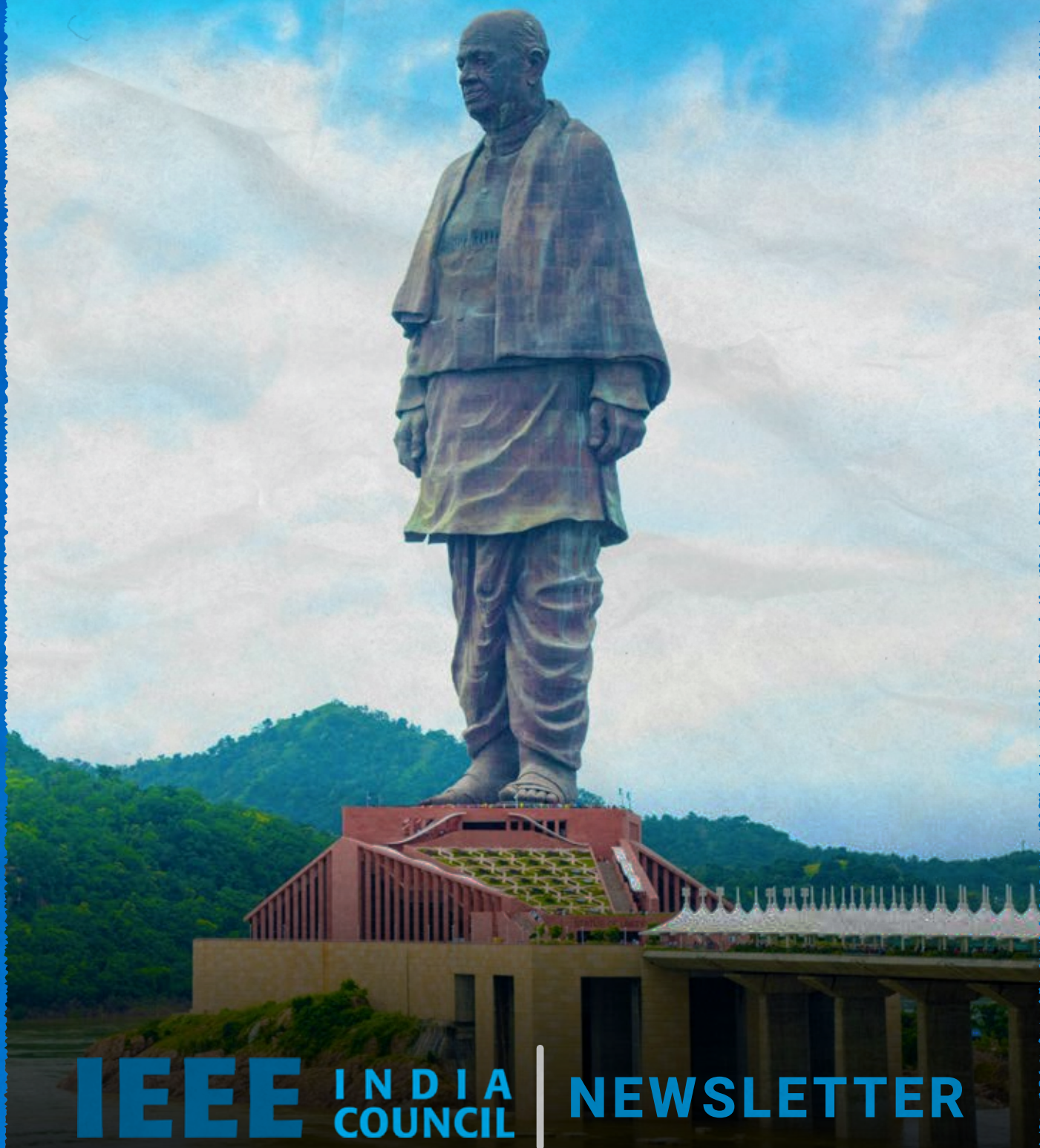


VOL.15 NO.3

2020

ICNL

JULY TO SEPTEMBER



IEEE

**INDIA
COUNCIL**

NEWSLETTER

Message from Chairman



Prof. Sri Niwas Singh

IEEE IC Chairman 2020

Dear Esteemed IEEE Indian Members,

As COVID-19 pandemic is on peak, IEEE India Council (IC) wishes for you and your family to be safe. This newsletter brings the activities of India Council, Sections/Subsections, Chapters, Affinity Groups, etc. during July to September 2020 and a few interesting articles on diverse fields of interest to our members along with regular informative columns.

During this IIIrd quarter of 2020, IC ExCom meeting was held twice, on 16th August 2020 and 20th September 2020 in virtual mode using WebEx platform. Due to COVID-19 pandemic, all IC events till December will be hosted virtually. IC has organized several webinars and events

during this pandemic situation for the benefit of the IEEE members to keep them engaged and motivated. In this given situation, IC was able to bring a galaxy of speakers including Dr. K Radhakrishna, Former Chairman, ISRO and Dr. Sudhakar Rao, IEEE Fellow & Technical Fellow Northrop Grumman. IC was also associated with many sections and organizations events during this time viz. Ada Lovelace day Celebrations, IEEE 5G World Forum, Online Global Resilience Summit, Youth Carrier Connect, and PES Global Workshop.

The newly started IC flagship conference INDISCON (India Council Sub-section Conference) organised by Vizag Section is postponed from July 25-26, 2020 to October 3-4, 2020 & will be held virtually. INDICON-2020, will also be held in virtual mode organised by NSUT, New Delhi in collaboration with IEEE Delhi Section during December 11-13, 2020. I hereby appeal to all the members to make this INDICON another success story, as in the previous years. Due to COVID-19 Pandemic, All India Student, Women in Engineering and Young Professional Congress (AISWYC) going to be held in Chitkara University, Chandigarh is shifted to end of 2020 or beginning of 2021.

IC has always been playing a pivoting role in the organising events for the benefit of members. To increase awareness among SAC/MDC/WiE/YP volunteers of various sections have actively been involved in the multiple awareness programs that were organised with the delegates invited from Region 10 & IEEE Global offices. These events provided necessary information to execute their volunteering services effectively. IC will organize a POCO approved by IEEE R10, in November 2020 & Call for Nominations for IC awards is already announced, I hereby request all the suitable volunteers to take this opportunity to apply. Shri Pralhad P Chhabria Award for Women, funded by Hope Foundation, will continue for the upcoming year with increased numbers awards including the SAARC countries.

I thank the efforts taken by Mr. Vamsi Krishna J, VC-ECIM & Editor-ICNL and his team. I would also like to put on record and thank the Section leaders who have extended their cooperation in providing the inputs to the newsletter. I am sure that with the help of active IEEE volunteers in India, we will be able to make one of the best councils of IEEE.

Prof. Sri Niwas Singh, FIEEE, FIET, FNAE, FIETE, FIE(I)

IEEE India Council Chair 2020 &

Professor, Indian Institute of Technology Kanpur

(Former Vice-Chancellor, Madan Mohan Malaviya University of Technology Gorakhpur)

snsingh@iitk.ac.in

Message from ECIM Team



Vamsi Krishna Jadala

VC - ECIM & Editor - ICNL



Rutwik Jain

Team Lead - ECIM

Dear Readers,

"If attentiveness should be measured in minutes and discipline measured in hours, then indomitability must be measured in years" - Amor Towles

The above words ring so true for the indomitable spirit of IEEE and its vibrant worldwide community, a community that started several hundred years ago in 1884 and is growing at an astounding rate even today. In celebration of this potential, we celebrate IEEE Day 2020 on 6th October and we feel both proud and honoured to present to you the Vol.15 No.3 edition of ICNL for Q3 on this date, with an exclusive feature for IEEE Day written by the Lead for IEEE Day communications.

In alignment with the positive feedback and constructive criticism received over the previous editions, the ECIM team continues to carry out this trailblazing work of bringing you carefully curated content from across the sections of IEEE India Council. We love coming together every so-often to give shape and form to what you, the reader, are about to delve into, and hope that you find the experience engaging as well as informative. This edition of the newsletter features the latest happenings in the Indian IEEE community, including activities and events that were conducted over the period from July to September. A newsletter is a powerful medium to create awareness about upcoming programs and conferences too, and keeping that in mind we enclose a warm invitation to the reader for the upcoming IEEE Women in Engineering International Leadership Summit (WIE ILS) 2020 to be held, in a completely virtual setup, in November. Make sure to take a look at the major announcement of India Council Awards. Also look out for a special report on projects from India that won the R10 COVID19 Project funding call. The newsletter also contains guest-written articles which we have compiled as-is with due respect to contributors. If you have any reviews, comments or suggestions on how we can improve our content or presentation, please write to us at ic-ecim@ieee.org and let us know!

As a country still grappling with a pandemic, we have shown a never-give-up attitude, a spirit of getting up every time we fall and IEEE has been exemplary with how fast it adapted to the "new normal", how in the face of unprecedented crisis we adopted a wide variety of tools and created a virtual world of activities like webinars, talks, lectures, conferences, projects etc. As an IEEE volunteer for quite some time now, all of us have learnt so much and the experiences have shaped us in a way that is difficult to put into a few words. But if there is one thing that IEEE has taught us through this pandemic, it is to have this attitude and confidence that regardless of how difficult the circumstances are, if we come together, no challenge is big enough.

IEEE Day Message

Celebrate virtual events this time and share technical knowledge to others.



*IEEE Day 2019 Photo Contest second place winner,
Social category: Al-Balqa Applied University, Jordan, Region 8*

IEEE Day celebrates the anniversary of the first meeting held in Philadelphia back in 1884 when members of the AIEE gathered to share their technical ideas. We celebrate IEEE members! Worldwide celebrations demonstrate the ways thousands of IEEE members in local communities join together to collaborate on ideas that leverage technology for a better tomorrow.

IEEE Day's theme is: "*Leveraging Technology for a Better Tomorrow*". While the world benefits from what's new, IEEE focuses on what's next.

