### PART A - SECTION SUMMARY

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

- Section Executive Committee Member List

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Dr. M. Shahid Shaikh</td>
<td>Section Chair</td>
</tr>
<tr>
<td>Prof. Dr. M. Shahab Siddiqui</td>
<td>Section Vice Chair / TISP Coordinator</td>
</tr>
<tr>
<td>Prof. Dr. Tariq Rahim Soomro</td>
<td>Section Secretary</td>
</tr>
<tr>
<td>Eng. Murtaza Hanif</td>
<td>Section Treasurer</td>
</tr>
<tr>
<td>Prof. Dr. B. S. Chowdhary</td>
<td>Communication Society Chapter Chair / Conference Coordinator</td>
</tr>
<tr>
<td>Dr. M Sadiq Ali Khan</td>
<td>Computer Chapter Chair</td>
</tr>
<tr>
<td>Parkash Lohana</td>
<td>SIGHT Coordinator / Education Coordinator</td>
</tr>
<tr>
<td>M. Hanan Daudpota</td>
<td>Young Professional Chair</td>
</tr>
<tr>
<td>Tahir Saleem</td>
<td>PES Chapter Chair</td>
</tr>
<tr>
<td>Atif Fareed</td>
<td>Student Activities Committee Chair</td>
</tr>
<tr>
<td>Mr. Saifullah Baloach</td>
<td>Section Student Representative</td>
</tr>
<tr>
<td>Dr. Asim ur Rehman</td>
<td>Member</td>
</tr>
<tr>
<td>Dr. Syed Hayder Abbas</td>
<td>Member</td>
</tr>
<tr>
<td>Moiz ur Rehman</td>
<td>Membership Development Chair</td>
</tr>
<tr>
<td>Saqib Munawwar</td>
<td>Member</td>
</tr>
<tr>
<td>Dr. Bushra Naeem</td>
<td>Member / Chair WIE</td>
</tr>
<tr>
<td>Mumtaz Hussain</td>
<td>Member</td>
</tr>
<tr>
<td>Noorali Amarsi</td>
<td>Member</td>
</tr>
</tbody>
</table>
Rabeet Sagri  Member
Khalid Bin Mohammad  Member

- **Section Highlights**
  1st Karachi Section Officers Meeting : Karachi Section  19-01-19 17:00
  IEEE Karachi Section AGM 2018 Meeting : Karachi Section  26-01-19 18:35
  1st IEEE Karachi Section ExCom Meeting : Karachi Section  09-02-19 18:25
  2nd IEEE Karachi Section ExCom Meeting : Karachi Section  30-03-19 17:50
  2nd Meeting of 2019 Karachi Section Officers : Karachi Section  22-04-19 17:30
  3rd IEEE Karachi Section ExCom Meeting : Karachi Section  02-05-19 18:00
  3rd IEEE Karachi Section Officers Meeting : Karachi Section  28-05-19 18:00
  4th IEEE Karachi Section ExCom meeting & Eid Milan Party : Karachi Section  16-06-19 18:00
  IEEE Karachi Section 4th Officers meeting : Karachi Section  09-08-19 17:45
  5th ExCom meeting of 2019 Karachi Section : Karachi Section  18-08-19 18:00
  6th ExCom of 2019 Karachi Section : Karachi Section  18-08-19 18:30
  5th Meeting of 2019 Karachi Section Officers : Karachi Section  14-09-19 18:10
  6th Meeting of 2019 Karachi Section Officers : Karachi Section  06-11-19 18:25
  7 th ExCom Meeting of 2019 Karachi Section : Karachi Section  19-11-19 18:15
  8th ExCom Meeting of 2019 Karachi Section : Karachi Section  14-12-19 14:30
  7th Meeting of 2019 Karachi Section Officers: Karachi Section  31-12-19 17:45

- **Major Events (International, National)**
  IEEE Karachi Section support 5 conferences: iCoMET 2019 (January 2019), PAF-KIET INTELLECT (November 2019), IBA Karachi ICICT (November 2019), IQRA ICEEST (December 2019) and IoBM MACS-13 (December 2019). Total 8 ExCom meetings along with 7 Officers meeting and 3 Non-Technical gatherings including IEEE Day as community service activity, PSYWC 2019 and 1 Annual General Meeting.

