

# LITON CHANDRA PAUL

## Personal Data

**Faculty Member** (Assistant Professor)

Dept. of Electrical, Electronic and Communication Engineering

Faculty of Engineering and Technology

Pabna University of Science and Technology, Pabna-6600, Bangladesh

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Website: [Personal](#), [Work](#), [Google scholar](#), [Research gate](#), [Scopus](#), [ORCiD](#), [IEEE](#), [Linkedin](#)

## Academic Credentials

**Master of Science in Electrical and Electronic Engineering**

**Aug. 2, 2015**

Rajshahi University of Engineering & Technology, Rajshahi-6204, Bangladesh

**CGPA 3.92** out of 4

**Bachelor of Science in Electronics and Telecommunication Engineering**

**1<sup>st</sup> class 1<sup>st</sup> position** (Class Size: 30), **University Gold Medalist**

**Sept. 19, 2012**

Rajshahi University of Engineering & Technology, Rajshahi-6204, Bangladesh

**CGPA 3.79** out of 4

## Research Interest

- Antenna and Wave Propagation, AI, Biomedical Engineering, Wireless Communication.

## Outstanding Achievements and Awards

- University Gold Medal:** Received "University Gold Medal" from the Honorable President of the People's Republic of Bangladesh and Chancellor of Rajshahi University of Engineering & Technology at the 4th Convocation of the University due to outstanding academic performance.
- 1<sup>st</sup> class 1<sup>st</sup> position** (Class Size: 30) with honors.
- Best Student Award -2012** from the dept. of Electronics and Telecommunication Engineering.
- Received Technical Scholarships based on the results of 1<sup>st</sup> year, 2<sup>nd</sup> year and 3<sup>rd</sup> year** from Rajshahi University of Engineering and Technology (RUET).

## GRE

- 305** (Verbal-147, Quant-158, AWA-3.00), Test Date: June 17, 2021

## Research Grants

- [RG1] Project Title: **Design and Analysis of Multiband Efficient Rectenna System for RF Energy Harvesting**, Grant offered by University Grants Commission (UGC) of Bangladesh, Period 2020-21.
- [RG2] Project Title: **Human Brain Tumor Detection by Using CPW Fed Miniaturized UWB Vivaldi Antenna**, Grant offered by University Grants Commission (UGC) of Bangladesh, Period 2019-20.
- [RG3] Project Title: **A New Hybrid Design of Dielectric Resonator Antenna for Unlicensed 60 GHz Frequency Band**, Grant offered by University Grants Commission (UGC) of Bangladesh, Period 2018-19.
- [RG4] Project Title: **Design and Optimization of Inset Feed Rectangular Microstrip Patch Antenna for Wireless Communication**, Grant offered by University Grants Commission (UGC) of Bangladesh, Period 2017-18.
- [RG5] Project Title: **Performance Assessment of Layered Space Time Encoded SC-FDMA Wireless Communication System for Color Image Transmission**, Grant offered by University Grants Commission (UGC) of Bangladesh, Period 2014-15.
- [RG6] Project Title: **Potential Health Hazards Analysis of High Frequency Radiation around Cellular Base Station Antenna and Handheld Mobile Phone in Bangladesh**, Grant offered by University Grants Commission (UGC) of Bangladesh, Period 2014-15.

## Publications

### **Journal Articles: Total - 3**

- [J1] R. Azim, R. Aktar, A.K.M.M.H. Siddique, **L.C. Paul** and M.T. Islam, "*Circular patch planar ultra-wideband antenna for 5G sub-6 GHz wireless communication applications*", Journal of Optoelectronics and Advanced Materials, vol. 23, no. 3-4, pp. 127 - 133, March - April 2021. Impact factor: 0.631 (**Q3**).
- [J2] M.Z. Mahmud, M. Samsuzzaman, **L.C. Paul**, M.R. Islam and M.T. Islam, "*A dielectric resonator based line stripe miniaturized ultra-wideband antenna for fifth-generation applications*", Int'l Journal of Communication Systems, vol. 34, no 5, pp. 1-8, 2021, Impact factor 1.319 (**Q2**).
- [J3] **L.C. Paul** and A.A. Suman, "*Face Recognition Using Principal Component Analysis Method*", Int'l Journal of Advanced Research in Computer Engineering & Technology, vol. 1, no. 9, pp. 135-139, Nov. 2012.

