◎ IIIT Allahabad

📅 27-29 September
       2017

Imagine
Engineer
Enlighten
Empower

A✲SYWC
All India Student Young Professionals
Women in Engineering Congress
2017

IMAGINE ENGINEER ENLIGHTEN EMPOWER

All India Student – Young Professionals – Women in Engineering Congress is the annual hallmark event of the IEEE India Council. Founded in 2000, the AIS(YW)C has grown over the years to become the biggest event on the calendar for IEEE members in India. It is a conglomeration of inventors, professionals, entrepreneurs, visionaries and some of the greatest minds in the country. By bringing together amazing people from all walks of life, the AISYWC empowers its participants to be inspired, collaborate together and innovate for tomorrow.

Every year, AIS(YW)C is held at a different venue and give students and professionals a chance to catch the opportunity of re-evaluating their capability with new ideas.

In its successful history of 10 years, the congress has been organized successfully in many other sections including Gujarat, Bangalore, Madras and Kerala Section, most recently being hosted again by IEEE Delhi Section along with IEEE Rajasthan Subsection at LNM Information Institute of Technology in Jaipur, Rajasthan from 7th-9th October, 2016.

This year, AISYWC was hosted by IEEE UP Section at the Indian Institute of Information Technology Allahabad, Uttar Pradesh from 27th to 29th September, 2017.

Theme: Theme of this year AISYWC event was Imagine, Engineer, Enlighten, Empower which focussed on developing efficiently engineered scalable solutions for the welfare of the society.

Vision: Enlighten delegates to become engineers that are technically, socially and economically responsible for the greater good of the country.

Mission: Provide a common platform for delegates, participating from every corner of the country, to meet and learn from skilled personalities across broad domains of technology, social activism and entrepreneurship.

Objectives:

• *Networking* – through team competitions that comprise IEEE delegates from all sections of the country.
• *Professional Development* – By hosting different technical and non-technical workshops such

as Internet of Things and Neuro Linguistic Programming.

• *Technological Innovation* – Talks by leading professionals to expose the delegates to the latest technologies and innovations.

• *Furthering the society*- Ideas exchanges through presentations addressing major social challenges in the country such as how to get easy access to healthcare, Waste management and easy access to quality education.

The Organizers –

IEEE India Council
IEEE India Council is the umbrella organisation which coordinates IEEE activities in India. It is one of the 5 councils in the Asia-Pacific region and was established on 20th May 1976. It coordinates the activities of local sections, in order to benefit mutually, and to avoid the duplication of efforts and resources. An IEEE section caters to the needs of a specified geographical area and the IEEE India council consists of 11 sections and 9 subsections across the country.

The Hosting Section –

IEEE UP Section
An "IEEE Section" is an IEEE entity which caters to the needs of a specified geographical area. IEEE UP Section is the controlling body of all types of IEEE related activities in the state of Uttar Pradesh in India. The Uttar Pradesh Section is located in Region 10, and is represented at the India Council. The Section was formed on 11 May 1992. IEEE Uttar Pradesh (UP) Section is one of the most vibrant sections in India, which can be seen from the numerous events and activities, awards and growth of membership. It has been continuously increasing for last three years in terms of opening of new student branches, student branch chapters, section chapters. In 2016, Section took many initiatives such as various DL activities, invitation to the society Chapters Presidents, R10 Director, IEEE president, etc. IEEE UP Section technically sponsored 25 conferences/technical and 15 conferences/ technical events are financially supported. In 2016, UP Section organized 150 events including the meetings, lectures, etc at various placed of the section. IEEE UP Section was one of the supporting

sections of R10 SYWL Congress (50th celebration of R10) held at Bangalore during August 22-25, 2016. UP Section also hosted R10-HTC,which is first R10 event in the section, at DEI Agra with a great success where IEEE President and R10 Director inaugurated the conference. Mini-POCO was also organized during UPCON 2016 at IIT BHU and R10 Director was presented during the conference. Since section started celebrating the 25th year of establishment, the new award to honor the senior volunteers has been stated. Prof SC Srivastava, IIT Kanpur who was instrumental in forming the section, was given this first award during UPCON-2016 at IIT BHU. Varanasi. Section also felicitated to Er. K Ramakrishna, R-10 Director during the UPCON-2016

The Venue

Indian Institute of Information Technology, Allahabad (IIIT-Allahabad) is a public university located in Allahabad, in Uttar Pradesh state in northern India. It is one of the five IIITs completely funded by the Ministry of Human Resource Development.

