

# IEEE Bangladesh Section 2023 Report

## A1. Executive Summary

- Section Executive Committee Member List

Bangladesh Section Chair	Dr. Mohammed Moshiul Hoque
Bangladesh Section Past Chair	Dr. Celia Shahnaz
Bangladesh Section Vice Chair Activity	Dr. Md. Raju Ahmed
Bangladesh Section Vice Chair Technical	Dr. Md. Faruk Hossain
Bangladesh Section Treasurer	Anamika Bhakta
Bangladesh Section Secretary	Dr. Sajid Muhaimin Choudhury
Awards Coordinator	Dr. Md. Maniruzzaman
Conference Coordinator	Dr. Shahriar Khan
Educational Activity Coordinator	Dr. A.K.M. Muzahidul Islam
Humanitarian Activity Coordinator	Dr. Naruttam Kumar Roy
Industrial Activity Coordinator	Muhammad Sajjadur Rahim
Membership Development Coordinator	Raihan Ur Rashid
Newsletter Editor	Dr. Tahsina Farah Sanam
Professional Activity Coordinator	MD Ranak Ahsan
Publicity Coordinator	Md. Shohel Rana
Student Activity Coordinator	Dr. M Tanseer Ali

- Section Highlights
  - Established in 1993
  - Number of Student Branches: 56
  - Technical Society Chapters :10
  - Total Society Student Branch Chapter: 74
  - Total WIE SB AG: 20
  - 2 Affinity Groups (YP, WIE)
  - 3 SIGHT Groups (Section SIGHT Flash, DU SB SIGHT, BRACU SB SIGHT)
  - Globally among the top 5 countries for student member besides India, China, USA and Canada in 2018 and 2019
  - Received R10 Section Incentive Award: 1000 USD in 2021, 3500 USD in 2020, 4000 USD in 2019 and 3500 USD in 2018.
  - Organiser of IEEE Region 10 Symposium (TENSYPMP) 2020, R10 HTC 2017
  - Recipient of IEEE MGA Outstanding Large Section Award 2018
  - Section Website: <http://www.ieeebd.com/>

- Major Events (International, National)

Event	Date	Location
26 <sup>th</sup> International Conference on Computer and Information Technology (ICCIT 2023)	17-19 Dec 2023	Long Beach Hotel, Cox's Bazar
9th IEEE WIECON-ECE 2023, 25-26 NOV, 2023 : Bangladesh Section	11/25/2023 6:00	Sree Chitra Thirunal College of Engineering, Thiruvananthapuram, Kerala, India
10th IEEE ICPS 2023, 13-15 DEC, 2023 : Bangladesh Section	12/13/2023 6:00	Long Beach Hotel, Cox's Bazar, Cox's Bazar, Chittagong, Bangladesh
2023 3rd International Conference on Robotics, Electrical and Signal Processing Techniques (ICREST) - #57604	7-Jan-23	BUET, Dhaka, Bangladesh
International Industrial Activities Conference (IndCon 2023)	12-15 Dec 2023	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
International Professional Activities Conference (ProCon 2023)	12-15 Dec 2023	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
International Symposium on Social Implications of Sustainable Technology (SympSIST 2023)	12-15 Dec 2023	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
International Student-LED Conference (Student-LED Con 2023)	12-15 Dec 2023	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
International Young Professional Conference (YPCon 2023)	12-15 Dec 2023	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Women in Engineering Bangladesh Summit (WIE BD Summit 2023)	12-15 Dec 2023	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh

- Major Chapter Activities

Event Title	Event Date	Event Location
International Workshop on Inclusive Higher Education: Bangladesh Context : Bangladesh Section Chapter, C16	1/7/2023 15:00	Dhaka, Dhaka, Bangladesh
Introduction of Game Theory and Its Application in Solving Engineering Problems : Bangladesh Section Chapter, C16	1/22/2023 14:15	Kushtia, Khulna, Bangladesh
IEEE CS BDC Annual General Meeting and Award Ceremony 2022 : Bangladesh Section Chapter, C16	1/28/2023 12:30	Bangladesh-Korea Information Access Center, Department Of CSE, BUET (Map: IAC, CSE, BUET ), Dhaka, Dhaka, Bangladesh
IEEE CS BDC ExCom 2023 Meeting (1st) : Bangladesh Section Chapter, C16	2/4/2023 21:00	
Robo-Tech Olympiad 2023 : Bangladesh Section Chapter, C16	2/7/2023 8:30	Mawlana Bhashani Science and Technology University (MBSTU), Tangail, Dhaka, Bangladesh
Roles of Artificial Intelligence and Machine Learning in Industry 4.0 : Bangladesh Section Chapter, C16	2/11/2023 12:00	Kushtia, Khulna, Bangladesh
IEEE Membership Retention Day 2023 : Bangladesh Section Chapter, C16	2/25/2023 20:30	
National Workshop on Current Research Trends in Computing World : Bangladesh Section Chapter, C16	2/26/2023 9:00	Dhaka, Dhaka, Bangladesh
Reception of IEEE Global Leader and Reopening of IEEE DIU Student Branch 2022-23 : Bangladesh Section Chapter, C16	2/26/2023 10:00	Dhaka, Dhaka, Bangladesh
Webinar on IEEE Membership Benefits & Opportunities : Bangladesh Section Chapter, C16	3/1/2023 19:00	
The Use of Plasmonic Metal Nanoparticles to Enhance the Opto-Electronic Performance Levels of Solar Cells : Bangladesh Section Chapter, C16	3/2/2023 11:00	Dhaka, Dhaka, Bangladesh
Industry-academia Collaboration for Professional Development : Bangladesh Section Chapter, C16	3/4/2023 10:00	
Realizing the Potential of AI and Automation: Exemplary Instances of Effective Implementations, : Bangladesh Section Chapter,PHO36	4/7/2023 22:30	
COMPILATION, ANALYSIS, AND APPLICATION OF A COMPREHENSIVE BANGLA CORPUS : Bangladesh Section Chapter, C16	4/8/2023 11:00	
ENSURING COMPLIANCE IN INDUSTRIAL SQA: BUILD YOUR CAREER IN SOFTWARE QUALITY ASSURANCE : Bangladesh Section Chapter, C16	4/17/2023 22:30	
Crafting Research: A generalised approach from planning to publishing research : Bangladesh Section Chapter, C16	4/29/2023 20:00	

Inauguration Ceremony of 2023 for IEEE Student Branch GUB : Bangladesh Section Chapter, C16	5/5/2023 16:00	Dhaka, Dhaka, Bangladesh
Post Eid al-Fitr IEEE CS BDC Volunteers Get Together (National Level) : Bangladesh Section Chapter, C16	5/5/2023 21:00	Dhaka, Dhaka, Bangladesh
Intelligent Transport Systems Webinar : Bangladesh Section Chapter, C16	5/13/2023 21:15	Online
BSFMSTU CSE Fest 2023 : Bangladesh Section Chapter, C16	5/16/2023 9:00	Jamalpur, Dhaka, Bangladesh
Android App Development "Flutter" : Bangladesh Section Chapter, C16	5/21/2023 21:30	Online
Introductory Ice-Breaking Meeting    Student Branch Ambassador of IEEEExtreme 17.0 Bangladesh Section : Bangladesh Section Chapter, C16	5/25/2023 21:00	Online
IEEE Computer Society Bangladesh Chapter Summer Symposium 2023 : Bangladesh Section Chapter, C16	6/9/2023 9:00	Kushtia , Khulna, Bangladesh
Graph Algorithms in Engineering, Biology, and Social Sciences : Bangladesh Section Chapter, C16	6/9/2023 11:45	Islamic University, Kushtia, Khulna, Bangladesh
Industry Talk: Resource Person from BRACNet : Bangladesh Section Chapter, C16	6/9/2023 16:15	Islamic University, Kushtia, Khulna, Bangladesh
Internet of Things (IoT) and Wireless Sensor Network Applications in Smart Agriculture : Bangladesh Section Chapter, C16	6/10/2023 10:45	Islamic University, Kushtia, Khulna, Bangladesh
IEEE CS BDC Session : Bangladesh Section Chapter, C16	6/10/2023 16:15	Islamic University, Kushtia, Khulna, Bangladesh
Insights: IEEE CS BDC Team SPARK : Bangladesh Section Chapter, C16	6/10/2023 17:00	Islamic University, Kushtia, Khulna, Bangladesh
International Conference on Next-Generation Computing, IoT and Machine Learning (NCIM 2023) : Bangladesh Section Chapter, C16	6/16/2023 8:00	Gajipur, Dhaka, Bangladesh
A NOVEL CLOUD STORAGE ECO-SYSTEM FOR EFFICIENT AND SECURED MULTIMEDIA SERVICES : Bangladesh Section Chapter, C16	6/16/2023 21:00	Online
Privacy & Security: Federated Learning & Blockchain for AV Data Sharing : Bangladesh Section Chapter, C16	6/22/2023 21:00	Online
Exploring the Infrastructure Empowering New Gen Language Models : Bangladesh Section Chapter, C16	6/22/2023 21:30	Online
AI in Healthcare & Related Issues: Some Challenges. : Bangladesh Section Chapter, C16	6/23/2023 20:00	Online
IEEEExtreme 17.0 Info-Session : Bangladesh Section Chapter, C16	7/5/2023 21:30	Online
IEEE CS BDC ExCom 2023 Meeting (6th) : Bangladesh Section Chapter, C16	7/8/2023 21:00	Online