IEEE Day is celebrated on the first Tuesday of October since its formation. **Accordingly, IEEE members are celebrating IEEE Day today and sharing the benefits of IEEE.** Due to the COVID 19 Global pandemic, the IEEE Day team has decided to celebrate IEEE Day 2020 virtually, to be celebrated the first two weeks of October by its members.

IEEE Day 2020 Events submission page is now live and a list of the events organized around the world can be found in the <https://ieeeday.org/eventslist-2020/> . IEEE Day team is seeking your contribution to celebrate IEEE Day 2020 and submit the virtual events (<https://ieeeday.org/submit-event-2020/>) on the IEEE platforms to exhibit to the world about your commemoration. If you are yet to celebrate IEEE Day 2020, view the IEEE Day-In a Box to get the idea and schedule your celebration in a unique way. Visit <https://ieeeday.org/> for more information.

Your Organizational Units(OUs) have the opportunity to win exciting prizes by participating in the IEEE Day photo contest and 60-second Innovation contest. The photo contest may include your happy moments in IEEE or your technical ideas or your social welfare activities through technology! It is up to you. Innovation contests must include a unique idea that can provide a better tomorrow to this world.

In addition IEEE Day offers various discounts including a new join discount for professional members, an incentive for professional members that are inactive. Special pricing on select IEEE Learning Network courses, discounts on IEEE Communications Society training course, IEEE Blended Learning Program courses, IEEE Broadcast Technology Society registration and many more which can contribute to expanding your knowledge.

Check the IEEE Day website (<https://ieeeday.org/>) for updates, and follow us on social media (Facebook, Twitter, Instagram, LinkedIn at [/IEEEDay](#)).

*Report by Sakib Ahmed
Lead, IEEE Day Communications*

Message from 2019-20 IEEE MGA SAC Chair



Dr. Elisa Barney

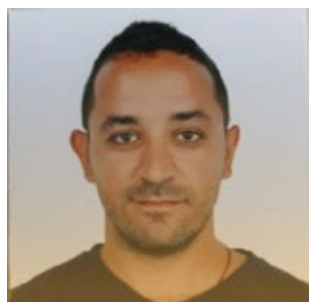
*IEEE 2019 & 2020 SAC Chair
Professor, Boise State University*

It is my honor to be asked to write an article for this newsletter. India has the largest population of student members in IEEE, and your numbers have been growing for years. IEEE membership, recruiting and activities, as most everything, were greatly disrupted when Covid hit earlier this year. While we are not yet past this horrible pandemic, we are at a point where we can have a clearer vision view where we are and see possibilities of where we can go. IEEE Student Activities is still offering programs for students. Developing programs that are virtual is the new norm and our new Virtual Speakers Bureau (which was planned before the pandemic began) provides you a tool to continue to connect to the IEEE global network and offer programs for your members. Use your creativity in how to convert other programs to a virtual or distributed format. You can use this time to reinvent yourself. It is most important to

focus on how you can connect with each other and prospective members. Look at what they need that you can provide. And by all means -- make sure that including fun social things are in your plans. We all need that special connection that comes outside the demands of work and school.

I look forward to continuing to interact with many of you after you transition to full IEEE member status and continue your involvement in IEEE.

Message from Program Lead, IEEEExtreme 14.0



George Michael

*Committee Lead,
IEEEExtreme 14.0*

IEEEExtreme is a global programming competition where IEEE students compete against each other in small teams. The competition has an unconventional timespan which lasts 24 hours and it will start on the 24th of October 00:00 (UTC +0) for everyone around the globe.


During that period the teams are asked to solve algorithmic challenges using their programming language of preference. The competition platform supports more than 20 different programming languages, including all the popular ones.

This is making it easier for the majority of students to compete as all common programming languages taught at school are covered.

We strongly encourage all students to join the IEEEExtreme as the challenges set contains challenges of all kinds of difficulty levels. There will be for sure challenges that can be solved by junior students and some mind boggling challenges for the advanced and experienced students. If you are a junior student, by joining early you will get experience on how to handle the workload with your team members and perform efficient time management based on your skill set.

This participation will allow you to improve as a team for the years to come and greatly improve your ranking in the future.

Each team can be composed of up to 3 people so start building your team and register at <https://ieeextreme.org/>



**PROCTORS & STUDENTS
REGISTRATION
IS NOW OPEN**

[Register now](#)

* Remote Proctoring and Team Participation will be Allowed. Refer to our OFFICIAL RULES for more information

We hope to see you soon in the biggest programming competition of IEEE which is composed of ~10,000 contestants and several hundreds of volunteers around the world! To know more about the IEEEExtreme and how to prepare visit our site (<https://ieeextreme.org/>) or hear it from the people that are creating the competition on the stream "IEEEExtreme Uncut: Behind the Scenes" (<https://ieeetv.ieee.org/channels/students/ieeextreme-uncut-behind-the-scenes>).

Funded SB Projects by IEEE Region 10

COVID19 AI Enabled Chatbot: Vardhaman Engineering College



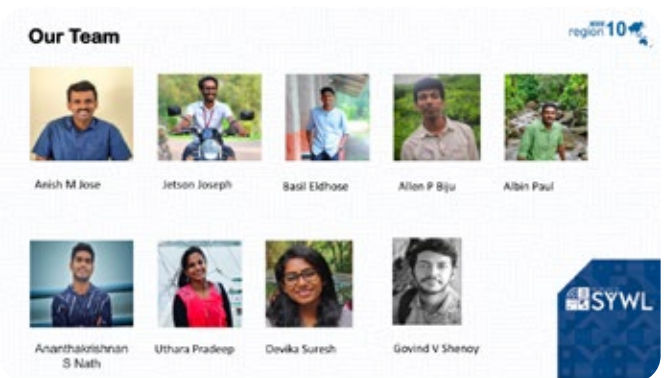
COVID19 AI Enabled Chatbot is developed by students from Vardhaman Engineering College with Sai Prashanth leading this team along with his team Pranay, Akash & Ajay under mentorship of Dr M.A Jabbar. The proposed idea is a research division of COVID19 awareness & how an AI chatbot be implemented to support hospitals, patients, medical centers & crowded places like airports/railway stations. Considering the major factors like economical and fast production, this young team has designed this Dr.Bot [as they like to call it so] to support the current situations & help the ones in need. This Dr.Bot's roadmap is a timeline to resist any future such pandemics and be completely available in open source for future usage by any individual/institution & strictly away from commercialisation. Prashanth [team lead] says this is developed with the love for country & support for any such future pandemic like situations. This Dr Bot operates both autonomously & semi autonomous, if the locations of desired isolation wards are constant.



Let's Unchain it: Viswajyothi College of Engineering and Technology

In applying for a robo-sanitiser challenge to winning the laurels from HAC, SIGHT & COVID19 R10 Proposal grant, this young team of IEEE volunteers from VJCET developed this project: Let's Unchain it. This project typically revolves around increasing the number of covid cases across the country and how the preventive measures that are needed are highly considerate. Washing hands frequently & usage of sanitiser with limited resources by maintaining social distancing norms, this team has developed two projects which are currently in usage. The automatic hand sanitizer dispenser and non-contact water dispensable automatic

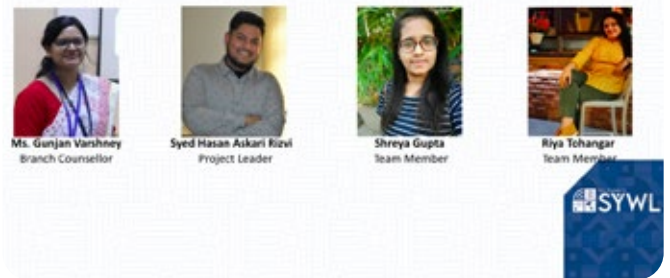
tap are currently deployed at the Government Taluk hospital, Muvattupuzha, Ernakulam district, Kerala considering the hospital is situated right beside the national highway & one of the major health care providing institution for the districts of Iddukki & Ernakulam in the state of Kerala. This team from VJCET is lead by Jetson Joseph along with his team mates Basil Eldhose, Allen P Biju, Albin Paul, Ananthakrishnan S Nath, Uttara Pradeep, Devika Suresh, Govind V Shenoy and is ably mentored by Anish M Jose.



Smart Temperature Monitoring and Automatic Sanitizer Dispenser: JSS Academy of Technical Education

As it is very difficult for organizations and public places in COVID era to measure and keep records of their body temperature and sanitize every individual. We have experienced that due to lethargic nature the guards or any individual responsible for this task doesn't perform it properly and are not bothered by the temperature. This would lead to a huge wave of spreading the chain of COVID patients at the national level. So our device will be set up in front of entry doors and will get adjusted itself to the height of the customer approaching such that the temperature sensor will be exactly in front of the face. And it will also encourage the customer to bring the hand forward to take the sanitizer said: Syed Hasan Askari Rizvi, the project team lead. He was accompanied by Shreya Gupta & Riya Tohangar. IEEE JSSATEN Student Branch is the new rising branch under U.P. Section. The branch is touching apex of success under the guidance of Branch Counsellor Ms. Gunjan Varshney and Branch Coordinator Dr. Sanjeev Kumar Sharma.

Project Title : Smart Temperature Monitoring and Automatic Sanitizer Dispenser



Our motive stands Strong: Advancing Technology for Humanity

says **Dr Saaveethya Sivakumar**, IEEE Region 10 Student Representative.

This initiative was taken by IEEE Region 10, targeting the current pandemic by funding innovative technological strategies to fight against the novel coronavirus. Our objective was to encourage IEEE Student Members in Region 10 to propose innovative solutions to survive through the pandemic. Among many applications we have received, 5 best suitable applications were selected which are cutting edge technologies which are ably judged by an esteemed jury panel that could be in the warfront at global crisis. I'm glad to inform you that three proposals namely from IEEE Hyderabad Section, IEEE Kerala Section & IEEE Uttar Pradesh Section from IEEE India Council are among the top 5 selected projects. Thus, by supporting these new innovations, IEEE Region 10 stood out in keeping our motive as a priority to support humanity by leveraging the technology.





