Message from Chair, IEEE Pune Section

Dear IEEE Members,

Wishing you and your family good health, success and happiness in 2020.

As I come to a close on my tenure as the Section chair, I would like to thank each one of you, specially the Excom team and the office bearers for their excellent support over the last two years. I would also like to thank TCS and my top management for supporting me and enabling my efforts true to the Tata group philosophy. I am sure we will continue to work as a team in a hyper collaborative way and take the Pune section to greater heights.

It was good to see Pune section transitioning into a medium section and at the same time getting the recognition for the high impact work we have done aligned to the mission of IEEE of Advancing Technology for humanity with the local context. I would like to congratulate each one of you for the same.

Pune as a city has a significant role to play in nation and community development as a knowledge and innovation hub and will benefit significantly from the growing presence of IEEE Pune section. It is important that we grow our member strength in the industry and research establishments develop a much stronger eco system as we transition into society 5.0.

Personally and professionally the role of chair-man and participation as volunteer has been an enriching experience. In this journey, I have met some wonderful people with amazing experiences and expertise and I hope those relationships will continue to benefit all of us.

I thoroughly enjoyed leading the IEEE Pune Section as Chair and wish to welcome Mr. Girish Khilari, new Chair to take on the responsibility to take Pune Section to newer heights. Wishing you all the best for 2020 and beyond.

Best regards,
Dinanath Kholkar
Chair, IEEE Pune Section (2018-19)

Editor’s Note

Dear Friends,

Greetings!!!

When faced with challenges and failures, embrace risk and raise the bar. Never know - it may get you to realize your true potential. We at IEEE Pune section work with the same attitude, continuously keep on raising the bar and creating new bench marks for ourselves. In just a decade’s time and with a blink of eye the section has covered a journey from medium section to large section. This is an exemplary demonstration of team work and IEEE Pune section is grateful for the incredible contribution by each member. I am delighted to present the newsletter for 4th quarter of the year and would proudly like to mark it as a quarter of leap and growth.

In this quarter, we witnessed the result of consistent and concerted efforts of many passionate souls, their magnificient planning and diligent execution by many involved and dedicated members. With lots of boost and vigor we hosted our flagship annual conference PuneCon and announced various categories of awards of IEEE Pune Section, along with all our preplanned activities. We celebrated International IEEE Day with a commitment to stay on the course of building an inclusive, sustainable and scalable eco-system. This newsletter also presents the list of IEEE Pune Section distinguished speakers.

The prime objective is to involve maximum number of students and professionals in Pune Section’s activity so as to pass maximum benefit to the member community and keep them abreast with technology. Hence, all our activities and endeavors are aligned towards the same.

Best regards,
Neha Sharma
Editor, IEEE Pune Section Newsletter
Credenz: Technical Festival
20-22 September 2019, PICT IEEE Student Branch Pune

CREDENZ is an annual technical festival organized by the P.I.C.T. IEEE Student Branch (P.I.S.B.) at the Pune Institute of Computer Technology, Pune. This year, the 16th Edition of Credenz event was held from 20th September 2018 to 22nd September 2019. P.I.C.T. IEEE Newsletter Group (P.I.N.G.) released its Issue 15.1 at the Inauguration ceremony. The team conducted a total of 15 events such as B-Plan, Clash, Contraption, Cretronix, Enigma, NTH, Pixelate, Reverse Coding, Wall Street winner, Web Weaver, Quizzes, Business plan, Roboliga. Each event focuses on a specific domain in the technical field. Students from the engineering colleges participated in all the events.
IEEE Day: Volunteer Training
1st October 2019, Symbiosis Institute of Computer Studies and Research, Pune

The student branch Symbiosis Institute of Computer Studies and Research celebrated IEEE day and conducted volunteer training on 1st October, 2019.

Project Demonstration
4th October 2019, College of Engineering, Pune

Project demonstration by the students of all the students of IEEE Affordable Agriculture Lab Projects was organized at Bhau Institute, COEP Campus on 04 October 2019. There was also a presentation by Digital Impact square – A Social Initiative by TCS.
IEEE Execom was held on 05 October 2019 at Institute of Engineers, Pune. Execom celebrated the awards won by IEEE Pune Section in recent past. It was indeed a proud moment and Chairman congratulated the Team IEEE Pune section and thanked all those who have supported and guided us. Here is the list of awards won by the Pune section:

- R10 Outstanding Medium Section Award
- R10 Best Membership Growth Medium Section Award
- R10 Humanitarian Technology Activities Outstanding Section Award:
- R10 Outstanding Volunteer Award: Dr. Rajesh Ingle

IEEE Computer Society Pune section has organized two sessions on 17 Oct 2019 at MCCIA Trade Tower.

