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PART A - SECTION SUMMARY

A.1 Executive Summary

The Executive summary of Section report for the year 2018 has been arranged in the following sections.

- Section Executive Committee Member List
- Section Highlights
- Major Events (International, National)
- Major Chapter Activities
- Major Student and Affinity Group Activities
- Awards

Section Executive Committee Member List

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

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Name</th>
<th>IEEE Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. Dinanath Kholkar</td>
<td>Chair, IEEE Pune Section 2018</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Girish Khilari</td>
<td>Vice Chair, IEEE Pune Section, 2018, Chair, Industry Relations</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Rajashree Jain</td>
<td>Secretary, IEEE Pune Section 2017, 2018</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Surekha Deshmukh</td>
<td>Treasurer, IEEE Pune Section, 2017, 2018, Chair, YP Affinity Group 2018</td>
</tr>
<tr>
<td>5</td>
<td>Dr. D.J. Doke</td>
<td>Chair, PES/IAS Chapter 2018, Chair, Pune Section 2013</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Rajesh Ingle</td>
<td>Chair, Computers Chapter 2018, Chair, IEEE Pune Section 2014</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Rupali Kamathe</td>
<td>Chair, Signal Processing Society Chapter, 2018</td>
</tr>
<tr>
<td>9</td>
<td>Prof. Kalyani Kulkarni</td>
<td>Communication Chapter 2018</td>
</tr>
<tr>
<td>10</td>
<td>Dr. Vivek Deshpande</td>
<td>Chair, Education Society</td>
</tr>
<tr>
<td>11</td>
<td>Dr. S.L. Patil</td>
<td>Chair, Instrumentation &amp; Measurement Society 2018</td>
</tr>
<tr>
<td>12</td>
<td>Mrs Lekha Phijo</td>
<td>Chair, WIE AG</td>
</tr>
</tbody>
</table>
Execom meetings were held in the year 2018 and were well attended by the members. Each meeting had its own agenda, and served the purpose of section growth in various ways. Minutes of the meetings were shared with members for approval. AGM of the section was held on 5 Jan 2019. Below are the details of them.

<table>
<thead>
<tr>
<th>Meeting Number</th>
<th>Meeting Date and Time</th>
<th>Venue</th>
<th>No. of Members attended</th>
<th>Major Points of Discussion</th>
</tr>
</thead>
</table>
| 1              | Saturday, 27 Jan 2018; 6.00 PM to 7.00 PM | Institute of Engineers India, Pune Local Centre, Sivaji Nagar, Pune | 7 | • Section Student Activities  
• Industry Participation  
• Possible collaboration with global communities |
| 2              | Saturday, 24th February 2018; 6.00 PM to 8.00 PM | Institute of Engineers India, Pune Local Centre, Sivaji Nagar, Pune | 10 | • Membership development  
• Final list Execom members 2018  
• PUNECON 2018 –Preparation |
<table>
<thead>
<tr>
<th>Day</th>
<th>Date/Event</th>
<th>Time</th>
<th>Location</th>
<th>Agenda</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Saturday, 24th March 2018</td>
<td>6.00 PM to 8.00 PM</td>
<td>Tata Consultancy Services, Nyati Tiara, Pune</td>
<td>Pre Meeting - Section Student Representative of Introduction and meeting. Invited Speaker- Professional Member- Mr. Amol Gulhane.- Entrepreneur Meeting Points - Best Practices committee and Finance committee were formed - Action point discussion on sick and dormant branches - Plan to propose section level awards to volunteers and Students branches. - Late Shri Pralhad Chhabira WIE Awards – 2018 Announcement</td>
</tr>
<tr>
<td>4</td>
<td>Saturday, 28 April 2018</td>
<td>5.30.00 PM - 8.00 PM</td>
<td>Conference Room, Tata Consultancy Services, Nyati Tiara, Pune</td>
<td>Plan for membership drives - Energy Audit - Plan for National Level WiE Symposium - IEEE IC team visit plan - Plan and collaboration of World Telecommunication Day in association with Institute of Engineers</td>
</tr>
<tr>
<td>5</td>
<td>27th May 2018</td>
<td>6.30 PM to 7.30PM</td>
<td>Institute of Engineers India, Pune Local Center, Pune (IE, Pune)</td>
<td>Updates from Section chapters - Progress on WIESYMPOSIUM</td>
</tr>
<tr>
<td>6</td>
<td>23 June 2018</td>
<td>3PM to 5.00PM</td>
<td>TCS, Sahyadri Park, IEEE India Council F2F Meeting and IEEE Pune Section Meeting</td>
<td>WIE Symposium completion - Late P P Chhabria Awards for WIE Distribution - SIG on Affordable Agriculture</td>
</tr>
<tr>
<td>Date</td>
<td>Time</td>
<td>Location</td>
<td>Event</td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------------</td>
<td>--------------------------------------------------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>7 5.00PM to 6.30 PM</td>
<td>Saturday, 14 July 2018</td>
<td>Raja Dinkar Kelkar Museum, Pune</td>
<td>• Museum Tour&lt;br&gt;• Support in its digital initiatives in association with student branch members(Website, social media, branding).&lt;br&gt;• Membership drives&lt;br&gt;• PUNECON18 conference updates</td>
<td></td>
</tr>
<tr>
<td>8 18 August 2018, 2.00PM to 4.30 PM</td>
<td>Symbiosis Institute of Technology, Pune</td>
<td>21&lt;br&gt;• Report regarding ICCUBEA 18&lt;br&gt;• Discussion on quality of conferences&lt;br&gt;• PUNECON conference updates&lt;br&gt;• Recce of PUNECON 2018 Venue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Tuesday, 2 October 2018 10AM to 12.30 AM</td>
<td>Residence of Prof. G S Mani</td>
<td>10&lt;br&gt;• IEEE Day Celebration&lt;br&gt;• Formation of Nomination committee 2017&lt;br&gt;• IEEE Pune Section Awards-Applications open&lt;br&gt;• Lunch -hosted by Prof. Mani’s family</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 17 November 2019, 5PM to 8PM</td>
<td>Bio Era, Tathawade, Pune</td>
<td>11&lt;br&gt;• Technology and Agriculture&lt;br&gt;• Bio Era facilities visit&lt;br&gt;• PUNECON Progress discussion&lt;br&gt;• HAC funds to our SIG AA project&lt;br&gt;• Slate for 2019 approval and open for petitions if any</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 1 December 2018, 2PM to 4 PM</td>
<td>Symbiosis International University, Lavale Gram, Pune</td>
<td>12&lt;br&gt;• Successful launch of PUNECON2018&lt;br&gt;• PUNECON 2019 Host approval</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section Highlights