- **Major Chapter Activities**

  **Computer Society Activities**
  One Day Seminar on future technology  31-10-19 9:00
  Big Data and Its Applications  24-10-19 10:00
  Data Science, AI and Internet of Things  16-10-19 10:00
  Ethical Hacking Workshop  08-10-19 9:00
  International conference based on Information Security and Communication Technology  09-03-19 8:00
  Hands-on Workshop on Python  12-02-19 9:00

  **Communication Society Activities**
  Photonics and Optical Technologies : Karachi Section Chapter, COM19  02-05-19 15:00
  World Telecommunication and Information Society Day (WTISD) : Karachi Section Chapter, COM19  17-05-19 11:00
  Seminar on Scholarship and Research Opportunities for Graduating Engineers in Telecommunication Engineering : Karachi Section Chapter, COM19  23-08-19 10:00
  4th IEEE Communications Society Karachi Seminar : Karachi Section Chapter, COM19  10-10-19 14:00

  **Power & Energy Society Activities**
  IEEE PES KARACHI CHAPTER 1st TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31  14-02-19 18:00
  IEEE PES KARACHI CHAPTER 2nd TECHNICAL SEMINAR 2019 : Karachi Section  19-03-19 17:00
Chapter, PE31

IEEE PES Karachi - 3rd TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31 22-04-19 17:30
IEEE PES KARACHI CHAPTER 4TH TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31 28-06-19 17:00
5th PES Seminar : Karachi Section Chapter, PE31 31-07-19 17:00
IEEE PES KARACHI CHAPTER 6th TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31 27-08-19 18:00
IEEE PES KARACHI CHAPTER 7th TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31 30-09-19 17:00
7th PES Seminar : Karachi Section Chapter, PE31 30-09-19 17:00
8th PES Seminar : Karachi Section Chapter, PE31 22-10-19 17:00
9TH PES SEMINAR : Karachi Section Chapter, PE31 26-11-19 17:30
10TH TECHNICAL ACTIVITY [ PANEL DISCUSSION] : Karachi Section Chapter, PE31 04-12-19 17:00