The institution was founded in 1999, and in the following year received university status and the right to award its own degrees. In 2014 the IIIT Act was passed, under which IIITA and four other Institutes of Information Technology funded by the Ministry of Human Resource Development were classed as Institutes of National Importance.

IIIT Allahabad is well known for its unique teaching methodologies, curriculum, coding environment and outstanding alumni record. Among engineering colleges in India, IIIT-Allahabad ranked 11th by India Today in 2017 and 12 by Outlook India in 2017.

Allahabad - The Host City

Allahabad, also known as Prayag is a city in the Indian state of Uttar Pradesh . The city is the judicial capital of Uttar Pradesh with Allahabad High Court being the highest judicial body in the state. In 2011 it was ranked the world's 130th fastest-growing city. The city's original name – Prayag, or "place of offerings" – comes from its position at the Sangam (confluence) of the Ganga, Yamuna and mythical Sarasvati rivers. It is the second-oldest city in India, and plays a central role in Hindu scriptures.

Allahabad is noted for historic, cultural and religious tourism. Historic sites include Alfred Park, the Victoria and Thornhill Mayne Memorials, Minto Park, Allahabad Fort, the Ashoka Pillar and Khusro Bagh, The Anand Bhavan, built during the 1930s as a new home for the Nehru family . Religious attractions include the Kumbh Mela, the Triveni Sangam (sacred in Shaktism) Nag Vasuki Temple, Shankh Madhav Temple, and All Saints Cathedral to name a few.

The city hosts the Maha Kumbh Mela, the largest religious gathering in the world, every twelve years and the Ardh (half) Kumbh Mela every six year. Cultural attractions include the Allahabad Museum, the Jawahar Planetarium and the University of Allahabad. The city has also hosted International Film Festival of Prayag.

Artists like Harivanshrai Bachchan and Amitabh Bachchan have their origin here.

PEOPLE

CHIEF PATRON
Shri. Ravi Kant, BoG Chair IIIT Allahabad (Ex-Vice Chairman TATA Motors)

PATRON
Prof. P. Nagabhushan, Director, IIIT Allahabad
Prof. Rajeev Tripathi, Director, MNNIT Allahabad

GENERAL CHAIR(S)
Prof. Shivaji Chakrabarti, Director, NIT Calicut, Chair IEEE India Council
Prof. S.N.Singh, IIT Kanpur, Chair Elect IEEE India Council
Prof. J.Ramkumar, IIT Kanpur, Chair IEEE UP Section

CHAIR(S)
Prof. U.S.Tiwary, IIIT Allahabad, Chair IEEE SP Society Chapter UP
Prof. Shekhar Verma, IIIT Allahabad, Chair IEEE Comp. Society Chapter UP

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Prof. Debabrata Das, IIIT Bangalore, IEEE Bangalore Section
Dr. Anthony Lobo, TCS, IEEE Bombay Section

Dr. K Subramanian, ex-NIC, IEEE Delhi Section

Shri Lakshminarayana Merugu, Retd. DRDL, IEEE Hyderabad Section

Dr. K.R. Suresh Nair, CTO, NeST Group, IEEE Kerala Section

Dr. Alokkanti Deb, IIT Kharagpur, IEEE Kharagpur Section

Dr. Sujit K Biswas, Jadavpur University, IEEE Kolkata Section

Dr. M.A. Atmanand, Ex-Director NIOT, IEEE Madras Section

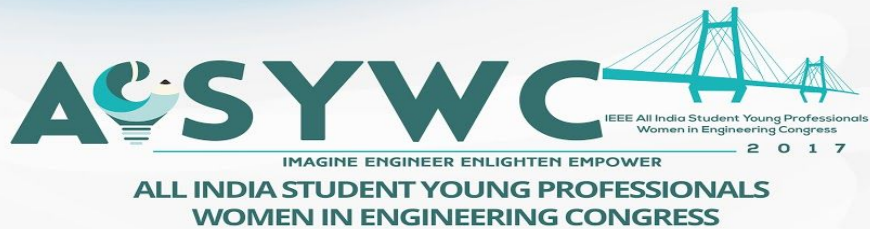Prof. G.S. Mani, Director & Dean, IAT Pune, IEEE Pune Section

EVENT COORDINATORS (FACULTY COORDINATORS)