## Conference Articles: Total - 46 (IEEE-40, Springer-1, IET-2, Others-3)

- [C1] **L. C. Paul**, M.H. Ali, N. Sarker, M.Z. Mahmud, R. Azim and M.T. Islam, "**A Wideband Rectangular Microstrip Patch Antenna with Partial Ground Plane for 5G Applications**," 10th Int'l Conf. on Informatics, Electronics & Vision, Japan, pp. 1-5, 16-20 August, 2021. (Accepted)
- [C2] **L.C. Paul**, S.C. Das, N. Sarker, M.F. Ishraque, R. Azim and M. Z. Mahmud, "**A Low Profile Microstrip Patch Antenna with DGS for 5G Application**," Int'l Conf. on Science and Contemporary Technologies, Bangladesh, pp 1-5, 5-7 August 2021. (Accepted)
- [C3] **L.C. Paul**, S.C. Das, N. Sarker, R. Azim, M.F. Ishraque and S.A. Shezan, "**A Wideband Microstrip Patch Antenna with Slotted Ground Plane for 5G Application**," Int'l Conf. on Science and Contemporary Technologies, Bangladesh, pp 1-5, 5-7 August 2021. (Accepted)
- [C4] M.A. Haque, **L.C. Paul**, S. Kumar, R. Azim, M.S. Hosain and M.A. Zakariya, "**A Plowing T-shaped Patch Antenna for WiFi and C Band Applications**", Int'l Conf. on Automation, Control and Mechatronics for Industry 4.0, Bangladesh, pp.1-4, 8-9 July 2021. (Accepted)
- [C5] M.S. Hossain, S. Saha, **L.C. Paul**, R. Azim and A.A. Suman "**Ischemic Brain Stroke Detection From MRI Image Using Logistic Regression Classifier**", 2<sup>nd</sup> Int'l Conf. on Robotics, Electrical and Signal Processing Techniques, Bangladesh, 5-7 Jan. 2021, pp. 763-767, doi: 10.1109/ICRE ST51555.2021.9331090.
- [C6] M.A. Jidney, M.Z. Mahmud, M. Rahman, **L.C. Paul** and M.T. Islam "**A Circular Shaped Microstrip Line Fed Miniaturized Patch Antenna for 5G Applications**", 2nd Int'l Conf. on Sustainable Technologies for Industry 4.0, Bangladesh, 19-20 Dec. 2020, pp.1-4, doi: 10.1109 /STI5 0764.2020.9350513.
- [C7] M.H. Mahmud, K. Khaleduzzaman, S. Sarker and **L.C. Paul**, "**Effect of Path Loss Models on Performance of 5G Compatible MIMO WINDOW-OFDM Systems**," Int'l Conf. on Smart Technologies in Computing, Electrical and Electronics, India, 9-10 Oct 2020, pp. 257-262, doi: 10.1109/ICSTCEE49637.2020.9277121.
- [C8] **L.C. Paul**, M.I. Hasan, R. Azim, M.R. Islam and M.T. Islam, "**Design of High Gain Microstrip Array Antenna and Beam Steering for X Band RADAR Application**," 9th Int'l Conf. on Informatics, Electronics & Vision, Fukuoka, Japan, 26-29 Aug., 2020, pp. 1-7, doi: 10.1109/ICI EVicIVPR48672.2020.9306519.
- [C9] R. Azim, T. Alam, **L.C. Paul**, R. Aktar, A.K.M.M.H. Meaze and M.T. Islam, "**Low Profile Multi-slotted Patch Antenna for Lower 5G Application**," IEEE Region 10 Symposium, Bangladesh, 5-7 June 2020, pp. 366-369, doi: 10.1109/TENSYMP50017.2020.9230892.
- [C10] R. Azim, A.K.M.M.H Meaze, M. Shuhrawardy and **L.C. Paul**, "**A Low Profile Wideband Planar Antenna for 5G Wireless Communication Applications**," National Conf. on Communications, IIT, Kharagpur, India, 21-23 Feb. 2020, pp. 1-4, doi: 10.1109/NCC486 43.202 0.9056012.
- [C11] S. Osman, M.M. Mowla, P. Paul and **L.C. Paul**, "**Energy-Efficient Hybrid Precoding Analysis in 5G mmWave massive MIMO Systems in Different Channels**," 3rd Int'l Conf. on Electrical,