IEEE Nagpur Subsection is convening **virtual IEEE Women in Engineering International Leadership Summit 2020 (IEEE WIE ILS)** during **November 6-8, 2020** in association with IEEE India Council & with mutual partnership of IEEE Delhi Section, IEEE Pune Section & UP Section under the theme of **“Ignite, Inspire, Engage”**.

ILS is a part of IEEE WIE’s global initiatives which provide regional opportunities for networking, mentorship and collaboration to the participants. The main focus of ILS is on Empowerment, Entrepreneurship, Leadership, and Emerging/Future Technology tracks wherein one can promote innovations and get a platform to collaborate with industry and academia. Yearly ten such meets are organized globally and this year, one of these is being organized by IEEE Nagpur Subsection in India.

IEEE Nagpur subsection (NSS) is a very vibrant subsection commenced in the year 2017 and the second one formed under IEEE Bombay Section. It consists of a mixture of diverse people from academia, industry as well as student members from various organizations. In a very short span of its establishment, NSS has achieved many milestones & now regularly conducts many events under its aegis. Nagpur Subsection Student Congress (NSSC), WIE summit, IGNITE are some of the key flagship events that have been conducted with more than 300 participants since its year of inception 2017. These events provide a good platform to students, researchers and professionals to showcase their capabilities, engage and network with one another. The subsection is proud to have hosted several events that received participants from across Maharashtra, Gujarat, Madhya Pradesh etc.

ILS’20, Nagpur is the first ever international event being organized by Nagpur Subsection in collaboration with India Council and three Sections. Our goal is to facilitate the recruitment and retention of women in technical disciplines globally. We envision a vibrant community of IEEE women and men collectively using their diverse talents to innovate for the benefit of humanity. We believe in improving diversity in the workplace and ensuring inclusion.

The ILS’20 consists of three parallel tracks namely: “Innovate to create”, “Entrepreneurship & Emerging Technology” & “Empowerment”. The tracks comprises keynote speeches, life stories, Panel Discussions to enlighten the new avenues to the program delegate’s. There is a special call for innovative ideas related to COVID19 Pandemic from the participants. Through this competition participants get the platform to showcase their innovation in the ILS’20. The ILS also receives technical & knowledge partnership from IBM Corporation. A hands-on workshop by IBM is the key part of the ILS’20 Nagpur. More than 20 prominent speakers from IEEE, Industry & Academia have given concern for keynotes/panel discussions in ILS’20. To participate in this upcoming ILS’20, participants have many options in ticketing.

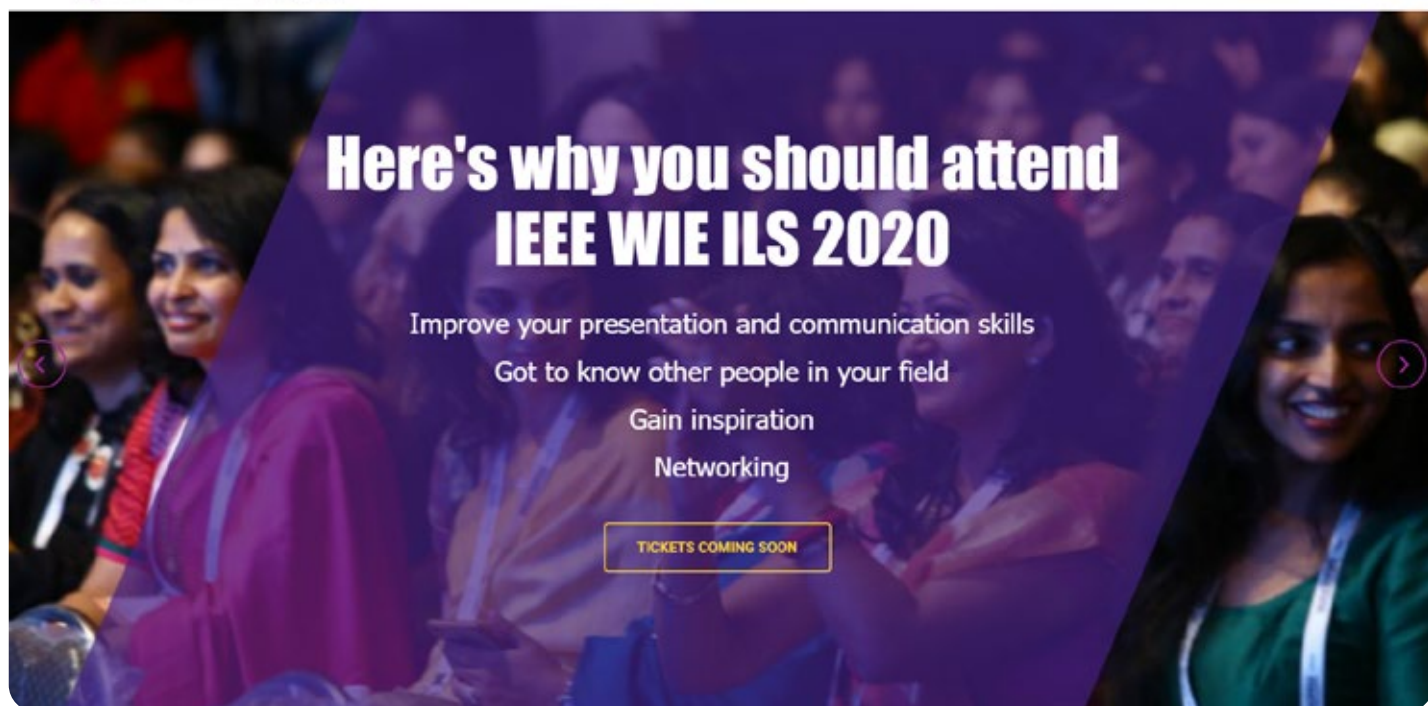
To participate in this upcoming ILS'20, participants have many options in ticketing. The participant can have all three days' ticket, only two days' ticket or even can attend any one day of his choice to listen to his/her interested talk. Registration for ILS 2020 is already open through the Summit website <https://ilsnagpur.org/>, and shall stay open till the third week of October 2020. By participating in ILS'20, participants would get to listen to several eminent figures in industry, including women leaders across IEEE, Industry and Academia.

Some of the prominent speakers for the ILS are: Emi Yano, IEEE Region 10 Director-Elect, Reena Dayal, Director of innovation cell, The Garage in Microsoft India and Chairperson of IEEE SIG, Quantum, Anita Rajan, Chief Operating Officer at Tata STRIVE , Ms. Deepali Chugh, General Manager & Sr. Director of Power business, Intel, Sairee Chahal, Founder - SHEROES; Board Member - Paytm Payments Banks, Priyank Patel from Nukkad Café, Tej Tadi, Founder and CEO of MindMaze, Among Top 100 Listed by World Economic Forum, a neuroscientist, engineer and entrepreneur, Mr. Vishwanathan Iyer, Vice President of Architectures (Asia Pacific & Japan), Singapore, CISCO, Dr. Celia Shahnaz, Ph.D. SMIEEE, FIEB, Professor, Department of EEE, BUET, Dhaka, Bangladesh, Dr. Elisa H Barney Smith, MGA SAC Chair and Professor, Boise University, and many more stalwarts speaking on a dazzling array of topics.

For more information, you can visit <https://ilsnagpur.org/> and find the list of speakers, schedule of WIE ILS 2020, registration and ticketing information and much more. Even though the summit, the 'About' page on the website gives you a chance to experience a bird's eye view of the wonderful city of Nagpur as captured by an aerial drone. If you have any queries related to events, schedule or ticketing, or if you are a prospective sponsor, you can find associated contacts on the 'Contact Us' page of the website. You can also drop a comment on the website through the same page and it will be redirected appropriately. Make the most of this opportunity to listen to such great personalities virtually, in the comfort of your home. The ILS organizing committee hopes to see enthusiastic support and participation, and looks forward to hosting you!



HOME ABOUT US SPEAKERS SCHEDULE GALLERY SPONSORS FAQ'S TEAM CONTACT US



<https://ilsnagpur.org/>



IEEE Region 10
Student Activities Committee



IEEE
HYDERABAD SECTION



IGEN-2020: (An Initiative to Gather Engineer Network) was the hallmark event of R10 Membership Development and Leadership Training organized by IEEE Hyderabad Section Student Activities Committee from 18th to 20th September 2020. The main theme of the event is to build future leaders and also to improve the memberships. The event focused on helping students to utilise IEEE platform to exhibit their expertise by participating in various competitions and contests in both technical and non technical fields. Volunteers of IEEE R10, IEEE Section Executive Committee, 16 Different Chapter Chairs, and many senior members of IEEE Hyderabad Section and professors were invited to get connected virtually on different concepts which helps students in further run of their career. IEEE Hyderabad Section SAC is come up with new idea of sponsoring IEEE Membership for 20 students. It is an amalgamation of inventors, professionals, entrepreneurs, and visionaries.

IGEN-2020 kick-started its events on August 22. There were total 17 competitions that include: 1. IEEE Resources Quiz on IEEE Collabratec ,Vtools, Basic IEEE Question, Picture Quiz (6th - 18th September) 2. Article Writing : Technical / Non Technical : (5th September) 3. Group Discussion : Technical /Non Technical (29th August 2020) 4. Research paper writing Contest : Technical 5. Idea pitching Hackathon(I-Edge) : Entrepreneurship (4th ,5th ,6th September) 6. Coding Contest (September 5th 2020) 7. Debate : Contradictions / Covid 19 (September 1st) 8. Web designing Contest SAC Virtual (25th August 2020) 9. Project Expo (August last week : release , 3rd September final contest) 10. Poster presentation contest (Theme WIE) (6th September 2020) 11. Video Contest, Theme : Social Engagement on IEEE Experiences (4th September) 12. Photography Contest, Theme : Photos taken in the IEEE virtual events till dates (September 1st – September 13th) 13. Tag a friend contest : #IGEN2020 (September 1st – September 19th). The pool prize for was IGEN was around 23, 500 INR.