1. Role of Computer Society in Engineering Education by Dr. Rajesh Ingle, Chair, IEEE Computer Society, Pune Chapter.

2. Adaptation of Enjoyment in Learning through Gamification by Dr. Fakhrul Yusoff, IEEE Computer Society, DVP Speaker from Department of Computer and Mathematical Science (FSKM), University Technology MARA (UiTM), Malaysia

Felicitation of Award and Recognition Committee member and IEEE Computer Society, MGA, Mr. Shivam was felicitated.
Workshop on VLSI Design using Verilog HDL 17 Oct 2019 at JSCOE, Hadapsar. The speaker for this workshop was Mr P R Sivakumar, CEO Maven Silicon

GMRT as IEEE Milestone
24th October 2019, NCRA

On the spree to make NCRA’s Giant Metre wave Radio Telescope (GMRT) as IEEE milestone, there was a visit of Mr. Harish Mysore and Mr. Dinanath Kholkar to meet NCRA Director, Dr. Yashwant Gupta on 24th October, 2019.

National Centre for Radio Astrophysics, TIFR NCRA, a center of the school of natural sciences of the TIFR, has set up a unique facility, the Giant Metrewave Radio Telescope for radio astronomical research at metre wavelengths. GMRT is a very versatile instrument for investigating a variety of radio astrophysical problems ranging from nearby Solar system to the edge of observable Universe.
Exhibition on Affordable Agriculture

07-08 November 2019—Hatoda, 08-09 November 2019—Kerwadi

SIG AA has organized exhibitions on affordable agriculture at our two project sites as per below schedule:

Hatola (Taluka Ambajogai, Dist Beed) 7th and 8th November
Kerwadi (Taluka Gangakhed, Dist Parbhani) 8th & 9th November

NGO Swapnapbhoomi is one of our partners in affordable agriculture initiative. This NGO started as an orphanage by Suryakantji Kulkarni and his wife, and now has evolved into various social transformation enabling sub units. Work that Suryakantji has done is unbelievable. He is an architect Pune’s most popular inter college competition, Firodiya karandak.

It was indeed a great inspiration to see the work on the ground.

The walls of the orphanage have been painted by the kids along with one of the donor artists
Exhibition on Affordable Agriculture (Cont.)
07-08 November 2019 – Hatoda, 08-09 November 2019-Kerwadi

The walls of the orphanage have been painted by the kids along with one of the donor artists

Mr. Suryakant Kulkarni addressing the gathering

our volunteers Harish Taru who is also official photographer and film maker for the event, explaining to the kids how camera works.
Industry Relation Committee of IEEE R10 supported the travel of Mr. Aditya Baradkar (3rd Year, Instrumentation), a student member from AISSMS-IoIT to attend IEEE R10 Humanitarian Technology Conference 2019 on "Advancing Sustainable Green Technologies for Humanities" at Depok, Indonesia from 12-14 November 2019.
Conference on Returning Mothers

November 2019, Shri Venkateswara Engineering College, Bengaluru

Dr. Rajshree Jain, Treasurer, IEEE Pune Section attended a conference on “Returning Mothers” as author, speaker, panelist and advisory board member at Shri Venkateswara Engineering college Bengaluru.

WiE Conclave

23 November 2019 at Tarawade Clarks Inn Hotel, Pune.

WiE Conclave was organized by WiE Affinity Group, IEEE Pune Section on 23 November 2019 at Tarawade Clarks Inn Hotel, Pune. The speakers at the round table meet up were Ms. Kranti Athalye, IBM; Aparna Badkundri, Dell EMC; Anita Kane, City Data Officer, Pune MNC; Vaishali Patil, I2IT.

