

Curriculum Vitae of Shahajan Miah

M.S. in Physics from the Shahjalal University of Science and Technology (SUST), Sylhet, Bangladesh

Email: miahjahan@bubt.edu.bd

Mobile No: +8801722592113



CAREER OBJECTIVE : I am an enthusiastic and committed educator seeking an administrative/faculty position within an innovative and progressive academic institution. As an educational professional, my objective is to cultivate inspiration and motivation among students, foster the development of critical thinking skills, and foster a deep appreciation for continuous learning throughout their lives. I aspire to utilize my expertise, creativity, and innovative teaching and research methods to empower students to achieve their maximum capabilities and constructively influence society. By actively keeping up with the most recent developments and scholarly investigations in my area of expertise, I endeavour to augment the educational encounter and guarantee scholastic distinction. My ultimate objective is to become an essential member of a prestigious academic community committed to moulding the next cohort of influential individuals and cultivating an environment that promotes intellectual curiosity and development.

ADMINISTRATIVE WORK

- Academic Coordinator, Department of EEE, BUBT [2016-2022]
- Member, BAETE Accreditation Committee for the EEE Department at BUBT [2018-2022]
- Member, SAR Committee of the Institutional Quality Assurance Cell (IQAC) in the EEE Department at BUBT [2017-2022]
- Moderator, BUBT Sports Club [2016-2023]
- Moderator, BUBT EEE CLUB [2016-2023]

EDUCATION

M. S. in Physics

- **Institute:** Shahjalal University of Science and Technology (SUST), Sylhet
- **Dissertation:** Study of the Internal Structure of Electronic Components RAM DDR-2 and Motherboard of Nokia- 3120 by using Neutron Radiography Technique. (A subbranch of nuclear and particle physics)
- **Supervisor:** Prof. Dr. M. Habibul Ahsan
- **CGPA:** 3.83 out of 4.00

B. Sc. in Physics

- **Institute:** Shahjalal University of Science and Technology (SUST), Sylhet
- **CGPA:** 3.70 out of 4.00

TEACHING EXPERIENCE

: Assistant Professor (November 2018 – October 2023)
Department of Electrical and Electronic Engineering
Bangladesh University of Business and Technology (BUBT), Dhaka, Bangladesh

Job Responsibilities: As An Assistant Professor, I conduct academic research, design and deliver lectures, and mentor students. I also develop course materials, evaluate student performance, and participate in departmental activities. Additionally, I contribute to curriculum development, publish scholarly work, and collaborate with colleagues on research and academic projects. Maintaining academic integrity and fostering an engaging learning environment are also key responsibilities.

Lecturer (February 2015 – October 2018)
Department of Electrical and Electronic Engineering
Bangladesh University of Business and Technology (BUBT), Dhaka, Bangladesh

Job Responsibilities: As a lecturer, my responsibilities include preparing and delivering lectures, developing curricula, and assessing student performance. I also provide academic guidance, supervise research, and conduct independent studies. I publish findings, contribute to institutional goals, and participate in committees. I engage in professional development, maintain records, and organize academic events, fostering an enriching learning environment for students and advancing academic excellence.

TEACHING AREAS :

- Physics-I (Thermodynamics, Materials, Waves and Oscillations, Optics)
- Physics- II (Electricity and Magnetism, Modern Physics and Quantum Mechanics)
- Electronic Properties of Materials

COMPUTER SKILLS : Operating System: Windows, Linux
Application Software: Microsoft Word, Microsoft Excel, Microsoft Power Point
Programming Language: Python

PUBLICATIONS : **Journal Articles=07**

• **Journal Articles**

1. Shahajan Miah, Md. Hafijur Rahaman, Sudipta Saha, Md. Abu Taher Khan, Md. Aminul Islam, Md. Nurul Islam, Md. Khurshed Alam and M. Habibul Ahsan, “Study of the Internal Structure of Electronic Components RAM DDR-2 and Motherboard of Nokia- 3120 by Using Neutron Radiography Technique”, International Journal of Modern Engineering Research, (www.ijmer.com), Vol. 3, Issue. 6, Nov – Dec. 2013, pp-3429-3432, ISSN: 2249-6645.