The inaugural of IGEN-2020 was addressed by Mr. Deepak Mathur, IEEE R10 Director Elect; Mr. John Day, Director IEEE Programs and Member Products IEEE MGA; Ms. Takako Hashimoto, Secretary, IEEE R10; S. N. Singh, Chair, IEEE India Council; Dr.Suresh Nair, Chair Elect, India Council; Dr. Rajashree Jain, SAC chair, IEEE India Council; Ms. Huynh Thi Thanh Binh, SAC Chair, IEEE R10; Dr. Saavethya Shivakumar, Regional Student Representative, IEEE R10; Dr. Amit Kumar, Chair, IEEE Hyderabad Section; Dr. Lakshmi Narayana, Vice Chair, IEEE Hyderabad Section; Mr. Bala Prasad Peddigari, Secretary, IEEE Hyderabad Section; Dr. Srinivasa Rao Nookala, Treasurer, IEEE Hyderabad Section; Dr. G. Sree Lakshmi, SAC Chair, IEEE Hyderabad Section and many other Section Execom members.

Impact of IGEN

IGEN 2020 impacted over 2500 individuals through 30+ events that were organised under this banner. The ripples of IGEN 2020 were impacted in and beyond the geographical boundaries of IEEE Hyderabad Section. Team IGEN 2020 was fortunate to cater to the thirst and curiosity of many passionate students from across 20 sections, from India and beyond to the countries like Srilanka, Pakistan, Bangladesh, Japan and Singapore.



IGEN-2020 on 18th September, Inaugural Ceremony & 20th September, Closing Ceremony

IEEE Leadership Insight Program

IEEE Madras Section in association with IEEE R10 organised an IEEE Leadership Insight Program during 12 – 13, September 2020. Due to Covid-19 pandemic, the program was organized virtually. There were around 50 participants from various institutions across Tamil Nadu have attended this two days leadership program. The program was inaugurated by Dr. N Kumarappan, Chairman, IEEE Madras Section followed by his inaugural address, Dr. N Kumarappan highlighted the importance of leadership in the students for the future.

Day 1 (12.09.2020) comprised of three sessions. In the first session, Mr. Vidya Shankar G, Founder and CEO, Only Success Academy shared his experience on “How to build up a professional career and stories behind success”. He motivated students that the failure is one which makes us learn how to become successful and with more failures we are closer to achieving success.

In the second session, Mr. Harish Bharadwaj, CEO, HUM Consulting delivered a talk on “Creative thinking and Decision Making”. The session was very interactive and gave the audience a different experience. He gave the participants a deep insight about creative thinking and also explained the major role of decision making in every field and how a wrong decision can affect everyone. He clearly mentioned the steps to be followed before making any decisions.

In the third and last session of day 1, Mr. Charles, ZOHO HR Leader & Public Speaker, delivered a talk on “Smart Work”. He explained how problems could be solved using smart work and shared his life experiences. He highlighted the difference between smart work and hard work and why smart work is preferred by companies than hard work.

Day 2 (13.09.2020) comprised of three sessions. In the first session Dr. Kumarappan N, Chairman, IEEE Madras Section delivered a talk on “Awareness For Student And Professional Members”. He shared his experience as an IEEE Member and gave a deep insight about roles and opportunities for a IEEE Member. He also spoke about the wide range of awards which IEEE offers and explained how the membership should be used in various ways.

In the second session, Dr. Preethi Bajaj, Vice Chancellor, Galgotias University gave a deep insight on “Roles in IEEE after graduation”. She explained how the membership cycle works and the various types of memberships available for the students as well as the professional community. She also mentioned the various roles for an IEEE member even after graduation and also explained about the benefits of each member category.

In the third and last session of day 2, Mr. Madhav Negi, Architect-Office of account CTO, DXC Technology India, delivered a talk on “How to be a better Leader?”. He explained the difference between just being a leader and being a better leader. He also gave an insight to the participants on how to develop the leadership skills and how to analyze the problem before acting.

At last, the program ended with the vote of thanks delivered by Dr. N Kumarappan, Chairman , IEEE Madras Section.

The image shows a promotional poster for the IEEE Leadership Insight Program. At the top, it features the IEEE Madras Section logo, the IEEE Region 10 logo, and the text "IEEE Madras Section & IEEE R10 Sponsored". Below this, it reads "IEEE MADRAS SECTION Student Activity Committee - Membership Development and Leadership Training" and "IEEE Leadership Insight Program".

Below the poster is a speaker schedule for two days:

PROGRAM DATE: 12.9.2020 (MORNING SESSION)	PROGRAM DATE: 13.9.2020 (MORNING SESSION)
TITLE: HOW TO BUILD UP A PROFESSIONAL CAREER AND STORIES BEHIND SUCCESS Dr. VIDYA SHANKAR G Founder & CEO, Only Success Academy	TITLE: AWARENESS FOR STUDENT AND PROFESSIONAL MEMBERS Dr. KUMARAPPAN N Chairman, IEEE Madras Section
TITLE: CREATIVE THINKING & DECISION MAKING Dr. HARISH BHARADWAJ CEO, HUM Consulting	TITLE: ROLES IN IEEE AFTER GRADUATION Dr. PREETHI BAJAJ Vice-Chancellor, Galgotias University
TITLE: SMART WORK Dr. CHARLES Zoho HR Leader & Public Speaker	TITLE: HOW TO BE A BETTER LEADER? Dr. MADHAV NEGI Architect, Office of account CTO, DXC Technology India

At the bottom of the schedule, there are sections for "BANK DETAILS" (State Bank of India, A/C Name: IEEE Madras Section, A/C No.: 5000 010000 1174, IFSC Code: SBIN00089500) and "FOR REGISTRATION" (QR code, "Certificate will be provided", and registration fees: ₹4000 for IEEE Members, ₹6000 for Non-IEEE Members, ₹0 for Students).

IEEE Region 10 Awards 2020

IEEE Region 10 continues to nurture and develop strong awards and recognitions program to promote outstanding volunteer services and contributions. The R10 Award and Recognition Committee (ARC) and the Activity Program Committee Chairs have worked conscientiously over the past five to six months despite the COVID 19 Pandemic situation to select worthy recipients for several R10 awards.

IEEE R10 Director, Prof. Akinori Nishihara, and The Awards and Recognitions Committee 2020 team, has announced the following nominations as a recipients of 2020 Region 10 awards.

Organizational Units



IEEE Bangalore Section
*R10 Outstanding
Large Section Award*



IEEE Gujarat Section
*R10 Outstanding
Medium Section Award*



**IEEE Australian Capital
Territory Section**
*R10 Outstanding
Small Section Award*



IEEE Hong Kong Section
*R10 Best Membership
Growth Large Section
Award*



IEEE Tainan Section
*R10 Best Membership
Growth Medium Section
Award*



**IEEE Northern
Australia Section**
*R10 Best Membership
Growth Small Section
Award*



IEEE Hong Kong Section
*R10 Best Membership
Retention Large Section
Award*



IEEE Queensland Section
*R10 Best Membership
Retention Medium Section
Award*



IEEE Vietnam Section
*R10 Best Membership
Retention Small Section
Award*



**Hyderabad Section
Education Society Chapter**
*R10 Education Activities
Outstanding Group Award*



**Panimalar Institute of
Technology Student
Branch, Madras Section**
*R10 SAC Outstanding
Student Branch Award*



**IEEE Hyderabad Section
WIE Affinity Group**
*R10 Women in Engineering
Outstanding Section
Affinity Group Award*



**Sardar Patel Institute of
Technology WIE Student
Branch Affinity Group,
Bombay Section**

*R10 Women in Engineering
Outstanding Student Branch
Affinity Group Award*



**IEEE Bangalore Section
Young Professionals
Affinity Group**

*R10 Young Professionals
Outstanding Section
Affinity Group Award*

in recognition of outstanding contribution and services

Individual Volunteers



Sameer S. M.
*R10 Outstanding
Volunteer Award*



Debabrata Das
*R10 Outstanding
Volunteer Award*



Atul Negi
*R10 Outstanding
Volunteer Award*



Mohd Hafiz Ismail
*R10 Education Activities
Outstanding Volunteer
Award*



Bijoy Antony Jose
*R10 Humanitarian
Technology Activities
Outstanding Volunteer
Award*



Shrikant Tangade
*R10 Student Activities
Committee Outstanding
Volunteer Award*



Divya M G
*R10 Women in Engineering
Outstanding Professional
Volunteer Award*



Sai Divya Nallapaneni
*R10 Women in Engineering
Outstanding Student
Volunteer Award*



Nandan S.
*R10 Young Professionals
Outstanding Volunteer
in Academic Award*



John Benedict B
*R10 Young Professionals
Outstanding Volunteer
in Industry Award*