Formed in the year 2010, IEEE Pune Section has a membership of about 1500 members. The section comprises of six Professional chapters (Signal Processing, Communications, Instrumentation & Measurement, Computers, Electrical Power Engineering, and Education). There are about 26 active Student Branches in different Engineering Colleges of Pune. There are two affinity groups WIE and Young Professionals (earlier referred as GOLD). We also have special activity groups to manage student activities, conference sponsorship requests, industry relations, membership development, and website and newsletter activities.

This year we have formed two special groups one for SIG in Affordable Agriculture and another for Awards Committee for section volunteers.

Section WIE AG was instrumental in launch of Late shri P P Chhabria awards. The awards were instituted by Hope foundation in association with IEEE IC and WIE AG Pune section. There are two awards. Awards are for best outgoing student-female and best women engineer early career. Each award consists of Rs. 1.25 Lakhs, a medal and citation.

Section communicates with its members through E-mails, E-notices and through regular updates on the section website: https://ieeepunesection.org/ and monthly reports. The sections also have published newsletters and are available on the section website. The section also had used telecons for certain special projects and initiatives.

Major Section Events

IEEE Pune Section had a very busy calendar in the year 2018.

1. Section activities gathered momentum right in the month of January 2018 itself, with the Curriculum Design Workshop having participants from all leading engineering colleges in Pune being conducted in TCS Sahyadri park office. As an outcome of the workshop, Pune based BVU COE was shortlisted as one of the three colleges in India
where the newly launched Computer Science and Business Systems course is being piloted. The course eventually got AICTE approval and will now be deployed across the country.

2. The section for the first time conducted IEEE PuneCon 2018 on 30th November, 1st December, 2nd December, The planned international Conference on Data Science and Analytics was jointly organised by IEEE Pune Section and Symbiosis Institute of Technology, Pune.

3. IEEE Pune Section in association Pune and Austin city Municipal Corporations conducted a Hackathon in the area of smart City. It was held at PICT on 30 September 2018.

4. The Section Chair conducted a lecture series on industry 4.0.

5. Successful launch of Late shri Pralhad Chhabria Awards 2018, in association with WIE AG Pune, IEEE India Council and Hope Foundation.

6. WIE affinity in association with IEEE India Council organized national level WIE Symposium at I^2IT, 22 and 23 June 2018.