- Major Student and Affinity Group Activities

1st IEEE Karachi Section Student branches Chairs Meetup : Karachi Section 05-07-19 15:00
VOLT & S-PAA : Karachi Section 27-07-19 9:30
3RD MEETING OF SAC IEEE KARACHI SECTION. : Karachi Section 06-08-19 15:00
IEEE VOLT AND SPAA 2.0 : Karachi Section 05-10-19 10:30
IEEE DAY 2019 1.0 by IEEE Karachi Section : Karachi Section 05-10-19 13:05
IEEE Karachi Section Joint SB Meetup : Karachi Section 09-10-19 9:30
IEEE DAY 2019 2.0 BY IEEE KARACHI SECTION : Karachi Section 09-10-19 13:00
IEEE DAY 2019 3.0 The Grand Celebration BY IEEE KARACHI SECTION : Karachi Section 19-10-19 9:00
IEEE Karachi Section Joint SB Get together : Karachi Section 19-10-19 12:00
4th SAC meeting with DHA Suffa : Karachi Section 17-08-19 15:00
5th Meeting of SAC IEEE Karachi Section : Karachi Section 26-09-19 15:00
SAC Travel to Sukkur : Karachi Section 24-08-19 5:08
1st meeting of SAC IEEE Karachi Section : Karachi Section 26-04-19 15:00
Headshot ’19 : Bahria University Karachi 26-04-19 10:00
All Society Meeting : Bahria University Karachi 06-08-19 11:00
BUKC Societies Open House : Bahria University Karachi 25-09-19 8:30
BUKC Student Week ’19 : Bahria University Karachi 02-12-19 0:30
Digitize the Analog : Habib University 14-11-19 17:30
Is the DNA Programmable ? : Habib University 05-12-19 17:45
Hardware Accelerators for Reservoir Computing : Habib University 23-12-19 17:15
MATLAB Workshop 2019 : Pakistan Naval Engineering College 09-02-19 10:00
Raspberry Pi workshop : Pakistan Naval Engineering College 08-03-19 15:00
PLC workshop : Pakistan Naval Engineering College 09-03-19 9:00
IOT workshop : Pakistan Naval Engineering College 10-03-19 9:00
CONFEX : Pakistan Naval Engineering College 27-04-19 9:00
Tech Talk on Digital Minimalism : Pakistan Naval Engineering College 03-10-19 11:20
Scavenger Hunt : Pakistan Naval Engineering College 03-10-19 15:00
A visit to DICE at Lahore : National Univ Computer & Emerging Science-Karachi 08-03-19 0:00
Python Workshop : Jinnah Univ for Women 28-08-19 10:30
Artificial intelligence and Malaysian Collaboration for research : Jinnah Univ for Women 04-09-19 10:30
Electrical, Fire, Health and Safety Training : Hamdard Inst of Engineering & 04-03-19 9:00
<table>
<thead>
<tr>
<th>Event Description</th>
<th>Venue</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>INMIC’18 Volunteer Certificates Distribution Ceremony : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>11-03-19</td>
<td>12:00</td>
</tr>
<tr>
<td>Hamdard University and Transformation Professionals Private Limited Handshaking Ceremony : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>08-05-19</td>
<td>0:45</td>
</tr>
<tr>
<td>2 Month Course on Machine Learning by Dr. Moinuddin Ahmed : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>09-06-19</td>
<td>12:10</td>
</tr>
<tr>
<td>Full Day Workshop on Machine Learning by Dr. Moinuddin Ahmed : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>01-07-19</td>
<td>9:00</td>
</tr>
<tr>
<td>Initiation of a Environment, Health and Safety measure at Hamdard University : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>01-07-19</td>
<td>15:00</td>
</tr>
<tr>
<td>Basics Of Assembly Language - Workshop : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>28-08-19</td>
<td>13:00</td>
</tr>
<tr>
<td>Introduction to using Assembly Language with C/C++ - Workshop : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>03-09-19</td>
<td>13:00</td>
</tr>
<tr>
<td>Seminar on CISCO and Huawei IT Certification : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>09-10-19</td>
<td>10:30</td>
</tr>
<tr>
<td>Seminar on Free Education in Germany : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>09-10-19</td>
<td>11:30</td>
</tr>
<tr>
<td>Hands-on Workshop on â€œDigital Logic Analyzerâ€ : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>22-10-19</td>
<td>13:00</td>
</tr>
<tr>
<td>Internship Experience by Engineering Students : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>28-10-19</td>
<td>10:30</td>
</tr>
<tr>
<td>Engineers Day 2019 Celebrations : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>30-10-19</td>
<td>10:30</td>
</tr>
<tr>
<td>HIET Student Branch Member Meeting : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>30-10-19</td>
<td>12:30</td>
</tr>
<tr>
<td>Workshop on Outcome-Based Education : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>06-11-19</td>
<td>10:30</td>
</tr>
<tr>
<td>Workshop On Internet of Things : Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>Hamdard Inst of Engineering &amp; Technology - HIET</td>
<td>13-11-19</td>
<td>9:30</td>
</tr>
<tr>
