

IEEE Pune Section 2017

A.1 Executive Summary – (Please follow the format given below)

- **Section Executive Committee Member List**

IEEE Pune Section Executive Committee (EC) comprises of the following members

Section communicates with its members through E-mails, E-notices and through regular updates on the section website: <https://ieeepunesection.org/>. The section executive committee meetings were held regularly and have helped in a smooth administration of section activities.

Sl No	Name	Office/position
1	Prof. G. S. Mani	Chair, IEEE Pune Section
2	Prof. Mandar Khurjekar	Vice-Chair, IEEE Pune Section
3	Dr. Rajashree Jain	Secretary, IEEE Pune Section
4	Dr Surekha R Deshmukh	Treasurer, IEEE Pune Section 2017/ Chair YP Affinity Group
5	Dr. P K Sinha	Immediate Past Chair, 2016
6	Dr D J Doke	Chair, PES/IAS Chapter 2017/Past Chair IEEE Pune Section
7	Dr. Bharat Chaudhary	Communication Society Chapter 2017 /Past Chair, IEEE Pune Section
8	Dr Rajesh Ingle	Chair, Conference Committee/Past Chair, IEEE Pune Section
9	Dr. Avinash Joshi	Past Chair, IEEE Pune Section
10	Dr. Vijay Bhatkar	Permanent Invitees
11	Mr. D M Tagare	Permanent Invitees
12	Dr Surendra Pal	Invited Member
13	Mr.. Arun Bahulkar	Invited Member
14	Mr. Dinanath Kholkar	Invited Member
15	Prof. Rupali Kamthe	Signal Processing Society Chapter
16	Mr. Gorakhnath Gadge	Computer Society Chapter
17	Dr.S L Patil	Instrumentation & Measurement Society Chapter
18	Dr. Vivek Deshpande	Education Society Chapter
19	Ms Lekha Phijo	Chair WIE AG
20	Mr. Girish Khilari	Industry Relations
21	Dr Yogesh Dandawate	Membership Development
22	Dr. Pradip Mane	Student Activity
23	Dr, Neha Sharma	Website and Newsletter
24	Mr. Sachin Shelar	Member
25	Dr. Y P Nerkar	Member
26	Dr. Anil Tavildar	Member
27	Dr Kalyani Joshi	Member

28	Mr. Nilesh	Web Master
29	Mr Sandeep Deshmukh	Member

Excom Meetings

In all 11 EC meetings were conducted. For the first time the section held one of its meetings online. The Minutes of all meetings held were circulated to the EC Members and duly approved.

Executive Meetings held during 2017

SI No	Date and Time	Venue
1	28 Jan 17; 7.00PM to 8.00PM	IEI Pune Local Center, Pune
2	25 Feb 17 ; 11.30AMto 1.30PM	Zeal Education Society Campus, Narhe Pune
3	25 Mar 17; 7.00PM to 8.00PM	IEI Pune Local Center, Pune
4	22 Apr 17 : 7.00PM to 8.00PM	IEI Pune Local Center, Pune
5	28 May 17; 10.00AM to 11.00AM	Online WebEx
6	16 Jun 17 ; 5.30Pm to 6.30PM	AISSMS IOIT, Pune
7	29 Jul 17 7.00PM to 8.00PM	Hotel JM Four, Pune; sidelines of PES /IAS DL
8	25 Aug 17 7.00PM to 8.00PM	IEI Pune Local Center, Pune
9	4 Sep 17 ; 7.00PM to 8.00PM	IEI Pune Local Center, Pune
10	19 Nov 17; 1130AM to 12.30PM	IEI Pune Local Center, Pune
11	29 Dec 17 ; 6.00Pm to 7.00PM	Deccan Rendezvous, Pune
12	29 Dec 17 ; 7.00Pm to 8.00PM Section AGM	Deccan Rendezvous, Pune

Special Meetings help during 2017

SI No	Date and Time	Agenda	Venue
1	25 Mar 17; 3.00PM to 6.00PM	Strengthening Industry relations with TCS Members in Attendance: Chair, Vice Chair, Secretary and TCS team	TCS Sahyadri Campus, Pune
2	22 Feb 17 ; 3.00PM to 4.00PM	Strengthening Industry relations Attendance: Section Chair and Secretary and TCS team	Tele Meeting with TCS team
3	9 Jun 17 : 6.00Pm to 7.00PM	With Section Students Members in Attendance: Chair, Secretary, and Student representatives	Wadeshwar, FC Road, Pune
4	16 Jun 17 ; 2.00PM to 3.30PM	With Pune Connect : NDLM initiative Members in Attendance: Chair, Vice Chair, Chair, Students Activity and SB Mentors, Team Pune Connect	AISSMS IOIT, Pune
5	19 Jul 2017 3.00PM-4.30 Hrs.	Strengthening Industry relations with IBM Pune Members in Attendance: Chair, Secretary, Chair, WIE AG, Team IBM	SICSR, Model Colony, Pune

• Section Highlights

Formed in the year 2010, IEEE Pune Section has a membership of about 1500 members. The section comprises of six Professional chapters

1. Signal Processing,
2. Communications,
3. Instrumentation& Measurement,
4. Computers,
5. PES/IAS and
6. Education

There are about 22 active Student Branches in different Engineering Colleges of Pune. There are two affinity groups WIE and Young Professionals. The Section also has special activity groups to manage.

7. Student activities Committee,
8. Conference Committee
9. Industry Relations
10. Membership development,
11. Website and newsletter activities.

Section continued the legacy in taking up various initiatives to Inspire, Empower, Engage and Encourage section IEEE members. The objectives were aimed in providing professional development, community development and membership development. Some of them being

a. Professional Development-

To provide a platform for quality research, innovation and development, the section technically co-sponsored number of conferences. A few of the requests for technical sponsorship were declined based on the competence of the proposals submitted and keeping in mind the conference quality concerns Section ___ covers more details of the conferences held in Pune.

b. Platform for Industry-Academia Interaction (PIAI) :

The Objective was to provide exposure to IEEE Academic members about Innovations in the emerging fields and demonstration of Technologies in action as per industry trends. Also to provide an opportunity to visit state of art technical facilities available at Pune. Under this programme a one day Technology Exposure Program was arranged to IEEE Academic fraternity. A one day campus tour to Tata Consultancy Services (TCS), Sahayadri Park Facility was organized by the Section in association with TCS. An academic team of about 40 members visited the TCS campus. Sahyadri Park, TCS Pune Tuesday, August 22, 2017

c. Workshops/Seminars/Project Competitions-

Other regular activities like Workshops/ Tutorials/ DLs were conducted under various section chapters and AGs. (MATLAB, IOT for Medical Workshop, TV Whitespaces, etc). Communication and SP Society chapters organized a project competition for UG and PG programs. The Section was a Pilot to run prelims for SS12 Asia Level project competition.

