

IEEE Bangladesh Section Report 2020

PART A - SECTION SUMMARY

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

Section Executive Committee Member List

Position	Full Name	Affiliation
Chair	Celia Shahnaz	Professor, Department of EEE, BUET
Vice Chair (Technical)	M. Moshikul Hoque	Professor, Chittagong University of Engineering & Technology (CUET)
Vice Chair (Activity)	Md Abdur Rahman	Professor and Associate Dean, Faculty of Engineering, AIUB
Secretary	Raihan Ur Rashid	Executive, Spectrum Engineering Consortium Limited
Treasurer	Yeasir Arafat	Associate Professor, Department of Electrical and Electronic Engineering (EEE), Bangladesh University of Engineering and Technology (BUET)
Industrial Activity Coordinator	Anamika Bhakta	Vice President, Robi Axiata Ltd., Chair, WIE AG, IEEE BDS
Conference Coordinator	MD. Abdur Razzak	Professor, Independent University, Bangladesh
Professional Activity Coordinator	Shams Shad Islam Khan	Product Delivery Engineer, CodeMarshal IT Systems Ltd., M.Sc. student, IICT, BUET and Student Activity Coordinator, IEEE Bangladesh Section
Publicity Coordinator	Redwan Ferdous	Lead Engineer & Coordinator, Cellphone Manufacturing Factory, Aamra Holdings Ltd.
Awards Coordinator	Md Zunaid Baten	Assistant Professor, Dept of EEE, BUET
Newsletter Editor	S.M.Saiduzzaman	Lecturer, Southeast University
Membership Development Coordinator	Dr. Md. Faruk Hossain	Professor, EEE, RUET
Educational Activity Coordinator	Prof. Dr. A. B. M. Aowlad Hossain	Professor, Department of Electronics and Communication Engineering, Khulna University of Engineering & Technology
Humanitarian Activity Coordinator	A N M Nasimunnabi	Senior Manager, Shakti Engineering Ltd.
Student Activity Coordinator	Abul Al Arabi	Lecturer, Northern University Bangladesh

Section Highlights

- Established in 1993
- Number of Student Branches: 52
- 9 Technical Society Chapters
- Total Society Student Branch Chapter: 48
- 2 Affinity Groups (YP, WIE)
- 3 SIGHT Groups (Section SIGHT Flash, DU SB SIGHT, BRACU SB SIGHT)
- Total Member at the end of 2020: 3487
- Total Student Member at the end of 2020: 2200
- Total Senior Member at the end of 2020: 76
- Globally among the top 5 countries for student member besides India, China, USA and Canada.
- Received 3500 USD R10 Section Incentive Award in 2020, 4000 USD in 2019 and 3500 USD in 2018.
- Organizer of IEEE Region 10 Symposium (TENSYP) 2020.
- Recipient of IEEE MGA Outstanding Large Section Award 2018

Major Events (International, National)

Event	Date	Platform
IEEE TENSYP 2020	5-7 June 2020	Virtual
International COVID19 Congress (ICC 2020)	9-10 August 2020	Virtual
Virtual Conference Organizers Panel (VCOP 2020)	1-2 July 2020	Virtual
International Newsletter Editors' Meetup	05 September 2020	Virtual
IEEE WIECON-ECE 2020	26-27 December 2020	Virtual
IEEE Day 2020 Observations - Dreams, Dialogs, and Directions for a Better Tomorrow	6-10 December 2020	Virtual

Major Chapter Activities

Society Chapter	Event	Date	Platform
IEEE Signal Processing Society Bangladesh Chapter	IEEE TENSYP 2020: SPS Workshop /R10 SPS Chapter Chair's Meeting	6 June 2020	Virtual
	Signal Processing Research and Innovation Conclave at ICC 2020	9 August 2020	Virtual
IEEE Engineering in Medical Biology Society Bangladesh Chapter	Engg. Med, Bio, & Healthcare Research and Innovation Colloquium at ICC 2020	10 August 2020	Virtual
IEEE Industrial Application Society Bangladesh Chapter	Industry-Academia Innovation Forum: Exploring Research and Innovation Challenges of Fourth Industrial Revolution During COVID-19 at ICC 2020	10 August 2020	Virtual
IEEE Robotics and Automation Society Bangladesh Chapter	International Meetup of Robotics And Automation Enthusiasts	18 September 2020	Virtual
IEEE Society for Social Implication of Technology Bangladesh Chapter	Socio-Technical Fight against the COVID 19 Pandemic at ICC 2020	10 August 2020	Virtual