2. Md. Helal Miah, Shahajan Miah “The Investigation of the Effects of Blackberry Dye as a Sensitizer in TiO₂ Nano Particle Based Dye Sensitized Solar Cell”, Asian Journal of Applied Sciences (ISSN: 2321 – 0893), Volume 03 – Issue 04, August 2015.

3. Shahajan Miah, Md. Helal Miah, Md. Sanwar Hossain and M. H. Ahsan, “Study of the Homogeneity of Glass Fiber-Reinforced Polymer Composite by Using Neutron Radiography Technique”, American Journal of Construction and Building Materials, 2018; 2(2): 22-28, <http://www.sciencepublishinggroup.com/j/ajcbm>, Doi: 10.11648/j.ajcbm.20180202.11.

4. Shahajan Miah, G.M. Jahedul Islam, Sajib Kanti Das, Shahidul Islam, Mirajul Islam and Kazi Kamrul Islam, Internet of Things (IoT) based automatic electrical energy meter billing system, IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834,p- ISSN: 2278-8735.Volume 14, Issue 4, Ser. I (Jul.-Aug. 2019), PP 39-50

5. Shahajan Miah, S. M. Rakib Raihan, Md. Mahmudul Hasan Sagor, Md. Mahmud Hasan, Debasish Talukdar, Shahnewas Sajib, Md. Rakibul Alam Naim, Ummay Anisa, and Ummay Suaiba, “Rooftop Garden and Lighting Automation by the Internet of Things (IoT)”, European Journal of Engineering and Technology Research, Vol 7, Issue 1, January 2022, pp-37-43, DOI: <http://dx.doi.org/10.24018/ejers.2022.7.1.2700>

6. Harish Kumar, Yassine Aoudni, Geovanny Genaro Reivan Ortiz, Latika Jindal, **Shahajan Miah** and Rohit Tripathi, “Light Weighted CNN Model to Detect DDoS Attack over Distributed Scenario”, Hindawi-Security and Communication Networks, Volume 2022, Article ID 7585457, 10 pages. <https://doi.org/10.1155/2022/7585457>

7. Shahajan Miah, Md. Mahmudul Hasan Sagor and Mahib Tanvir, “Analysis of the structural faults of the burnt clay bricks and fire bricks building substances via nuclear radiology”, BUBT Journal, Volume XII, 2021, ISSN: 2072-7542, Page: 140-158.

TRAINING AND WORKSHOPS

1. 4th Intensive Training Programs on Applied Research Methodology (ITPARM-4).
2. Training on the Outcome-based education (OBE) system at BUBT & UGC

EXTRA & CO-
CURRICULAR
ACTIVITIES

1. Moderator, BUBT EEE CLUB

Accomplishment

(a) Under my supervision the members of BUBT EEE CLUB became Champions & Runners Up at Robotics Competition in 2016 & 2018 respectively at IIT, Kanpur, India.

(b) Also, the students of the EEE Department arranged picnics, rag day, farewell, etc under my supervision.

2. Executive Advisor, BUBT Sports Club

Accomplishment

(a) Under my supervision the BUBT Sports Club became Champion 3 times in cricket & 2 times in football.

3. Voluntary Work

Accomplishment

(a) Working as a volunteer at National Conference on Advance in Physics, Organized By: Dept. of Physics, SUST-2010 & International Conference on Advance in Physics, Organized By: Dept. of Physics, SUST-2012.

(b) Member, Executive Committee and Chair, Excursions, Game Competitions and Fun Events Subcommittee, ICPC Asia Dhaka Regional Contest 2021 (held on 2022), Organized by: BUBT.

REFERENCES

1. Prof. Dr. Md. Shah Alam

Head, Dept. of Physics, SUST, Sylhet, Bangladesh

Email: shahalam032003@yahoo.com

Mobile: +8801718440675

2. Dr. Abdul Hannan

Professor, Dept. of Physics, SUST, Sylhet, Bangladesh

Email: ahannan-phy@sust.edu, ahannan.phy@gmail.com

Mobile: +8801712979269

3. Dr. Mohammed Sujaul Haque Chowdhury

Professor, Dept. of Physics, SUST, Sylhet, Bangladesh

Email: s.chowdhury-phy@sust.edu, schowdhuryphy@yahoo.com

Mobile: +8801711392244