7. The Section is recipient of funds from IEEE foundation and IEEE HAC for section’s SIG in affordable agriculture. The funds received will be utilized to create technology awareness with farmers, develop technological tools for affordable agriculture and support farming community and encourage eco-friendly farming.

8. Student branch from MIT WPU hosted IEEE Signal Processing chapter Winter School in association with SP society chapter, its student branch and IEEE Pune section.

**Major Chapter Activities**

**Computer Society chapter**


2. IEEE Computer Society Distinguished Visitor Program - Speaker visit and talk series (29 November – 3 December, 2018)

3. Conferences Technical Support - Punecon2018

   **PES-IAS Computer Society chapter**

4. Energy Audit Walkathon for banking sector

5. Project competition

**Signal Processing Society chapter**

1. Mathematical modeling workshop

2. SP-Winter School
Education Society Chapter

Major Students and Affinity Group Activities

1. We started a practice new practice of appointing Section Student Representatives along with two other co SSRs to facilitate broader participation and increased bandwidth.

2. To work on improving the quality of life of farmers in association with Six partner SBs, SIG for affordable agriculture was initiated. Project proposals submitted to IEEE foundation and IEEE HAC were approved. This will definitely help in SBs capacity building.

3. Most of the chapter activities were conducted in association with Student branches. Few are listed below
   a. AISSM’s IOIT conducted Student Solar Ambassadors Workshop, Workshop on IoT for Affordable Agriculture
   b. PICT student branch organized Austin-Pune International Hackathon: Smart Cities
   c. I²IT Pune SB, supported national level WIE Symposium held on 22 and 23 June 2018


5. WIE affinity group in association with IEEE India Council organized national level WIE Symposium at I²IT Pune, 22 and 23 June 2018.

6. YP STEP – Design Thinking workshop

7. Career Support App Launch

Awards and Achievements

1. The section launched Late Shri P P Chhabria Awards for best outgoing Student in STEM and Women engineer in her early career stages. Ms Jayati Vijayawargiya and Dr. Soma Biswas. The awards were open to Indian nationals and exclusive only to IEEE members. The other criterion for evaluation was demonstration of originality and innovation in the respective field/s of work was mandatory. Each award is a cash prize of ` 1,25,000/, a medal and a citation.

2. Section for the first time instituted awards for the section volunteers. Some of the awards given away for the year 2018 are
   - Best SB Chair,
   - Inspiring SB Volunteers,
• Best Branch counsellor,
• Emerging branch of the section.

3. Section’s efforts in setting up SIG in affordable agriculture related activities were well received. Section is in receipt of considerable amount of funds from IEEE foundation, IEEE HAC to continue our efforts more rigorously for the cause.

4. Section also has received incentives from Region 10 for conducting various activities, active participating in section, national and regional level activities and timely submission of reports from the section.

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

• Summary (as per submitted L50)

The following are the summary as on 31 December 2018.

Closing balance as on December 2017=INR(Rs.3,502,761.25-Rs.737,689.83)= INR 2765072

<table>
<thead>
<tr>
<th>Current Assets</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bank</td>
<td></td>
</tr>
<tr>
<td>70217 - Bank of India PUNE</td>
<td>Rs.2,774,549.44</td>
</tr>
<tr>
<td>74838 - Bank of India PUNE (WIE Summit 2016)</td>
<td>Rs.737,689.83</td>
</tr>
<tr>
<td>Total Bank</td>
<td>Rs.3,512,239.27</td>
</tr>
<tr>
<td>Accounts Receivable</td>
<td></td>
</tr>
<tr>
<td>74317 - Reserve Allocation Receivable</td>
<td>Rs.3,657.53</td>
</tr>
<tr>
<td>Total Accounts Receivable</td>
<td>Rs.3,657.53</td>
</tr>
<tr>
<td>Other Current Asset</td>
<td></td>
</tr>
<tr>
<td>90121 - VAT on Purchases IN</td>
<td>Rs.545.00</td>
</tr>
<tr>
<td>Total Other Current Asset</td>
<td>Rs.545.00</td>
</tr>
<tr>
<td>Total Current Assets</td>
<td>Rs.3,516,441.80</td>
</tr>
<tr>
<td>Fixed Assets</td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>19010 - Furniture &amp; Equipment</td>
<td>Rs.20,000.00</td>
</tr>
<tr>
<td><strong>Total Fixed Assets</strong></td>
<td><strong>Rs.20,000.00</strong></td>
</tr>
</tbody>
</table>

| Current Assets Less Current Liabilities          | Rs.3,516,441.80 |
| Total Assets Less Current Liabilities            | Rs.3,536,441.80 |
| Long Term Liabilities                            |       |
| 74246 - Reserve Allocation Payable               | Rs.33,680.55 |
| **Total Long Term Liabilities**                  | **Rs.33,680.55** |

| Total Assets Less Total Liabilities              | Rs.3,502,761.25 |
| Capital and Reserves                             |       |
| Retained Earnings                                | Rs.1,142,280.55 |
| Net Income                                       | Rs.2,360,480.70 |
| **Total Capital and Reserves**                   | **Rs.3,502,761.25** |