Major Student and Affinity Group Activities

Major Student Activities

Event	Date	Platform
R10 SAC Funded Student Membership & Leadership Summit	21 August 2020	Virtual
SB Counselors', WIE SB AG & SB Society Chapter Advisors' Meetup	7 August 2020	Virtual

Major WIE AG Activities

Event	Date	Platform
2020 IEEE WIECON-ECE	26-27 December 2020	Virtual
IEEE PES Women in Power Congress in Region 10: More Power to the Future	12-13 September	Virtual
IEEE TENSYP 2020: WIE and WePower Track,	6 June 2020	Virtual
Women in Engineering Tech Summit 2020	10 August 2020	Virtual
IEEE PES Women in Power Summit in WIECON-ECE	27 December 2020	

Major YP Activities

Event	Date	Platform
YP Track at TENSYP 2020	6 June 2020	Virtual
IEEE Student Transition and Elevation Partnership (STEP) 2020	5 September 2020	Virtual
YP Idea Contest	Grand Finale 16 September 2020	Virtual

Awards

Serial	Award Name	Recipient	Awarding Organization
1	IEEE Darrel Chong Student Activity Award 2020 – Silver Category	IEEE Bangladesh University of Engineering and Technology Student Branch	IEEE MGA
2	IEEE Darrel Chong Student Activity Award 2020 – Bronze Category	IEEE American International University - Bangladesh Student Branch	IEEE MGA
3	IEEE Regional Exemplary Student Branch Award 2020	IEEE American International University - Bangladesh Student Branch	IEEE MGA
		IEEE BRAC University Student Branch	

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

- Summary (as per submitted on NetSuite)
**All the amounts are in Bangladesh Taka (BDT)

Items	Amount (BDT)
Account Opening Balance	16,054.00
Total Income Receipts	3,597,170.00
Total Expenditure Receipts	(3,274,337.00)
Difference in Income and Expenditure	322,833.00
Account Ending Balance	338,887.00

- Any other financial activities: Not Applicable

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

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

Higher Grade Member			Student Member			Total Member		
2018	2019	2020	2018	2019	2020	2018	2019	2020
1065	1243	1287	2370	2472	2200	3435	3715	3487

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

Event	Date	Venue/Platform
New Initiative 2020: IEEE Bangladesh Section Senior Member Elevation Program	30 January 2020	IEB Auditorium, Dhaka
R10 SAC Funded Student Membership & Leadership Summit	21 August 2020	Virtual
IEEE Bangladesh Section Membership Drive 2020	4-11 August 2020	Virtual
Embracing the benefits of IEEE Membership	6 August 2020	Virtual

- [Find the Membership Growth Charts over the year here.](#)

B.2 Chapter Activities

- Total number of Chapters in the Section: 9
- Number of Chapters formed in the current year: 0
- Number of active Chapters (Chapters who have reported required number of meetings during the year): 9

- Summary of Chapter activities (Chapter wise with attachment table/information)
Please find Chapter Activity Table here:
https://docs.google.com/document/d/e/2PACX-1vR1QikzOr9jRq5EQOOHTpuZcdBhWDgC7Aain7xwrwXTE2i5MBY7X5DKQerePEq9Tj35Qz_khjX6qumV/pub

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

Conference Organized

Conference Name	Co-organizer(s)	Platform	Date
2020 IEEE Region 10 Symposium (TENSYP 2020)	IEEE Region 10	Virtual	5-7 June 2020
2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (IEEE WIECON-ECE 2020)	IEEE Bhubaneswar Sub-Section, IEEE WIE AG Bangladesh Section, IEEE WIE AG Bhubaneswar Sub-Section	Virtual	26-27 December 2020

Technical Co-Sponsored Conferences

Conference Name	Organizer	Date
2nd International Conference on Advanced Information and Communication Technology (ICAICT- 2020)	United International University	28-29 November 2020
11th International Conference on Electrical and Computer Engineering (ICECE 2020)	Bangladesh University of Engineering and Technology	17-19 December 2020
International Conference on Emerging Technology in Computing, Communication and Electronics (ETCCE – 2020)	United International University	21-22 December 2020
International Conference on Computer and Information Technology (ICCIT - 2020)	Ahsanullah University of Science and Technology	19-21 December 2020