<td>Orientation Session for academic Batch 2019-2020 by IEEE UIT SB : Usman Institute of Technology</td>
<td>Usman Institute of Technology</td>
<td>05-11-19</td>
<td>15:30</td>
</tr>
<tr>
<td>IEEE MUET CAPACITY BUILDING EVENT 2 ( ENGAGING IEEE MEMBERS FOR SUSTAINABLE DEVELOPMENT GOALS AND LEVERAGING TECHNOLOGY) : Mehran University of Engineering and Technology</td>
<td>Mehran University of Engineering and Technology</td>
<td>13-02-19</td>
<td>9:18</td>
</tr>
<tr>
<td>Workshop and hands-on training on IEEE-Xplore Digital Library : Mehran University of Engineering and Technology</td>
<td>Mehran University of Engineering and Technology</td>
<td>17-04-19</td>
<td>9:30</td>
</tr>
<tr>
<td>ENGAGING IEEE MEMBERS FOR SUSTAINABLE DEVELOPMENT GOALS AND LEVERAGING TECHNOLOGY : Mehran University of Engineering and Technology</td>
<td>Mehran University of Engineering and Technology</td>
<td>22-04-19</td>
<td>9:30</td>
</tr>
<tr>
<td>IEEE MUET Student Branch Board Elections : Mehran University of Engineering and Technology</td>
<td>Mehran University of Engineering and Technology</td>
<td>16-05-19</td>
<td>10:00</td>
</tr>
<tr>
<td>IEEE MUET SB Computer Society &amp; Women in Engineering Body Elections : Mehran University of Engineering and Technology</td>
<td>Mehran University of Engineering and Technology</td>
<td>24-07-19</td>
<td>11:00</td>
</tr>
<tr>
<td>IEEE MUET SB Power &amp; Energy Society Body Elections : Mehran University of Engineering and Technology</td>
<td>Mehran University of Engineering and Technology</td>
<td>30-08-19</td>
<td>12:00</td>
</tr>
<tr>
<td>IOT Workshop 2019 : DHA Suffa University</td>
<td>DHA Suffa University</td>
<td>02-03-19</td>
<td>9:00</td>
</tr>
</tbody>
</table>
DSU Ignite 2019 : DHA Suffa University 03-05-19 9:30
Arduino Workshop : DHA Suffa University 25-10-19 9:30
Anti-corruption week : Indus University 11-12-19 10:00
Impact of Cultural Heritage and Tourism : Sir Syed University of Engineering and Technology 31-07-19 11:00
IEEE XPLORI LE CHALLENGE PAKISTAN WORKSHOP AT SSUET : Sir Syed University of Engineering and Technology 04-12-19 14:00
DAY 1- Build Asia Exhibition SSUET : Sir Syed University of Engineering and Technology 14-12-19 9:00
DAY 2- Build Asia Exhibition SSUET : Sir Syed University of Engineering and Technology 15-12-19 9:00
DAY 3- Build Asia Exhibition SSUET : Sir Syed University of Engineering and Technology 16-12-19 9:00
CASIO SCIENTIFIC CALCULATOR WORKSHOP : Karachi Univ of 27-08-19 12:30
Seminar on Agile Scrum : Karachi Univ of 14-11-19 11:00
Technical visit to Jhimpir Windmill Power Plant : ISRA University - Hyderabad Campus 31-01-19 8:30
IEEE InSight : ISRA University - Hyderabad Campus 25-02-19 10:00
SIBACOM 2019 : Sukkur Institute of Business Administration 19-01-19 9:00
IoT Workshop : Institute of Business Management 04-05-19 9:30
ExCom Elections 2019 (IoBM SB) : Institute of Business Management 29-06-19 12:00
Recruitment Drive Agenda Meeting : Institute of Business Management 12-09-19 0:30
Open Houseâ€™19 (Recruitment Drive) : Institute of Business Management 17-09-19 10:00
Branch Interviews Agenda Meeting : Institute of Business Management 07-10-19 12:15
Branch Interviews : Institute of Business Management 10-10-19 10:00
Session on Lucas Nuelle Trainers and Software : Dawood University of Engineering and Technology 04-02-19 12:30
Session on Scholarships for US Universities : Dawood University of Engineering and Technology 12-02-19 21:00
Seminar on: Women Empowerment in the field of Engineering : Dawood University of Engineering and Technology 19-02-19 13:00
Line Following Robot Workshop : Karachi Inst of Economics & Tech (PAF) 13-04-19 10:00
INDUSTRIAL AUTOMATION USING SIEMENS PLC (ANALOG APPLICATION) : Iqra University 27-07-19 9:30
Introduction to Raspberry Pi and its Application : Iqra University 03-08-19 10:30
4th International Conference on Emerging Trends in Engineering, Sciences and Technology : Iqra University 10-12-19 9:00
NASA Space Apps Challenge Quetta : Balochistan Univ of Info Tech, Eng and Mgmt Sci 18-10-19 9:30
SpectrumX 2019 : Usman Institute of Technology,C16 15-06-19 10:30
Google Summer of Code Workshop : Usman Institute of Technology,C16 30-10-19 16:30
Agile Development Workshop : Usman Institute of Technology,C16 08-11-19 16:30
Workshop: GitHub 101 : Usman Institute of Technology,C16 21-11-19 16:30
Firebase and SLIM Framework : Usman Institute of Technology,C16 28-11-19 16:30
Health Awareness Session 2019-2020 by IEEE UIT SB : Usman Institute of Technology, WIE 22-11-19 16:15
IEEE RAS Educational Visit to Artistic Milliners : Inst Of Industrial Electronics Engrg,RA24 09-02-19 10:00
IEEE RAS:5-Day Micro-controller Workshop : Inst Of Industrial Electronics 10-06-19 8:00
Engrg,RA24