The group deliberated on two major issues, how WiE can contribute to recruitment and retention of women engineers secondly how organisations both industry and academia can support their employees in taking up memberships and encourage volunteering. Overall participants from 10 different organizations participated (IBM, Raisoni, ISquareIT, PCCOE, SICSR, TCS, Vodafone, Thoughtworks, Dell, MMCOE, Cummins etc).
IEEE Sight Week Celebration
30 November 2019, Samparc Balgram Bhaje

IEEE SIGHT project site visit to Samparc Balgram Bhaje on 30 Nov 2019, and SIGHT Week celebration

Dr. Surekha Deshmukh represented Power and Energy Society Chapter - IEEE Pune Section at Macau, during R 10- PES Chapter-Chair Meet on 1st Dec 2019. She also chaired session on “Electric and Hybrid Vehicle” at 2019 IEEE PES Asia-Pacific Power & Energy Engineering Conference (APPEEC 2019), PES sponsored conference at Macau, 2nd-4th Dec 2019. She visited State of Art Lab of Internet of Things for Smart City, University of Macau and witnessed wonderful work in energy sector.

IEEE PES APPEEC 2019
2-4 December 2019, Macau
IEEE Pune Section has organized a 3 day Farmers Training Program on Sustainable Affordable Agriculture in Horticulture Department of Government Agriculture College, Pune from 06-08 December 2019. The chief guest of the inauguration function of the workshop was Shri Ratnakar Gaikwad, Former Chief Secretary of Maharashtra, who launched Special Interest Group on Affordable Agriculture (SIG AA) website. Besides, the workshop had amazing set of experts sharing their knowledge and experience and making it very interesting and interactive. The objective was to address critical problems like “Farmer deaths due to electric shocks and no proper means to indicate the risks” and identify the solutions that are simple and frugal.
IEEE PuneCon 2020 was jointly organized by IEEE Pune Section and MIT WPU from 18-20 December 2019. Dr. Jayram Khilari inaugurated pre-conference day on 18 Dec 2019. Dr. Khilari has done a profound study in micro nutrients and hormones, and very well known as Grape Scientist all over India. Since 35 years he is continuously working in R&D of viticulture in Maharashtra. Mr. Jagdish Chaudhary, Head-Special Initiatives (Analytics & Insights) conducted the workshop on “Affordable Agriculture”, which was highly appreciated by the participants. There were two parallel workshops on “Electric and Hybrid Electrical Vehicle” by FEV India and “Machine Learning and Deep Learning” by Mathworks.

The conference was inaugurated on 19-Dec 2019 at the hands of Mr. Ananth Krishnan, EVP and CTO, TCS. After that, Mr. Milind Patre delivered presentation on better lives - health and wellbeing.

Day-3 started with excellent lecture by Dr Suresh Borkar, Professor at Illinois Institute of Technology, Chicago, USA on “5G Technology Applications”. It was very informative and educative talk and attracted many good questions from the attendees, which were brilliantly replied. Valedictory was then Conducted with Dr Sonawane, HOD Instrumentation, COEP as Chief Guest. Prof Khurjekar summarized the activities of 3 days and Dr Somani proposed Vote of Thanks.
SIG AA has published a book covering the success stories of farmers and entrepreneurs from agriculture domain. It was an honor to present first few copies to our mentors like Mr Kohli and Mr. Tagare and take their blessings for the formal release of our SIG AA publication on Shashwat Sheti. Mr. Kohli was highly appreciative of the work done by IEEE Pune section and all those who have joined hands to drive this project.
# Distinguished Speakers from IEEE Pune Section

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<tr>
<th>Name</th>
<th>Topic</th>
<th>Duration</th>
<th>Weblink of Speaker</th>
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<tr>
<td>Dinanath Kholkar</td>
<td>Preparing yourself for Industry 4.0</td>
<td>45 min</td>
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<td>Dinanath Kholkar</td>
<td>Role of Data, Analytics and AI in social transformation</td>
<td>45 min</td>
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<td>Rajesh Ingle</td>
<td>Research and Ethics in engineering research</td>
<td>45 min</td>
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<td>Rajesh Ingle</td>
<td>AI for Heathcare</td>
<td>45 min</td>
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<tr>
<td>Rajesh Ingle</td>
<td>IoT and Blockchain Standards</td>
<td>45 mins</td>
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<tr>
<td>Rajshree Jain</td>
<td>Nature based algorithms as Optimization techniques one hour</td>
<td>1 hour</td>
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<tr>
<td>Rajshree Jain</td>
<td>Business Model workshop</td>
<td>3-5 hours</td>
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<tr>
<td>Mandar Khurjekar</td>
<td>Bio Instrumentation and Advance sensors For IOT and WSN</td>
<td>1-2 hours</td>
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<tr>
<td>Neha Sharma</td>
<td>Bells and Whistles of Data Science</td>
<td>3-5 Hours</td>
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<tr>
<td>Neha Sharma</td>
<td>Unchain the Block Chain</td>
<td>3-5 Hours</td>
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<tr>
<td>Neha Sharma</td>
<td>Demystifying Data Mining Process</td>
<td>3-5 Hours</td>
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<tr>
<td>Amar Buchade</td>
<td>Recent trends and research issues in cloud computing</td>
<td>1-2 Hours</td>
<td><a href="https://www.linkedin.com/in/dr-amar-buchade-a8b4184/">https://www.linkedin.com/in/dr-amar-buchade-a8b4184/</a></td>
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AWARDS & ACCOLADES