Workshops and Seminars

Event	Date	Venue/Platform
New Initiative 2020: IEEE Bangladesh Section Senior Member Elevation Program	30 January 2020	IEB Auditorium, Dhaka
Data Science in Epidemiology: A Tool to Combat Covid-19	31-May-2020	Virtual
VCOP 2020: Virtual Conference Organizers' Panel	1-2 July 2020	Virtual
Research Avenues in Mobile Robotics	25 July 2020	Virtual
International Covid19 Congress (ICC 2020)	9-10 August 2020	Virtual
Project Competition at ICC 2020	10 August 2020	Virtual
Idea Competition at ICC 2020	10 August 2020	Virtual
Debate Competition at ICC 2020	10 August 2020	Virtual
Research Progress Showcasing at ICC 2020	10 August 2020	Virtual
Policy Sharing at ICC 2020	10 August 2020	Virtual
International Meetup of Robotics And Automation Enthusiasts	18 September 2020	Virtual
IEEE Bangladesh Section Technical Expert Forum	26 September 2020	Virtual
Reaching Locals: IEEE Day 2020 Observations - Dreams, Dialogs, and Directions: Technical Society Chapter Activities	09 October 2020	Virtual
IEEE Bangladesh Section Conference Education Program - Virtual Workshop (IEEE R10 MiniPOCO)	2 & 9 December 2020	Virtual
R10 EA New Innovative Challenge: Bridge the Healthcare Gap: Introducing Telemedicine and IoT to Secondary Schools Students	20 December 2020	Virtual

B.4 Students Activities

- Total number of Student Branches in the Section: 52
- Number of Student Branches formed in the current year: 2
- Section level student activities (student congress, paper and other contests, awards etc)

Event	Date	Platform
PES Day Webinar: Women In Power: Meaningful Engagement During Covid-19 Pandemic	27 April 2020	Virtual
PES Day Webinar: Meaningful Engagement in PES Research and Innovation during Covid-19 Pandemic	29 April 2020	Virtual
PES Day Webinar: COVID-19 and The Future of Power and Energy Sector	19-May-2020	Virtual
PES Day Webinar: How Power & Energy Sector Can Handle Covid-19 Crisis	20-May-2020	Virtual
PES Day Webinar: Managing the Changes in the Power Systems	21-May-2020	Virtual
TENSYP 2020 SAC Track	6 June 2020	Virtual
Covid19 Tech Talk Series	18 July 2020	Virtual
TechTalk Webinar Series: Research and Innovation Challenges During Covid-19 Episode 1 on	19 July 2020	Virtual
TechTalk Webinar Series: Research and Innovation Challenges During Covid-19 Episode 2	20 July 2020	Virtual
TechTalk Webinar Series: Research and Innovation Challenges During Covid-19 Episode 3	22 July 2020	Virtual
TechTalk Webinar Series: Research and Innovation Challenges During Covid-19 Episode 4	23 July 2020	Virtual
SB Counselors', WIE SB AG & SB Society Chapter Advisors' Meetup	7 August 2020	Virtual
Webinar on Energy Efficiency in Smart Buildings	11 August 2020	Virtual
R10 SAC Funded Student Membership & Leadership Summit	21 August 2020	Virtual
IEEE Day 2020 Observations - Dreams, Dialogs, and Directions for a Better Tomorrow: Student Branch Activities	6 October 2020	Virtual
IEEE Day 2020 Observations - Dreams, Dialogs, and Directions for a Better Tomorrow: Student Branch Society Chapter Activities	7 October 2020	Virtual

- Number of active Student Branches (Student Branches who have reported required number of meetings during the year):
Number of Student Branches who received rebate for 2020: 31
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
Please find in this link:
<https://docs.google.com/spreadsheets/d/e/2PACX-1vQ4cbGgYUzgVSdfLgKKNYRptIly2OsCqgqC5gy3w0ZtRuuhOdmBpH8itT8bmslRTcabZx4HE0TqaBZN/pubhtml>

B.5 Affinity Group Activities

- Young Professional (YP)
Please find the YP Activities here:
https://docs.google.com/document/d/e/2PACX-1vStx17gqr8Tzx4l6gWalO0kSmkkC54-bILR7Ykeu-642nIA4BC6tE-UUPvYva_yi7wKtaf-iXEI6H_4/pub
- Women In Engineering (WIE)
Please find the WIE Activities here:
https://docs.google.com/document/d/e/2PACX-1vSEdVv6lnzoHSG6urgzUTDF9Hi8BZF0Nzi0BHIRXZbznFMtzuz8NTj7-5lsmfMKUPT9n1vi6iZcxX_n/pub