- Any other financial activities
  1. Section conducted for the first section owned conference-PUNECON2018 and National level WiE Symposium.
  2. Section has received funds from IEEE Foundation and IEEE HAC
  3. Section is also in association with Hope foundation for awarding outstanding
PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

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

<table>
<thead>
<tr>
<th>Membership Status</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>LS</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>SM</td>
<td>48</td>
<td>53</td>
<td>53</td>
</tr>
<tr>
<td>SM Total</td>
<td>51</td>
<td>56</td>
<td>56</td>
</tr>
<tr>
<td>LM</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>M</td>
<td>339</td>
<td>362</td>
<td>372</td>
</tr>
<tr>
<td>M Total</td>
<td>341</td>
<td>363</td>
<td>373</td>
</tr>
<tr>
<td>AM</td>
<td>11</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>AM Total</td>
<td>11</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>GSM</td>
<td>135</td>
<td>94</td>
<td>96</td>
</tr>
<tr>
<td>GSM Total</td>
<td>135</td>
<td>94</td>
<td>96</td>
</tr>
<tr>
<td>Higher Grade Total</td>
<td>539</td>
<td>528</td>
<td>539</td>
</tr>
<tr>
<td>StM</td>
<td>729</td>
<td>842</td>
<td>873</td>
</tr>
<tr>
<td>StM Total</td>
<td>729</td>
<td>842</td>
<td>873</td>
</tr>
<tr>
<td>Grand Total</td>
<td>1268</td>
<td>1370</td>
<td>1412</td>
</tr>
</tbody>
</table>

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

- A design thinking workshop was organized in the August by the Section with the help of Industry experts on how to improve memberships.

- Membership drive and member benefit bulletins were part of all section, chapter, AG and SB activities.
• The Chairman in his lecture series on Industry 4.0 also emphasized on IEEE membership in all his sessions and opening remarks during meetings.

• Section members visited various new colleges, organizations, different industry to dwell upon the importance of membership for the professional career growth.

• SBs having less or no membership were revived.

• A volunteer like Ms. Nidhi Parakh (WiE with a career break) was involved in streamlining student branch activities memberships.

B.2 Chapter Activities

• Total number of Chapters in the Section

  6- Six

  1. Joint Chapter PES/IAS
  2. Computer Society Chapter
  3. Communication Society Chapter
  4. Signal Processing Society Chapter
  5. Education Society Chapter
  6. Instrumentation and Measurement Society Chapter

• Number of Chapters formed in the current year

  Control Systems- Under Progress

• Number of active Chapters (Chapters who have reported required number of meetings during the year)

  4- Five
• Summary of Chapter activities (Chapter wise with attachment table/information)

**Summary of activities of Computer Society Chapter**

1) **Software Testing and Quality Assurance workshop**  
(28 July, 2018 – 5 August, 2018)

2) **Austin-Pune International Hackathon: Smart Cities**  
(8 September, 2018)

3) **IEEE Computer Society Distinguished Visitor Program Speaker visit and talk series**  
(29 November – 3 December, 2018)

4) **Talk on ‘Blockchain Technology’**  
(14 December, 2018)

5) **Webinar on “Writing papers and ethics in publishing”**  
(22 December, 2018)

6) **Conferences Technical Support**
   - **International conference on knowledge discovery in science and technology 2018** (27-28 February, 2018)
   - **IEEE PuneCon 2018** (30 November-2 December, 2018)
   - **National conference on machine learning for data science and IoT (MLDI 2019)** (8-9 February, 2019)

**Summary of activities of PES/IAS Society Chapter**

1) **The chapter executive committee held 4 meetings in the PVG’s College of Engineering on the following dates: 4th April 2018, 9th July 2018, 26th September 2018, 3rd November 2018**

2) **Project Competition for UG & PG Students of Electrical Engineering in Maharashtra**