Winner and Runners up team SS12 **PUNE Pilot PROJECT COMPETITION held on 21st of August, 2017.**

d. Community development and Socially Relevant Programs

National Digital Literacy Mission

Objective is to channelize the student potential available with IEEE Pune Section towards this important National Mission – Target is to involve about 2000 students in this year through Student Branches. **More details are covered in Section B.4**

Late Shri Pralhad P Chhabria Award

Proposal to institute two awards of Best WIE Student (final year) and Best WIE Engineer (early career) in association with IEEE India Council, Hope Foundation and IEEE Pune section and in this regard a generic agreement between the three parties was signed during IEEE IC AGM 2017. Each award includes a cash prize of INR 1.25 Lakhs and a citation. The award sponsor is Hope foundation and Research Centre - a project by Finolex Group, Pune. The details are covered **in section B.6**

- Major Events (International, National)

Pune is considered as Oxford of east and is a most sought after destination for students. The geographical area of IEEE Pune Section houses a number of state and central universities, R and D organizations, a number of engineering colleges. It also is a hub of diverse industries and has presence of manufacturing, automobile and IT to name a few. From time to time these organizations approach IEEE Pune section for the conference support. The section lends technical sponsorship to selected conference sponsorship requests. The year 2017 IEEE Pune Section has technically sponsored 7 International conferences and 3 National level conferences. Details are covered in Section B.3.

Women in Engineering Affinity group of Pune in association with IEEE India Council and Hope Foundation constituted two awards. One for best outgoing girl student and the second one for the women engineer in her early career stage. Details are covered in Part B.5. The award is open for the women of India.

- Major Chapter Activities

The section has six chapters. On an average every chapter has conducted five activities and required meetings. The chapter activities focused on the professional development of all activities. PES/IAS chapter and Communication chapters of the section organized a DL each. Various workshops, seminars, and project competitions were organized. Details are covered under Part B.2.

- Major Student and Affinity Group Activities

The focus of WIE was towards its motto of engage, empower, encourage the local WiE. WiE collaborated with industry to conduct faculty development programmer, a seminar on women empowerment, also conducted one R10 funded project. YP AG arranged industry visits and various workshops. Details are covered under Part B.5.

- Awards

The section received accolades and achievements.

a. 2017 Outstanding Section Membership Recruitment performance

For continued growth in the IEEE membership for the past four year including 2017, the Section has received an appreciation letter and a certificate from Ms. Takako Hoshimoto, Chair, 2017 IEEE Membership Recruitment and Recovery Committee.

b. Honor Mention WIE AG Of the year 2016

WIEC selected the IEEE WIE Pune Affinity Group as the recipient of an Honorable Mention on the 2016 WIE Affinity Group of the Year Award. A certificate and a prize money (USD 250) was wire transferred to IEEE Pune Section account.

c. Exemplary Student Branch

One of our Student branch from Pune Institute of Computer Technology (PICT) - Region 10 Exemplary Student Branch Award 2016-17.

A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted L50)

The opening balance for the year was -INR 1,86,515.00

Balance as on 29th December was INR 435997.94

- Any other financial activities

NA

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.

Table below describes the membership statistics of the section for the last three years. The section has received 2017 Outstanding Section Membership Recruitment performance, For continued growth in the IEEE membership for the past four year including 2017 .

Year	2015	2016	2017	2018
Membership Status	Active	Active	Active	Active
F	2	1	1	0
F Total	2	1	1	0
LS	3	3	3	3
SM	42	48	53	53
SM Total	45	51	56	56
LM	1	2	1	1
M	330	339	362	372
M Total	331	341	363	373
AM	9	11	14	14
AM Total	9	11	14	14
GSM	97	135	94	96
GSM Total	97	135	94	96
Higher Grade Total	484	539	528	539

StM	709	729	842	873
StM Total	709	729	842	873
Grand Total	1193	1268	1370	1412

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members.

The constant endeavors of the membership team in particular and the section team at large, were commendable. Two new student branches have opened. Older in-active branch meetings have been reactivated. Efforts are seen in the total membership numbers.

B.2 Chapter Activities

Total number of Chapters in the Section

There are Six chapters.

1. Signal Processing
2. Communications
3. Computers
4. PES/IAS and
5. Education
6. Instrumentation& Measurement

Details of the activity undertaken under each of the chapter is described below.

- Number of Chapters formed in the current year
Petition submitted A & P/ MTT /AES chapter
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
All of them ; the reporting of I & M is inactive on VTools.
- Summary of Chapter activities (Chapter wise with attachment table/information)

A summary table is as below; Annexure A contains Chapter wise report.

SI No	Title	No of Meetings	No Activities
1	Signal Processing	3	3
2	Communications	5	4
3	Computers	4	8
4	PES/IAS	6	5
5	Education	4	8
6	Instrumentation& Measurement	No Report	No Report

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information.

Table below is a summary of the Conferences technically associated by the section. Details in Annexure B.

Sr No	Name of the Conference	Organization	Dates	
1	2017 International Conference On Emerging Trends & Innovation In ICT (ICEI-2017)	PICT	3 Feb – 5 Feb 2017	http://www.icei.in/
2	2017 International Conference on Data Management, Analytics and Innovation (ICDMAI-2017)	ZIBACAR	24 Feb - 26 Feb 2017	http://www.icdmai.com/
3	2017 International Conference on Computing Communication Control and Automation (ICCUBEA)	PCCOE	17 Aug - 18 Aug 2017	http://www.iccubea.com/

4	2017 International Workshop on Internet of Things and TV White Spaces (WIOT)	MIT, Pune	12 Jan - 13 Jan 2017	http://www.mitpune.com/wiot2017/
5	INDIAN ANTENNA WEEK 2017	DIAT	5 June - 9 June 2017	http://antweek.org/
6	International Conference on Transforming Engineering Education	MIT, Alandi	14 Dec - 16 Dec 2017	http://www.ictee.in/
7	2017 International Conference on Big Data, IoT and Data Science (BID)	VIT	20 Dec - 22 Dec 2017	
8	2017 7th International Conference on Power Systems (ICPS-2017)	COEP	21 Dec - 23 Dec 2017	
9	National Conference on Emerging Trends in Computing, Analytics & Security	MMCOE	23 rd – 24 th Feb 2018	
10	International Conference on Information, Communication, Engineering and Technology 2018 - ICET 2018	Zeal COER	29 th Aug – 31 Aug 2018	http://zcoer.in/icet2018

B.4 Students Activities

- Total number of Student Branches in the Section -23
- Number of Student Branches formed in the current year - 5 ; 3 formed ;two submitted the petition
- Section level student activities (student congress, paper and other contests, awards etc) :
 - Student Internship programme initiated
 - Remote/ Project mentoring by industry
 - Project competitions
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
About 10
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
Details are in Annexure 3

B.5 Affinity Group Activities

- Young Professional (YP)
- Women In Engineering (WIE)
- Life Member
Not Applicable
Report on the AG are in Annexure 4; Summary table is given below

SI No	Title	No of Meetings	No Activities
1	Women In Engineering (WIE)	8	4
2	Young Professional (YP)	4	4

B.6 Awards & Recognition Activities

- Award constituted by the Section
The Late Shri Pralhad P. Chhabria Awards presented by Hope Foundation and Research Centre in association with IEEE India Council and WIE Affinity Group, IEEE Pune Section is instituted to

honour academic and professional achievements of young women engineers. The award is intended to encourage, support and help the 'women-in-engineering community' to grow and achieve success. In his honour, Hope Foundation and Research Centre, IEEE India Council and Women in Engineering (WIE) Affinity Group, IEEE Pune Section has announced two awards that are designed to recognize and applaud outstanding female student/s specifically from the faculties of Science, Engineering or Technology as well as young women Scientists, Engineers or Technocrats who are in their early career stage.