- Life Member (LM)
- We have 2 Life Members

B.6 Awards & Recognition Activities

- Award constituted by the Section

Award Name	Recipient
Outstanding Student Branch	IEEE IUB Student Branch
Women In Engineering (WIE) Outstanding Student Branch Affinity Group	IEEE BUP Student Branch WIE Affinity Group
	Honorable Mention: IEEE BUET Student Branch WIE Affinity Group
Outstanding Student Volunteer	Hossain Md Sabir
Women In Engineering (WIE) Outstanding Student Volunteer	Suhee Sanjana Mehjabin
	Honorable Mention: Syed Sadia Hossain
Outstanding Stand Branch Counselor	Md. Kafiul Islam

Newly Constituted Awards by the Section this year:

- Outstanding Professional Volunteer for Humanitarian Activities
- Women In Engineering (WIE) Outstanding Student Branch Affinity Group Award
- Women In Engineering (WIE) Outstanding Professional Volunteer Award
- Women In Engineering (WIE) Outstanding Student Volunteer Award
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year

Serial	Award/Recognition Name	Recipient	Awarding Organization
1	1st Highest voting percentage in 2020 IEEE Election	IEEE Bangladesh Section	IEEE R10
2	IEEE Darrel Chong Student Activity Award 2020 – Silver Category	IEEE Bangladesh University of Engineering and Technology Student Branch	IEEE MGA
3	IEEE Darrel Chong Student Activity Award 2020 – Bronze Category	IEEE American International University - Bangladesh Student Branch	IEEE MGA
4	IEEE Regional Exemplary Student Branch Award 2020	IEEE American International University - Bangladesh Student Branch	IEEE MGA
		IEEE BRAC University Student Branch	
5	Awarded 300 USD for excellent efforts in contributing to the Project 'Reaching Locals' organized by the IEEE Asia-Pacific Region (R10)	IEEE Bangladesh Section	IEEE R10
6	Awarded 300 USD for excellent efforts in contributing to the Project 'Reaching Locals' organized by the IEEE Asia-Pacific Region (R10)	IEEE BUP WIE Student Branch	IEEE R10

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

- Newsletter (name and number of issues in the year):
IEEE Bangladesh Section Newsletter.
Number of issues: 1
Link: https://drive.google.com/file/d/1trTWtPwpO2Admrb_y9mLENI-jlBXch08/view?usp=sharing
- Home Page of the Section (give the URL and how often it is updated): www.ieeebd.net
- Frequency of Update: Twice in every month. Special features or notices are updated immediately.
- Other means of contacts with Section members including social media
- Facebook Page: <https://www.facebook.com/IEEEBangladeshSection/>

- Facebook Group: <https://www.facebook.com/groups/ieee.bangladesh/>
- YouTube Channel: <https://www.youtube.com/channel/UCJsG3bgzl-wNDULFDvDGZ8g>
- IEEE eNotice for every event for member outreach and promotion.

B.8 Industry Relations

- Membership growth and retention

IEEE Higher Grade Member in 2019	IEEE Higher Grade Member in 2020	Growth Percentage in IEEE Higher Member Grade
1242	1287	3.6% Growth

- [Find the Membership Growth Charts over the year here.](#)
- Activities for/with industrial members

Event	Date	Venue/Platform
IEEE TENSYP 2020: Industry-Academia Collaboration Track	6 June 2020	Virtual
IAS Industry-Academia Innovation Forum at ICC 2020	10 August 2020	Virtual
Industry Initiatives: Challenges, Opportunities and Solutions during and post COVID-19	10 August 2020	Virtual

B.9 Humanitarian Technology Activities

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

Event	Date	Venue/Platform
Corona Crisis: Multidimensional Idea Sharing	28 April 2020	Virtual
IEEE TENSYP 2020: HAC TRACK	6 June 2020	Virtual
Webinar: Covid19 Pandemic- Technological Challenges in Healthcare and Public Health	26 July 2020	Virtual
Socio-Technical Fight against the COVID 19 Pandemic at ICC 2020, Co-organized with IEEE SSIT Bangladesh Chapter	10 August 2020	Virtual
Reaching Locals: Fire Hazards: What to do to minimize Risk of lives and Losses of Properties	8 September 2020	Virtual