Dr. Satish Kumar Singh, Faculty Coordinator, IEEE Student Branch IIIT Allahabad, Treasurer, IEEE UP Section

Dr. Rajat Kumar Singh, Faculty Counselor, IEEE Student Branch IIIT Allahabad

Dr. Asheesh Kumar Singh (MNNIT Allahabad)

EVENT COORDINATORS (STUDENT COORDINATORS)

Mr.Venkat Beri, Overall Coordinator, AISYWC'17

Ms. Sushmita Gayen, Overall Coordinator, AISYWC'17

OUR SPONSORS

AISYWC 2017 Proceedings

Day 1

The success of a versatile congress is judged by the intellectual gathering and delivery of knowledge. AISYWC' 17, witnessed overwhelming online as well as offline participation of delegates. The online registration was conducted in 2 phases and over 370 people registered from different IEEE sections of India. Offline on the spot registrations and distribution of deliverables to the online and offline registered participants at 10:00 A.M. IST and continued till 5:00 PM IST. The participants were provided i-cards and complete registration kits.

The inaugural ceremony of annual hallmark event of IEEE India Council "All India Student Young Professionals Women in Engineering Congress" (AISYWC) commenced with lightening of lamp and bouquet presentation as a signature of welcome to all the dignitaries on the dais.

1. Prof Nagabhushan, Director, Indian Institute of Information Technology Allahabad

2. Prof Shekhar Verma, Program Chair

3. Dr. J Ramkumar, Chairman, IEEE UP Section

4. Prof H.P. Khincha, IISc Banglore

5. Dr. Rajat Kumar Singh, Faculty Counselor, IEEE-SB-IIITA

6. Prof S N Singh, Chair-Elect, IEEE India Council

7. Mr. Gitansh Anand, VC Young Professional Chair Student Coordination Team

A welcome note delivered by Prof Shekhar Verma to all the delegates including participants, speakers, and invited guests. Progression followed by briefing about the formal and informal events going to take place in the coming next few hours and two days including tech talks, workshops, quizzes, competitions, cultural night and gala dinner.

Prof P. Nagabhushan spotlighted the responsibility of an engineer by comparing them with the lead person of an orchestra. He concluded his words by describing the importance of women as they are born engineers and have proper knowledge of managing family. Dr. Satish K. Singh concluded the ceremony with his vote of thanks to all the dignitaries and delegates present in the hall.

After inauguration, the event is progressed with the first keynote talk by Prof. H.P.Khincha, an eminent professor from IISC Bangalore, on evolution and future of technology and engineering. He mentions printing press and advancement of education system as primary factors in inspiring people to create new innovative things. At the end of this informative session, Prof. P. Nagabhushan felicitated prof. Khincha with a token of appreciation.

In the series of talks by prominent speakers, next lecture delivered by Dr. Sharmila Mande, a Chief Scientist and Head of the Bio-Sciences R&D Division at Innovation Labs of TCS Ltd., on "Making IT matter in Human Health" demonstrating ways of identifying DNA structures of various microbial communities using Microbiome Research, focused on measuring the structure & dynamics and Genome Assembly, process of constructing genome sequence from existing subsequences. The presentation ended with the results of their research on a malnutritioned children and an explanation on how their algorithms can be used to yield a solution for malnutrition and diseases like cancer. The talk ended with an interactive session and with Mrs. Nagabhushan presenting a vote of thanks and token of appreciation to Dr. Sharmila.

After the series of technical talks, a team event named QUIZZERO 2.0 (tech trivia quiz) is organized with the falling day. It was a pen-paper round with 20 MCQs and 10 single word answer type questions along with negative marking in MCQs. The delegates participated in a team of two. Based on the marks scored in first round, teams will be selected for the next round which is supposed to be held on September 29, 2017.

After the quizzero, in Sponsor's slot, our sponsors, Cambridge University Press, IEEE R10, IEEE India council, IEEE women in engineering, were invited to share information about them. This slot has also included a video presentation of a non profit organization "Happiness Captured". This non-profit organization was started by few research scholars in IIIT-A on October 2013. Now it has spread across country including metro cities with 1500+ volunteers. It was also told that the team of "Happiness Captured" is organizing parallel drives in all these cities on international world food day will be celebrated on 16 Oct 2017. They motivated us all to share meal with at least one needy person in the vicinity or become part of the major or minor group activity.

This is how, the first day of the grand AISYWC' 17 is finished with a glimpse of few events harbinger to many upcoming exciting and innovative events in next two days. With this all guests and participants are invited to have dinner at the dining hall.