Innovation in Motion: Inspiring the Next Generation of Technological Visionaries : Bangladesh Section Chapter, C16	7/14/2023 10:00	Dhaka University of Engineering & Technology,, Gazipur, Dhaka, Bangladesh
Line Rider Championship : Bangladesh Section Chapter, C16	7/14/2023 10:30	Dhaka University of Engineering & Technology, Gazipur, Dhaka, Bangladesh
Earthquake Rescue Bot : Bangladesh Section Chapter, C16	7/14/2023 12:30	Dhaka University of Engineering & Technology, Gazipur, Dhaka, Bangladesh
Idea & Project Exhibition : Bangladesh Section Chapter, C16	7/14/2023 14:30	Dhaka University of Engineering & Technology, Gazipur, Dhaka, Bangladesh
ICT Olympiad : Bangladesh Section Chapter, C16	7/14/2023 16:00	Dhaka University of Engineering & Technology, Gazipur, Dhaka, Bangladesh
Design Contest : Bangladesh Section Chapter, C16	7/14/2023 17:00	Dhaka University of Engineering & Technology, Gazipur, Dhaka, Bangladesh
Unleashing the Power of SWOT Analysis: A Comprehensive Guide for Professionals : Bangladesh Section Chapter, C16	7/17/2023 21:59	Online
Collaboration Meeting: IEEE CS BDC Team SPARK & IEEE CS BDC SAC : Bangladesh Section Chapter, C16	7/21/2023 22:00	Online
IEEEExtreme Roster Management: Strategies for Success : Bangladesh Section Chapter, C16	7/22/2023 20:00	Online
Higher Education in North America: Women in Computing Webinar : Bangladesh Section Chapter, C16	7/22/2023 21:00	Online
IEEE Computer Society Bangladesh Chapter Leadership Summit 2023 : Bangladesh Section Chapter, C16	7/27/2023 21:00	Online
IEEE CS BDC EXCOM 2023 MEETING (7TH) : Bangladesh Section Chapter, C16	8/5/2023 21:00	Online
Battling Wits and Skill: Thriving in IEEEExtreme at the Highest Level : Bangladesh Section Chapter, C16	8/9/2023 21:00	Online
Code Warriors Unleashed: Turbocharge Your Xtreme Challenge : Bangladesh Section Chapter, C16	8/10/2023 21:00	Online
Funding the Future: Empowering IEEEExtreme through Sponsorship : Bangladesh Section Chapter, C16	8/14/2023 21:00	Online
Proctor Registration and Awareness on the Role of a Proctor : Bangladesh Section Chapter, C16	8/15/2023 21:00	Online
From Ideas to Action: XR Policy Hackathon : Bangladesh Section Chapter, C16	8/16/2023 21:30	Online