- Computer & Telecommunication Engineering, Bangladesh, 26-28 Dec. 2019, pp. 101-104, doi: 10.1109/ICECTE48615.2019.9303517.
- [C12] S. Osman, M. M. Mowla, P. Paul and **L. C. Paul**, "*Energy-Efficient Hybrid Precoding Analysis in 5G mmWave massive MIMO Systems with Large Antenna Arrays*," 3rd Int'l Conf. on Electrical, Computer & Telecommunication Engineering, Bangladesh, 26-28 Dec. 2019, pp. 97-100, doi: 10.1109/ICECTE48615.2019.9303520.
- [C13] **L.C. Paul**, M.N. Hossain, M.M. Mowla, M.Z. Mahmud, R. Azim and M.T. Islam, "*Human Brain Tumor Detection Using CPW Fed UWB Vivaldi Antenna*," IEEE Int'l Conf. on Biomedical Engineering, Computer and Information Technology for Health, Bangladesh, 28-30 Nov. 2019, pp. 1-6, doi: 10.1109/BECITHCON48839.2019.9063185.
- [C14] M. A. Haque, **L. C. Paul**, R. Azim, M. M. Mowla, A. Saleh and M. N. Hossain, "*A Modified E-Shaped Microstrip Patch Antenna for C Band Satellite Applications*," Int'l Conf. on Signal Processing, Information, Communication & Systems, Bangladesh, 28-30 Nov. 2019, pp. 27-31, doi: 10.1109/SPICSCON48833.2019.9065126.
- [C15] M.M. Rahman, A.K. Sarkar and **L.C. Paul**, "*A Voltage Dependent Meander Line Dipole Antenna with Improve Read Range as a Passive RFID Tag*". In: Saini H.S., Singh R.K., Tariq Beg M., Sahambi J.S. (eds) Innovations in Electronics and Communication Engineering, 2-3 August, 2019, Lecture Notes in Networks and Systems, vol. 107, 2020, Springer, Singapore. [https://doi.org/10.1007/978-981-15-3172-9\\_14](https://doi.org/10.1007/978-981-15-3172-9_14).
- [C16] M.M. Rashid, A. Rahman, **L.C. Paul**, J. Rafa, B. Podder and A.K. Sarkar, "*Breast Cancer Detection & Tumor Localization Using Four Flexible Microstrip Patch Antennas*," Int'l Conf. on Computer, Communication, Chemical, Materials and Electronic Engineering, Bangladesh, 11-12 July 2019, pp. 1-6, doi: 10.1109/IC4ME247184.2019.9036481.
- [C17] **L.C. Paul**, M.N. Hossain, M.M. Rashid, M.M. Mowla, M.Z. Mahmud and M.T. Islam, "*A Novel Miniaturized Coplanar Waveguide Fed Tapered Slot Ultra Wide Band Vivaldi Antenna For Microwave Imaging Applications*," 10th Int'l Conf. on Computing, Communication and Networking Technologies, India, 6-8 July 2019, pp. 1-6, doi: 10.1109/ICCCNT45670.2019.8944602.
- [C18] **L.C. Paul**, R.K. Pramanik, M.M. Rashid, M.N. Hossain, M.Z. Mahmud and M.T. Islam, "*Wideband Inset Fed Slotted Patch Microstrip Antenna for ISM Band Applications*," 8th Int'l Conf. on Informatics, Electronics & Vision, WA, USA, 30 May - 2 June 2019, pp. 79-84, doi: 10.1109/ICIE V.2019.8858553.
- [C19] M.M Rashid, A. Rahman, **L.C. Paul** and A.K. Sarkar, "*Performance Evaluation of a Wearable 2.45 GHz Planar Printed Meandering Monopole Textile Antenna on Flexible Substrates*," 1st Int'l Conf. on Advances in Science, Engineering and Robotics Technology, Bangladesh, 10-12 Jan. 2019, pp. 1-6, doi: 10.1109/ICASERT.2019.8934451.
- [C20] **L. C. Paul**, R.K. Pramanik, M.M. Rashid, S. Sarker, M.Z. Mahmud and M.T. Islam, "*An ITO Based High Gain Optically Transparent Wide Band Microstrip Antenna for K Band Satellite Communication*," Int'l Conf. on Robotics, Electrical and Signal Processing Techniques, Bangladesh, 10-12 Jan. 2019, pp. 638-642, doi: 10.1109/ICREST.2019.8644203.