These two awards are designed to recognize and applaud outstanding female student/s specifically from the faculties of science, engineering or technology as well as young women engineers who are in their early career stage.

Award I - Best Outgoing Female Student (from faculty of Science / Engineering / Technology)

Award II - Best Women Engineer / Scientist / Technocrat (working Professional -Early Career Stage)

Eligibility: Award Nominee must be an Indian National and IEEE Student Member for Award No 1 & IEEE Member for Award No 2.. IEEE woman in engineering (WIE) membership is desirable though not necessary.

Award details are available on section website.

Each award consists of a cash prize of 1,25,000/- (Rupees One Lakh Twenty Five Thousand only) Taxes as applicable shall be deducted from this prize money. Medal and citation

- List all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year 2017.

a. 2017 Outstanding Section Membership Recruitment performance

For continued growth in the IEEE membership for the past four year including 2017, the Section has received an appreciation letter and a certificate from Ms. Takako Hoshimoto, Chair, 2017 IEEE Membership Recruitment and Recovery Committee.

b. Honor Mention WIE AG Of the year 2016

WIEC selected the IEEE WIE Pune Affinity Group as the recipient of an Honorable Mention on the 2016 WIE Affinity Group of the Year Award. A certificate and a prize money (USD 250) was wire transferred to IEEE Pune Section account.

c. Exemplary Student Branch

One of our Student branch from Pune Institute of Computer Technology (PICT) - Region 10 Exemplary Student Branch Award 2016-17.

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year)

IEEE Pune Section Newsletter and 03 Issues (Jan-April, May-August, Sep-Dec)

- Home Page of the Section (give the URL and how often it is updated)
www.ieeepunesection.org
info@ieeepunesection.org
- Other means of contacts with Section members including social media
Planning to social media presence in the future.

B.8 Industry Relations

- Membership growth and retention

IEEE awareness and Membership benefits sessions were conducted a various industry locations, and academic institutions.

- Activities for/with industrial members

NA

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
- SIGHT Activities

The section plans to initiate Humanitarian Technology Activities in future. It is one on the agenda points for 2018.

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
IEEE Day, World Telecom Day, International Women’s day and Engineers day celebrated by various chapters/student branches.

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved

The industry visits organized by the section to academia has helped to create an awareness among academicians about what industry does on the other side of the wall. Many best practices were shared, collaborations happened. This has helped in building a stronger team of IEEE.

- Funding secured from the IEEE and external sources including sponsorships

Funds have been received by various chapter/AGs for conducting their activities.

WiE AG received a funded project under PROGRESS from WIE R10 so was YP AG. USD 400. WiE also received funds of USD 200 from WiE HQ, for the award mentioned in part B.6

SP and PES/IAS received appreciation funds from HQ. Education Society and received grants for DL.

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Nature of relationship and details of any formal agreement signed
MoU signed between President, Hope foundation, Chairperson IEEE India Council and Chairman IEEE Pune section for constituting two awards for women engineers/scientists. Details are covered in Part B.6
- Benefit to IEEE members (for example discounts, access to technical information etc.)
All section activities especially paid are
The Late Shri Prlhad Chhabria Award was constituted and is available as member only benefit.
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
- Joint activities with any other Section

C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organizing technical, educational and professional activities
Invariably all society chapters /AGs/SI G receive support from the section.
- Joint activities for membership development. Most of the section activities are joint efforts of chapters and AGs.
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section-NA

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

The industry visits organized by the section to academia has helped to create an awareness among academicians about what industry does on the other side of the wall. Many best practices were

shared, collaborations happened during these visits. This has helped in building a stronger team of IEEE.

C.6 Problems anticipated and suggestions for solutions, if any

Student member retention was a challenge especially in the competitive era of many other professional groups being around.

Section needs to convince its members about the value proposition of being an IEEE member and its distinctness.

PLANS

D.1 Continuation of project/activity in progress and their implementation plans

- The section has 6 well established chapters which have been actively conducting events in their respective areas. We plan to further strengthen the working of all these chapters through appropriate leverage of technology.
- The section has been aspiring to set up Instrumentation and Measurement Society. This activity will be pursued in the coming year.
- IEEE Pune Section is a technical sponsor for International Conferences driven by various colleges, Universities. We will continue this best practice in 2018.
- Lot of ground has been invested in 2017 in the area of “Women in Engineering”. Section plans to build further on this foundation considering the importance of this initiative.
- IEEE has been driving a program for mentoring students from rural schools for several years. Section plans to continue to prioritize this event in 2018.
- Alignment of Pune context with IEEE vision and mission
- Continuity from the past and sustainability in the future
- Student community to remain as a big focus area
- Enhance industry participation
- Create special initiatives to drive key themes
- Three years horizon view and 4 quarter execution view

D.2 Goals and Future Plans

Overall approach & philosophy

- All goals and plans of the Pune section should be created through alignment of Pune context with IEEE vision and mission
- Ensure continuity of the 2017 activities and create a sustainable plan for 2018 & beyond
- Student community will continue to remain a major focus area
- Special focus on enhancing industry participation
- Approach will involve combining of short terms goals for the current year and few strategic goals with a 3 year horizon. Goals to be tracked on a quarterly basis.

2018 focus areas

1. Foster a culture of collaboration
2. Enable research & innovation. Listed below are some potential focus areas.
 - a. Transition from IC Engine based to Electric cars
 - b. Emerging technologies such as IOT, AI, ML, Cloud
3. Starting of new Societies e.g. Instrumentation society
4. Set up a Special Interest Group for agriculture. Following themes/areas are under consideration for the same.
 - a. Work on making agriculture a viable career path/profession
 - b. Focus on problems of small farmers
 - c. Set up affordable agriculture labs in Engineering Colleges wherein students can innovate and provide low cost technology solutions to farmers
 - d. Application of analytics and use of public domain data for the benefit of the farmer community
 - e. Promote ethical practices in agriculture