- SIGHT Activities

Event	Date	Venue/Platform
SIGHT Day Webinar – Bangladesh Section: “Special Thoughts from Special Groups during COVID-19”	28 April 2020	Virtual
Women in SIGHT Summit	6 December 2020	Virtual

B.10 Community Activities

IEEE Social activities

Event	Date	Platform
Tribute to International Mother Language day and Shahid Dibash	21 February 2020	Shahidminar, Dhaka
IEEE BANGLADESH SECTION AWARDS NIGHT 2020	31 December 2020	Virtual

PART C - OTHERS

C.1 Special Events

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

- **International Covid19 Congress (ICC2020)**

To exchange our views and share our ideas to fight against the COVID19 pandemic, IEEE Bangladesh Section organized a full virtual event, International COVID19 Congress (ICC-2020). It was held 9th and 10th August 2020. The congress spans over six parallel rooms. Other than COVID Talks Sessions and Competitions, during the congress seven special sessions were held targeting WIE, YP, Industry Members and society chapters. The registered participants of this congress were 440 from 15 countries.

- **VCOP: Virtual Conference Organizers' Panel**

To Explore the Challenges of Organizing a Full Virtual Technical Conference, with the experience gained from successfully organizing IEEE TENSYP 2020, IEEE Region 10's first full virtual flagship conference, IEEE Bangladesh Section organized Virtual Conference Organizers' Panel (VCOP 2020) on July 1st and 2nd. Virtual Conference Organizers' Panel (VCOP 2020) was the first virtual online panel in IEEE Region 10 (Asia Pacific) where all concerned stakeholders shared the expectations, challenges and possible solutions in a Full Virtual Technical Conference with respect to traditional face to face technical conferences.

- **International Newsletter Editors' Meetup**

IEEE Bangladesh Section organized an international Newsletter Editor Meetup where Editors from different IEEE Newsletters shared their best practices.

- **IEEE PES Women in Power Congress in Region 10**

IEEE PES Women in Power Congress in Region 10 was organized by IEEE PES Women in Power (WiP), WIE Affinity Group of IEEE Bangladesh Section, and IEEE Bangladesh Section on the 12th and 13th September, 2020 from 4 PM to 8 PM (GMT+6). A world bank initiative WePower was the partner of the event. This first ever kind of IEEE PES WiP Congress with a huge number of accomplished speakers and attendees from all around the world was inaugurated with a theme "More Power to the Future".

It was a digital event where 184 participants from 28 different countries of 6 continents, namely USA, Japan, Singapore, China, India, Australia, Indonesia, Srilanka, Malaysia, Newzealand, Pakistan, Peru, Bhutan, Brazil, Colombia, Taiwan, South Korea, Afganistan, Nepal, France, Kenya, Nigeria, UK, Bolivia, Panama, Mongolia, Hongkong, and Bangladesh participated.

- **IEEE PES Women in Power Summit in WIECON-ECE**

IEEE PES Women in Power Summit was organized in 2020 IEEE WIECON-ECE by WIE AG Bangladesh Section, IEEE Bangladesh Section, IEEE Bhubaneswar Subsection, IEEE WIE AG Bhubaneswar SubSection, WePower & IEEE PES Women in Power. Total Speakers & Participants were 38.

- **International Meetup of Robotics and Automation Enthusiasts**

14 Speakers from 5 countries joined this Meetup. It was jointly organized by IEEE Bangladesh Section and IEEE Robotics and Automation Society Bangladesh Chapter.

- Funding secured from the IEEE and external sources including sponsorships

Event	Date	Platform	Sponsor
R10 SAC Funded Student Membership & Leadership Summit	21 August 2020	Virtual	R10 SAC
IEEE Bangladesh Section Conference Education Program - Virtual Workshop (IEEE R10 MiniPOCO)	2 & 9 December 2020	Virtual	R10
Bridge the Healthcare Gap: Introducing Telemedicine and IoT to Secondary Schools Students	20 December 2020	Virtual	R10 EA New Innovative Challenge
YP Idea Contest: Bangladesh Section Affinity Group YP	16 September 2020	Virtual	IEEE YP