- [C21] **L.C. Paul**, M.M.G. Nabi, M.M. Rashid, R. Sen, M.Z. Mahmud and M.M. Rahman, "*Wideband Microstrip Yagi-Uda Array Antenna with High Gain and F/B Ratio for 5 GHz Wi-Fi Band Applications*," Int'l Conf. on Innovation in Engineering and Technology, Bangladesh, 27 - 29 Dec. 2018, pp. 1-6, doi: 10.1109/CIET.2018.8660877.
- [C22] R. Sen, A.K. Sarkar, A.K. Mandal and **L.C. Paul**, "*The Analysis of EM Absorption for Biological Tissue due to RF Radiation Measured Inside the Enclosed Metallic Chamber*," Int'l Conf. on Innovation in Engineering and Technology, Bangladesh, 27 - 29 Dec. 2018, pp. 1-5, doi: 10.1109/CIET.2018.8660926.
- [C23] **L.C. Paul**, A.K. Sarkar, M.A. Haque, P. Miah, P.M. Ghosh and M.R. Islam, "*Investigation of the Dependency of an Inset Feed Rectangular Patch Antenna Parameters With the Variation of Notch Width for WiMax Applications*," Second Int'l Conf. on Electronics, Communication and Aerospace Technology, India, 29 - 31 Mar. 2018, pp. 151-154, doi: 10.1109/I CECA.2018.8474908.
- [C24] **L.C. Paul**, M.A. Haque, S. Sarker, M.M. Rashid, M.A. Haque and T.K. Roy, "*Design and Performance Exploration of a DGS Metamaterial MPA by Etching Four Dual Isosceles Triangular Defects on the Ground Plane*," Int'l Conf. on Computer, Communication, Chemical, Material and Electronic Engineering, Bangladesh, 8-9 Feb. 2018, pp. 1-4, doi: 10.1109/I C4ME2.2018.8465670.
- [C25] **L.C. Paul**, M.S. Rana, M.R. Islam and M.S. Islam, "*Graphene based high gain and small size grounded coplanar waveguide feed patch antenna for millimeter wave applications*," IEEE Int'l Conf. on Telecommunications and Photonics, Bangladesh, 26-28 Dec. 2017, pp. 174-178, doi: 10.1109/ICTP.2017.8285949.
- [C26] **L.C. Paul** and M.M. Islam, "*Proposal of wide bandwidth and very miniaturized having dimension of  $\mu\text{m}$  range slotted patch THz microstrip antenna using PBG substrate and DGS*," 20th Int'l Conf. of Computer and Information Technology, Bangladesh, 22-24 Dec. 2017, pp. 1-6, doi: 10.1109/ICCITECHN.2017.8281766.
- [C27] **L.C. Paul** and M.S. Hossain, "*Proposal and characterisation of a CPW feed miniaturized implantable patch antenna for biomedical applications*," 20th Int'l Conf. of Computer and Information Technology, Bangladesh, 22-24 Dec. 2017, pp. 1-6, doi: 10.1109 /ICCITECH N.2 017.8281765.
- [C28] **L.C. Paul**, M.A. Haque, M.A. Haque, M.M. Rashid, M. F. Islam and M.M. Rahman, "*Design a slotted metamaterial microstrip patch antenna by creating three dual isosceles triangular slots on the patch and bandwidth enhancement*," 3rd Int'l Conf. on Electrical Information and Communication Technology, Bangladesh, 7-9 Dec. 2017, pp. 1-6, doi: 10.1109/EICT.2017.8275143.
- [C29] **L.C. Paul** and M.M. Alam, "*Millimeter-wave hexagonal grid microstrip array antenna for 5G communication*," 3rd Int'l Conf. on Electrical Information and Communication Technology, Bangladesh, 7-9 Dec. 2017, pp. 1-6, doi: 10.1109/EICT.2017.8275142.
- [C30] **L.C. Paul**, M.S. Akhter, M.A. Haque, M.R. Islam, M.F. Islam and M.M. Rahman, "*Design and analysis of four elements E, H and combined E-H shaped microstrip patch array antenna for*

