizing of ISSET (International Symposium on Standards in Engineering & Technology), which provided a platform for student researchers, besides academic and professional experts, to share and exchange their ideas. IEEE DTU student members get a chance to be in touch with the latest technical information, research and career opportunities. Not only do they take part in several events, but also get a chance to organize them with their young and capable hands. “Toil to attain thy heights”. By following this mantra with heart in work and mind in place, and feet firmly on ground, IEEE DTU is poised for a quantum leap forward.

ABOUT DELHI SECTION STUDENT CONGRESS (DSC)

Delhi Section Student Congress is the cynosure of all the events organized by IEEE Delhi Section throughout the calendar year. Spanning over two days, it is the event where industrialists, academicians and students from various IEEE student branches meet together and share their thoughts on the latest innovations in fast-paced technical industry & come up with strategies to emerge out as professionals.

DSC is a great opportunity to reach out and engage students from every institution in the field of Engineering. The Congress was launched with two primary objectives. The first was to provide a platform where students can collaborate and learn from our industry partners, sponsors as well as seniors, and the second was to facilitate interaction and coordination among different student branches across the section, thus, enhancing networking. The event provides attendees with tangible, real-life examples and helps them improve their interpersonal and professional skills. Delhi Section Student Congress is a magnificent opportunity, an edifying experience and an invaluable platform for the delegates to ideate and collaborate. DSC is regarded as a congregation of inventors, experts, young ignited minds, visionaries and some of the greatest minds. DSC is thus a vivid platform to create, collaborate, cultivate and capture aspirations, ambitions and goals.

Prof. Rachana Garg, Chair, Student Activities Committee, IEEE Delhi Section **selected IEEE DTU's proposal** to host the IEEE Delhi Section Congress at DTU. She guided the team at IEEE DTU and the student volunteers of IEEE Delhi Section to pull off this edition of DSC.

DSC 2018

IEEE DTU in association with IEEE Delhi Section hosted the flagship event of Delhi section – DELHI SECTION STUDENT CONGRESS on **3rd and 4th November 2018**, at Delhi Technological University. This year, DSC attracted **283 Delegates** from more than **30 colleges**, spread over **6 states**, which is the highest count, since its inception. **65 Delegates** opted for the **local accommodation** as well in the hostels of DTU.

DTU hosted the event **second time this year, after 2015**, with the theme: "**Creating History, Shaping the Future**", aligning with the timeless contribution and influence of IEEE towards the society.

The guests for DSC 2018 were:

Chief Guest:

Prof. Subrata Mukhopadhyay

(Member, IEEE PES Long range planning committee and
Chair, Asia & Australia Electricity Infrastructure Working Group)

Guest of Honor:

Prof. Rachana Garg

(Chair, Student Activity Committee, IEEE Delhi Section
Associate Head, Electrical Dept, DTU)

&

Prof. Prerna Gaur

(Vice Chair, IEEE Delhi Section and
Head of Division ICE, NSUT)

This year brought an even more vibrant and stimulating environment, knowledgeable speakers and a great opportunity to network with professionals across different domains.



EVENTS

IEEE DTU organised many events in light of the theme and spirit of the Delhi Section Student Congress.

DAY 1

1) OPENING CEREMONY

The opening ceremony of the congress began with the National Anthem and the traditional lighting of the lamp by the invited guests.

The address by the guests followed which provided the delegates with more exposure about IEEE and volunteering.



2) VOLUNTEER TRAINING

The delegates were made aware about various volunteering opportunities in two different tracks.

- **Prof Rachana Garg** (Student Activities Chair, IEEE Delhi Section) enlightened the delegates regarding the various opportunities in IEEE Delhi Section and Student Activities that different student branches can undertake.



- **Dr. Shabana Urooj** (Joint Secretary, IEEE Delhi Section) took the second track where she focussed upon the educational activities in the Delhi Section and stressed upon the Women In Engineering affinity group of IEEE.