3) **Workshop on MATLAB for Electrical Engineers**

4) **Walk Through Energy Audit of Banking Sector**
# Summary of activities of Education Society Chapter

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Event</th>
<th>Date of Conduction</th>
<th>No. of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>“Cyber Security Awareness Camp” at ZCOER</td>
<td>19th July 2018</td>
<td>350</td>
</tr>
<tr>
<td>2</td>
<td>“Website Development Workshop” at ZCOER</td>
<td>7-9 Sep. 2018</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>“Python Programming Training” At ZCOER</td>
<td>20 Dec-5 Jan 2019</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>“Are you Ready for Industry 4.0” by Dr. Suresh Borkar (Chicago) at Modern College Of Engineering, Pune jointly organized by PMA and IEEE Education Society Pune</td>
<td>28-12-2018</td>
<td>35</td>
</tr>
<tr>
<td>5</td>
<td>Technology Awareness Seminar conducted by Dr. Dattatray Waghole at: Suhas Polytechnic – Daund</td>
<td>15 Jan 2018</td>
<td>70</td>
</tr>
<tr>
<td>6</td>
<td>Technology Awareness Seminar conducted by Dr. Dattatray Waghole at: Karmayogi Polytechnic – Pandharpur</td>
<td>9th Feb 2018</td>
<td>110</td>
</tr>
</tbody>
</table>
Summary of activities of Signal Processing Society Chapter.

1) The chapter conducted 3 administrative meetings
2) Conducted a “Mathematical Modeling in Engineering Discipline” at E&TC Department, P.E.S. Modern College of Engineering, Pune Date: 23rd - 24th January 2018

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>
<thead>
<tr>
<th>Event Name</th>
<th>Date</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-BS curriculum design workshop</td>
<td>4 Jan 2018</td>
<td>TCS Sahyadri park</td>
</tr>
<tr>
<td>WiE Symposium</td>
<td>22,23 June 2018</td>
<td>PIT</td>
</tr>
<tr>
<td>Visit to Pabal Vigyan Ashram</td>
<td>30 July 2018</td>
<td>Pabal</td>
</tr>
<tr>
<td>IOT workshop</td>
<td>27 September 2018</td>
<td>AISSM’s IOIT</td>
</tr>
<tr>
<td>Workshop on precision Agriculture</td>
<td>29 November 2018</td>
<td>College of Agriculture, Pune</td>
</tr>
<tr>
<td>ICCUBEA 2018</td>
<td>July 2018</td>
<td>PCCOE</td>
</tr>
<tr>
<td>PUNECON 2018</td>
<td>30 Nov 2018 - 2 Dec 2018</td>
<td>SIT</td>
</tr>
</tbody>
</table>

B.4 Students Activities

- Total number of Student Branches in the Section – 27
- Number of Student Branches formed in the current year - 03
- Section level student activities (student congress, paper and other contests, awards etc)
<table>
<thead>
<tr>
<th>Event Name</th>
<th>Date</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section Student Meet</td>
<td>February 2018</td>
<td>TCS Nyati Tiara</td>
</tr>
<tr>
<td>SSR election</td>
<td>February 2018</td>
<td></td>
</tr>
<tr>
<td>Section Student Meet and Talk on IP</td>
<td>17 July 2018</td>
<td>AISSM’s IOIT</td>
</tr>
<tr>
<td>Design Thinking Workshop</td>
<td>14 August 2018</td>
<td>MIT WPU</td>
</tr>
<tr>
<td>Industry Visit</td>
<td>September 2018</td>
<td>IBM office</td>
</tr>
</tbody>
</table>

- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)

17

- Summary of Student Branch activities (Student Branch wise with attachment table/information)