The second day of AISYWC' 17 also starts with the same excitement and enthusiasm. A series of talks, discussions and many innovative events happened throughout the day.

In the series of talks by renowned speakers, first talk of the day delivered by Dr. Amit Kumar, a passionate Forensic Scientist, Entrepreneur and an IEEE Volunteer, on "DNA Hacking: the biggest threat since Cyber Attacks". Dr. Amit explained thoroughly the distinguish properties of DNA
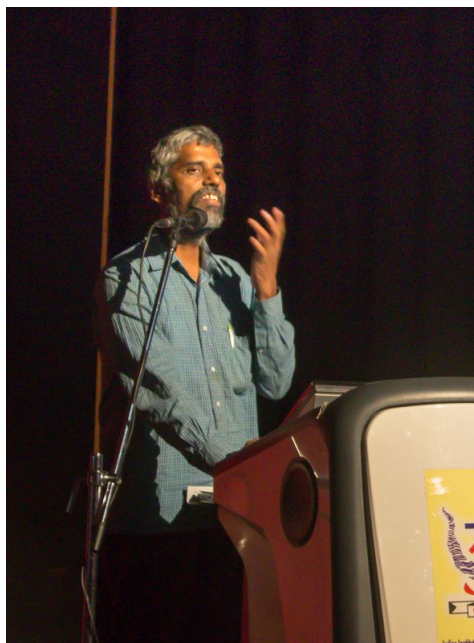
printing of a person and how they are useful in building biological identification systems. His talk presents the idea that DNA is nothing but the software inside us which can be hacked and so it's prone to threats like Biological Scams, Identity Theft, Spoofing, Piracy and Bad Bio. DNA testing can also be used to match records and get the identity of victims and other persons involved in a murder cases. The talk had an interactive session and ended with Mr. P. Nagabhushan giving his vote of thanks and presenting Dr. Amit with a memento as a token of respect.

Further, the next talk given by Prof. Jharna Majumdar, Dean R & D, Prof. Comp Sc. & Engg. at Nitte Meenakshi Institute of Technology, on "Women Education and Empowerment and Balancing the Equation of Life". She started her talk by shading light on a woman's life and what her priorities and aspirations are and how education can act as a catalyst in improving a woman's position in society and help them become independent. Later she talked about their researches in robotics and satellite technology especially putting light on their project Humanoid obot and had an interactive session with students. Dr. Shekhar Verma presented a memento to Prof. Jharna as a token of gratitude at the end.

A prodigy, a luminary and an outstanding persona in the field of engineering and management, Mr. Anuj Jain is the founder of Blood Network in India and he joined us for the next talk for sharing his journey with "Zero to One- Blood Network". From creating motivation using examples of sudden situations of blood requirement, people's mindset for this and his interaction with well-known menstrual man of India, Arunachalam Muruganantham, he moved on to his panacea to this problem, i.e. Blood network which is an initiative to create a network of people for the easy providal of blood to needy people. Their vision is to develop complete Global ecosystem around blood donation using power of social network. The talk ended with Mr. S. Venkatesan presenting a memento to Mr. Anuj Jain.

After the three consecutive talks, the next event was a introductory talk cum workshop on IoT in smart cities via IBM WATSON IoT Platform by Dr. Jayakumar Singaram. Dr. Jayakumar Singaram, presently part of 3 companies in the technology startup space: GeniusPlus Technology Pvt Ltd, Rinanu Semiconductor LLP, and GeoSpace Instruments LLP, joined us for a very eloquent talk on "Internet of Things (IoT)" which was followed by a workshop on the same. He explained designing of various products and their implementation and how internet is making things easier in daily lives using various daily life problems like defects in a car and their repairing. He added that IoT also helps the manufacturer to quickly analyse and filter the parts required for service when a number of vehicles undergo the same defects by checking the statistics. He ended the talk with few more examples and switched to the workshop in which he taught everyone to use IBM Bluemix which is a cloud platform as a service (PaaS) developed by IBM which supports several programming languages and services and manage applications on the cloud. At the end of the session Dr. Vijay Chaurasia presented Dr. Jayakumar with a memento as a token of appreciation.

With the end of workshop session, the event journey reached to lunch break and participants called off upto 3:00 PM.