Canva Design Hacks: Create Stunning Graphics : Bangladesh Section Chapter, C16	8/19/2023 21:00	Online
Data Structures Deep Dive: Empowering Problem-Solving for IEEEExtreme Triumph : Bangladesh Section Chapter, C16	8/20/2023 21:00	Online
Unlocking the Potential: XR Policy Insights from the Korea XR Hub Hackathon : Bangladesh Section Chapter, C16	8/25/2023 21:30	Online
How to Use Hackathons to Launch Your Engineering and Technology Career : Bangladesh Section Chapter, C16	9/28/2023 20:46	Online
Role of Bioinformatics in Biological Data Science for Disease Diagnosis, Prognosis, and Therapies. : Bangladesh Section Chapter, C16	9/29/2023 21:15	Online
Navigating ERP Systems for Seamless IT Administration & Uncovering Promising Career Opportunities : Bangladesh Section Chapter, C16	10/6/2023 21:00	Online
Workshop on Microarray Data Analysis Using Bio-Conductor R : Bangladesh Section Chapter, C16	10/16/2023 22:00	Tangail, Dhaka, Bangladesh
Cyber Ethical Hacking and Software Security Management: A Holistic Approach : Bangladesh Section Chapter, C16	10/28/2023 20:00	Online
IEEE CS BDC ExCom 2023 Meeting (10th) : Bangladesh Section Chapter, C16	11/4/2023 21:15	Online
IEEE CS BDC ExCom 2023 Meeting (11th) : Bangladesh Section Chapter, C16	12/10/2023 21:00	Online
IEEE SIGNAL PROCESSING SOCIETY BANGLADESH CHAPTER MEETING NOTICE : Bangladesh Section Chapter,SP01	3/14/2023 18:00	ECE Building, Bangladesh University of Engineering and Technology, Dhaka, Dhaka, Bangladesh
IEEE SPS Day Meet & Greet : Bangladesh Section Chapter,SP01	6/2/2023 18:30	CH10830 - Bangladesh Section Chapter,SP01, R00073 - Bangladesh Section
Brain Automation Symposium 2023 : Bangladesh Section	7/15/2023 14:30	IICT Room 705, ECE Building, BUET, Dhaka, Dhaka, Bangladesh
A technical seminar on Computer Vision Based Automation : Bangladesh Section	10/2/2023 17:00	10th Floor, ECE Building, West Palashi Campus, BUET, Dhaka, Dhaka, Bangladesh
Humanitarian Project Design Idea Contest at the International Symposium on Social Implications of Sustainable Technology Pre-Conference (SympSIST 2023) : Bangladesh Section	12/13/2023 8:30	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Workshop and Case Study at the International Symposium on Social Implications of Sustainable	12/13/2023 8:55	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh

Technology Pre-Conference (SympSIST 2023) : Bangladesh Section		
<b>Technical Talks &amp; Panel Discussion</b> —» at the International Symposium on Social Implications of Sustainable Technology Pre-Conference (SympSIST 2023) : Bangladesh Section	12/13/2023 9:20	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Undergraduate Research Paper Competition at the International Student-Led Pre-Conference 2023 : Bangladesh Section	12/13/2023 10:00	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Postgraduate Thesis Competition at the International Student-Led Pre-Conference 2023 : Bangladesh Section	12/13/2023 10:20	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Undergraduate Thesis Paper Contest at the International Student-Led Pre-Conference 2023 : Bangladesh Section	12/13/2023 10:40	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Postgraduate Research Paper Contest at the International Student-Led Pre-Conference 2023 : Bangladesh Section	12/13/2023 11:00	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Undergraduate Project Video Competition at the International Student-Led Pre-Conference 2023 : Bangladesh Section	12/13/2023 11:20	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
IEEE Student Branch Website Contest at the International Student-Led Pre-Conference 2023 : Bangladesh Section	12/13/2023 11:30	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Undergraduate Student Activity Video Contest at the International Student-Led Pre-Conference 2023 : Bangladesh Section	12/13/2023 11:45	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Pitching Competition at International Professional Activities Pre-Conference (ProCon 2023) : Bangladesh Section	12/13/2023 12:00	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Professional Case Study at International Professional Activities Pre-Conference (ProCon 2023) : Bangladesh Section	12/13/2023 12:20	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Talk & Panel Discussion at International Professional Activities Pre-Conference (ProCon 2023) : Bangladesh Section	12/13/2023 13:00	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
WIE BD Summit 2023: Climate Change Idea Competition : Bangladesh Section	12/13/2023 14:30	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
WIE BD Summit 2023: Empowering Change - The Journey of Team Hawkeye : Bangladesh Section	12/13/2023 15:00	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Entrepreneurship Idea Contest and Bootcamp: Pre-Conference Round International Industrial Activities Conference (INDCon 2023) : Bangladesh Section	12/13/2023 16:00	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh

Preparation of Budget and Business Model International Industrial Activities Pre-Conference (INDCon 2023) : Bangladesh Section	12/13/2023 16:30	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Internship Opportunities: Internship for graduates and undergraduates in Energypac Bangladesh International Industrial Activities Pre-Conference (INDCon 2023) : Bangladesh Section	12/13/2023 17:00	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Talks and Panel Discussion: Industrial IoT: Prospects in Bangladesh and Future Scopes International Industrial Activities Pre-Conference (INDCon 2023) : Bangladesh Section	12/13/2023 17:30	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Ins and Outs of Research Publication at International Young Professionals Activity Pre-Conference 2023 (YPCon 2023) : Bangladesh Section	12/13/2023 18:00	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Essentials of Graduate Study Application at International Young Professionals Activity Pre-Conference 2023 (YPCon 2023) : Bangladesh Section	12/13/2023 18:25	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
Closing Remarks of International Young Professionals Activity Pre-Conference 2023 (YPCon 2023) : Bangladesh Section	12/13/2023 18:50	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
WIE BD Summit 2023: Climate Change Idea Competition Final Round : Bangladesh Section	12/27/2023 14:00	Online
Entrepreneurship Idea Contest and Bootcamp: Final Round International Industrial Activities Post-Conference (INDCon 2023) : Bangladesh Section	12/27/2023 16:00	Online
Humanitarian Project Design Idea Contest Final Round at the International Symposium on Social Implications of Sustainable Technology Post-Conference (SympSIST 2023) : Bangladesh Section	12/27/2023 18:00	Online
UNDERGRADUATE STUDENT ACTIVITY VIDEO CONTEST AT THE INTERNATIONAL STUDENT-LED POST-CONFERENCE 2023 : Bangladesh Section	12/28/2023 10:00	Online
Postgraduate Research Paper Contest at the International Student-Led Post-Conference 2023 : Bangladesh Section	12/28/2023 14:00	Online
Undergraduate Thesis Paper Contest at the International Student-Led Post-Conference 2023 : Bangladesh Section	12/28/2023 15:00	Online
Final session of Postgraduate Thesis Paper Competition at the International Student-Led Post-Conference 2023 : Bangladesh Section	12/28/2023 17:00	Online
Final session of Undergraduate Research paper Competition at the International Student-Led Post-Conference 2023 : Bangladesh Section	12/28/2023 18:00	Online