- wireless applications*," 3rd Int'l Conf. on Electrical Information and Communication Technology, Bangladesh, 7-9 Dec. 2017, pp. 1-6, doi: 10.1109/EICT.2017.8275141.
- [C31] L.C. Paul, S. Nahar and T.K. Roy, "*Design and simulation of different shaped (S, E, C and combined S-E-C) multiband MPA array using advanced design system*," 4th Int'l Conf. on Advances in Electrical Engineering, Bangladesh, 28-30 Sept. 2017, pp. 84-89, doi: 10.1109/ICAEE.2017.8255332.
- [C32] M.M. Rashid, L.C. Paul, A. Bouazizi, R. Sen, B. Podder and A.K. Sarkar, "*Effect of human body on an 800 MHz inset fed rectangular microstrip patch antenna characteristics*," Int'l Conf. on Electrical, Computer and Communication Engineering, Bangladesh, 16-18 Feb. 2017, pp. 738-742, doi: 10.1109/ECACE.2017.7913000.
- [C33] T.K. Roy, L.C. Paul, M.F. Pervej, M.I. Sarkar and F.K. Tumpa, "*Nonlinear adaptive backstepping controller design for trajectory flight control of UAHs*," Int'l Conf. on Electrical, Computer and Communication Engineering, Bangladesh, 16-18 Feb. 2017, pp. 69-74, doi: 10.1109/ECACE.2017.7912881.
- [C34] T.K. Roy, L.C. Paul, M.F. Pervej, M.I. Sarkar and F.K. Tumpa, "*Robust adaptive backstepping controller design for PWM based DC-DC buck converter based on projection method*," Int'l Conf. on Electrical, Computer and Communication Engineering, Bangladesh, 16-18 Feb. 2017, pp. 63-68, doi: 10.1109/ECACE.2017.7912880.
- [C35] T.K. Roy, L.C. Paul, M.I. Sarkar, M.F. Pervej and F.K. Tumpa, "*Nonlinear adaptive backstepping controller design for grid currents regulation of a CSI based PV system with external disturbances*," Int'l Conf. on Electrical, Computer and Communication Engineering, Bangladesh, 16-18 Feb. 2017, pp. 641-646, doi: 10.1109/ECACE.2017.7912983.
- [C36] T.K. Roy, L.C. Paul, M.I. Sarkar, M.F. Pervej and F.K. Tumpa, "*Adaptive controller design for speed control of DC motors driven by a DC-DC buck converter*," Int'l Conf. on Electrical, Computer and Communication Engineering, Bangladesh, 16-18 Feb. 2017, pp. 100-105, doi: 10.1109/ECACE.2017.7912888.
- [C37] R. Sen, A.K. Sarkar, P.C. Sarker, L.C. Paul and M.M. Rashid, "*RF absorption in biological tissue at varying distances and angles and rapport to tissue impedance*," Int'l Conf. on Imaging, Vision & Pattern Recognition, Bangladesh, 13-14 Feb. 2017, pp. 1-5, doi: 10.1109/ICIVP R.2017.7890855.
- [C38] T.K. Roy, M.F. Pervej, F.K. Tumpa, L.C. Paul and M.I. Sarkar, "*Robust nonlinear adaptive backstepping controller design for unmanned autonomous vehicles*," Int'l Workshop on Computational Intelligence, Bangladesh, 12-13 Dec. 2016, pp. 1-6, doi: 10.1109/IWCI.2016.7860328.
- [C39] M.M. Rashid, A.K. Sarkar, L.C. Paul, A. Bouazizi, R. Sen and B. Podder, "*An investigation of SAR inside human heart for antenna directivity, surface current variations and effect on antenna frequency in presence of heart*," 2nd Int'l Conf. on Electrical, Computer & Telecommunication Engineering, Bangladesh, 8-10 Dec. 2016, pp. 1-4, doi: 10.1109/ICECTE.2016.7879606.