IEEE Awareness Session : Sir Syed Univ of Engineering and Technology,PE31 14-01-19 15:00
IEEE PES SSUET RECRUITMENT Driveâ€™19 : Sir Syed Univ of Engineering and Technology,PE31 20-06-19 11:00
Industrial Visit to Karachi Shipyard and Engineering Works : Sir Syed Univ of Engineering and Technology,PE31 12-09-19 9:00
Biomedical Day : Sir Syed Univ of Engineering and Technology,EMB18 20-07-19 9:00
Interactive Session on Cancer, Radiation and Stem Cells : Sir Syed Univ of Engineering and Technology,EMB18 23-07-19 11:00
FINAL YEAR PROJECT EXHIBITION AND COMPETITION : Sir Syed Univ of Engineering and Technology,EMB18 29-11-19 14:30
How To Write A Research Paper : Sir Syed Univ of Engineering and Technology,C16 13-06-19 14:30
Project Exhibition & Competition on Artificial Intelligence : Sir Syed Univ of Engineering and Technology,C16 12-09-19 11:00
Seminar on Augmented / Virtual Reality : Sir Syed Univ of Engineering and Technology,C16 18-09-19 11:00
CED FYP In-House Exhibition : Sir Syed Univ of Engineering and Technology,C16 07-11-19 10:00
Meeting of team with advisor : Sir Syed University of Engg and Tech, WIE 15-11-19 14:00
Logo Competition : Sir Syed University of Engg and Tech, WIE 20-11-19 12:00
In house FYP Exhibition SED : Sir Syed University of Engg and Tech, WIE 22-11-19 11:00
IT Female Internship program by HBL : Sir Syed University of Engg and Tech, WIE 26-11-19 12:00
2019 2nd International Conference on Computing, Mathematics and Engineering Technologies : Sukkur Institute of Business Administration,COM19 30-01-19 0:00
PCB Design and Fabrication Workshop : Sukkur Institute of Business Administration,COM19 01-04-19 9:30
Coding Competition and Prize distribution : Balochistan Univ of Info Tech, Eng & Mgmt Sci,PE31 04-04-19 9:30
IEEE Volunteers Training : Balochistan Univ of Info Tech, Eng & Mgmt Sci,PE31 25-04-19 15:00
Job Opportunities for Youth In CPEC : Balochistan Univ of Info Tech, Eng & Mgmt Sci,PE31 26-04-19 10:00
Quetta Literary Festival : Balochistan Univ of Info Tech, Eng & Mgmt Sci,PE31 17-06-19 9:00
5th Undergraduate Research Colloquium : Balochistan Univ of Info Tech, Eng & Mgmt Sci,PE31 29-07-19 9:30
IEEE Women’s Day celebration : Balochistan Univ of Info Tech, Eng & Mgmt Sc, WIE 08-03-19 9:17
International Women’s Day : Pakistan Naval Engineering College WIE 11-03-19 11:20
Delving Into The Future : Pakistan Naval Engineering College WIE 11-11-19 11:20
PACE Collaborative Workshops & Debates : Mehran Univ of Eng and Technology, WIE 29-08-19 9:00