Final session of Undergraduate Project Video Competition at the International Student-Led Post-Conference 2023 : Bangladesh Section	12/28/2023 20:00	Online
Case Study and Workshop Final Round at the International Symposium on Social Implications of Sustainable Technology Post-Conference (SympSIST 2023) : Bangladesh Section	12/29/2023 18:00	Online
<b>Technical Talks &amp; Panel Discussion</b> at International Young Professionals Activity Post-Conference 2023 (YPCon 2023) : Bangladesh Section	12/29/2023 19:00	Online
IEEE SPS 75 Years Celebration : Bangladesh Section Chapter,SP01	12/30/2023 14:00	IICT Room 705, ECE Building, BUET, Dhaka, Dhaka, Bangladesh
IEEE BANGLADESH SECTION STUDENT BRANCH (SB) CHAIR'S, COUNSELORS', WIE SB AG AND SB SOCIETY CHAPTER ADVISORS' MEET UP 2023 : Bangladesh Section	12/30/2023 15:00	IICT Room 705, ECE Building, BUET, Dhaka, Dhaka, Bangladesh
Debate Competition at International Professional Activities Conference (ProCon 2023) : Bangladesh Section	12/30/2023 21:00	Online
Pitching Competition at International Professional Activities Post-Conference (ProCon 2023) : Bangladesh Section	12/31/2023 14:00	Online
Professional Case Study at International Professional Activities Post-Conference (ProCon 2023) : Bangladesh Section	12/31/2023 16:00	Online
Technical Talk on Humanitarian Project Idea Contest at the International Symposium on Social Implications of Sustainable Technology Post-Conference (SympSIST 2023) : Bangladesh Section	12/31/2023 17:30	Online
The Technical Talk and Panel Discussion at International Young Professionals Activity Post-Conference 2023 (YPCon 2023) : Bangladesh Section	12/31/2023 18:00	Online
IEEE SPS, IAS, EMBS, RAS, SSIT BANGLADESH CHAPTERS MEETING NOTICE	03/14/2023 6:00:00 PM	ECE Building, Bangladesh University of Engineering and Technology, Dhaka, Dhaka, Bangladesh
IEEE Photonics Society Bangladesh Chapter: AGM and Formation of Executive Committee 2023 : Bangladesh Section Chapter,PHO36	1/15/2023 18:30	Online
The Use of Plasmonic Metal Nanoparticles to Enhance the Opto-Electronic Performance Levels of Solar Cells : Bangladesh Section Chapter, C16	3/2/2023 11:00	Dhaka, Dhaka, Bangladesh
Realizing the Potential of AI and Automation: Exemplary Instances of Effective Implementations, : Bangladesh Section Chapter,PHO36	4/7/2023 22:30	Online

Computational Nanophotonics -How It Can Used to Design Novel Solar Cells with High Light Absorption-Electron Generation Efficiency : Bangladesh Section Chapter,PHO36	6/10/2023 11:30	Islamic University, Kushtia, Khulna, Bangladesh
Mastering Technical Article Writing - Guide to Authorsgate 3.0 : Bangladesh Section Chapter,PHO36	8/17/2023 21:00	CH10969 - Bangladesh Section Chapter,PHO36
AUTHORSGATE 3.0 BY IEEE KUET STUDENT BRANCH : Bangladesh Section Chapter,PHO36	9/15/2023 10:03	KUET Campus, Khulna, Khulna, Bangladesh
EDS Technical Talk on Electronic Device modeling and simulation : Bangladesh Section Jt. Chapter, ED15/SSC37	1/11/2023 13:00	BUET West Palashi Campus, Dhaka, Dhaka, Bangladesh
ExCom meeting of IEEE ED/SSCS BD Chapter : Bangladesh Section Jt. Chapter, ED15/SSC37	2/12/2023 20:30	Online
Industrial Talk on Prospects of VLSI Design Industry : Bangladesh Section Jt. Chapter, ED15/SSC37	6/6/2023 13:45	Mini Seminar Hall, Level 11, Tower 3, Military Institute of Science and Technology (MIST), Mirpur Cantonment, Dhaka, Dhaka, Bangladesh
Three Minutes Thesis Competition(3MT) : Bangladesh Section Jt. Chapter, ED15/SSC37	6/14/2023 8:00	Department of EEE, BUET, Dhaka, Dhaka, Bangladesh
Power GaNFET Semiconductor Technology is in the Forefront of Reduced Carbon Footprint in Automotive Power Electronics including Power Train Solutions and Industrial Applications : Bangladesh Section Jt. Chapter, ED15/SSC37	7/16/2023 16:00	Room No. 921 , ECE Building, BUET, Dhaka, Dhaka, Bangladesh
IEEE EDS/SSCS Seminar on "State of the art in Functional Verification and the concept of Portable Stimulus" : Bangladesh Section Jt. Chapter, ED15/SSC37	8/7/2023 12:00	Room No. 625 , ECE Building, BUET, Dhaka, Dhaka, Bangladesh
IEEE EDS/SSCS Seminar on Visual Analytics : Bangladesh Section Jt. Chapter, ED15/SSC37	8/19/2023 12:00	Room No: 920, ECE Building, BUET West Palashi Campus, Dhaka, Dhaka, Bangladesh