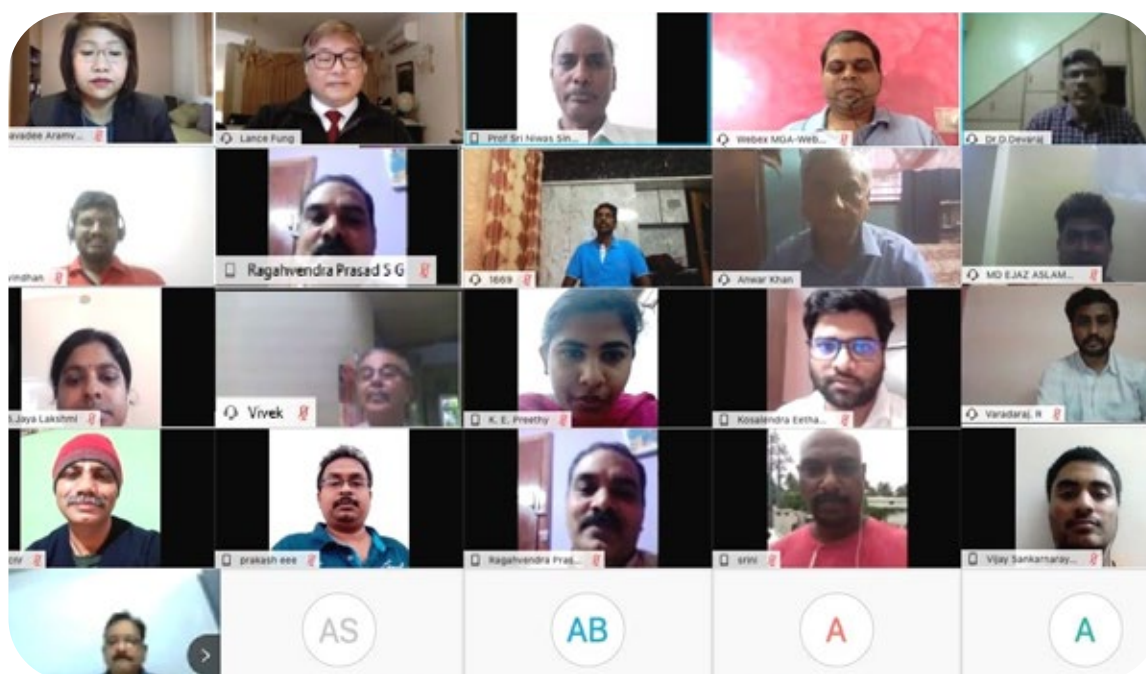
A G Hareendralal
*R10 Life Member
Outstanding Volunteer
Award*

in recognition of outstanding contribution and services

Educational Activities, IEEE India Council

IEEE India Council webinar on “Exploring the E-Learning Resources of IEEE”

IEEE, the world's largest technical professional organization offers a lot of online learning resources for students and professionals. IEEE INDIA COUNCIL Organized a webinar on “Exploring the E-learning resources of IEEE” in online mode on July 18th 2020. This webinar was organized to provide awareness to the members about all the learning opportunities and inspire them to take up proactively. Two hundred and seventy Participants including faculty members, IEEE student branch counsellors, IEEE volunteers and student members attended this webinar. Dr.D.Devaraj, Vice Chair, Educational activities, India Council welcomed the resource persons and the participants. Dr.S.N.Singh, Chair, India Council and Mr.Puneet K Mishra, Secretary, India Council in their introductory remarks highlighted the importance of the technical and professional development resources from IEEE for the benefit of the members and volunteers, especially during this lockdown period.



The resource persons, Prof. Lance Fung, Coordinator, IEEE R 10 Educational Activities and Dr. Supavadee Aramvith, Chair, IEEE EAB Section Education Outreach Committee were introduced by the IEEE Volunteers. The first session was handled by Dr.Supavadee Aramvith on “Pre-University Learning resources”. She explained the different learning resources available for the school students. He encouraged the participants to utilize Report by Dr. D. Devaraj, Vice Chair, Educational Activities, IEEE India Council these resources to educate the school students on STEM education. The second session was handled by Prof. Lance Fung on “Continuing Education”. He mentioned the activities of IEEE for students and professional members and publications in IEEE. He also highlighted the different online courses organized by IEEE. The sessions were followed by a questioner session in which the participants clarified their doubts with the resource persons.

The Webinar enabled the participants to understand the different learning resources available for the School students, College students, faculty members and working professionals. It also provided an opportunity to know the various online courses offered by IEEE. The session ended with a vote of thanks and received positive feedback from the participants.

Activities of India Council Student Coordination Team

The following are highlights of the events and activities undertaken by IEEE India Council's Student Coordination Team (IC SCT) 2020:

1. Webinar on Build for India: A step towards Atmanirbhar Bharat:



Our country initiated a massive step towards being self-reliant or “Atmanirbhar” by making India build for itself. SCT in collaboration with IEEE Delhi Section successfully organized a webinar on Build for India: A step towards Atmanirbhar Bharat on 6th June 2020. It was delivered by Mr.Saurabh Jain, Patym-Vice President. The event had a record 3000+ registrations and 1400+ attendees which is a first in the history of IEEE India Council. Prof. S. N. Singh, Chair IEEE India Council inaugurated the webinar, while Dr. Purna Gaur was the moderator of the session. Mr. Saurabh Jain, Patym-Vice President galvanized the participants by sharing the story of Paytm. Startups and entrepreneurship are two interlinked words which play a major role for Atmanirbhar Bharat. Mr. Saurabh explained the three stages of startup, three focus areas of startup founders, stages of the startup life cycle and gave an idea of how a student can start his own startup and become an entrepreneur by “starting with a problem of India and creating a solution for it.”

The true power of the nation lies in its own youth who determine their own destiny, creating new jobs and making their country youthful again. Mr. Archit concluded the event by giving a vote of thanks to our esteemed speaker and executive committee members.

2. Webinar on Personal Branding:



IEEE India Council organized a webinar with Ms.Miri Rodriguez, the Global Head of Internship at Microsoft on the topic Personal Branding on 5th July at 6pm (IST). The event saw a massive 2200+ engagements from all over the world. Prof.S.N.Singh, Chair IEEE India council inaugurated the session and the welcome address

was given by Er. Puneet Mishra, Secretary, India Council. Ms. Miri mentioned the key elements of a brand. Purpose: brand mission, the importance of these words were shared by her journey in Microsoft. Ms.Miri made personal branding more insightful by sharing her journey and her motive to write a book. Ms.Miri intrigued the participants and sparked them to create their own story.

3. Webinar on IEEE Resources: “Collabratec & vTools”



A webinar on IEEE Resources: “Collabratec & vTools” was conducted on 12th July 2020 at 5.30 pm (IST). The webinar was a huge success with 1100+ participants joining the session. Collabratec is the only tool which unites the IEEE global Technical community. Mr. John Day, Director, Member Products & Programs IEEE member & Geographical activities expounded the various resources available in collabratec and the services available for IEEE Members. The next half of the session was with Ewell Tan, Project manager IEEE Asia-Pacific Limited on vTools, the site providing a wide range of information for volunteers. Both brought home the fact that Collabratec and vTools are vital resources which integrate the online community where technology professionals can network and collaborate.

4. YP Chair's Meet

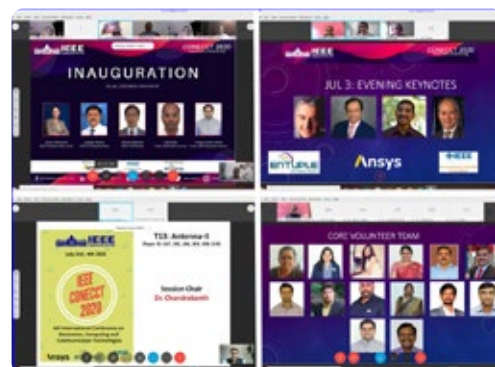


ISCT under leadership of Mr. Archit Goswami hosted the YP Chairs' Meet with Prof. Takuo Suzuki R10 Young Professionals Chair and India Council Executive committee members on 19th July at 6 pm (IST). The YP Chairs of all the twelve sections had a virtual interaction where all the section YP chairs shared their thoughts and insights. In this meet the YP Chairs discussed the various initiatives taken by each section to increase the membership and the reason for the membership decline. This meet paved a way for the YP chairs of all the sections to share their ideas, opinions and suggestions with Prof. Takuo Suzuki.

IEEE Bangalore Section Activities

One of the most dynamic sections of India, Bangalore Section has won several awards at the Region 10. The section is recognized with the **“Outstanding Large Section” award** and the **“Outstanding Young Professionals Section Affinity Group” award** for the year 2020. Three individual best volunteer awards **“R10 Outstanding Volunteer Award”**, **“R10 WiE Outstanding Professional Volunteer Award”**, and the **“R10 Student Activity Committee Outstanding Volunteer Award”** for the year 2020 were also bagged by the IEEE Bangalore Section volunteers. We congratulate the awardees and thank all the volunteers for their tireless efforts and dedication towards the section.

The flagship conference of the IEEE Bangalore Section, IEEE CONECCT (<https://ieee-conecct.org/>) was successfully organized from 2nd-4th July 2020. The 6th edition of the conference included some exemplary talks by keynotes speakers, a deluge of workshops, paper presentations by the authors, cultural programs, etc. In response to Call for Papers, a total of 689 papers were received and 255 papers were shortlisted and presented in 42 technical sections in 7 parallel tracks. The conference had 19 keynotes from across the world with 500+ delegates.



Bangalore section and IEEE Future Networks have jointly organized the 3rd edition of ‘5G World Forum’ (<https://ieee-wf-5g.org/>) a flagship conference of IEEE Future Directions from 10th September 2020-10th October 2020. The 2020 IEEE 3rd 5G World Forum (5GWF’20) in Bangalore, India, seeks contributions on how to nurture and cultivate 5G technologies and applications for the benefit of society. 5G systems should unveil a novel mobile network architecture that not only improves the physical data rate but also creates a new ecosystem allowing the deployment of novel services and applications. A key target is to build a novel network architecture that should support not only classical mobile broadband applications and services but also vertical industry (e.g. Intelligent Transport, Industrial IoT, eHealth, etc.) and other 5G-based services.