- **Awards**
  - 02-Jan-19 1,500.00 e0330 - R10 Section Incentive for 2018 Activities - GBENEDIC
  - 11-Jan-19 300 e0359 - R10 Award for EA University Challenge - GBENEDIC
  - 14-Feb-19 470 HAC Event Funding #18-SAE-04 (MUET SB Wkshp Dec-2018 JATENDAR DHARANI <jatendurdharani@ieee.org>) - BTOLAND
A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted on NetSuite)
  Submitted by Section Treasurer
- Any other financial activities
  Submitted by Section Treasurer

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Higher Grade</td>
<td>228</td>
<td>258</td>
<td>238</td>
</tr>
<tr>
<td>Student Grade</td>
<td>634</td>
<td>479</td>
<td>256</td>
</tr>
<tr>
<td>Total Members</td>
<td>862</td>
<td>737</td>
<td>494</td>
</tr>
</tbody>
</table>
• Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

B.2 Chapter Activities

• Total number of Chapters in the Section
  03 (IEEE Karachi Section Computer Chapter (C16), IEEE Karachi Section Communication Chapter (COM19), IEEE Karachi Section PES Chapter (PE31))

• Number of Chapters formed in the current year
  N/A

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

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

  **Computer Society Activities**

  - One Day Seminar on future technology  31-10-19 9:00
  - Big Data and Its Applications  24-10-19 10:00
  - Data Science, AI and Internet of Things  16-10-19 10:00
  - Ethical Hacking Workshop  08-10-19 9:00
  - International conference based on Information Security and Communication Technology  09-03-19 8:00
  - Hands-on Workshop on Python  12-02-19 9:00

  **Communication Society Activities**

  - Photonics and Optical Technologies : Karachi Section Chapter,COM19  02-05-19 15:00
  - World Telecommunication and Information Society Day (WTISD) : Karachi Section Chapter,COM19  17-05-19 11:00
  - Seminar on Scholarship and Research Opportunities for Graduating Engineers in Telecommunication Engineering : Karachi Section Chapter,COM19  23-08-19 10:00
  - 4th IEEE Communications Society Karachi Seminar : Karachi Section Chapter,COM19  10-10-19 14:00

  **Power & Energy Society Activities**

  - IEEE PES KARACHI CHAPTER 1st TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31  14-02-19 18:00
  - IEEE PES KARACHI CHAPTER 2nd TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31  19-03-19 17:00
  - IEEE PES Karachi - 3rd TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31  22-04-19 17:30
  - IEEE PES KARACHI CHAPTER 4TH TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31  28-06-19 17:00
  - 5th PES Seminar : Karachi Section Chapter, PE31  31-07-19 17:00
  - IEEE PES KARACHI CHAPTER  6th TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31  27-08-19 18:00
  - IEEE PES KARACHI CHAPTER  7th TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31  30-09-19 17:00
  - 7th PES Seminar : Karachi Section Chapter, PE31  30-09-19 17:00
  - 8th PES Seminar : Karachi Section Chapter, PE31  22-10-19 17:00
  - 9TH PES SEMINAR : Karachi Section Chapter, PE31  26-11-19 17:30
  - 10TH TECHNICAL ACTIVITY [ PANEL DISCUSSION] : Karachi Section Chapter, PE31  04-12-19 17:00

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

5 conferences; iCoMET 2019 (January 2019), PAF-KIET INTELLECT (November 2019), IBA Karachi ICICT (November 2019), IQRA ICEEST (December 2019) and IoBM MACS-13 (December 2019). Total 3 Non-Technical gatherings including IEEE Day as community service activity, and PSYWC 2019 was hosted by Karachi Section.

B.4 Students Activities

- Total number of Student Branches in the Section 32
- Number of Student Branches formed in the current year Not Applicable
- Section level student activities (student congress, paper and other contests, awards etc)
  - 1st IEEE Karachi Section Student branches Chairs Meetup : Karachi Section
  - VOLT & S-PAA : Karachi Section
  - 3RD MEETING OF SAC IEEE KARACHI SECTION. : Karachi Section
  - IEEE VOLT AND SPAA 2.0 : Karachi Section
  - IEEE DAY 2019 1.0 by IEEE Karachi Section : Karachi Section
  - IEEE Karachi Section Joint SB Meetup : Karachi Section
  - IEEE DAY 2019 2.0 BY IEEE KARACHI SECTION : Karachi Section
  - IEEE DAY 2019 3.0 The Grand Celebration BY IEEE KARACHI SECTION : Karachi Section
  - IEEE Karachi Section Joint SB Get together : Karachi Section
  - IEEE Pakistan Student/YP/WIE/SIGHT Congress: Karachi Section.
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)

<table>
<thead>
<tr>
<th>S.No</th>
<th>University Name</th>
<th>Branch Events</th>
<th>Chapters/AG Events</th>
<th>Total Number of Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hamdard University</td>
<td>20</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>Sir Syed University</td>
<td>5</td>
<td>14</td>
<td>19</td>
</tr>
<tr>
<td>3</td>
<td>Nust-PNEC</td>
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- Summary of Student Branch activities (Student Branch wise with attachment table/information)

**SAC Activities (SB Wise)**

![Graph showing SAC activities for different universities]
B.5 Affinity Group Activities