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

- Summary (as per submitted to MGA Finance Team for NextGen Upload)  
\*\*All the amounts are in Bangladesh Taka (BDT)

**The Institute of Electrical and Electronic Engineers, Bangladesh Section**

**Financial Statement**

**January 1, 2023 to December 31, 2023c**

Sl. No.	Particulars	BDT	
		Dr.	Cr.
1	<b>Opening Balance at Hand (Including reserve 2022)</b>		62199.00
2	<b>Opening Balance at Bank</b>		3,56,758.33
3	Total Fund Received		8123583.00
4	Total Expenditure	5803153.52	
5	<b>Closing Balance Cash in Hand (Including reserve 2022)</b>	383406.48	
6	<b>Closing Balance at Bank</b>	23,55,980.33	
	Balance	8542540.33	8542540.33

Any other financial activities

## **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		
2021	2022	2023	2021	2022	2023	2021	2022	2023
1704	1034	921	2251	2969	2705	4011	4039	3626

- 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: 1
- Number of Chapters formed in the current year: 0
- Number of active Chapters (Chapters who have reported required number of meetings during the year): 10
- Summary of Chapter activities (Chapter wise with attachment table/information)

### **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

Technical Cosponsorship for the following conferences:

Conference Name	Organizer	Date
3 <sup>rd</sup> International Conference on Electrical Computer and Communication Engineering (ECCE 2023)	Chittagong University of Engineering and Technology (CUET)	23/02/2023 to 25/02/2023
3RD INTERNATIONAL CONFERENCE ON ROBOTICS, ELECTRICAL AND SIGNAL PROCESSING TECHNIQUES (ICREST 2023)	American International University Bangladesh (AIUB)	07/01/2023 to 09/01/2023
2023 International Conference on Information and Communication Technology for Sustainable Development (ICICT4SD)	BUP	21-23 September, 2023
6th International Conference on Electrical Information and Communication Technology (EICT)	KUET	7-9 Dec, 2023

### **B.4 Students Activities**

- Total number of Student Branches in the Section: **56**
- Number of Student Branches formed in the current year: **0**
- Section level student activities (student congress, paper and other contests, awards etc)

Event	Date	Platform
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International Student-LED Conference (Student-LED Con 2023)	12-15 Dec 2023	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh
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- Number of active Student Branches (Student Branches who have reported required number of meetings during the year): **45**
- Summary of Student Branch activities (Student Branch wise with attachment table/information):  
Total Number of Events **744**. Please See Annexure 1 for detailed list of all events organized under section.  
[https://docs.google.com/document/d/1fh30POa37aJXmD5M6He\\_q-ICFFjtLs7Kem8\\_r\\_RMU9U/edit?usp=sharing](https://docs.google.com/document/d/1fh30POa37aJXmD5M6He_q-ICFFjtLs7Kem8_r_RMU9U/edit?usp=sharing)

## B.5 Affinity Group Activities

- Major YP and WIE Group Activities

Event Title	Event Date	Organizing AG	Event Location
Celebrating International Women's Day 2023 : Bangladesh Section	3/7/2023 16:45	R00073 - Bangladesh Section, WE00073 - Bangladesh Section Affinity Group, WIE	
IEEE WIE AFFINITY GROUP OF BANGLADESH SECTION MEETING NOTICE : Bangladesh Section Affinity Group, WIE	3/14/2023 18:00	WE00073 - Bangladesh Section Affinity Group, WIE	ECE Building, Bangladesh University of Engineering and Technology, Dhaka, Dhaka, Bangladesh
IEEE WIE BD AGs Meet Up : Bangladesh Section	7/28/2023 16:00	R00073 - Bangladesh Section, WE00073 - Bangladesh Section Affinity Group, WIE	
Celebration of IEEE DAY 2023 : Bangladesh Section	10/14/2023 19:00	R00073 - Bangladesh Section, WE00073 - Bangladesh Section Affinity Group, WIE	
9th IEEE WIECON-ECE 2023, 25-26 NOV, 2023 : Bangladesh Section	11/25/2023 6:00	R00073 - Bangladesh Section, WE00073 - Bangladesh Section Affinity Group, WIE	Sree Chitra Thirunal College of Engineering, Thiruvananthapuram, NH 66, CTO Colony, Pappanamcode, Thiruvananthapuram, Kerala, India