The list of webinars with high participation:

Date	Title	Speaker	Affiliation	Participant (approx)
18th July 2020	Course on Embedded Systems and IoT: Lecture-2 WSN/IoT Protocols	Vishwas Lakkundi	Principal Architect & Head of Information Security	100+
3rd Aug 2020	Understanding the world of Complexity in association with IEEE India Council	Tathagat Verma	Strategy & Operations, Walmart Labs	100+
19th July 2020	Innovation: What, Why & How	1. SudhakarRao 2. S N Singh 3. Puneet Mishra	1. IEEE Life Fellow 2. Chair, IEEE India Council	300+
14th July 2020	Industry Spotlight Podcast in association with SantaClara Valley Section, Boston Section, and IEEE Industry Engagement Committee.	Stefano Galli	Past Chair, IEEE Fellow Committee	200+
30th Aug 2020	Digital Safety and Privacy for Women	Hima Bindu Veeramachaneni	Core Member: CyberPsy, Digital Advocate, Security Evangelist	100+
31st July 2020	Rise of Machines: The Future of Robotics	Latha Christie	Associate Director, (DRDO), Bangalore.	100+

Under the IEEE SIGHT and with support from HAC, the section is driving an initiative to develop a COVID-19 self-care kit. This 3D printed kit will help to reduce the physical contact among the underprivileged people of the society. About 200 such kits have been printed and distributed among the needy.

IEEE North Karnataka Subsection (NKSS, Geocode: R0011902) was officially inaugurated by Prof. Akinori Nishihara, Director IEEE R10 (Asia-Pacific) on 14.09.2020 at 6:00 PM IST in virtual mode. He welcomed the new excom of the Sub-Section and appreciated the efforts of NKSS team leaders in heralding IEEE membership and its benefits to students in the remote parts of Karnataka state. Prof. Akinori highlighted the technical, professional, and humanitarian benefits of IEEE and appealed to members to best utilize the IEEE resources. The inauguration of the Sub-section also had dignitaries like Mr. Deepak Mathur, Director-Elect, IEEE R10; Dr. Ramakrishna K, Vice Chair-Membership, MGA, Past Director IEEE R10; Dr. Supavadee Armvith, IEEE R10 Section & Chapter coordinator and Dr. S. N. Singh, Chairman, IEEE India council. Dr. Bindhumadhav, Chair-Elect, IEEE Bangalore section formally welcomed the gathering. Later, the NKSS slate for the year 2020 was presented by Dr. Sudeendra Koushik, Chair Nominations Committee, IEEE Bangalore Section. The slate has Dr. Suresh Jangamshetti, Chairman; Dr. D. B. Kulkarni, Vice Chairman; Dr. Kiran Belavalad, Secretary, and Mr. Abhishek Deshmukh, Treasurer. Mr. Puneet Kumar Mishra enlightened the statistics of the Sub-section that NKSS has 9 districts with 39 engineering colleges with a membership base of 800. On behalf of NKSS, Interim Chairman, Dr. Suresh Jangamshetti addressed the gathering and assured everyone of good governance, dynamic activities, membership enhancement, Industry-Academia linkage, participation in IEEE conferences/workshops, humanitarian projects, etc. The support and encouragement of Chairman BVV Sangha and Principal Basaveshwar Engineering College, Bagalkot were appreciated for providing access to facilities required for IEEE-NKSS. Dr. Naveen Kumar, Secretary IEEE Bangalore Section proposed a vote of thanks. The inaugural included 200+ members.



IEEE Hyderabad Section Activities

Hyderabad Section has always shown spectacular and dynamic all-round performances. IEEE Hyderabad Section has always encouraged its entities and volunteers to explore, innovate, and reach great heights. The section has won 2 sectional awards and 3 individual awards at R10 Awards 2020.

The Awards include:

R10 Education Activities Outstanding Group Award: IEEE Hyderabad Section Education Society Chapter

R10 Women in Engineering Outstanding Section Affinity Group Award: IEEE Hyderabad Section WIE Affinity Group

R10 Outstanding Volunteer Award: Atul Negi

R10 Young Professionals Outstanding Volunteer in Industry Award: John Benedict B

R10 Women in Engineering Outstanding Student Volunteer Award: Sai Divya Nallapaneni

We congratulate our most dedicated volunteers as we celebrate this moment and promise to extend our services for members in the best possible way.

IEEE HYDCON 2020

HYDCON, the flagship biennial conference of the IEEE Hyderabad Section was virtually organized from 11-12 Sep 2020 with the theme **“Engineering in 4th Industrial Revolution, EI 4.0”** with 1200+ delegates and professionals converging under one roof to share their experience and insights. The conference inaugural had Prof Toshio Fukuda, IEEE President 2020; Prof Akinori Nissihara, Region 10 Director; Prof Takako Hashimoto, Secretary, Region 10; Mr. Deepak Mathur, Region 10 Director elect; Prof SN Singh, Chairman, IEEE India Council; Dr. Chris Lee, Chairman, Region 10 Industry relations committee and many other eminent personalities. The conference included some exemplary talks by Dr. Supavadee Aramvith, Assoc. Prof. Chulalongkorn University, Thailand on the topic: Super-Resolution Techniques for Video Analytic Applications; Prof. Chris Gwo Giun Lee, National Cheng Kung University, Taiwan on the topic: Making Healthcare More Accessible via AI: Extension of Telemedicine; Prof. Lance Fung Murdoch University, Australia on the topic: Digital Transformation and Emerging Technologies for Post COVID-19; Dr. Stefan Mozar, President 2020, IEEE PSES, Fellow member, Dynexsys Pty Ltd., Glenwood, New South Wales on the topic: Power safety and Engineering and Prof Jan Haase on Energy-efficient distributed embedded systems. In response to the call for papers for HYDCON, a total of 500 papers were received and 100 papers were shortlisted and presented in the conference after a rigorous review by a panel of experts and professionals. A special industry track was also organized by the IEEE Region 10 Industry Relations Committee with the theme **“Fostering Industry-Academia Networking under Vibrant 4.0 landscape”** on the 10th Sep 2020 which had speakers like N Venkatesh from Silicon Labs; Reena Dayal from Microsoft, Bala Peddigari from Tata consultancy services, Sarada Jayakrishnan from Terumo, Shilpi Agarwal of TESCO, Rashmi Pathak of Reckitt Benckiser, D Ramakrishna, Confederation of India Industries (CII) Aditya Rao from Service Now and many others.



IEEE Computer Society chapter of the Hyderabad Section came-up with a series of webinars by the most promising leaders of IEEE. The first webinar was delivered by **Mr. John Day**, Director, Members, Products & Programs, IEEE MGA, on the topic **“IEEE Collabratec: Uniting The Ieee Global Technical Community”** on 8th July 2020. Mr. John Day shared his knowledge on IEEE Collabratec and badging opportunities, exclusive and premium services for IEEE members, the opportunity of mentoring partnerships, etc. The Second Webinar on **“Making the most of your IEEE Computer Society membership”** by **Mr. Eric Berkowitz**, Director of Membership, IEEE CS on 11th July 2020 enriched the participants with insights on the benefits, products, scholarships, and services offered by the IEEE Computer Society. The third webinar was organized on 18th July 2020 on the topic **“Cyber Security Considerations For Today’s Industrial Control Systems”** by **Susan Kathy land**, IEEE President-Elect 2020 who shared her knowledge on Cyber Security considerations for today’s industrial control systems. Encrypt and Unencrypted documents, IPS and IDS/IPS control systems implementation challenges, Router, and modem attacks, defense-in-depth, and Rookie Mistakes. The fourth webinar was delivered by **Mr. Andre Oboler**, Chair, Geographic Activities Committee, IEEE Computer Society on the topic **“ Social Media, Democracy And Online Hate”** on 25th July 2020 who spoke about Social media and online hate, Impact of COVID-19 on social media, Facebook’s recent actions, balancing free speech, human dignity, and democracy. He also stated that online hate can be prevented if strict laws and rules were followed by various online platforms ensuring public interest. The Webinars had a huge number of participation from different colleges and universities.

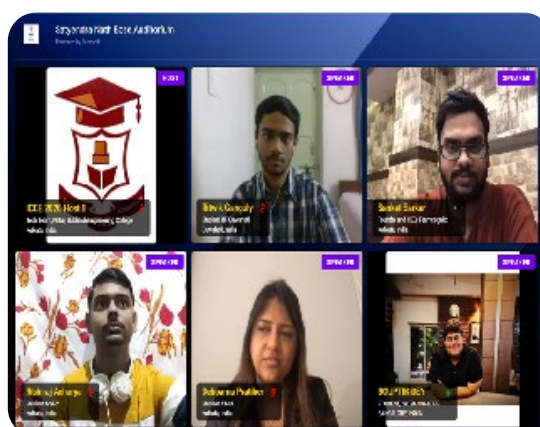


IEEE Kolkata Section Activities

At IEEE Kolkata Section, all the activities including official meetings are organized following the guideline issued by the Government of India, Indian Council of Medical Research (ICMR), Local administration, and the World health organization (WHO). Activities are prioritized and all non- essential activities including travel are restricted. Activities are made almost paperless and non-contact as much as possible. . We've also looked for opportunities to support high priority needs in the context of the COVID 19 outbreak.



IEEE International Conference in Convergence of Engineering, ICCE-2020 was organized by **IEEE PES Chapter Kolkata Section** in association with **Netaji Subhash Engineering College** from **5th-6th September 2020** through the virtual Platform AIR MEET. Dr.H.K.Mandal, Patron ICCE-2020 delivered the welcome speech. Mr.Deepak Mathur, Director-Elect R10 was the chief guest for the conference who delivered a very insightful inaugural address outlining the present technological revolution and appreciated the effort in organizing ICCE-2020 in this pandemic situation. The guest of honors included Prof.S.N.Singh, Chair, IEEE India Council; Mr. Sanjay Kar Chowdhury, Chairperson, IEEE Kolkata Section; Prof. Anupam Basu, Director, NIT Durgapur; Prof. Dhrubajyoti Chattopadhyay, VC, SNU; Dr. Sanku Bose GCEO, TIG.