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Name of the college</th>
<th>Major Activity</th>
<th>No. of Activities Conducted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>I²IT</td>
<td>IEEE Women in Engineering Symposium 2018</td>
<td>11</td>
</tr>
<tr>
<td>2</td>
<td>AISSMS IOIT</td>
<td>Student Solar Ambassadors Workshop</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Workshop on IoT for Affordable Agriculture</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>RSCOE</td>
<td>Two day intercollegiate workshop on “Introduction to Sixth Sense Robotics”</td>
<td>06</td>
</tr>
<tr>
<td>4</td>
<td>PICT</td>
<td>Austin-Pune International Hackathon: Smart Cities</td>
<td>05</td>
</tr>
<tr>
<td>5</td>
<td>MIT COE</td>
<td>Design Thinking Workshop</td>
<td>03</td>
</tr>
<tr>
<td>6</td>
<td>PCCOE</td>
<td>SS12 Project Competition Prelims 2018</td>
<td>05</td>
</tr>
<tr>
<td>7</td>
<td>BVCOE</td>
<td>Workshop on Embedded System Design</td>
<td>03</td>
</tr>
<tr>
<td>8</td>
<td>DYPCEO</td>
<td>Seminar on Indian Green Building System</td>
<td>03</td>
</tr>
<tr>
<td>9</td>
<td>MCOE</td>
<td>Workshop on Image Processing and Machine Learning using Python</td>
<td>03</td>
</tr>
<tr>
<td>10</td>
<td>JSCOE</td>
<td>National level technical event-TECHMANTHAN-2018</td>
<td>04</td>
</tr>
<tr>
<td>11</td>
<td>COEP</td>
<td>Seminar on “INDUSTRY 4.0”.</td>
<td>01</td>
</tr>
</tbody>
</table>
B.5 Affinity Group Activities

- **Young Professional (YP)**

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Activity detail</th>
<th>Date (s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Workshop on “Start Up and Legal Aspects”</td>
<td>24 Feb 2016</td>
</tr>
<tr>
<td>2</td>
<td>Workshop on “IOT in Agriculture”</td>
<td>27, 28 Sept 2018</td>
</tr>
<tr>
<td>3</td>
<td>STEP – Student Transition &amp; Elevation Partnership program – Grant of USD 500/-</td>
<td>29 Sept 2018</td>
</tr>
<tr>
<td>4</td>
<td>Launch of Activity- “Providing Digital career Guidance” at R10 SYWL congress</td>
<td>30 August- 2 Sept 2018</td>
</tr>
<tr>
<td>5</td>
<td>Digital Career Platform at InterviewReady App of TCS</td>
<td>2018 onwards</td>
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</tbody>
</table>

- **Women In Engineering (WIE) Pune section**

https://www.facebook.com/groups/219876895154980/ for all WiE updates.

1. Late shri Prlahd Chhabria Awards announcement- 12th March 2018,
   
   **Venue :** HFRC’s I2IT. Pune
   
   Ms Jayati Vijayawargiya , Best outgoing student
   
   Ms Soma Biswas, Best Women engineer-Early career stage

2. National level IEEE Women in Engineering Symposium 2018 22nd,23rd June 2018

   **Venue I2IT, Pune**

   **Motto -** Bring back women scientists and engineers to re-join the workforce.

   **Highlights**

   Three tracks Empower , Innovate and Engage.

   About 32 speakers from Industry and research organization guided the gathered audience.

   A focused team of 67 delegates attended the symposium. They represented 12 states . 29 of them were IEEE members.
3. The closing ceremony witnessed one of the historical events of IEEE IC and WIE AG, Pune section.

The prestigious awards are presented by Hope Foundation and Research Centre in association with IEEE India Council and WIE Affinity Group, IEEE Pune Section 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.

Venue: HFRC’s I2IT, Pune

4. SS12 Project Competition Prelims 2018 August 2018

a. Venue: PCCOE, Pune

Motto - Encourage girl students to participate in project competitions in field of engineering

Students have presented the ideas and projects from different areas like Cryptography, ASSISTIVE TECHNOLOGY FOR THE DEAF, Sentiment Analysis, IoT, Automation in Diagnosis, safer and labour free function of railway gate, Ethical hacking, Augmented Reality, Security, Digital System which will be benefited for society

5. IBM PRODUCT SHOW -IBM TPO, Yerwada,

Motto: IT awareness through Industry visits

- The Pune Section of IEEE organized a visit to the IBM product show on August 30, 2018.
- IBM team presented on topics: ✑ QRadar ✑ Cloud Identity Analysis ✑ Watson workspace ✑ Tealeaf ✑ WCA ✑ WMI ✑ Global high availability Mailbox

https://www.facebook.com/groups/219876895154980/

- Life Member NA

B.6 Awards & Recognition Activities

- Award constituted by the Section

Section constituted a committee to propose section level awards for volunteers.

Based on the proposal and applications received, for the first time section gave away awards to recognize outstanding efforts of section volunteers.

IEEE Pune Section Awards.

- Student Branch Counselor of the Year 2018
- AISSMS IOIT, Pune - Student Branch of the Year 2018.
- GH Raisoni – Emerging branch of the Year 2018
- Shubam Dubey - Student Chair of the Year 2018
● Student Volunteer 1) Kimya Kulkarni -VIT  
  2) Aniket Wattamwar -VIT  
  3) Shashank Prasad –VIT  

● Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year 2015.