IEEE Student Transition and Elevation Partnership (STEP) 2020: Bangladesh Section Affinity Group YP	5 September 2020	Virtual	IEEE
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C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Nature of relationship and details of any formal agreement signed
No Formal Agreement Signed this year.
- Details of joint activities
 - **Collaboration with World Bank and ADB for We Power initiatives.**
IEEE Bangladesh Section collaborated with World Bank and Asian Development Bank and organized many We Power events. IEEE PES Women in Power was also a part of this partnership.
 - **Collaboration with Institute of Engineers Bangladesh (IEB) for New Initiative 2020: IEEE Bangladesh Section Senior Member Elevation Program**
IEEE Bangladesh Section collaborated with Institute of Engineers Bangladesh (IEB), country's engineering accreditation authority to organize New Initiative 2020: IEEE Bangladesh Section Senior Member Elevation Program on January 30, 2020.
 - **Collaboration with Japan-Bangladesh Robotics and Advanced Technology Research Center**
- **Benefit to IEEE members:** Reduced/Free Registration fee to events, Training from the experts.
- **Benefit to Section:** Venue facilities, cost saving, membership development, future employment and internship opportunities for the members.

C3. Collaboration with other IEEE Sections

- Joint activities with any other Section
 - **IEEE WIECON-ECE 2020** with IEEE Bhubaneswar Sub-Section, IEEE WIE AG Bangladesh Section, and IEEE WIE AG Bhubaneswar Sub-Section. The Conference was held virtually on 26-27 December 2020.
 - **Regional Signal Processing Society Virtual Congress 2020** jointly organized by IEEE SPS Bombay Section Chapter and IEEE Bangladesh Section SPS Chapter.

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

- Support extended for organizing technical, educational and professional activities
Organized many programs with Society Chapters. Followings are the major events organized with Society Chapters:

Society Chapter	Event	Date	Platform
IEEE Signal Processing Society Bangladesh Chapter	IEEE TENSYPMP 2020: SPS Workshop /R10 SPS Chapter Chair's Meeting	6 June 2020	Virtual
	Signal Processing Research and Innovation Conclave at ICC 2020	9 August 2020	Virtual
IEEE Engineering in Medical Biology Society Bangladesh Chapter	Engg. Med, Bio, & Healthcare Research and Innovation Colloquium at ICC 2020	10 August 2020	Virtual
IEEE Industrial Application Society Bangladesh Chapter	Industry-Academia Innovation Forum: Exploring Research and Innovation Challenges of Fourth Industrial Revolution During COVID-19 at ICC 2020	10 August 2020	Virtual
IEEE Robotics and Automation Society Bangladesh Chapter	International Meetup of Robotics and Automation Enthusiasts	18 September 2020	Virtual
IEEE Society for Social Implication of Technology Bangladesh Chapter	Socio-Technical Fight against the COVID 19 Pandemic at ICC 2020	10 August 2020	Virtual

- Joint activities for membership development
Jointly organized Membership Development Drive with IEEE WIE AG Bangladesh Section.
In every conferences and Webinars, SPS 1 USD Student Membership fee was widely promoted.

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

Member Grade Elevation for YP and WIE Members

Industry Engagement

Jointly organizing events with industries to increase the awareness and improve the professional member number. Also, working with various industries with related projects so that they can engage with IEEE activities.

Government Engagement

Engaging with various government ministries and organization so that they can get aware about the importance of IEEE activities and collaborating to match and progress the national goal and global IEEE vision.

NGO Engagement

Working with local NGOs to facilitate the need of community because various NGOs are specialized in providing the help to the community directly.

Engagement with Entrepreneurs

To help the entrepreneurs, IEEE Bangladesh Section has engaged Entrepreneurs with IEEE members to train and educate the future entrepreneurs of the country.

Innovating membership Retention Programs:

Counselling sessions for students with low CGPA, programs focusing industry requirements and skills to be developed, mandatory awareness and information exchange programs about student scholarships and travel grants, internships with industry and company, part-time campus technical and professional jobs can motivate students for retention of their membership from year to year.

Designing Career lab:

It will help guiding a student for proper choice of career (academia and industry) based on the information and interest provided by the students. Developing Web based information tool for higher study: based on the qualification (resume) and TOEFL/IELTS/GRE scores of the student. Arranging student competition in IEEE conferences as in ICASSP to boost up student membership as well as to ensure student participation in those conferences. Arranging student competition on IEEE New initiatives: for gathering brainstorming, ideas about possible funding applications to apply to IEEE NIPs making online education for disabled students accessible and affordable.

Joint programs between Students, YP and WIE

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

Membership Development during COVID 19 was a huge challenge. All the universities went to online or stopped operation. So, running membership drive virtually was challenging.