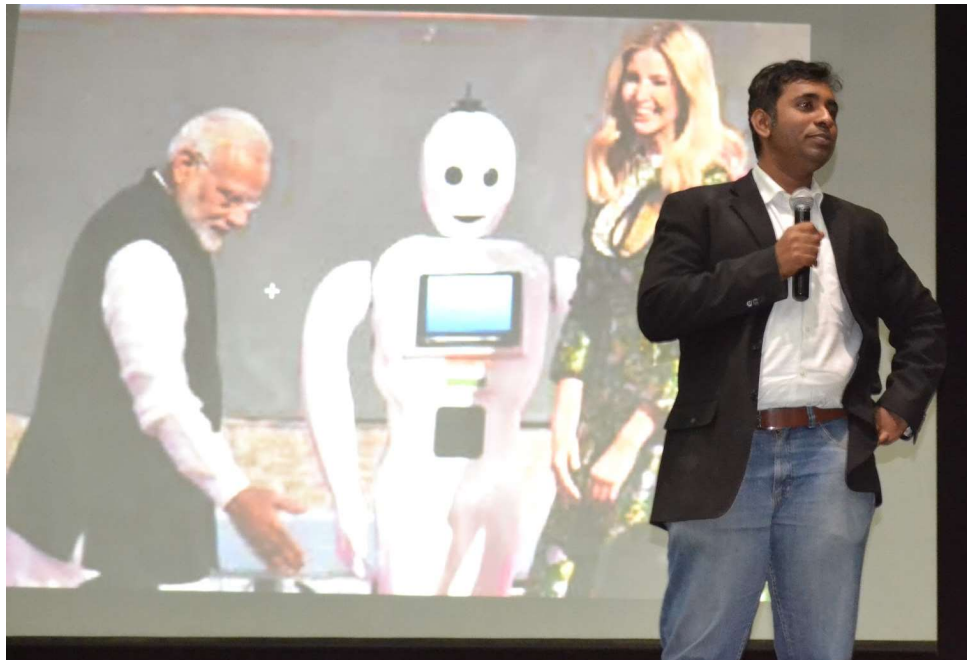
3) KEYNOTE SESSION

The keynote session was taken by an eminent personality whose name resonated with the current generation of students. The speaker was:

MR. BALAJI VISWANATHAN

Present **CEO of Invento Robotics** and a personage on Quora. Most of us might recognize him as the man with more than **half a million followers**, more than 4500 answers spanning over a wide range of topics. He is a ‘writer, wanderer, coder, marketer, product manager and a crazy driver’ – as quoted from his bio.

Balaji Viswanathan can be called as the jack of all trades, and he masters many of them. Adding on to his experience, he has worked as the Product Manager at Black Duck Software, co-founded three different companies, namely Be Limitless Inc., Zingflin.com and Agni-Innovation Labs, and is the founder of NalandaU, a virtual university packaging open courseware. In the field of engineering, he worked as Software Engineer at Microsoft and was presented with numerous IEEE honours.



4) SPEAKER SESSION

MR SAURABH UBOWEJA

He is the **CEO of Brands of Desire**. Yet another personality who's mastered the arts of both, technology and management. Mr. Saurabh completed his bachelor's degree in I.T. from M.A.N.I.T, and Masters in PGDM, marketing and finance from IIM, Calcutta. He started out his journey on his journey as an Investment Counsellor at CitiBank, and two years later, emerged as the founder of Brands of desire, which he still follows with a flame burning bright. On his journey, he was also a founder member of The Branding Institute, CrediHealth and World Communication Forum Association. He a passionate brand specialist and domain specialist on simplifying brand architectures.



5) NETWORKING SESSIONS

A major focus of DSC is to act as a platform for networking among different student branches for further collaborations and knowledge enhancement. The delegates were provided with plenty of time and space to discuss and interact and get to know each other better.

A Drone Show and Workshop was also organized to enhance the technical awareness of the delegates in the given area.

6) PANACHE

Panache is the annual General Quiz organized by IEEE DTU. Held in 2 stages of Prelims & Finals, Panache saw a participation of 40+ teams from different colleges of North India. Prelims round spanned over 2 days, with day 1 being Prelims round for Non-DSC students and day 2 for DSC students. After the riveting round of prelims, 6 teams were shortlisted for the finals. A team comprising of students from Ramjas College & MAIT bagged the coveted first position, with two DTU teams securing second and third place respectively. Participants were presented with a broad array of questions from multiple genres, making the competition as challenging as it can get.



7) EXPERIENCE SHARING SESSIONS

Two small sessions were taken by previous student volunteers of IEEE to share their experience and guide the delegates on how to make the most of their memberships.

- **Mr. Sirish Oruganti** (Analog Design Engineer, Texas Instrument), a DTU alumni focussed on the technical aspect and advantages of the IEEE membership.
- **Mr Gitansh Anand** (Vice Chair, Young Professionals, IEEE India Council) talked about the volunteering aspect of being an IEEE member.

8) CULTURAL NIGHT

At the end of Day 1, a cultural night was hosted where cultural societies of DTU like Pratibimb and Madhurima along with artistic and cultural talent from different attendee colleges showcased their talent.