- Life Member (LM)

## B.6 Awards & Recognition Activities

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

## 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) <http://www.ieeebd.com>
- 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 2022	IEEE Higher Grade Member in 2023	Growth Percentage in IEEE Higher Member Grade
1034	921	11% Reduction

- Activities for/with industrial members

Event	Date	Location
International Professional Activities Conference (ProCon 2023)	12-15 Dec 2023	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh

## B.9 Humanitarian Technology Activities

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

Event Title	Event Date	Event Location
Humanitarian Project Design Idea Contest at the International Symposium on Social Implications of Sustainable Technology Pre-Conference (SympSIST 2023) : Bangladesh Section	12/13/2023 8:30	14, Kalatoli, Hotel-Motel Zone, Cox's Bazar, Chittagong, Bangladesh

## B.10 Community Activities

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

Event	Date	Platform
Celebration of IEEE DAY 2023	14 Oct 2023	Virtual

## **PART C - OTHERS**

### **C.1 Special Events**

- Please briefly describe the importance of special events and the outcomes achieved
  - IEEE WIECON-ECE —Inspired women researchers and industry experts to share their latest innovations. and connected women from many countries around the globe
- Funding secured from the IEEE and external sources including sponsorships

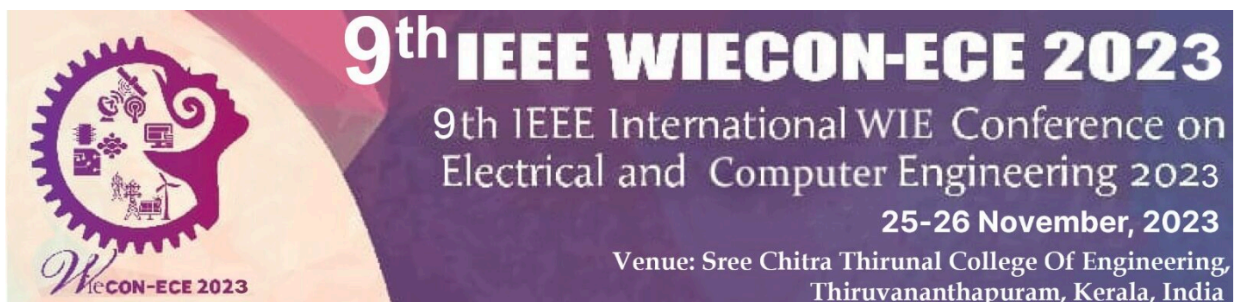
### **C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)**

- Nature of relationship and details of any formal agreement signed
  - No Formal Agreement Signed this year.
- Details of joint activities
- 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**

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

IEEE Bangladesh Section and IEEE Kerala Section in collaboration with their WIE Affinity Group are jointly organizing the 9th IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering 2023 (IEEE WIECON-ECE 2023). at Sree Chitra Thirunal College of Engineering, Thiruvananthapuram, Kerala, INDIA.



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

- Support extended for organising technical, educational and professional activities Section jointly organized events with technical chapters and different educational and professional activities as reported earlier.
- Joint activities for membership development:  
In every conference and Webinars, free WIE membership for students and SPS 1 USD Student Membership fee were widely promoted
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

## **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 organizations 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 needs of the 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.

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

Membership Development due to global recession and job loss was a huge challenge. So, running a membership drive 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 to get access to an 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 due to the 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 2024
- SympSIST 2024
- Distinguished 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, IEEE EMBS 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, 2020, 2021, 2022 and 2023. In 2024 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.

### **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 surveys and develop a student network to make strategies for sustainable membership. Registration benefits 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.
- The World Bank supported the 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 is self-sustainable.