The total number of participants was 548. The conference included four main engineering tracks: a) Electronics & Communications Engg. b) Electrical Engg. c) Computer Science and IT d) Interdisciplinary where 240 technical paper submissions were received and 97 papers were shortlisted for presentation. A total of 52 sessions include 7 Key-note addresses, 12 Plenary sessions, 8 Special sessions, 6 workshops & Tutorial sessions, 2 Industry Panel Discussions, 1 Students' Panel Discussion, and 16 Interactive technical sessions were organized concurrently in six virtual auditoriums.

The **Industry Panel Discussion** includes the industrialists from Exide Industries, PWC, CERNER Corporation, Data Science Foundation, Elect. Castings Ltd., CESC Ltd, ITC Infotech, Aditya Birla Group, ABP Ltd, Crossways IT Ltd. Bangladesh, Earnest & Young, Ideation Technology Solutions Ministry of IT & Electronics, Govt. WB, NASSCOM, WEBEL, and Jupiter Wagons Group, etc. A **Student Panel Discussion** on the “Convergence in the field of Industry and Engineering” was organized by IEEE ICCE2020, digitally partnered by Teamcognito and Moderated by Mr. Sanket Sarkar (CEO at Teamcognito) with Ritwick Ganguly, Former Virtual Intern at J.P Morgan; Rishiraj Acharya, Summer Faculty at Stanford Online; Debparna Pratiher, Product Manager at Nvidia and Souptik Dey, a researcher in IoT and Machine Learning. Dr. Tirthankar Datta, General Chair, ICCE-2020 delivered the vote of thanks.

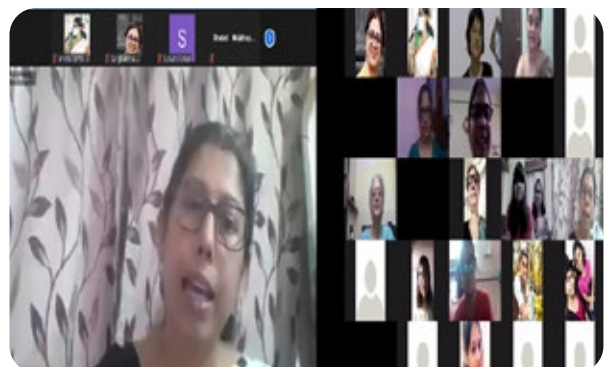


PES Kolkata Chapter organized two Distinguished Lecturer Programs. The first webinar focused on “**Energy Efficiency In Smart Buildings Through IoT Sensor**” by **Prof. Saifur Rahman**, Joseph R. Loring professor of electrical and computer engineering at Virginia Tech, the USA on 4th August 2020 using Cisco Webex with a total participation of 126. The second webinar focused on “**Dynamic Estimation And Control Of Power System**” by **Prof. Bikash C Pal**, Professor, Department of Electrical and Electronic Engineering, Imperial College London, London, the U.K on 20th August 2020 with 106 participants.

WIE Affinity group of IEEE Kolkata Section organized an online session with a psychiatrist and a career counselor to address the needs of the students in these distressing times as well as to provide a platform to them to discuss their career-related questions. The event was targeted at students of class XI, XII- and first-year undergraduate students. Students from Lady Brabourne College, Bethune College, Auxilium Convent, Techno India Group Public School Hooghly, to name a few had participated in the event. The total number of participants was 100.

The session on "**Pandemic Effect on Teenagers: How to deal with it**" by Dr. Aratrika Sen, Psychiatrist dealt with the need to stay positive at this hour. and also discussed the importance of sharing the thoughts and feelings to the parents, friends, and closed ones in this distressing hour. The one-hour long session ended with a Q/A section by students, parents, and members.

The second interactive session was with Mrs. Sujata Chatterjee, Career Counselor. She insisted students to stay focused on their goals and advised them not to lose hope during the pandemic times. She stressed on arming oneself with proper educational qualifications before taking a plunge into the professional world. The talks were successful as was evident from the endless questions from the attendees.

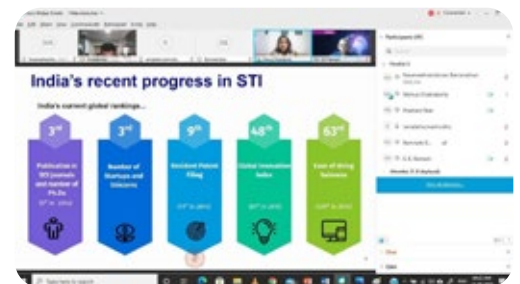


IEEE Madras Section Activities

IEEE SSIT Madras Section & IEEE YESIST12 have partnered with Science Policy Forum and STIP 2020 Secretariat under the Ministry of Science & Technology of Government of India for a consultation meeting towards formulating National Science, Technology & Innovation Policy (STIP) 2020 on the theme, “Industry Engagement to engineer the future: Role of professional associations” on 12 September 2020. This represents the engagement and participation of IEEE in the public policy formulation framework of the Indian government.



The keynote address was delivered by Prof. S. K. Ramesh, Ph.D., Fellow IEEE; ABET Board of Directors; 2016-2017 IEEE Vice-President Educational Activities and Professor of Electrical and Computer Engineering & Director AIMS2 Program, California State University, Northridge, USA. Dr. S.K. Ramesh is also a 2021 IEEE President-elect candidate. In terms of policy interventions, he sought a linkage of Indian professional bodies to accreditation agencies in India. Having held several volunteering positions in both IEEE and ABET accreditation agency in the USA, he said that such linkages have dramatically improved the quality of education and employability of graduates. This linkage through policy initiatives would benefit India based on his IEEE experiences as a volunteer and academic experience as a professor at a premier university in the USA. He also shared best practices at his university to deepen industry-academia engagement such as tech-fest, project showcase, and Industry Liaison Committee (ILC).

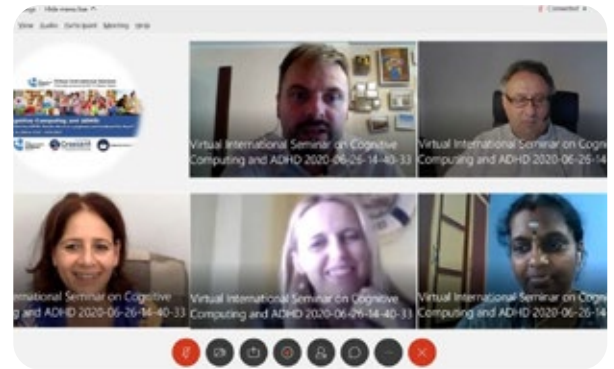


Dr. Mohua Chakraborty Choudhry, DST STI Policy fellow from STIP 2020 secretariat of the Government of India provided an overview of the Indian national STIP 2020 policy formulation process and highlighted various ways and means for professionals from universities, industry, and civil society to contribute to this data-driven, participatory and inclusive policy formulation process for India. She highlighted various activities like policy compass, open letter, and ideation for Indian and Indian diaspora IEEE volunteers and OUs to contribute to. Dr. Ramalatha Marimuthu, Chair, IEEE YESIST12, and member of the board of governors of the IEEE Computer Society warmly welcomed the consultation meeting and provided an overview of YESIST12 activities. Prominent IEEE volunteers who participated in the deliberations of the consultation included Mr. H.R. Mohan, former Vice-chair of the IEEE Madras Section, and Dr. T.V. Gopal, Professor of Computer Science & Engineering, Anna University, Chennai.



The event which saw vparticipation of 100+ participants was moderated by Prof. Prashant R. Nair, Editor, IEEE R10 newsletter & Associate Professor, Amrita Vishwa Vidyapeetham, Coimbatore, India and Prof. Navaneethakrishnan Ramanathan, Chair, IEEE SSIT Madras Section & YESIST12 Maker fair & Assistant Professor, Kumaraguru College of Technology, Coimbatore, India. Dr. J.N. Swaminathan, QISCET, Andhra Pradesh; Mr. Ramneek Kalra, IEEE Impact creator; Ms. Kanya Johar, student member, and Ms. Bismannjit Kaur, mentor, WIE AG, all from the IEEE Delhi section coordinated the event.

The IEEE Computational Intelligence Society (CIS) Madras Chapter in association with the Department of Computer Application, BSAR Crescent Institute of Science and Technology in Chennai, India, and the Institute of Psychology, Humanitas University in Sosnowiec, Poland has organized a Virtual International Seminar on “Cognitive Computing and ADHD: My child has ADHD. How to discover symptoms and treatment for them?” on June 26, 2020. The seminar aims to provide information about Attention-Deficit/Hyperactivity Disorder for parents, academics, researchers, and common people who would like to know about ADHD as a neurobehavioral disorder. The event included four talks on ADHD by four renowned international personalities, Pawel Dobrakowski, M.D., Specialist in Neurology from Humanitas University in Sosnowiec, Poland; Matthias Rauterberg, Professor in Designing Interactive Systems from Eindhoven University of Technology, Netherland; Judit Balazs, Professor in Child Adolescent and Adult Psychiatrist from Eötvös Loránd University, Hungary; and Silvana Markovska-Simoska, M.D., D.Sci., Professor in Neurophysiology from Academy of Sciences and Arts of North, Macedonia; with the opening remark by Dr. N Kumarappan Chair IEEE Madras Section and CIS Madras Chapter. The seminar involved 163 participants from four continents and 15 countries in South-East Asia (12.88%), South Asia (64.42%), West Asia (0.61%), and Europe (21.47%). Overall, participants were from various domains including Government and Public Services (3.68%), Health Care (20.86%), Education (57.67%), R&D (3.68%), Consulting (5.52%), Information Technology (4.29%), and others (4.29%).



IEEE Pune Section Activities

The Pune Section Students Young Professionals Women in Engineering Congress (PSYWC 2020), the flagship event of the Pune Section was organized from 15th September 2020 to 20th September 2020. The flagship event of the IEEE Pune Section has been a colloquium that brings together youth to the successful professionals and experts who endows their ideologies and success mantra to the youngsters. Congress was envisioned to provide its members with a platform where one can avail of many dynamic career opportunities, weave a path to connect with academicians, scholars, and entrepreneurs from diversified fields and rewarding experience of blending cultures. PSYWC 2020 was hosted by 10 student branches of IEEE PUNE SECTION with 1300 delegates and volunteers. The 5-Day congress had different professionals converging under one roof sharing their amazing experience and insights on diversified topics to the audience.