Volunteers have not applied. Section is planning to support on this in the coming years.

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

● Newsletter (name and number of issues in the year)  
  4 Quarterly reports on E notice, 4 Newsletter and monthly updated as e Notices.  
  4 Issues for the year 2018

● Home Page of the Section (give the URL and how often it is updated)  
  - https://ieeepunesection.org/

● Other means of contacts with Section members including social media

FB page:

IEEE Pune Section Student Council

IEEE WIE PUNE

B.8 Industry Relations

● Membership growth and retention

  ● Meeting with industries and forums such as TCS, IBM, VERITAS, MCCIA, PIC etc.

  ● Partnership established with BioERA and ROBOCON

  ● Partnership established with NGS like JIVITNADI and MANAVLOK and Swapanbhumi

● Activities for/with industrial members

  ● Created foundation for startups through Pune-Austin sister city initiatives.

  ● Created a platform for industry to participate in conference through PUNECON

  ● Engaged industry professionals for professional development, project mentoring and section volunteerism.

  ● Provided an opportunity for WIE to be engaged back after a career break.
B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
- Formation of Special Interest Group (SIG) for Affordable Agriculture set up (Dec 2017)
- Consortium of six leading engineering colleges, Bhau (Incubation center of COE Pune) and Government Agriculture College formed to drive the initiative (Mar)
- Seminar on agriculture domain organized in Agriculture College (May)
- Inclusion of Agriculture track in PuneCon (May)
- Project overview presented to IEEE India Council (Jun)
- Mentorship from stalwarts like Dr Mashelkar (Mar) and Mr F C Kohli (Jun)
- Funding request proposals submitted to IEEE Foundation and HAC (Jul, Aug)
- MOUs signed with the six engineering colleges. Affordable Agriculture labs to be set up to help farmers (Aug)
- Organized IOT for Agriculture workshop conducted by Texas Instruments University (Sep)
- Project funding request of USD 30000 approved by HAC (Oct) and USD 50000 (Foundation)
  - (Project Specifics – Setting up of FPO at two sites, Affordable Agriculture labs to execute projects in six institutes, induction/training for 400 farmers, marketing of farm produce)

The project involves partnering with two NGOs and one start up with a view to create conviction about collective, ecofriendly and scientific farming amongst small farmers.

- SIGHT Activities
  - Section is planning to form a group.

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)"

<table>
<thead>
<tr>
<th>Name of the activity</th>
<th>Date</th>
<th>Venue</th>
</tr>
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<tbody>
<tr>
<td>WIE-Chhabria Awards for Women Engineers</td>
<td>12 March 2018</td>
<td>HFRC’s IIT</td>
</tr>
<tr>
<td>WIE symposium and Chhabria Awards distribution</td>
<td>22,23 June 2019</td>
<td>HFRC’s IIT</td>
</tr>
<tr>
<td>Pabal Vigya Ashram Visit</td>
<td>30 July 2018</td>
<td>Pabal village</td>
</tr>
</tbody>
</table>
| Kelkar Museum  
IEEE section support towards digital initiatives of the museum | 17 July 2018 | Raja Dinakar Kelker Museum |
<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>Solar workshop</td>
<td>2 October 2018</td>
<td>AISSMS’s IOIT</td>
</tr>
<tr>
<td>IEEE Day Oath Taking Social Outing</td>
<td>2 October 2018</td>
<td>G S Mani’s Residence</td>
</tr>
<tr>
<td>Meeting at TCS, BioEra</td>
<td>17 November 2018</td>
<td>BioEra</td>
</tr>
<tr>
<td>AGM /Family Day</td>
<td>5 Jan 2019</td>
<td>Pune Police Research Centre</td>
</tr>
<tr>
<td>Awareness/training programmes conducted for farmers</td>
<td>continuous</td>
<td>Farming locations</td>
</tr>
</tbody>
</table>

**PART C - OTHERS**

**C.1 Special Events**

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

1. Curriculum developed through IEEE workshop was rolled out in 3 colleges across the country and the same has been formally accepted by AICTE for nation wide adoption.

2. Formation of Special Interest Group (SIG) for Affordable Agriculture resulted in good momentum and culminated in funding from HAC and Foundation.

3. Efforts of signing up of MOU with Hope foundation, IEEE IC and WIE AG Pune resulted in Two awards for WIE for the next three years.

