Editor’s Note

Dear IEEE Members,

A resplendent welcome to all, on the threshold of the new year 2018, as we bid adieu to the former one, which was indeed very enriching, adventurous and eventful year. It’s time for another relay and get-set-go for another dynamic year of academics and allied activities. Much of our focus since the time of our inception has been on achieving excellence in everything we do. Doing every time more than what is necessary, and keeping on doing it consistently. Doing everything as if it makes a difference. Always willing to take an extra effort and push ourselves beyond our normal limit, as we clearly understand that the people expect the best and if they can’t get it from us, they’ll find it elsewhere.

It gives me immense pleasure to present the last newsletter of 2017 (Sep-Dec 2017). Last 04 months were full of activities like Industrial Visits, Workshops, Seminars and Student oriented activities. We take you through each and every activity in detail in this issue of the newsletter.

I am also happy to share that Prof. G.S. Mani, Chair-2017, IEEE Pune Section has recovered fully from his critical state of health. I, on behalf of IEEE Pune Section, wish him a good health. IEEE Pune has done extremely well under his leadership. The batten has been passed to a very dynamic person, Mr. Dinanath Kholkar, Vice President and Global Head of Analytics & Insights, TCS. I wish Mr. Dinanath, Chair-2018, IEEE Pune section and his new team, all the very best.

Dr. Neha Sharma
Editor, IEEE Pune Section Newsletter
Publication Chair, IEEE Pune Section

Message from Chair, IEEE Pune Section-2017

Dear IEEE members,

As we are bidding goodbye to 2017 and welcoming the New Year, it is time for us to look back and what we, as IEEE Pune Section, could achieve in the year that has gone by. Though many of the events are getting reported elsewhere in the newsletter, I would like highlight four specific aspects. Our section got an appreciation letter and certificate for Outstanding Membership Recruitment performance from the Chair, 2017 IEEE Membership Recruitment and Recovery Committee. Our WIE Affinity Group has been selected for 2016 WIE Affinity Group of the Year Award. Our PICT Student branch got Region 10 Exemplary Student Branch Award. For the first time, our Section along with IEEE India Council have instituted two awards worth 1.5 lakhs each, thanks to sponsorship from Hope Foundation. In my opinion, this is a great step forward in IEEE’s way of motivating youngsters towards advancement of Technology.

These achievements are no small achievements, in view of the fact that our section is one of the youngest in India and the appreciations have come from International level. In all, it has been a very satisfying year and I wish to congratulate and thank each one of our IEEE members who have made this possible. I look forward for an equally exciting 2018 with rocking events. With best wishes to all IEEE members of Pune Section

Prof GS Mani
Chair, IEEE Pune Section 2017
Message from Chair, IEEE Pune Section -2018

Dear Friends,

Wishing you and your family a very happy year.

It is a great honor to take on the responsibility of the Chairperson of the Pune Section for 2018. I would like to thank all of you for entrusting me this responsibility and I will do my best in providing industry leadership and strategic directions to the section. I feel humbled to take on this responsibility in a milestone 50th year from TCS, where I work and 150th year for the Tata group.

Over the year, my focus would be to align the context of developmental initiatives at Pune & India to the IEEE vision and mission. Considerable amount of change across the industries compels us to redefine the future of work, and it is a great opportunity for IEEE Pune section to make a difference. While our student community will continue to be the focus, I will look forward to driving more industry participation and adopt some of the best practices from the industry to further our journey of Excellence.

Continuing the good work done by Dr Mani and team in 2017, we plan to create special initiatives to drive key themes in 2018. In the Digital Era, adoption of new technologies will create some exciting opportunities and challenges. Solar power, Electric vehicles, IOT, Analytics, AI, Machine Learning and many more technology advances can help us on Smart City, Affordable Agriculture, Start up India and various other initiatives. The new Execom team will look forward to your support and participation. Wishing you all the best.

Best regards,

Dina Dinanath Kholkar
Vice President and Global Head of Analytics & Insights, Tata Consultancy Services

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Career opportunities in Project Management and Cost Management for Engineers

Category of Event : Professional Connect
Day : 12th September 2017
Venue : Auditorium, PVG’s COET, Pune
Organizer’s Details : Gleeds and IEEE Young Professional Affinity Group

Brief Description of Event:
Gleeds, a UK based MNC specializing in Construction Consultancy, Gleeds UK is one of the oldest construction consultancy in the world established in 1885. Gleeds established its operations in India in 2008 and since then has grown significantly across India and has its operations in Bangalore, Pune, Mumbai, Chennai & Delhi.