5. Focus on Entrepreneurship development space in order to address employment challenges. Enable industry academia collaboration to nurture favorable ecosystem for startups. Help create awareness on Government initiatives such “Make in India” and “Startup India”. The section aspires to work on making Pune a startup hub.
6. Support industry and academia to scale up to meet the needs of Industry 4.0. Drive re-skilling initiatives towards this objective.
7. Contribute to the smart city initiative. One potential area which has been identified as a potential area for contribution is Digital Literacy. IOT leverage for Smart City is another area which can provide a pipeline of final year projects to final year students of Engineering Colleges.
8. Plan to work on a new concept called “Human Library” in which an App can be developed through which experienced professionals can offer their time for technical mentoring to students telephonically. A biannual literary fest can be hosted where all the lead thinkers and “popular books” can share their thoughts.
9. Work on enabling Alumni involvement in their respective institutes. IEEE can work on creating awareness, sharing best practices and defining processes for well-structured collaboration amongst alumni batches and interaction with the institutes.
10. We plan to work on creating a conducive ecosystem for women who wish to pursue second innings of their career after a long career break. IEEE will arrange coaching, mentoring and inspirational talks for such candidates and also work with industry partners to identify placement opportunities.
11. Contribute to Nonresident villager program where students are encouraged to contribute to uplift their native village

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

- Adopt a professional approach to strengthen internal working of the section. Appropriately leverage management/process expertise along with technology for the same. We plan to optimize volunteering efforts through steps such as using telecons for meetings.
- Create a Nano video to market the benefits of being part of IEEE Pune section. The video should highlight compelling benefits to join the section. The same can be shared over WhatsApp with potential members with a view to encourage them to take IEEE membership.
- Establish an operating model in which a well-established student branch mentors another newly formed branch.
- Create a forum called Platinum Club which will offer special benefits to key contributors from student community. Benefits could include opportunities for industry visit, internship and participation in important conferences/workshops.
- Institute awards to recognize high performing student branches/individuals
- We plan to conduct periodic surveys to get feedback about our events and working.

Work with the university to provide credits to students for contributing to social initiatives

D.4. Business Plan for Sustainable Growth and Financial Stability.

- Pune has a very high density of Engineering Colleges. There is a big opportunity space in terms of involving all these colleges in IEEE activities. Put in a focused effort to set up branches in all Engineering Colleges located within the jurisdiction of the section
- Drive a well-designed campaign to enroll new members from academia and industry
- Host at least 2 major paid events in the year by inviting eminent DLs as speakers/panel members.
- Organize events like job fairs for providing placement and internship opportunities
- Explore partnerships with research institutes for growing membership
- Focused efforts on Industry Relations which in turn can lead to membership growth. The section will reflect on marketing potential benefits to the industry.
- Adopt best practices on financial management from other successful sections.
- Optimize expenses towards events by using Colleges/Industry infrastructure

Annexure 1 - Chapters Reports**IEEE Education Society, Pune Section, 2017****Name of the chapter: IEEE Education Society, Pune Section, 2017****Name of the Office Bearers 2018:**

- Chairman : Vivek Deshpande
- Vice-Chairman : Tushar Mote
- Secretary : Kailash Tambe
- Treasurer : Dattatray Waghole

Report on the activities for the year 2017:

	Title	Resource Person	Duration & Venue	Details
1	Workshop: Use of Circuit Simulator in teaching Basic Electrical and Electronics Courses	M.B.Patil, IIT Mumbai	27/01/2017 & 27/01/2017 Two days workshop at VIIT	Hands on for UG and PG students along with staff members (60)
2	Talk: 5G IoT	Dr. Suresh Borkar, IIT, Chicago	8 th Feb, 2017 at VIT	UG and PG students along with ACM(40)
3	Pluto Drone Workshop	SINE IIT Startups "Drona Aviation" Team	15 th July, 2017 at Zeal College	Assembling a drone and simulation for flying drone(128)
4	Fundamental Development of Android Applications	Mr. Nilesh Khare	19 th to 26 th Sept., 2017	Develop android apps (120)
5	TDCS-2017	Students and Industry persons	1 st Nov. to 30 th Dec., 2017 at ZCOE	Technology Dissemination Contest for Students(18 groups)
6	FDP: on Advances in Automation	Industry	22 nd & 23 rd Dec., 2017 at JSPM	Current and Future industry trends(60)
7	National Workshop on Technical Writing with Mathematical Modelling	Industry	26 th to 30 th Dec., 2017 at JSCOE	Stepwise approach for paper writing and scientific way for modeling(40)
8	Digital literacy Training	IEEE Volunteers	November 2017	Training for Pune Police (2000)

Name the Future Activities for the year 2018:

	Title	Resource Plan	Duration & Venue	Details
1	Digital literacy Training	IEEE Volunteers	Colleges in four regions	Training for Pune Police(2000) (DySP Pravin Jadhav)
2	Digital literacy Training	IEEE Volunteers	Junner area	Training for Medical Doctors (250)
3	Bridging the Industry Academic gap	Academics Industry and IEEE	Pune	Discussion to reduce the gap between industry and academics
4	Conference ICKDST	Academics Industry and IEEE	27/28 Feb, Pune	Knowledge Discovery, Science & Technology (100)
5	Expanding Logically	IEEE Volunteers	Shivaji and Solapur University	Creating awareness of IEEE and conducting events

- Local Distinguish Lecture Series for 2018
- Statistical and Mathematical background to support technical knowledge
- Technical knowhow regarding latest technologies like IoT , Industry 4.0, etc
- More participation in Society activities from colleges and IEEE student chapters

Computer Society ,IEEE Pune Section,2017

Name of the chapter: Computer Society ,IEEE Pune Section,2017

Name of the Office Bearers 2017:

- Chairman : Gorakhnath Ghadage
- Vice-Chairman : Girish Khilari

Report on the activities for the year 2017:

The following is summary of Computer Society IEEE Pune sponsored and organized events.

	Event Details	Date	Place
1	Workshop on IoT	12 th -13 th Jan.,2017	MIT Pune,IEEE Comsoc,IEEE CS Chapters
2	Workshop on Data Analytics with R Programming	16 th – 17 th Jan., 2017	PICT Pune, IEEE CS Chapter
3	International Conference On Emerging Trends and Innovation in ICT(ICEI 2017)	3 rd -5 th Feb., 2017	PICT Pune, IEEE CS Chapter
4	IEEE CS Chapter Meeting for all chapter members in Pune	12 th Feb., 2017	PICT Pune, IEEE CS Chapter
5	International Conference on Data Management, Analytics and innovation (ICDMAI 2017)	23 rd -24 th Feb 2017	Zeal Education Society, Narhe Pune
6	Webinar on Plagiarism Check	01 st July ,2017	Online IEEE CS Chapter
7	SS12 –Project Competition Prelims	18 th -21 st Aug., 2017	I2IT Hinjewadi Pune, IEEE CS, EDU.
8	Credenz-17 PICT	15 th -17 th Sep., 2017	PICT Pune IEEE CS Chapter

➤ **Data Analytics With R Programming @ PICT - 16, 17, Jan 2017**

IEEE Computer Society Sponsored this event which was organized by , PICT Pune along with SPPU

Theme: The scope of workshop included current trends in Machine Learning applications with R Programming..