4. Funding secured from the IEEE and external sources including sponsorships.
   - a. IEEE Foundation – USD 5000
   - b. IEEE HAC-USD 30000
   - c. IEEE R10 – USD 2500
   - d. IEEE R10 – WIE-USD 500
   - e. IEEE R10- PES-IAS USD 500
   - f. HOPE Foundation - INR 250000 for three years starting from 2018
C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Nature of relationship and details of any formal agreement signed –
  1. FOR SIG AA-
     a. six colleges, BHAU Institute, College of Agriculture and Two NGOs. Jivinadi and Manavlok and industry partner BioEra
  2. Hope Foundation for the Late shri Chhabria Awards

- Details of joint activities
  1. SIG AA proejcts running at partner locations
  2. Late Shri Chhabria Awards-In association with Hope Foundation, IEEE IC and WIE AG, Pune section rolled out from 2018
  3. Workshops, DL, Conference tracks are arranged for the stakeholders of SIGAA.

- Benefit to IEEE members (for example discounts, access to technical information etc.)
  a. All initiatives had membership discount in registration fees if any
  b. Late shri Chhabrai awards are only for members of IEEE in India.
  c. SB members getting opportunity to work for SIGAA

- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)
  All the above initiatives are helping sections’ brand building, capacity development, facility creation and cost saving of the initiatives proposed.

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
  1. Hosted Execom meeting/Dinner of IEEE India Council members
  2. Sola Lamp making workshop was in association with Bombay section
  3. National level WiE Symposium was held in association with IEEE IC, WIE SB and other WIE groups
  4. Chhabria awards are in association with IEEE India Council
  5. Members from Section participated in national and regional level activities.

- Joint activities with any other Section
  Student Branch related issues are discussed for resolving with Bombay section
C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organising technical, educational and professional activities
  1. Student Branches Within the reach of Pune, listed under other sections were still mentored, and supported.
  2. Computer Society Chapters DL- Was shared by both Pune and Bombay
  3. WIE symposium and Chhabria Awards are joint efforts of chapters within section and IEEE India council
- Joint activities for membership development
  - Design thinking workshop
  - IP strategy workshop
- 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)

- Collaboration with Industry, Community partners have resulted into a great momentum within section members.
- Formation of SIG AA has opened up new areas for project proposal consideration
- Has created positive environment among the members
- Starting of section owned conference
- Setting up of awards in association with Hope foundation
- 

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

- Volunteer identification, training and retention – Funded project proposals, member levation, support for award applications
- Active Student branches- Incentives in terms of awards, projects, travel support etc.
- Industry participation -
- Membership renewal-
- Conference quality- strengthening peer review process, time for preparation
PART D - GOALS AND PLANS

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

- Will follow a Three(many) years horizon view and 4 quarter execution view in SIG AA-IEEE Foundation and IEEE HAC projects- Effective implementation of these projects is a priority for section for the year 2019. Focus will also be on continuity from the past and sustainability in the future.

- 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 content to market the benefits of being part of IEEE Pune section. It 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

D.2 Goals and Future Plans

- Alignment of Pune context with IEEE vision and mission

- PuneCon 2019

- Special Interest Group for Affordable Agriculture

- Education focus- STEM to STEAM

- Alignment of professional development activities towards Industry 4.0
- International Conferences
- Membership growth
- Strengthening Student Branch Activities
- Strengthening leadership and operations of societies
- Enable Young professionals section activities,
- Alumni involvement from Institutes
- Student community to remain as a big focus area
- Enhance industry participation
- Create special initiatives to drive key themes
- Focus on enhanced growth and maturity of the section

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


- Membership Development- Leverage on the Pune’s potential in terms of presence of higher education institutes, multiple industries like manufacturing, automobile, power and energy, and IT/ICT based and Pune as cultural centre of Maharashtra state in India.
- Drive a well-designed campaign to enroll new members from academia and industry
- Host at least 2 major paid events in the year like conferences, symposiums/ DLs.
- Organize events like job fairs for providing placement and internship opportunities.
- Explore partnerships and funding opportunities with IEEE and other research institutes for technology development for the benefit of humanity.
- Creation of an inclusive environment will help member retention. Section will try design and develop activities for each member category.
Student Branch Members meet with Section Execom-Feb 2018

LSPPC Awardees with IEEE IC and Pune Team
Jayati Vijaywargiya who won the Best Female Student (Outgoing Student Category) 2018

Late Shri P P Chhabria Awards
Glimpses of Pune Section Activities
Activities of SIG in Affordable Agriculture-1
Activities of SIG in Affordable Agriculture-2