Post lunch, the program for day 2 continued with division of delegates into Women in Engineering Track, and Students Track was merged with the Young Professionals track. These tracks were planned to unravel various opportunities that IEEE offers and how technical societies of IEEE can help in honing the skills of its members. Along with this objective, various speakers catering to the understanding of the audience of the particular track imparted their knowledge in both technical and societal domains to help them grow as an individual, professionally as well as psychologically.

WIE Track:

WIE sessions begin with a motivational talk and workshop by Ms. Ridhima Dua who is a motivational speaker and trainer in the area of communication skills and confidence building. Her session, as lively as it was, began with a simple exercise where the audience introduced itself and realized that the context of greeting is what makes the first impression. She also introduced many real life examples where body language was the key factor in deciding the end

result of the conversation. A one hour workshop session was conducted by her signifying the term Neuro Linguistic Programming through the power of senses in order to have a positive lookout for life. Ms. Dua's unique method of interacting with her audience through very random questions and interesting activities gained her their full focus throughout the session.

She was one of the most influential speakers of the day and was greatly appreciated for her words. She was felicitated with a token of appreciation by Prof. Shekhar Verma on the conclusion of session.

Student Track:

Under SAC track, two consecutive talk were given by Dr. Sekhar Raghavan (Director, Rain Centre,Chennai) and Prof G. C. Nandi on Rainwater Harvesting and RAS - Robotics and Automation Society respectively.

A legendary personality who devoted his life in motivating people about "**Rainwater Harvesting"**, Dr. Shekhar Raghavan was born and brought up in Chennai and studied Physics and obtained Ph.D. He joined us for a talk and started with a video presentation on rainwater harvesting which emphasised on the concept **"Solve your water problem yourself"**.

He called it his selfish motive and added that motivation for his initiative was that increase in high rise buildings with excess paving resulted in water table depletion and danger of saline ingress. He told about his struggles how he had to do door -to-door campaign in starting ,after which he got support of local newspaper, schools .The help of former Chief Minister of chennai Late J.Jayalalita in 2001 ,took the drive to another level .She formed a committee and made rainwater harvesting compulsory for all and inaugurated "the Rain Centre", in August 2002 .In this way,the challenge to educate the educated was taken forward. The talk ended with Dr.Kumar Vaibhav Srivashtav ,Asst. Prof. IIT Kanpur, presenting memento to the legend

Prof. G.C. Nandi, a great academic visionary and the founder chairperson of UP IEEE Robotics and Automation Society Chapter (2014-2015).He completed Ph.D. from Carnegie Mellon University .He discussed about humanoid robot and RAS (Robotics and Automation Society) in his talk. He emphasised on IEEE benefits and called it a professional forum for creating professional leaders who transform the society with their vision.He started with the introduction of PUMA,programmable universal machine for assembly which was first industrial robot which replaced human hand. Furthermore,He presented his works in the field of creating humanoid robot through various videos.His projects include single wheel robot (gyrover) which

could negotiate and eliminate an obstacle ,Autonomous robot "SMART", "Nao dance" -humanoid robot which was voice sensitive .The innovative session on RAS ended with Prof. Channappa B , presenting memento to the prodigy conducting this talk.

Young Professionals track:

The third, YP track was focused on the theme Innovation in Entrepreneurship, thoroughly explained and presented by the two speakers: Mr.Abhishek Appaji (Young Professionals Coordinator, IEEE Bangalore Section) and Mr. Gitansh Anand (Young Professionals Vice Chair, IEEE India Council).

Entrepreneurship is much broader than just the creation of a new business venture.To make the young minds of IEEE society aware of the same Mr. Abhishek Appaji conducted a talk in AISYWC' 17.He has worked under Hacking elderly care 2016 in Netherlands,and also was in advisory board member .His projects include Smart eye "KIOSK" for community screening (SEK-C),the machine was installed in Singapore Airport ,development of low cost ,safe ,high resolution and easy to use digital X-ray Machine and many more .He briefed about What is

Entrepreneurship?, top 10 startup mistakes,types of entrepreneurship i.e. SME(small Medium Enterprise) and IDE (Innovative driven Entrepreneurship) .

He explained these business terms by relating with a question ,"Why orkut was kicked out of market by facebook?". His interactive session ended with Dr.Pragya Singh presenting him memento.

After the entire days series of various talks and workshop which make all the participants to get to know about many useful and practical areas of research and entrepreneurship, the people

relaxed to gather again for the various cultural events scheduled after 6:30 PM at the same venue.