- [C40] T.K. Roy, M.F. Pervej, F.K. Tumpa and **L.C. Paul**, "*Nonlinear adaptive controller design for velocity control of a DC motor driven by a DC-DC buck converter using backstepping approach*," 2nd Int'l Conf. on Electrical, Computer & Telecommunication Engineering, Bangladesh, 8-10 Dec. 2016, pp. 1-4, doi: 10.1109/ICECTE.2016.7879598.
- [C41] **L.C. Paul**, M.U. Rashid, M. Mowla, M. Morshed and A.K. Sarkar, "*Performance analysis of cut feed rectangular microstrip patch antenna by varying feeder length and width*," 3rd Int'l Conf. on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences, India, 1-2 June 2016, pp. 1-4, doi: 10.1049/cp.2016.1550.
- [C42] **L.C. Paul**, M.U. Rashid, M. Mowla, M. Morshed and A.K. Sarkar, "*Performance enhancement of an inset feed rectangular microstrip patch antenna by adjusting feeding position for wireless applications*," 3rd Int'l Conf. on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences, Bangladesh, 1-2 June 2016, pp. 1-5, doi: 10.1049/cp.2016.1549.
- [C43] M.H. Prio, M.M. Rashid, **L.C. Paul** and A.K. Sarkar, "*Total efficiency comparison of different shaped microstrip patch antennas having Defected Ground Structure*," Int'l Conf. on Electrical & Electronic Engineering, Bangladesh, 4-6 Nov. 2015, pp. 265-268, doi: 10.1109/CEE E.2015.7428273.
- [C44] M.T. Sultana, N. Sarkar and **L.C. Paul**, "*Future of Electricity and smart power generation*", 1st Int'l Conf. on Electrical, Computer and Telecommunication Engineering, Bangladesh, 1-2 Dec. 2012, pp. 49-52, ISBN: 978-984-33-5879-0.
- [C45] M.M. Mowla, A.A. Suman and **L.C. Paul**, "*Practical Implementation of SS7 Signalling Link in Telecom Core Network*", 1st Int'l Conf. on Electrical, Computer and Telecommunication Engineering, Bangladesh, 1-2 Dec. 2012, pp. 209-212, ISBN: 978-984-33-5879-0.
- [C46] M.M. Mowla and **L.C. Paul**, "*Design, Simulation and Implementation of an Automatic Traffic Control using Microcontroller*", National Conf. on Electronics and ICT for National Development, Bangladesh Electronics Society, Atomic Energy Centre, Dhaka, Bangladesh, 3-4 Oct. 2012, pp. 177-181.

## Teaching Experiences

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### **Pabna University of Science and Technology**

*Faculty Member (Assistant Professor)*

Dept. of Electrical, Electronic and Communication Engineering

(Former name: Dept. of Electronic and Telecommunication Engineering)

**Sept. 8, 2020 - Present**

### **Pabna University of Science and Technology**

*Faculty Member (Assistant Professor)*

Dept. of Electronic and Telecommunication Engineering

**Sept. 1, 2015 - Sept. 7, 2020**

## **Pabna University of Science and Technology**

*Faculty Member (Lecturer)*

Dept. of Electronic and Telecommunication Engineering

**Sept. 1, 2013 – Aug. 31, 2015**

## **University of Information Technology & Sciences**

*Faculty Member (Lecturer)*

Department of Electronics and Communication Engineering

**Aug. 2012 - May 2013**

## **Administrative Experiences**

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### **Assistant Director**

**Oct. 1, 2019 – Present**

#### [Student Advisor Office](#)

Pabna University of Science and Technology, Pabna-6600, Bangladesh

Responsibility: Providing educational guidance for student life and future career by arranging seminar, workshop, motivational talk etc.