- Young Professional (YP)
  IEEE Young Professionals Karachi EXCOM meeting : Karachi Section, YP 09-03-19 16:30
  IEEE Young Professionals Karachi Meet-Up : Karachi Section, YP 31-03-19 15:00
  IEEE Young Professionals Karachi Technical Seminar 2019 : Karachi Section, YP 08-07-19 17:00

- Women In Engineering (WIE)
  Women empowerment : Karachi Section Affinity Group, WIE 24-09-19 9:00
  nature inspired artificial intelligence : Karachi Section Affinity Group, WIE 24-09-19 14:00
  Awareness on workplace harassment and protection laws : Karachi Section Affinity Group, WIE 16-11-19 12:32
  Women’s Empowerment in the Digital Age : Karachi Section Affinity Group, WIE 12-12-19 15:00

- Life Member (LM)
  Not Applicable

B.6 Awards & Recognition Activities

- Award constituted by the Section
  o Conference Appreciation Awards 2019
    ▪ iCoMET – Sukkur IBA University, Sukkur
    ▪ INTELECT, PAF-KIET, Karachi
    ▪ ICICT, IBA Karachi
    ▪ ICEEST, Iqra University, Karachi
    ▪ MACS-13 – Institute of Business Management (IoBM), Karachi
  o Section Officers Awards
    ▪ Outgoing Volunteer Awards 2019
      o Chair, Karachi Section
      o Vice Chair, Karachi Section
      o Treasurer, Karachi Section
      o Vice Chair ComSoc
      o Chair, YP
      o SSR 2019
- Outstanding Volunteers (during 2019)
  - Chair, Computer Society
  - Chair, Power and Energy Society
  - Chair, SAC

- SAC Awards & Certificates
  - Most Active Student Branch <number of event organized>
  - Quality Events Organized by Student Branch <based on quality event – e.g. International Guests, National Guest (comes from other cities)>
  - Most populated Student Branch <most student members>
  - Active Counselor Student Branch
  - Active Student Branch Officer
  - Active Student Branch Volunteer <other than officers>
  - Best SAC Volunteer <extended SAC Team>
  - Certificates of Appreciation to SAC Team

  o Special Awards
    - Memento of appreciation to Mr. Ali Akbar, from AWARE – in recognition of his support for IEEE Karachi Section

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
- Not Applicable

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

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

- Home Page of the Section (give the URL and how often it is updated)
  - https://www.facebook.com/IEEEKarachiSection/

- Other means of contacts with Section members including social media
  1. Facebook - https://www.facebook.com/IEEEKarachiSection/
  2. 03 IEEE List Server Mailing Lists for IEEE ExCom Members, IEEE Members and IEEE Student Members.
  3. Section Secretary and SAC Chair also point of contact

B.8 Industry Relations

- Membership growth and retention
- Activities for/with industrial members

IEEE PES KARACHI CHAPTER 1st TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31
- 14-02-19 18:00

IEEE PES KARACHI CHAPTER 2nd TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31
- 19-03-19 17:00

IEEE PES Karachi - 3rd TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31
- 22-04-19 17:30

IEEE PES KARACHI CHAPTER 4TH TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31
- 28-06-19 17:00

5th PES Seminar : Karachi Section Chapter, PE31
- 31-07-19 17:00

IEEE PES KARACHI CHAPTER 6th TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31
- 27-08-19 18:00

IEEE PES KARACHI CHAPTER 7th TECHNICAL SEMINAR 2019 : Karachi Section Chapter, PE31
- 30-09-19 17:00
B.9 Humanitarian Technology Activities

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

Anti-corruption week : Indus University
Health Awareness Session 2019-2020 by IEEE UIT SB : Usman Institute of Technology, WIE

- SIGHT Activities

The event Community Engagement Workshop 2019 calls for an agenda on national humanitarian stakeholders to increase access to information, experiences and technology solutions to pursue creating a nexus for better strategic partnership in future programs.