AISYWC' 17 was not just limited to workshops and seminar but also spread it wings to celebrate three of the most soul-enriching virtues of mankind i.e. drama, dance and singing. So, the IEEE family gathered on 28 th September evening to participate in CULTURAL NIGHT: "Celebrating Diversity". The much awaited auspicious event began with a heart touching Drama by Booniyaad Foundation group. The name of the drama was "Yayaati" written by Girish Kainaad and directed by Asgar Ali under guidance of Dr. Vidhu Kharedar. Yayaati was a mythological play based on relationships seeking eternity. The fun-filled evening was also graced by several enthusiastic competitive singing and dance performances presented by each section where the judgement criteria were based on dress, coordination, rhythm, recreational quotient and innovation. Also a section wise video presentation competition event was organised where all the IEEE sections across the India proudly displayed their culture, festival, food, wildlife, tourism and heritage site. It felt the spirit of whole India was mesmerised within the auditorium echoed with cheers and applause all around. Overall Cultural Night was an evening worth remembering.

Day 3:

It is rightfully said that "In each of us is an adventurer". This was humongously evident when, everyone, be it the delegates from all parts of the country or the distinguished speakers, gathered together to explore the city of Allahabad. The third and final day of the grand conference began with an early morning visit to Triveni Sangam- the holy confluence of Ganga,Yamuna and Saraswati. Everyone enjoyed boating and the scenic beauty of this sacred place of Hindus.The party stopped at the New Yamuna Bridge before returning back to IIIT Allahabad at around 9 a.m for the final set of events.

Various sessions were held in the three tracks including the student competitions like, Quizzero final round, poster presentations between sections in technical, cultural and WIE category, presentation competition named 'Dream Big, Think Small'
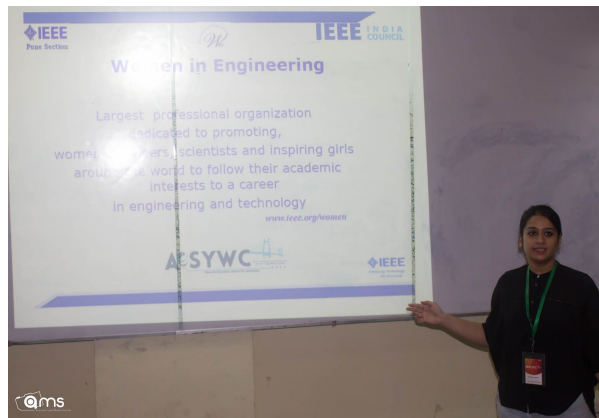
WIE Track:

At around 10:30 pm, the first set of talks commenced with Mrs. Garima Vishal's session under the WIE Track. Mrs. Garima Vishal is the director of Dejawoo School of Innovation which is a educational institute for underprivileged. Her story is one of inspiration which reflects her willingness to make the society a little better through her efforts.

She initiated **education for all** in Bhubaneshwar where she moved by the misery of street kids ,she started teaching them and realized that her passion directs her thoughts towards the education. Ultimately, with a team of like-minded people, she started Dejawoo School of Innovation in Muzaffarpur,Bihar, which turned out to be great success.

Her session, held in first in the morning among all others, was a perfect way to start a hectic and the final day of **AISYWC'17**. She speaks about how "**change starts with thinking**". She uses herself as a walking-talking and best reference to her topic and explains the importance of realizing your true passion at the right moment of time in life. **Don't let others define you** is what Mrs. Vishal believes in. She talks about the importance of teamwork and right team.members. She lays emphasis on fear being the only barrier. With these wise words she concludes, with the notion that if passion is what you have, opportunities is what will knock at your door, you only have to open the right door just at the right moment. Her inspiring words really raised the spirit of all and energized them for the rest of their life. For her time and presence, she was presented a token of appreciation by Ms. Suvidha Tripathi , WIE Affinity Group Chair, IIITA.

This was followed by a Women In Engineering introductory session. Dr. Rajashree Jain, originally supposed to conduct the session, could not be present due to unavoidable

circumstances. On her behalf Ms. Suvidha Tripathi talked about WIE mission and structure. She explained the benefits of being a WIE member and the awards and recognitions they receive for their efforts.

The WIE Panel discussion was set for discussing issues of education and environment. The Panel included, Mrs. Garima Vishal, director of Dejavoo School of Innovation, Muzaffarpur,Bihar, Ms. Yugratna Srivastava, a young environmentalist and student.