### **Additional Director**

**Sept. 3, 2018 – Dec. 31, 2018**

Institutional Quality Assurance Cell (IQAC) - PUST

#### [Higher Education Quality Enhancement Project \(HEQEP\)](#)

University Grants Commission of Bangladesh

Ministry of Education, Bangladesh

Responsibility: To ensure quality education by developing curriculum of outcome based education and continuous improvement with cooperation of all stakeholders.

### **Assistant Provost**

**Feb. 2015 - July 2018**

#### [Bangabandhu Sheikh Mujibur Rahman Hall](#)

Pabna University of Science and Technology, Pabna-6600, Bangladesh

Responsibility: To look after all resident students of the hall within the framework of university rules and to arrange different types of student activities including national days, sports and cultural programs.

## **Leadership and Voluntary Works**

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### **Counselor**

**Jan 2020 – Jan 2021**

#### [IEEE PUST Student Branch](#)

Pabna University of Science and Technology, Pabna-6600, Bangladesh

Responsibility: To lead the branch and act as a liaison with the IEEE Bangladesh section.

### **Proctor**

IEEE Xtreme 14.0 programming competition

**25 Oct. 2020**

Responsibility: To monitor the general flow of activities and ensure that none external person assists the student participants in solving the problems.

## Coach

2015

Drone\_PUST (a programming team)  
ACM ICPC Asia Dhaka Site Regional Contest  
Responsibility: Providing guidance and training.

## Class Representative

High School and University level

Responsibility: Act as a channel of communication between teachers and rest of the class.

## Workshop / Training

- IEEE SPS Winter School on Multimodal Signal Processing, 28 Nov. - 1 Dec. 2019.
- Workshop on Broadband Communication & Networking, 14 - 15 May 2010.
- National Workshop on Trends in Telecommunication Challenge & Prospects in Bangladesh, 15 May 2009.
- National Workshop on Oscilloscope Operation, Troubleshooting, Maintenance & Procurement, 5-7 Mar. 2009.

## Computer Proficiency

- CST, ADS, Microcontroller, C, MATLAB, LaTeX, Microsoft office.

## Personal Skill

- Critical thinking, Adaptability, Problem solving capacity, Hardworking, Time management, Leadership, Handling pressure, Strong work ethics, Collaboration.

## Professional Membership

- Member, IEEE, Membership No. 92906280, Bangladesh Section, R10 -Asia and Pacific.
- Member, IEEE Antennas and Propagation Society (AP-S)
- Member, IEEE Signal Processing Society (SPS)
- Member, IEEE Women in Engineering (WIE)
- Associate Member, Membership No. A -14134, The Institution of Engineers (IEB), Bangladesh
- Member, ETE association, Rajshahi University of Engineering & Technology (RUET)
- Life member, LM – 2007100475, Rajshahi Engineering Old Students Association (REOSA)

## Reviewer

1. Physical Communication, Elsevier, ISSN: 1874-4907, Impact factor: 1.522.
2. Int'l Journal of Antennas and Propagation, Hindawi, ISSN: 1687-5869, Impact factor: 1.174.

3. Microwave and Optical Technology Letters, Wiley, ISSN: 1098-2760, Impact factor: 0.933.
4. Int'l Journal of Electrical Power & Energy System, Elsevier, ISSN: 0142-0615, Impact factor: 3.588.
5. Heliyon, Elsevier, ISSN: 2405-8440.
6. Microwave Review, ISSN 14505835, Impact factor: 0.27.
7. Computer Communications, Elsevier, ISSN: 0140-3664, Impact factor: 2.816.
8. Int'l Conf. on Computer, Communication, Chemical, Material and Electronic Engineering, 2019, Bangladesh.
9. Int'l Conf. on Electrical, Computer & Telecommunication Engineering, 2019, Bangladesh.
10. 2nd Int'l Conf. on Cyber Security and Computer Science, 2020, Bangladesh.
11. 9th Int'l Conf. on Informatics, Electronics & Vision, 2020, Japan.
12. Int'l Conf. on Industrial Instrumentation & Control, 2021, India.
13. 10th Int'l Conf. on Informatics, Electronics & Vision, 2021, Japan.
14. Int'l Conf. on Science and Contemporary Technologies, 2021, Bangladesh
15. IEEE Madras Section Int'l Conf., 2021, India.