Following topics are discussed with engineers:
1. Project Management
2. Programming
3. Cost Management
4. Cost Planning
5. Value Engineering
6. Tendering
7. Post Contract Cost Management
8. Cost Monitoring
9. Audits - Cost & Quality
10. Health & Safety

Details of Attendees : Total = 65
Zenith-2017

Category of Event: Technical Competitions
Day, Date: 23rd, 24th August and 15th September 2017
Venue: Multipurpose HALL and all departments, AISSMS IOIT, Kennedy Road, Near RTO, Pune
Organizer’s Details: AISSMS IOIT, Kennedy Road, Near RTO, Pune
Co-sponsor: IEEE Pune Section.

Brief Description of Theme:
To provide common platform for students of all departments of IOIT and to give wide opportunities to all students for developing their qualities various competitions were organized. Competitions were based on themes like digital India, Global warming, new technologies in industries, save earth, etc. Dr. Arvind Saligram, Registrar, SPPU, Pune was the chief guest for valedictory function.

Resource-Persons/speaker: Dr. Arvind Digambar Shaligram, Registrar, SPPU, Pune
Topics covered in short: Technical Quiz in domain of electrical, Poster on theme Digital India, Project, Model Competition, C code generation and Circuit design.
Details of Attendees: Total = 607
IEEE Members: 10
Students (UG, PG, PhD): 597
Industry Insight:
A faculty Development workshop by IBMers

Category of Event : Faculty Development Workshop
Day, Date : 15th September 2017
Venue : IBM TPO Yerawada
Organizer’s Details : IEEE WiE Pune and IEEE Young Professional

Brief Description of Theme:
A Faculty Development Program by IBMers with the aim of knowledge sharing between Industry professionals and Pune university faculties. This initiative was one more step towards IEEE Pune team’s objective and efforts to collaborate academics with Industry and bridge the gap between Academics and Industry.

Speakers:
Manjeri Dharmarajan, Director, Watson Supply Chain - Technology insights
Arpita Gudihal, HR Advisor ISL - Leadership Skills
Abhishek Marthur, Program Director, Supply Chain - E-Commerce
Sanjay Panchal, Security Key Lifecycle Manager - Security vulnerabilities in web applications
Apurva Patel, Advisory Software Engineer - Cognitive Era
Rahul Nema, Senior Software Developer Cloud Solutions - A journey through IBM Cloud

NAO ROBORT
Nao, who is currently working as a concierge at a handful of Hilton hotels, helping guests with their questions, seemed to relish the spotlight. He / She / It followed up the “Shake it Off” star turn with an enthusiastic “Gangman Style” dance routine, much to the delight of the conference guests.

Glimpses of Industry Insight

IEEE PUNE SECTION NEWSLETTER
Enhancing Employability by Young Professionals through Industry Visit

Category of Event : Industry Visit
Venue : Barclays, Hinjewadi, Pune
Organizer’s Details : IEEE Young Professional Affinity Group

Brief Description of Event:
The Young professionals of IEEE Pune Section came forward with an idea of arranging industry-visits for other young professionals. The event got planned and executed three times, allowing more than 25 engineers from in and around Pune to visit Barclays.

The visit was coordinated by Dr Surekha Deshmukh – Chair YP Affinity group and Mr Nitin Mulay from Barclays during August and September.

The purpose of this industry visit was to provide a platform for engineers to understand the need of industry and enable them to plan their action towards becoming industry-ready. The uniqueness of this visit is that it was not the routine industry-visit but the kind of competition declared amongst the participants who prove to present the expected takeaways from the visit.

The Barclays handed over a trophy to a few team members.

Resource Persons: Following team of Barclays were resource person and mentor for visit on three days.

Mr Niraj Patel
Mr Alok Khandelwal
Mr Swapnil Chatur
Mr Deepak Malshe

Details of Attendees : Total = 25

Cyber Security Workshop

Category of Event : Workshop
Day : 23rd Sept 2017
Venue : Conference Hall, PVG’s COET, Pune
Organizer’s Details : Gleeds and IEEE Young Professional Affinity Group

Brief Description of Event:
The workshop contained all required information as basics of CIA principle, the importance of cyber security and awareness regarding the cyber attacks and viruses.

Topics such as Kon-Boot, CMD attack, Phishing and Social Engineering toolkit, basics of online and offline game, passwords and password cracking tools, Compression Algorithm, types of Viruses, Zip Bomb, Fork Bomb, Logic Bomb, Anti-virus codes in command prompt (cmd), loopholes in Windows, etc. were demonstrated.