Mr. Sudhakar lead the discussion with an introduction of the panel members. The panel discussed the efforts needed to right the wrong in society, the motivation for a small initiative. Mrs. Garima and Ms. Yugratna shared their own experiences and facts relating to various social issues including degrading environment and illiteracy. They stated that proper government policies are needed to eradicate the issues completely, together with individual efforts. Parallely a poster presentation competition under WIE category was also organized. The entries were judged by Dr. Pragya Singh and Prof. S Venkateshan of IIIT Allahabad. The posters depicted the need for women to be a part of technical societies and their achievements in the field. Bangalore Engineering College from Bangalore Section emerged winner for depicting their ideas clearly and for their excellent presentation skills.

Students Track:

Dr.Rahul Kala, an Assistant Professor in the Indian Institute of Information Technology, Allahabad,India in the Robotics and Artificial Intelligence Laboratory, conducted a workshop under IEEE Young Professional session , to make delegates aware of Robotics,which is

currently one of the most active laboratories at the darker times of the day, and at the brighter days just before the examinations, both for different reasons. He discussed the basic problem of robotics, which is **Go To Goal.** He added that the backbone of Robotics are : **Know your map and Know your localisation** .He also demonstrated robots of his laboratory ,which were hurdle sensitive, goal specific and had many more specifications .He further informed about different plannings like Reactive Planning, PRM (Deliberative Planning),Mission Planning etc.The enlightening session was followed by a question session in which delegates participated actively. Mr. Gitansh Anand presented memento to the prodigy and the inspiring session ended

Mr. Gitansh Anand ,Young Professionals Vice Chair IEEE India Council and IEEE MGA Board Member shared his resourceful words with the delegates on How IEEE Student Branch should be run?.He told that Student branch is a unique platform where you get to know about IEEE. He discussed topics like Why Student Branch is required ?, why should one become IEEE volunteer? , student branch structure ,and how an IEEE organisation looks like i.e. which are the sections in IEEE and What a Student branch chair is supposed to do? He informed about L-31 report, which ascertains that any SB is conducting an IEEE event .Moreover, He introduced to various funds like SPAx,SIGHT Projects,WIE funding,STEP etc. , which one can avail as an IEEE member .Minimum funding that IEEE gives is 10,000 US Dollars.The awards include Larry K Wilson

Award,Student Enterprise,Section Award etc for student branches.In a nutshell, the informative session included all aspects related to IEEE Student Branch i.e., Projects , competitions ,funds ,awards etc.

Self Assessment Session followed the volunteer training session by Mr. Gitansh. Mr. H .R. Mohan conducted the session. Self assessment is the key first step in navigating your career. It's your ability to reflect and articulate your values, interests, abilities and personality preferences. For the upcoming young professionals, it is a necessity to practise frequent self assessments. Mr. H. R . Monhan focused on the same and provided 10 questions to delegates ,each question having 4 choice and later told about marks of each choice.Then, he explained about categorisation of personality based on total marks. Whether you are be a reactor , initiator or director was decided as per your marks. Further, he explained how we can use this assessment to improve our personality.The interactive session ended with Mr. Abhishek Appaji presenting him the memento.

Student track was taken further by IEEEXtreme Volunteers who gave a small 10 min. introductory session on IEEEXTREME. Then the delegates were asked questions from C++ programming language. There were 5 questions in total and the delegates from different section answered and received goodies i.e. t-shirt printed with IEEEXTREME logo and design.

The crucial topic "Innovative Education" was discussed by Prof. U.S.Tiwari, Indian Institute of Information Technology ,IIIT Allahabad. He began by defining Innovation as the process of

translating an idea or invention into a good or service that creates value. He mentioned the objectives of higher education,and linked education to innovation. He also mentioned the barriers of innovation and called education as the bridge which can help to overcome those barriers. The session ended with Prof. P. Nagabhushan,Director at IIIT Allahabad presenting him memento.

Young Professionals track:

An ethical framework can bridge the worlds of startup technology and international development to strengthen cross-sector innovation in the social sector. To make this clearer to young generation Dr. Madhvendra Mishra, faculty member at the Department of Management Studies at IIIT Allahabad since 2004, conducted a talk on **"Ethics in Innovation"**, and elaborated that

not only purpose but also the means should be right and added that those who practise patience are benefited. To give practical example he provided thermocol glasses, tin wire, cellotape and balloons to everyone present there, using which a delegate made suction based cup holder and others also innovated new things.He further shared his valuable words on the crucial topics like How do you operate? How do you win? and who finally wins? He ended the session, explaining essence of team i.e. T-taking , E-everyone, A-along , M -mission. Mr. Gitansh Anand presented him the memento as a token of thanks for the reviving session.