* **Convener & Coordinator:**

1. Dr. Archana Ghotkar
2. Prof. Sheetal Sonawane

* **Topics covered in short :** Following topics were covered

1. Introduction to R Programming
2. Hands on training on R Programming
3. R- Studio
4. Debugging & profiling with case study

➤ **International Conference on Emerging Trends & Innovations in ICT 3-5 Feb 2017**

PICT Organized this international conference technically sponsored by IEEE Pune Section & IEEE Computer Society Pune Chapter

Theme: Emerging trends in Information & Communication Technology. This conference was addressed by eminent national , international speakers and presentation by ..

* **Convener & Coordinator:**

1. Dr. Rajesh Ingle
2. Dr. Prahlad Kulkarni

* **Tracks in short :**

1. Emerging Trends in Engineering, Embedded systems
2. Wireless Communication
3. Big Data, Data mining, Cloud & Smart Computing
4. Augmented Reality
5. High Performance Computing, Network Security

➤ **Webinar on Plagiarism Check**

Webinar on Plagiarism Check followed by Chapter meeting was organized by IEEE Computer Society Pune Chapter

Theme: The Guidelines on using Plagiarism and following the best practices in performing Plagiarism Check ..

* **Speaker:**

1. Dr. Rajesh Ingle

* **Topics covered:**

1. Need for Plagiarism check
2. Best practices to perform Plagiarism checks
3. Tools to be used for Plagiarism checks.

UPCOMING EVENTS :

The following is summary of Computer Society IEEE Pune sponsored and organized events.

	Events Details	Date	Place
1	International Conference on Knowledge Discovery in Science & Technology	27-28 Feb 2018	JSCOEE IEEE CS Chapter
2	National Conference on “Emerging Trends in Computing, Analytics & Security”	23-24 Feb 2018	MMCOE, IEEE CS Chapter.

APPEAL:

- * We have already started connecting the IEEE Computer Society members in Pune Section and request them to come together , collaborate, exchange thoughts , share knowledge, ideas. We have had 2 chapter meetings this year one was F2F and other Online on WebEx
- * On behalf of IEEE Computer Society Pune Section we urge you to opt for computer society membership as well while renewing Or joining IEEE. IEEE Computer Society offers rich source of knowledge with flexible options to opt for and be the technology Leaders and experts in area of interest. please refer membership benefits
- * We request you to learn, be benefited from IEEE Membership, it has lot to offer . The more we would learn , the more we can spread the word about it. We would have strong network of technologists, engineers, researchers, students.

PES/IAS Chapter, IEEE Pune Section Activities ,2017

Report on the activities for the year 2017:

1) Project Competition for UG/PG Students of Electrical Engineering

A Project Competition for UG/PG students of Electrical Engineering was organized on 25th March 2017 at PES Modern College of Engineering , Pune.

- The Projects were Grouped in Five Groups – Renewable energy and Smart Grids, Power Systems, Control Systems, Power Electronics and Electrical Machines
- Only the projects which can be demonstrated were selected
- More than 50 groups from different Institutions participated in the event
- Prizes were given for best projects for UG and PG students from each group

2) IEEE DLP on “Condition Monitoring of Oil- paper Composite Insulation System of Transformer”

- Speaker: Prof. Sivaji Chakravorti, PES Distinguished Lecturer,

Professor, Electrical Department, Jadavpur University, Kolkata,
Director, NIT, Calicut.

- Venue: PVG’s College of Engineering and Technology Auditorium, Pune India
- Date: 29th July 2017
- Delegates: From Power Industry, Consultants and Academics (faculty and students)

Non-IEEE delegates: 185
Total: 205

3) Workshop on Solar Rooftop PV Generation and Net-metering Regulation

A Workshop on Solar Rooftop PV Generation and Net-metering Regulation was organized on 23rd Nov 2017 at PVG,s COET Pune

- Participants: IEEE member 15

Industry and Academics 150

Total 165

- Speakers: Dr. Nitant Mate: See Green Solutions Pune

Dr. Adinath Funde: School of Energy Studies, SP Pune University

Shri. V.L. Sonawane: Ex. Member Maharashtra Electricity

Regulation Commission

Solar Rooftop PV Generation & Net-metering Regulation:

4) 7th International Conference on Power System (ICPS 2017):

The Branded International Conference initiated by India, ICPS, was technically sponsored by IEEE PES/IAS Pune chapter

- The conference was organised at College of Engineering, Pune during 21st -23rd December 2017
- Dr D J Doke represented as Chapter representative and was Co Chair of Technical Committee
- On 21st, 10 tutorials including one lab session were organized in Three Parallel Sessions. Nine tutors were from outside the country and experts from the field
- The conference was Inaugurated on 21st at 5pm.
- The conference included 9 tutorial sessions, 1 laboratory session, 3 Key Notes and 8 plenary talks by renowned experts across the world.
- More than 150 peer-reviewed papers were presented in 15 technical sessions.
- Participants :

IEEE members : 100
Other Delegates: 350
Total: 450

Communication Chapter

1. **Name of activity:** International Workshop on Internet of Things and TV White Spaces (WIOT' 2017)

Timestamp: 4/11/2017 10:56:18

Category of activity: Workshop, DL

Day & Date: 1/12/2017

Venue: Hotel President

Start time: 9:00:00 AM

End time: 6:00:00 PM

Organizer Details (Name of Organization, Address): MIT, Pune

IEEE Co-Sponsor Details (Chapter/Affinity Group/Special Activity): IEEE COMSOC and CS Pune Chapters, IEEE Pune Section

Brief Description:

Maharashtra Institute of Technology (MIT), Pune in association with Department of Science and Technology, Government of India; Savitribai Phule Pune University and IEEE has organized an International Workshop on Internet of Things and TV White Spaces, WIOT'2017 on January 12 -13, 2017 at Hotel President, Pune

Internet of Things (IoT) is emerging as new paradigm in the development and deployment of Internet. It is forecasted that ~ 50 billion devices are going to get connected to the Internet by Year 2025. IoT has many applications in Smart Cities, Smart Environment, Smart Water, Smart Metering, Security and Emergencies, Retail, Logistics, Industrial Control, Smart Agriculture, Smart Animal Farming, Domestic & Home Automation, Healthcare, and many more. Due to digitalization of TV channels, large part of licensed spectrum is now free and currently it is not utilized. These unused spectrums are called TV White Spaces. Now, with new cognitive radio based technology, we can use this unutilized spectrum for communication and many other applications. These TV Whites spaces are going to play very important role in deployment

of Internet and broadband services in rural parts of India at the affordable cost to the underprivileged communities.

Prof. Dr. Vishwanath Karad, Founder MIT, Pune, renowned Scientist Dr. Vijay Bhatkar and scientists and researchers from USA, Singapore, South Korea, South Africa and other countries participated.

Resource Person/s: Dr. Rath Vannithamby INTEL, USA; Dr. Bilab Sikdar, NUS, Singapore; Dr. Suresh Borkar, IIT, Chchago, Dr. Dhananjay Singh, South Korea and others.