The second session was initiated with an introduction to Kali Linus OS. It included installation of Kali Linux OS by either of the two methods soft boot or hard boot. The participants were told to execute some of the programs related to wifi password, wifite, wifi-phishing, etc. Wireless air attack programs such as airgeddon, aircracking were discussed. Various other dynamic frameworks such as Katana, Hakku were discussed.
Penetration testing and website vulnerability analysis programs as such Nikto, N-map, sqlmap etc. were also presented. The session was concluded with Fluxion Master Framework program.

Details of Attendees : Total = 45
Technology Dissemination Contest for Students (TDCS—2017)

Technology Dissemination Contest for Students (TDCS - 2017) was organized by Zeal College of Engineering on 30th December 2017. 06 groups of students have participated in the contest and presented their work. The evaluators for the contest were Mr. Khurjekar M. J.,( Vice Chair, Pune Section), Mr. Jagdish Chaudhary (Senior Member, IEEE), Dr. Deepa Ramane (Head, Department of Electronics, Sinhgad institute of Science), Ms. Trupti Jaliminche (Software Engineer, Infosys) and Prof. Abhijit Khurape. All the office bearer and members of Education Society were present as volunteers. All the participants had a great learning experience from the contest.

Late Shri Pralhad P Chhabria Award

Late Shri Pralhad P Chhabria Award

PRESENTED BY
Hope Foundation and Research Centre (Hope Foundation) – A Project by Finolex

IN ASSOCIATION WITH
The Institute of Electrical and Electronics Engineers, India Council and Women in Engineering Affinity Group, IEEE Pune Section
**Facts and Figures**

IEEE’s worldwide membership at the end of last year reached a record high of 429,085. That represents an increase of 13,096, or a little more than 3 percent as compared with 2011.

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**Global Reach of IEEE**
Annual General Meeting 2017

The AGM started with a welcome address by Prof G S Mani, Chair, IEEE Pune section 2017. Dr. Rajashree Jain, Secretary, IEEE Pune Section 2017, presented the annual report for the year 2017, followed by annual reports/presentations for the year 2017 by the respective chapters/activities Chairs.

Pune based Hope Foundation, an initiative of Finolex Group announced “Late Shri Pralhad Chhabria Awards” in association with WIE AG, IEEE Pune section and IEEE India Council. In this regard, on behalf the section members Chair, G S Mani felicitated Mrs. Aruna Katara, President, Hope Foundation and Dr. Vaidehi, Faculty member, IIIT, Pune. Mrs. Aruna Katara shared her insights and objectives in setting up this award. Dr. Vaidehi shared the details of the process of application for the awards.

WIE AG team conducted WIE International summit in the year 2016. The summit in itself was a success story in multiple ways. The summit was organized by WIE AG Pune in association with WIE Global. The summit had attracted more than 150 participants including speakers, delegates and volunteers. To appreciate the relentless efforts of the core committee members, section members felicitated the team members with a token of appreciation.

Dr. Surekha Deshmukh, Treasurer, IEEE Pune Section presented the finance report for the year 2017 and Mr. Mandar Khurjekar, Vice Chair, IEEE Pune Section proposed vote of thanks.
Chair, G S Mani felicitated Mrs. Aruna Katara, President, Hope Foundation and Dr. Vaidehi, Faculty member, IIT, Pune.

IEEE Pune Section Slate for Year 2018

On behalf of the Chair, Nomination Committee, Dr. PK Sinha, Dr. Rajesh Ingle presented the slate for the year 2018.

The slate for the year 2018

Chair – Mr. Dinanath Kholakar
Vice Chair - Mr. Girish Khilari
Secretary - Dr. Rajashree Jain
Treasurer - Dr. Surekha Deshmukh

IEEE PuneCon 2018

IEEE PuneCon 2018 aims to elicit qualitative research work in the area of Data Science and Analytics. The conference is organized by IEEE Pune Section and Symbiosis Institute of Technology, Pune in Dec 2018. The conference will be forum for academicians, industry and researchers of International repute for intellectual exchanges. The conference invites original submissions and idea posters in the domain. The selected and the presented papers will be submitted to IEEE Xplore and will be indexed in the databases like Scopus. The closing date for submissions will be May 2018.

Call for Papers

Date: 05-06 December 2018

For any further details and queries: Email: iieepunecn2018@gmail.com
Mobile: 8378972316 (Dr. Swati Aahirrao)
Awards and Accolades

Highlights of the thoughts of Mr. Dinanath Kholkar, Chair Elect, 2018

1. Alignment of Pune context with IEEE vision and mission
2. Continuity from the past and sustainability in the future
3. Student community to remain as a big focus area
4. Enhance industry participation
5. Create special initiatives to drive key themes
6. Three years horizon view and 4 quarter execution view