Nivas Ravichandran, IEEE Region 10 Young Professional's coordinator, is associated with Freshworks (Refreshing Business Software Company funded by Google) as the Product

Marketer for the CRM Software Freshsales. He shared his quick tips with the delegates who are aspiring to be an important part of IEEE Young Professional .He began with the question, "What is IEEE to you?". He shared his experiences and journey with IEEE and inspired delegates to be passionate about volunteering and giving back to the community.He added that we should build a skill to be different and most importantly build a network which is the most powerful asset in life. The interactive session ended with Dr. Rahul Kala presenting memento to Nivas Ravichandran.

Poster Presentation

Among the various competitive events organized on the final day of AISYWC'17, poster presentation was one. The posters being divided in 3 categories- Technical, Cultural and Women in engineering, participants took part in large numbers showcasing their creative skills.The posters were judged by IIITA professors- Dr. Pragya Singh and Dr. Venkatesan S on the basis of group's presentation skills, creativity, innovation and relevance. The winners were:

- WIE category - BEC from Bangalore Section
- Technical category - Pune Section
- Cultural category - Hyderabad Section

Dream Big Think Small

Dream Big Think Small was a powerpoint-presentation event organised by Ms. Suvidha Tripathi and Mr. Sudhakar Mishra with a theme "Imagine Engineer Enlighten Empower". Participation was in teams of 2-5 where they had to prepare presentations on topics that they could imagine to engineer, to enlighten all and empower it with labour. The event was judged by Dr. Rahul Kala, Prof. Akki Chinappa and Mrs. Garima Vishal.

Six teams presented their topics, with UP Section talking about Smart Hospitals and Bangalore Section talking about providing Instant access to health care through creation of database that kept track of all available medical help of any area. **Bangalore Section** emerged winner with their innovative ideas on waste management.

The hour had arrived when it was time to wrap up and bid adieu our closest of the delegates. The closing ceremony marked its very beginning with a well known phrase " All well that ends well." Following this notion, our guests were welcomed on the dais which included - Prof. P. Nagabhushan, Director, IIIT Allahabad, Prof. Shekhar Verma, Prof. U. S Tiwary, Dr. Shekhar Majumdar and Mr. Nivas Ravichandran. Prof. Shekhar Verma was called up on the podium to give in his views regarding the three days event. He summed up all the events in a praiseworthy way and how it had impacted the viewpoints of the attendees.

Prof. U.S Tiwary was also called upon as a representative of IEEE UP Section where he briefed about the technological gains which mankind has got to acknowledge over the past years with an example of the webinar platform of conducting workshops. The program moved forward with

the prize distribution ceremony where Bangalore Section was adjudged as the most vibrant section amongst all the sections. The audience had anticipated well and now it was the time for the valedictory speech. Honourable Director was called upon and he addressed the gathering in a sensational way by pointing out the loopholes of the mentality of engineers these days. He rightly said that the most vital part that makes you an engineer is the process of problem solving. He also quoted that programming languages are an upper hand for engineers but not an essential part as far as engineering is concerned. Maxing in exams for engineers are not a big deal if one is totally dependent on it, it's the knowledge you gain by

studying for it, is what makes you a true engineer. He further concluded by adding pride in the remarkable performance of the delegates in different competitions and events and praised them for their outstanding support and cooperation throughout the congress. Later on, it was the vote of thanks which made its way. The closing ceremony concluded with thankful phrases for every individual who contributed directly or indirectly towards making of this congress, a grandeur one.

The mega flagship event AISYWC'17 under IEEE India Council wrapped up in a festive fervour. After the closing ceremony and dinner, DJ night was especially organised at the pavilion. The musical saga of fun and frolic began at 9:30 p.m where participants from all across the country gathered together to dance to the groove. Popular songs pertaining to each dialect and various sections of India were played which imbibed the true essence of unity in diversity within it. It was a stunning scenario to collectively dance off with the energy and enthusiasm built after being an active participant of one of the best technical events of all times. The happiness filled atmosphere all around gave us a deep sense of satisfaction and gratitude that made this event a grand success.

AISYWC'17

THANK YOU !