Topics Covered: Internet of Things and TV White Spaces

Details of Attendees (include Students-UG/PG/PhD), Academia, Industry and Total: 135

2. Name of activity: DL Lecture

Timestamp: 4/11/2017 10:59:24

Category of activity: DL

Day & Date: 1/13/2017

Venue: Hotel President

Start time: 11:00:00 AM

End time: 1:30:00 PM

Organizer Details (Name of Organization, Address): IEEE COMSOC Pune Chapter

IEEE Co-Sponsor Details (Chapter/Affinity Group/Special Activity): IEEE COMSOC Pune Chapter

Brief Description:

DL Talk by Dr. Rath Vennithamby, INTEL, USA

Resource Person/s: DL Talk by Dr. Rath Vennithamby, INTEL, USA

Topics Covered: Internet of Enverything

Details of Attendees (include Students-UG/PG/PhD), Academia, Industry and Total: 135

3. Name of activity: COMSOC Meeting

Category of activity: Meeting for Project Competition

Day & Date: 2/20/2017

Venue: MIT, Pune

Start time: 4:00:00 PM

End time: 5:30:00 PM

Organizer Details (Name of Organization, Address): COMSOC Pune

Brief Description:

To prepare the funding proposal, we had discussion on new activities to be organized.

Resource Person/s: Dr. Kalyani Kulkarni, Prof. Sunil Somani

Details of Attendees (include Students-UG/PG/PhD), Academia, Industry and Total: 3

Signal Processing

IEEE Signal Processing Society Chapter, Pune Section has organized a project competition on Signal and Image Processing on 24th June, 2017 at Department of Electronics and Telecommunication in **Modern Education Society's College of Engineering, Pune-01**. This Project competition has been organized and focused on UG & PG students, to inspire them for genuine research and also for examining researches' genuineness. It will testify their technical skills and provide them a technical platform.

No of students Sent abstract: 17

No of Registerd: 12

Prizes:

- 1) First prize: Megha Pawar
- 2) Second Prize: Shubham S Gour
- 3) Third Prize: Aditi Ghuge

Judges:

- 1) Suryavanshi Rahul from JohnDeere India Pvt. Ltd. Pune
- 2) Madhura Limaye

Title of the Activity: JPEG emerging standards: Talk

Day & Date: Friday, 6th January 2017

Place: MBA Seminar Hall, PES's Modern College of Engineering, Pune.

Objectives:

1. To introduce JPEG standards to the students/Research Scholars
2. To let them know its importance and the available standards

Name of Speaker or Expert: Mr. Ambarish Natu

Organization of speaker or Expert: *IT Architect, Australia*

Summary report:

A seminar on “JPEG emerging standards: Talk” was organized in association with IEEE SPS Chapter – Pune Section & IEEE PES MCOE Student Branch. IEEE SPS Chapter Chair and our Principal - Mrs. K. R. Joshi introduced the activities of the SPS to the students. IEEE SPS Chapter- Pune Section’s Secretary, Mrs. R. S. Kamathe was also present on the dais.

Mr. Ambarish Natu currently works as an IT Architect within the Information Architecture Team of the Australian Taxation Office where he is responsible for developing data models for effective compliance activities. Since 2002 Mr. Natu has been involved in the development of several standards under the auspices of the ISO, IEC and ITU-T as Editor/Chair/Co-Chair and also a recipient of the ISO/IEC Certificate for contributions to technology standards within JPEG (joint photographic experts group). Mr. Natu is a Fellow of the Institute of Engineers Australia, a Chartered Practising Engineer and a Senior Member of IEEE. He currently serves on the ITEE College Board, The Canberra Division Committee and the ITEE Canberra Division Committee of Engineers Australia. Mr. Natu is also the Vice-Chair and Webmaster for the IEEE ACT section in Australia.

Mr. Natu started his talk from the JPEG family & standards, its impact on market, its framework and comparison of the standards. He also discussed Advanced Image Coding, designing principles, JPEG XT, Spatial photography and many more.

Ms. Sanika Balkwade(Chair, WIE Student Branch, PES’s MCOE) introduced the speaker to the participants and Mr. Ketan Karambelkar(Chair, IEEE Student Branch ,PESMCOE) delivered the vote of thanks.

Outcome:

Students / Research Scholars understood the importance of JPEG standards. They also came to know about the opportunities & scope for research in JPEG.

Name of Staff coordinators: Mr. Rohit S. Deo (Member- IEEE SP Society, Mentor- IEEE Student Branch, PESMCOE, Pune

Mrs. R. S. Kamathe (Secretary, IEEE SPS Chapter, Pune Section, Counselor- IEEE & WIE Student Branch, PESMCOE, Pune.

Annexure 2 : Report on Conferences

Name of the chapter: Conference committee Report

Name of the Office bearers:

Dr. Rajesh Ingle, Chair, Conference Committee, IEEE Pune Section, Vice Chair, IEEE India Council IEEE Region 10 Student Activities Coordinator,

Report on the activities for the year 2017:

IEEE PuneCon – 2018

IEEE Pune Section Initiative

Objectives:

- To provide platform to student members, Industry professionals and young professionals to disseminate quality technical information
- To develop a volunteer-led environment to create knowledge groups
- Provide opportunity to student members, industry professionals to become future leaders
- Attract new membership
- Symbiosis Institute of Technology is selected to organize in Dec 2018

Sr No	Name of the Conference	Organization	Dates	
1	2017 International Conference On Emerging Trends & Innovation In ICT (ICEI-2017)	PICT	3 Feb – 5 Feb 2017	http://www.icei.in/
2	2017 International Conference on Data Management, Analytics and Innovation (ICDMAI-2017)	ZIBACAR	24 Feb - 26 Feb 2017	http://www.icdmai.com/
3	2017 International Conference on Computing Communication Control and Automation (ICCUBEA)	PCCOE	17 Aug - 18 Aug 2017	http://www.iccubea.com/

4	2017 International Workshop on Internet of Things and TV White Spaces (WIOT)	MIT, Pune	12 Jan - 13 Jan 2017	http://www.mitpune.com/wiot2017/
5	INDIAN ANTENNA WEEK 2017	DIAT	5 June - 9 June 2017	http://antweek.org/
6	International Conference on Transforming Engineering Education	MIT, Alandi	14 Dec - 16 Dec 2017	http://www.ictee.in/
7	2017 International Conference on Big Data, IoT and Data Science (BID)	VIT	20 Dec - 22 Dec 2017	
8	2017 7th International Conference on Power Systems (ICPS-2017)	COEP	21 Dec - 23 Dec 2017	
9	National Conference on Emerging Trends in Computing, Analytics & Security	MMCOE	23 rd – 24 th Feb 2018	
10	International Conference on Information, Communication, Engineering and Technology 2018 - ICET 2018	Zeal COER	29 th Aug – 31 Aug 2018	http://zcoer.in/icet2018

‘Conference Proposals for 2018:

We have received proposals from following:

Sinhgad Academy of Engineering, Kondhwa, Pune

JSPM's Rajarshi Shahu College of Engineering, Pune

JSPM 'S bhivarabai sawant institute of technology & research, wagholi

Vishwakarma Institute of Technology, Bibwewadi, Pune

JSPM's Jaywantrao Sawant College of Engineering, Pune

JSPM Bhivarabai Institute of Technology & Research, Wagholi

Marathwada Mitra Mandal's College of Engineering

JSPM's, JSCOE, Handewadi Road Pune, ICKDST 2018

Annexure 3 : Student Activity Committee

Annual Report of IEEE Student Branches

Name of the chapter: Annual Report of IEEE Student Branches

Name of the Office bearers:

Dr.P.B.Mane Student Activities Chair IEEE Pune Section 2017

Report on the activities for the year 2017:

Present Membership Status Source – IEEE SAMIEEE

- Present Student Members – 842
- Present Active Student Branches – 17
- Newly formed Student branches - 5
 - AISSMS COE
 - BVCOE Lavale
 - NBN Sinhagad Vadgaon
 - JSPM Wagholi
 - Zeal COE

List of Student Branches Who Received Fund Support (2017)

1. AISSMS IOIT
2. MCOE
3. IIT

4. VIIT
5. PICT

Activities Summary

SN	Activity detail	Conducted By
1	International Conference NCSEEE 2017	VIT,Pune
2	Seminar on IEEE Student Awareness	VIT,Pune
3	Series of Guest Lectures	VIT,Pune
4	Zenith-2017 Competition for students	AISSMS IOIT,Pune
5	Series of Seminars	Sinhgad COE,Pune
6	Project Competition and Contests for Students	VIIT,Pune
7	IEEE Day Celebration	VIIT,Pune
8	Competitions for Students Student Achievements	MCOE,Pune
9	Various Activities	PICT, Pune

International Conference NCSEEE 2017

Organizer's Details : IEEE Students Branch VIIT and SPPU
17th and 18th Feb 2017.

No. of Students other than VIIT:	48 IEEE Members
No. of Students from VIIT:	39
Students (UG, PG, PhD)	:87

Seminar IEEE Student Awareness

Organizer's Details : VIIT , Pune

20/01/2017

Total number of participants: 75

Guest Lectures conducted by VIIT,Pune

Sr. No.	Name of speaker	Topic	Class	Date	Coordinator
1	Dr. V. V. Bang	Business Case Studies The Lessons for Engineers	T. E	03/02/2017	Mrs. D. P. Pandit Ms. S. R. Dhabre
2	Mr. Praveen Hore	Java Applets and AWT Application	S. E	23/02/2017	Ms. J. R. Jankar Ms. D. S.

					JoshiMrs. G. V. Ghule
3	Mr. Arvind Shaligram	Ultra-Wideband Fiber Optic Communication System	B. E	24/02/2017	Mrs. P D. DeshpandeMrs. R A Chavan
4	Mr. Pranay Upadhyay	Understanding and Selection of Different parameters of Opamp parameters for different applications	S.E	11/03/2017	Prof. Jayeshree N. JoshiDr. Ketki P. Kshirsagar
5	Mr. Saurabh KumbhareMr. Deepak Kshetre	Recent Trends & Development in Mobile Communication	B. E	20/03/2017	Prof. V B. AmboreProf. P K. MathurkarProf. A W. Ingale
6	Dr. A. A. Khandekar	Digital Control Systems	S. E	25/03/2017	Mrs. A P. NavghaneMrs. P P. Kulkarni
7	Prof. G. S. Mani	Soft Computing	B. E	30/03/2017	Mrs. M S. DeshmukhMrs. A. K. Ratanaparkhi
8	Mr. Santosh Ostwal	Job Opportunities in TIFR	T.E	22/06/2017	Mr. V. B. AmboreMr. G. H. Chavan
9	Mr. Aniruddha Kulkarni	Antenna Design Workshop	T.E & B.E	30/6/2017 and 01/07/2017	Mrs. D P. PanditMr. R. B. Kashyap
10	Avadh Singh from Acrons Pvt Ltd.	Workshop on "Internet of Things (IoT)", Deep drive	S.E, T.E, B.E	25/6/2017 and 26/06/2017	Mr R. S. Pol
11	Prakash Ranjan from Finex and Mukesh Singh from Forbes	Workshop on, "Machine Learning Algorithm on Raspberry Pi	S.E, T.E, B.E	27/6/2017 and 29/06/2017	Mr R. S. Pol
12	T R Jadhav, R S Pol, A P Navghane, S H Bhagwat, G H Chavan	Workshop on "LabVIEW"	T.E & B.E	25/6/2017 and 29/06/2017	Mr R. S. Pol

Zenith 2017 at AISSMS IOIT, Pune

Organizer's Details : AISSMS IOIT , Pune

23rd , 24th August and 15th Sept. 2017

Total number of participants: 607 (10 IEEE Members)

Activities conducted by Sinhgad C.O.E.

Sr. No.	Class	Topic	Name of Expert	Designation & Work Place	Date for Session
1	T.E.	Seminar on IoT	Mr. Satyajeet Pardeshi	Emerson Innovation Centre.	3/1/17
2	T.E.	AVR Microcontroller workshop	Mr. Vikrant Pagare	Director, Cubez Technologies Pvt. Ltd.	14/1/17 & 15/1/17
3	T.E.	Brain Buzz competition	---- (Competition)	-----	15/1/17
4	S.E., T.E., B.E.	Nirbhaya Kanya Abhiyan for Girl students	Mrs. Shilpa Chillai	Teacher, City School Kondhwa	28/2/17
5	T. E. & B. E.	Paper presentation competition	---- (Competition)	---	15/3/17
6	T. E. & B. E.	Project Competition	---- (Competition)	---	20/3/17 to 22/3/17
7	M. E.	Seminar on Software Tools	Dr. S. S. Lokhande, Prof. A. A. Raut Prof. Kakatkar	Sinhgad C.O.E.	7/4/17 & 10/4/17

8	M. E. (II Year)	Seminar on Finalisation of M.E Project in Signal Processing	Mr. M. Selva Balan	Scientist- CWPRS, Pune	21/8/17
8	S. E.	Seminar On Component Testing	Mr. Sanjay Chaudhari	Director, Electronic Study centre, Jalgaon	29/8/17
9	S. E.	Game of codes- C coding competition			13/9/17
10	SE	Techno Hunt- Technical Component quiz			14/9/17
11	TE	Simulation War- Competition			15/9/17

Activities Conducted at I²IT,Pune

1	Guest Lecture	February 22,2017
2	IEEE Membership Drive	July 10 & 11, 2017
3	SS12 Pune Project Competition & Maker Fair 2017 Prelim Round	August 21, 2017
4	SS12 Project Competition & Maker Fair 2017 Final Round	July 28, 2017
5	IEEE Day Celebration	September 15,2017
6	Industry Insight Program	September 15,2017
7	IEEE Xtreme 24 Hours Prog. Contest	October 14, 2017

Activities Conducted at PICT,Pune

SN	Activity detail	Date
1	<u>Credenz'17</u>	15 th to 17 th September, 2017.
2	Series of seminars	February 2017
3	Innovative Computing Event and Panel Discussion	5th February 2017

Student Achievements

1. Ms. Aishwarya Shirbhate (IEEE Student Member) worked as coordinator for IEEE Extreme.
2. Ms. Aishwarya Shirbhate got full sponsorship from IEEE Computer Society - Madras Section to attend AICSSC 2017, held at Madras.
3. Ms. Manasi Sahu and Maitreyee Rao (IEEE Student Members) got First Prize in Poster Competition, in AIWSYC - Allahabad.