Mr. Jagdish J. Chaudhari received a certificate of recognition for achieving Outstanding Member Recruitment and Retentions Performance in Pune section for 2019 membership year.

IEEE India Council Chair Lifetime Achievement Award 2019:

Prof D Doke, Pune Section received the award in person on 14th December at Marwadi University, Rajkot, Gujarat.

Outstanding Student Volunteer:

Gaurav Sonawane, Pune Section received the award in person on 14th December at Marwadi University, Rajkot, Gujarat.
AWARDS & ACCOLADES

Outstanding upcoming Branch:

Symbiosis Institute of Computer Studies and Research (STB114047, Branch Counselor—Dr Rajashree Jain)

IEEE Pune Section submitted the section activity report to IEEE Region 10 of the duration November 1, 2018 to October 2019.

During this period, total numbers of administrative meetings conducted are 34,

Total number of events (Student /Young Professionals / Women in Engineering / Humanitarian Activities /Educational Activities/professional lectures/seminars/workshops/technical activities, social activities) reported are 138.

Few of the activities are also listed at IEEE Pune Section Vtool events: http://bit.do/ieeepunesectionevents. The newsletters highlighting IEEE Pune Section activities, achievements are also available at https://ieeepunesection.org/newsletter/.

IEEE Pune section received the Highest Eligible Section Incentives i.e. $3500 from IEEE R10.
Important Contacts

Activity submission and any other: secretary@ieeepunesection.org

IEEE International and Regional Level Updates: https://ieeepunesection.org/?page_id=72

Essential Information: https://m.ieee.org/membership_services/membership/join/join_DB.html

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Chairs for Society Chapter and Affinity Groups

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<tr>
<th>Chapter</th>
<th>Chair Name</th>
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<tr>
<td>Computer Society</td>
<td>Dr. Rajesh Ingle</td>
<td><a href="mailto:ingle@ieee.org">ingle@ieee.org</a></td>
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<tr>
<td>Communication Society</td>
<td>Dr. Sunil Somani</td>
<td><a href="mailto:somanisunil@gmail.com">somanisunil@gmail.com</a></td>
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<td>Education Society</td>
<td>Prof. G. S. Mani</td>
<td><a href="mailto:gsmanihome@yahoo.com">gsmanihome@yahoo.com</a></td>
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<td>Instrumentation and Measurement Society</td>
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<td>Signal Processing Society</td>
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<td>Joint Chapter PES/IAS</td>
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<td>WIE Affinity Group</td>
<td>Mrs. Lekha Phijo</td>
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<tr>
<td>YP Affinity Group</td>
<td>Mr. Bhaskar Mishra</td>
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<tr>
<td>Section Student Representative</td>
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<tr>
<td>Co- Section Student Representatives</td>
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<tr>
<td>Membership Development</td>
<td>Mr. Jagdish Chaudhari</td>
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<tr>
<td>Student Branch</td>
<td>Dr. Pradip Mane</td>
<td><a href="mailto:pbmane6829@rediffmail.com">pbmane6829@rediffmail.com</a></td>
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<td>Conferences</td>
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<td>Industry Interface</td>
<td>Dr. Vivek Deshpande</td>
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<td><a href="mailto:sachinut@gmail.com">sachinut@gmail.com</a></td>
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<td>Mr. Girish Khilari</td>
<td><a href="mailto:gkhilari@hotmail.com">gkhilari@hotmail.com</a></td>
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<tr>
<td></td>
<td>Mr. Jagdish Chaudhari</td>
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