DAY 2

1) SPAVe

SPAVe was the ice breaker event marking the start of Day 2 of DSC. SPAVe is an annual competition which consists of business knowledge, guesstimates and case studies. Planned as a two stage event - general business knowledge for the preliminaries and an in depth case study for the finals. It had over 60 teams participating. The organising team also put in their best effort to promote interaction between different teams as an active exercise throughout the event.



2) WIE PANEL DISCUSSION

A Panel Discussion session was organized in association with IEEE Women In Engineering affinity group for motivating women to rise up in the STEM fields and in the industry. The session was taken by:

Ms Diksha Deo

Founder, CEO & Head of Software Engineering of INCUBSENCE and serves on its Board of Directors. She is a renowned public speaker in Technology since past 3+ years and has inspired young leaders to think like an Engineer in 250+ Tech Talks. Diksha is shortlisted by World 1 Massachusetts Institute of Technology, USA for Innovation, and Entrepreneurship program.



3) SPEAKER SESSIONS

The speakers belonged to different walks of life in and shared their experience among the delegates and interacted with them. The following speakers took the session.

MR. SAURABH JAIN

He is currently serving as **Vice President** at **Paytm** and is leading Paytm's build for India initiative which is an endeavour to attract youth's attention to solve the problems of India. He is also leading twitter developer group and AWS developer group of New Delhi. He wrote the first j2me mobile phone programming book in India and holds two patents in the field of neural

symbolic network generation and personal persistent messaging system. Mr. Jain is determined to create a wave of entrepreneurship in India.



MR. VIKAS JAIN

He is a global speaker, author and **Founder of Adhyan Group**. He is among the top Motivational Speakers and Keynote/Business Speakers in India. He has delivered programs for various corporations including Fortune 500 companies like Yamaha, Intel, Uber on Leadership, Business Transformation, Innovation, Sales Motivation, Team Building, Entrepreneurship, Youth Motivation, Faculty Development in India and Abroad.

He is the author of “Secret behind Super-Achievers: Self-Education” and “Top 10 Mistakes While Making Career Choice”. He is the founder of Adhyan Group which is on a mission of “Building an Ecosystem where people can utilize their full potential through Advanced Learning Strategies adopted by World Leaders.



B K Shuresh Gupta and B K Vidhatri

B K Suresh Gupta and B K Vidhatri from BramhaKumaris World Spiritual University, which is a social uplifting institution with its wings spanning around the globe. They are the advocates of identity of soul, rather than body. The university teaches to transcend labels associated with the body, such as race, nationality, religion, and gender, and it aspires to establish a global culture based on what it calls "soul-consciousness".

B K Vidhatri enlightened the audience on the topic of “**Redesigning Self**” with many interactive exercises. Beginning by boosting everyone's attention with a responsive exercise. They also asked a major part of the audience to share what makes them unique, which certainly reflected their individuality and helped them break out of their shell. Filling the room with positive aura, they taught us that all souls are intrinsically good. Audience loved this event very much and the response was overwhelming.



4) STUDENT BRANCH AND PROJECT PRESENTATIONS

Two exhibitions were organized at DSC 2018:

- **Student Branch Presentation:** The different colleges present in the congress presented their IEEE student branches and their activities. Out of the **30 colleges, from over 6 states**, the best Student Branch Presentation Title was given to **Punjab Engineering College, Chandigarh**.

- **Project Presentation:** Around **30 teams** from **over 6 states of India** brought their projects that they have made in the past year to present in the project exhibition cum competition. The Judges, Dr J. Panda and Er. Suresh Gupta, evaluated each project and the Best Project Award was given to the project titled '**Link Latch System**' by Mr Balbeer, Mr.Ashish, Mr.Deepak Rana and Mr.Nilansh of **Manav Rachna University**.

5) CLOSING CEREMONY AND PRIZE DISTRIBUTION

The closing ceremony concluded the successful event of Delhi Section Student Congress 2018 with prize money and certificates distributed to the delegates present in the congress.

PANACHE :

1st Prize winners: Cash Prize worth Rs 5000.

Mr Kartikay, Maharaja Agrasen Institute of Technology (MAIT, IPU)

Mr Basab Ranjan, Ramjas College, DU

Mr. Aman, Ramjas College, DU

2nd Prize winners: Cash Prize worth Rs 3000.

Mr Pradyuman Asthana, Second Year, Computer Engineering, DTU

Mr Mandeep, Third year, Civil Engineering, DTU

3rd Prize winners: Cash Prize worth Rs 2000.

Mr Ankit, Final year, Civil Engineering, DTU

Mr Bramhdeep, Third Year, Computer Engineering, DTU

Mr Aditya Kulraj, Third Year, Computer Engineering, DTU