Annexure 4 : Affinity Group Activites

Name of the chapter: WIE Affinity Group- IEEE Pune SectionReport 2017

Name of the Office bearers:

- Chair : Lekha Phijo
- Secretary : Meera Thorat
- Mentor : Dr Rajashree Jain

Report on the activities for the year 2017:

Summary of WIE AG Initiatives 2016			
S No	Activity Detail	Date(s)	Venue
1	Women's Day Celebration 2017 in Association with IEEE WiE Pune and PCCOE Pune	25 March 2017	PCCOE, Pune

2	SS12 ASIA& maker fair 2017	21 st August 2017	I2IT, Pune
3	Industry Insight	15 September 2017	IBM India pvt ltd, Pune
4	WIE R10 Project_Pune_India	02 nd September, 2017-01 st February, 2018	Visit to different schools

Summary Participation

SNo	Event Name	Non IEEE	IEEE	Total	Feedback on a scale of 1 to 5, 5 being excellent
1	Women's Day Celebration	44	10	54	4
2	SS12 ASIA& maker fair 2017	50	7	57	4
3	Industry Insight	45	15	60	4.5

Women's Day Programme

It was organized to provide awareness about IEEE Women in Engineering in association with Women TECH makers **IEEE WiE Pune, Google WTM Pune**

Date : **25 March 2017**

Venue: Conference Room, PCCOE College at Akurdi

A technical session on "IBM Watson APIs" of 45 minutes by Mr. Swanand Gadre(Advisory Software Engineer) from IBM

SS12 ASIA& maker fair 2017

IEEE WiE Pune, and IEEE Education Society, Pune

Date : 21st August 2017

Venue: I2IT Pune

SS12 is a Coding and Making Challenge jointly organized by Madras IEEE Education Society, Project Possibility and REAL Breakthrough to realize the Practice Based Education. It is hosted in partnership with IEEE sections, Universities and leading technology industry companies. The challenge is conducted to recognize the best social innovation application on the theme given. The winning teams will be called for the final round at Vardhaman College of Engineering, Hyderabad, India on September 8th and 9th, 2017. **Winners from Pune were participated in final round @ Vardhaman College of Engineering, Hyderabad, India on September 8th and 9th, 2017.**

Winners from Pune were

Industry Insight

Faculty development program at IBM India (Pune)

15th September 2017

In association with IEEE WiE Pune and IEEE Young Professional

AGENDA

A Faculty Development Program by IBMers for Pune University faculties. This program was aimed at 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.

Late Shri Pralhad Chabria Awards

Award for Best Outgoing Girl Student from Faculty of Engineering.

Best Women Engineer.(working Professional -Early Career Stage)

WIE R10 funded project under PROGRESS : Study of challenged in front of high school girls to take sci and Tech education as option for higher education.

A survey taken in different schools and also an orphanage where also we explained the importance of education in science and technology particularly. Total 364 students were surveyed in rural areas as well as urban.

IEEE Young Professional Affinity Group, IEEE Pune Section,2017

Name of the chapter : IEEE Young Professional Affinity Group, IEEE Pune Section,2017

Chairman: Dr. Surekha Deshmukh

Establishment:

- Formation on 4th Feb.,2016
- Objective :- It is an international community of innovative members and volunteers, expanding their global network , connecting with peers locally and giving back to the community.

Activities - 2017

Sr.No.	Activity Details	Date(s)
1	Training to Electrical Professionals on MATLAB	9 th -11 th March,2017
2	Career opportunities in Project Management and Cost Management for Engineers	12 th Sept.,2017
3	Cyber Security Workshop	23rd Sept, 2017
4	Industry Visit	9 th August, 13 th Sept, 20 th Nov, 2017

1) Training to Electrical Professionals on MATLAB

- **Category of Event : Three days Professional Training**
- **Day , Date : 9th -11th March,2017**
- **Brief Description of Theme:**
- Total 35 engineers have given training on use of Simulink and various block sets of MATLAB as a professional software. Few of them are the start-up companies.
- The delegates were happy with the content of course covering basic scripts, functions, block-sets as well as GUI etc.

TOPICS and DELEGATE DETAILS

- **Introduction to MATLAB/Simulink :**
 - Applicability for research projects
 - Using MATLAB Documentation Centre
- **Introduction to Script/.m file**
 - Introduction to Simulink / SimPowersystems
 - Brief Introduction to S-function
 - Studying Test Case on 100kw PV Grid Tied Inverter System
- **Hands-on Training**
 - Diode Bridge Rectifier
 - Single Phase Inverter and its FFT
 - -Simulation of 3ph 3-Level Inverter
 - –Buck –Boost Converter
 - Closed loop speed control of 3-ph Induction Motor using PI loop

- **Details of Attendees : Total=35**
- IEEE Members : 12
- Students (UG,PG,PhD) : 15
- Industry ,Consultants : 08

Training to Electrical Professionals on MATLAB ,9th -11th March,2017

2) Career Opportunities in Project Management and Cost Management for Engineers

Category of Event: Professional Connect

Day : 12th Sept., 2017

Brief Description of Event:

Gleeds, is 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.

TOPICS and DELEGATE DETAILS

- Topics are discussed with engineers

- Projects Management
- Programming
- Cost Management
- Cost Planning
- Value Engineering
- Tendering
- Post Contract Cost Management
- Cost Monitoring
- Audits-Cost & Quality
- Health & Safety
- Details of Attendees : **Total=65**

Gleeds Workshop:

3) Cyber Security Workshop:

Category of Event : Workshop

Day : 23rd Sept., 2017

Brief Description of Event :

The workshop contains all required information as basics of CIA principle, the importance of cyber security and awareness regarding the cyber attacks and viruses.

TOPICS and DELEGATE DETAILS

- 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, Antivirus codes in command prompt(cmd), loopholes in Windows, etc. were demonstrated.
- Kali Linux OS.
- Wireless air attack programs such as air-geddon , air cracking were discussed.
- Dynamic frame works 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 Frame workprogram.
- Details of Attendees : Total=45

4) Mentoring of groups along with Industrials Visit:

- Category of Events : Industry Visit
- Day : 9th August,2017 ,13th Sept.,2017,20th Sept.,2017
- Venue: Barclays,Hinjewadi,Pune
- Organizer's Details : IEEE Young Professionals
- Brief Description of Event:
 - The Young professionals of IEEE Pune Section came forward with an idea of arranging industry – visit for other young professionals. The event got planned and executed three times, allowing more than 25 engineers from in and around Pune to visit Barclay.
- The visit was coordinated by Dr. Surekha Deshmukh – Chair YP Affinity group and members from Barclays during August and September.