IEEE Pune Section and IEEE Student Branch of JSPM's Jayawantrao Sawant College of Engineering, Pune Jointly organized a webinar on the topic "Device Engineering Challenges for Nanoscale VLSI Circuits" on 5th September 2020. The Guest Speaker was Dr.G.C.Patil, Assistant Professor at the Center for VLSI and Nanotechnology at Visvesvaraya National Institute of Technology, Nagpur. Later Prof. T. S. Mote, Coordinator for the event welcomed all the panelists, resource persons, faculty members, and participants and an opening note was delivered by Dr.Rajendra Kanphade (Principal, JSPMs JSCOE, Pune).



Dr.G.C.Patil in his research talk explored topics such as design complexity, Integration technologies, the evolution of semiconductor ICs, Transistor design for 90 nm process, scaling, Bulk MOSFET scaling, scaling challenges, device engineering, future devices, and Technology innovation. Dr.G.C.Patil highlighted how students can discover their interest in topics like Nanoscale VLSI Circuits and EDA utilization. Later, Prof.Tushar Mote presented the IEEE Pune section awards and shared his insights about how research scholars, UG and PG students can apply awards. Dr.Amar Buchade (Secretary, IEEE Pune section) in his vote of thanks appreciated Dr.G.C.Patil, Resource person from VNIT Nagpur for his tireless and informative session on Device Engineering Challenges for Nanoscale VLSI Circuits. He thanked Mr.Girish Khilari, Chair, IEEE Pune section; Dr.R.D.Kanphade, Principal, JSPM's JSCOE; Prof.G.S.Mani, Past Chair, IEEE Pune section; Dr.Sunil Somani, Chair, Communication Society, IEEE Pune Section, all faculty members, Research scholars, ME and BE student participants. A total of 150 participants were witnessed.



A webinar on “ Career guidance” was organized by the AISSMS Institute of Information Technology on 20th August 2020. Ms. Amolika Bhonsle, alumna -2014 was the keynote speaker for this webinar. The speaker shared her experience and insights about her undergraduate and post-graduation. All those experiences enriched students of note-worthy tips and tricks for students from all branches to take away.



Demonstrator, an idea presentation competition was organized by the MMCOE IEEE Student Branch from 12th July 2020. The competition witnessed 36 teams each with 3members. There were three rounds in which the participants were expected to submit a paper about their idea, that explained the problem statement, domain, scope of the idea, the system architecture involved, the software and hardware requirements for the same, and the expected outcome.



A tribute to Digambar Madhav Tagare: The Pioneer Of Capacitors Industry In India

Mr. Digambar Madhav Tagare was born on 10th January 1924. He completed Bachelors of Engineering (Electrical) in 1946 and Bachelors of Engineering (Mechanical) in 1947 from Government College of Engineering Pune. He received a government scholarship to complete post-graduation from the University of Michigan, Ann Arbor (USA) where he Completed MSE (Electrical) in the year 1949. He was nominated to become a member of the prestigious Sigma Xi in 1949. In the USA after his post-graduation, he worked in Brown Instrument Co. Phil 1949, RCA, Camden, NJ 1950, and Caltex oil co. Cathodic Protection Programs with Texas Pipeline co. in 1958. Later on Worked as a Corrosion Control Specialist for the Caltex Group of Oil Companies where he carried out electrolysis surveys, Applying / Verifying Cathodic protection, and training local engineers on this program. During his work as Corrosion Control Specialist, he visited Bombay, Madras, Cochin, Calcutta from India, Karachi from Pakistan, Manila, Cebu & Davaho from the Philippines, Aden from Aden Protectorate, Djibouti from Somaliland, Egypt. After gaining so much experience in the field, he wrote a book on Cathodic Protection & Corrosion Control in 1960. Pune Section would like to extend heartfelt condolences to him and strives to honour his legacy.

Call for Nominations: 2020 IEEE India Council Awards

In order to recognise the dedicated efforts of IEEE Volunteers IEEE India Council, the call for nominations of 2020 IEEE India Council Awards [administered by IC Awards Committee] is open for the following awards. The Call for Awards document can be found here: <https://tinyurl.com/icawardsdoc>

1. Outstanding Volunteer Award

- a. IEEE Volunteer (Age greater than 35)
- b. IEEE Volunteer (Age equal to and below than 35)
 - i. Outstanding Student Volunteer
 - ii. Outstanding WIE Volunteer
 - iii. Outstanding YP Volunteer

2. Outstanding Student Branch Award

- a. Outstanding Student Branch
- b. Outstanding Upcoming Branch

3. India Council Outstanding Industry Award

- a. IEEE IC Technologist of the Year 2020
- b. IEEE IC Women technologist of the Year 2020
- c. IEEE IC Technology Start-up of the Year 2020

4. India Council Leadership Awards

- a. India Council Lifetime Achievement Awards for IC Chairs
- b. India Council Leadership Awards for Section/Subsection Chairs

5. WIE Awards

(In association with HOPE Foundation)

(announcement will be done separately by Dr Rajashree Jain, VC-SAC.)

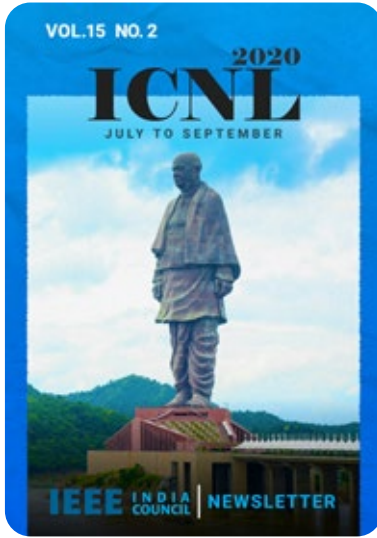
- a. Best Outgoing Female Student (from Faculty of Science / Technology / Engineering)
- b. Best Women Engineer / Scientist / Technocrat (Working Professional -Early Career Stage)

For the last two awards (3. India Council Outstanding Industry Award and 4. India Council Leadership Award), please send nomination or self-nomination to Prof. K. V. Srivastava (kvs@iitk.ac.in) with copy to Dr. Preeti Bajaj (preetibajaj@ieee.org) and Mr. Vamsi Krishna J (vamshikrishnaj@ieee.org).

Prof. Kumar Vaibhav Srivastava
Vice Chair Awards –IEEE India Council 2020
Email: kvs@iitk.ac.in



About Cover



The Statue of Unity is built in dedication to Sardar Vallabhbhai Patel, The Iron Man of India who served as the first home minister of Independent India. Situated on the beautiful Narmada river confronting the Sardar Sarovar Dam, the Statue of Unity is a patriotic symbol of the legacy of a man who spent his life in the struggle for freedom. This 182 meters tall sculpture designed by Padma Bhushan and Padma Shri recipient Ram V. Sutar started off in October 2014 by Larsen & Toubro and was inaugurated by the prime minister Narendra Modi on 31st October 2018, the 143rd birth anniversary of Sardar Patel. Approximately 6500 tons of steel, 90000 tons of concrete, 25000 tons of iron, and 1850 tons of bronze, worth of 3000 crores INR were used. Sardar Patel, also called the Bismarck of India, is one of the most powerful lawmakers of India. As a mark of respect, the statue is located at his birth town in Gujarat. Sardar Patel is credited with uniting the British colonial provinces and 565 self-governing princely states in pre-independent India to build the Republic of India successfully. In recognition of his commitment to the National integrity, his statue has been called a Statue of unity. Therefore, ICNL and ECIM decided to feature this colossal monument on the Vol. 15 No. 3 cover as a reckoning call that all of us have to stay united in every situation and promote national peace & integrity. This picture was taken by Mr. Swar Patel. Swar is an alumnus of the IEEE ADIT Student Branch of the IEEE Gujarat Section & is currently pursuing his Masters in Electrical & Computer Engineering from the University of Windsor, Ontario, Canada.

Contact Us

For Section related queries:

SECTION	WEBSITE	SECTION CHAIR	E-MAIL ID
Bangalore	http://ieeebangalore.org/	Er. Puneet K Mishra	mishra_puneet@ieee.org
Bombay	http://ieeebombay.org	Dr. Suryanarayana Doolla	suryad@iitb.ac.in
Delhi	http://ewh.ieee.org/r10/delhi	Dr. Prerna Gaur	prernagaur@yahoo.com
Gujarat	http://ieeegujaratsection.org	Prof. Manik Lal Das	maniklal@gmail.com
Hyderabad	http://www.ieeehyd.org/	Dr. Amit Kumar	dramit.kumaar@gmail.com
Kerala	http://www.ieeekerala.org/	Er. Sarada Jayakrishnan	sarada.jk@ieee.org
Kharagpur	https://site.ieee.org/kharagpur/	Dr. Debarati Sen	debarati@gssst.iitkgp.ernet.in
Kolkatta	http://ewh.ieee.org/r10/calcutta/	Er. Sanjay Kar Chowdhury	sanjay.chowdhury@rpsg.in
Madras	http://site.ieee.org/madras/	Dr. N Kumarappan	kumarappan.ieee@gmail.com
Pune	https://ieeepunesection.org/	Er. Girish Khilari	gkhilari@hotmail.com
Uttar Pradesh	http://www.ieeeup.org/	Dr. Asheesh K Singh	asheesh@mnnit.ac.in
Vizag Bay	https://site.ieee.org/vizag-bay/	Mr. Lakshminarayana S	sln@ieee.org

To reach out to ECIM team, Contact us at:



<https://site.ieee.org/indiacouncil>



IEEE India Council



ic-ecim@ieee.org