Objectives and Outcomes
- The Workshop is intended to provide a vibrant platform to:
  - 1) Introduce ‘Communities’ and ‘Technology Prototypes and Models’ within IEEE SIGHT Karachi domains to map out and demonstrate on Social Return over Investment, SROI framework.
  - 2) Ideate, share and increase knowledge on existing IEEE SIGHT Karachi and SIGHT Global projects. Moreover, evaluate innovative strategies for the development of technological and science-based solutions for humanitarian problems in both rural and urban areas.
  - 3) Share lessons learnt and experiences, also showcase practices in creating communities of practices and community engagement models within rural set-ups to design sustainable project-oriented teams.
  - 4) Explore an expert opinions and brainstorm on novel methods to existing bottlenecks and problems.
  - 5) Create a close network of humanitarians, technologists, governmental official and social leaders to strengthen the triple-helix partnerships between different stakeholders and beneficiaries.

Participation
- The workshop brought together humanitarians and thought leaders from University, NGO’s and IGO’s concerned with projects that deploy technology as medium discussed about the social implications, challenges both technological and social and also discussed on issues that needs participation. The workshop has the participation ratio from following audience groups;
  - Students aspiring technology solutions to solve humanitarian issues of the country.
  - Researchers already with thought work and ideation pursued on issues such as solving water, electricity, sanitation etc. issues in their respective belonging villages.
  - NGO people, both staff and local beneficiary community provided their input on validation of issues and technicalities.

Structure and Sessions
- The workshop organized over weekend from 20-21 December 2019 in Umerkot and envisioned to curate a platform for active exchange, hands-on learning at SROI, Communities of Practice, Human Centered Design Approach and sessions consist of:

Site and Communities Visit:
- An excursion for invited guests arranged to introduce them to communities, IEEE SIGHT Karachi has been working and interaction with the NGOs working on relevant areas at our partner NGO, Aware Official HQ at Umerkot for a better ethnographic analysis of problems.

Panel Discussion:
- Workshop participants are invited to discover topics through a panel discussion moderated by IEEE SIGHT Karachi leaders on ‘How Social Science can be linked to technology in understanding community needs’. Following IEEE volunteers including the chair IEEE Karachi Section, Prof. Dr. Shahid Shaikh and Engr. Hassaan Idrees, from USA via Skype participated in the discussion:
  - The session ended with Questions/answers, recommendation, etc.

B.10 Community Activities
• IEEE Social activities (Family day, IEEE day, Engineers Week)"
  IEEE Day by Section
  IEEE Day by Several Student Branches

PART C - OTHERS

C.1 Special Events

• Please briefly describe the importance of special events and the outcomes achieved
• Funding secured from the IEEE and external sources including sponsorships
  As per Report Submitted by Section Treasurer

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

• Nature of relationship and details of any formal agreement signed
• Details of joint activities
  Joint meeting held in Islamabad with hosted by Islamabad Section – Karachi Section Chair attended the meeting along with Lahore Section
• Benefit to IEEE members (for example discounts, access to technical information etc.)
  Karachi Section is working on it
• Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)
  Karachi Section is working on it

C.3 Collaboration with other IEEE Sections

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

Held Joint Meeting with Islamabad Section and Lahore Section (October 2019)

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

• Support extended for organising technical, educational and professional activities
  Financial Support was provided to 3 Section Societies and 2 AG along with SAC for supporting Student Branches
  - Computer Society
  - Communication Society
  - Power and Energy Society
  - Young Professional
  - Women in Engineering
  - SAC Team
• Joint activities for membership development
• Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

IEEE Karachi Section is helping BUITEMS Quetta and they already filled petition to become Sub-Section (Under Process)
C.5 **Best Practices of your Section (which you would like to share with other Sections for the benefits of members)**

1. Total 20 Student Branches participated in VoLT and S-PAA Activities
2. 2 join student branches meet of one active and one non-active
3. Sections Norms were written and approved

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

1. Local Bank Account issue
2. Student Branch Societies are formed without approval from Society Chairs and Section

**PART D - GOALS AND PLANS**

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

1. More MD activities to retain old members and get new members (Membership drives will be organized)

D.2 **Goals and Future Plans**

1. Support for Quetta sub-Section
2. Support for Sukkur Sub-Section
3. PES already planned for 2020 several events involving industrial audiences—this will improve the linkage of academia and industry
4. Membership Drives
5. Networking and Social opportunities for members
6. Professional Conferences for 2020 already singed MoU with 2 Institutes
7. Professional Seminars and Workshops

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

1. Planning to have dedicated MD volunteer for all societies and AGs – this will help attract more members

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

1. Try to get Industrial sponsorships
2. Retain old members
3. Try to get more members for IEEE Karachi Section through MD Drives