Also, another problem that we regularly face and which occurred at a higher rate is the unavailability of International Credit Cards. Bangladesh has a strict foreign transaction regulation. Which makes it difficult for someone get access to International Transaction Enabled Credit Card. Also, the amount in a single transaction is limited. All of these made getting membership in COVID 19 pandemic even more difficult.

Another problem we faced is that dur to COVID 19 pandemic, our economy took a hit, especially for Young Professionals and WIE Professionals. So reduced fees for different IEEE Products for YP and WIE Members will help us in this situation.

PART D - GOALS AND PLANS

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

- Teacher in Service Program (TISP)
- IEEE WIECON-ECE 2021
- IEEE SPICSCON 2021
- IEEE BECITHCON 2021
- IEEE RAAICON 2021
- IEEE PEEIACON 2021
- SympSIST 2021
- Distinguish Lecture Program
- Outreach Program for STEM Education

D.2 Goals and Future Plans

Maintain and enhance the vibrant activities of IEEE Bangladesh Section in the following ways:

- Launching new societies of Bangladesh Chapter, such as IEEE CIS, IEEE TEMS, IEEE AP-MTTs join chapter, IEEE PELS, IEEE NPSS.
- Enhancing activities of societies of Bangladesh chapter, such as IEEE SPS, IEEE RAS, IEEE SSIT and IEEE IAS.
- Implementing Engineering Projects in Community Service (EPICS) in IEEE
- Implementing projects funded by IEEE HAC, IEEE SIGHT, and IEEE Foundation
- Implementing the Teacher In-Service Program (TISP) under IEEE Pre-university Education.
- IEEE WIE NEW Initiative Program (WIENIP): IEEE WIECON-ECE, was held in Dhaka, Bangladesh, Dec 19- 20, 2015. Considering its mega success in south Asian countries in 2015, 2016, 2017, 2018, 2019 and 2020. In 2021 we will be organizing it with other IEEE Sections in R10.
- Arranging DL program: to energize inactive societies by presenting role models in front of them for sharing their views, exchange ideas and latest findings for EMBS, RAS, SPS, IAS and SSIT members
- Mentor and Mentee Program (MMP): MMP can be implanted via webinars, online chats, and Women in Leadership Collaborate (WIL) Community to guide less active/ inactive students/YP/ WIE groups about designing innovative events.
- Future Programs at a glance –
 - **IEEE WIECON-ECE 2021**
 - **IEEE SPICSCON 2021**
 - **IEEE BECITHCON 2021**
 - **IEEE RAAICON 2021**
 - **IEEE PEEIACON 2021**
 - **SympSIST 2021**
 - **IEEE YPCON-ECE 2021**
 - **IEEE StudentLedCon 2021**
 - **IEEE IndCON 2021**
 - **IEEE ProCON 2021**
 - **Launching of Bengali Research Forum (Under Reaching Locals)**

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

- Strategy for sustainable membership: Design and conduct online survey and develop a student network to make strategies for sustainable membership. Registration benefit for an IEEE member in IEEE programs, webinars, tutorials, workshops, internships, skill development and industry related programs, which will add value to membership, have to be funded/promoted as special events for the retention of membership.
- Developing student Branch activation Program: Encourage student branches to update and report their activities by vtools. For inactive branches, web-based mentoring programs can be initiated, where active student branches will serve as mentors for energizing inactive branches.
- Developing Industry Portals for Student, WIE and Young Professionals.
- Developing Entrepreneurship Bootcamp: Transforming Project to Product
- Developing Speaker Bureau for Student Branches', WIE and Young Professionals' programs.
- Developing Technical Expert Forum: Reviewers, Conference Speakers, Thesis Evaluators, Research Collaborators.

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

- Inspire Society activities and include them in the business plan
- IEEE SPS, EMBS, RAS, IAS and SSIT members engagement and membership development in Industry.
- Rising Star Conference for YP in Bangladesh to attract corporate membership and sponsors.
- World Bank supported WePower Initiative to attract more Industry Partners.
- Industry Forum for Women in Engineering and Young Professionals.
- Launching of Alumni Network connecting Bangladeshis abroad to support members education, employment, research and innovative activities.
- Launching Bengali Research Forum to share resources and attract Scholarships, Internships and Recruitment Facilities at home and abroad.

Financial Stability:

Funds will be managed from local industries and registration fees to ensure each program to be self-sustainable.