

Tahmid Hassan Talukdar

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- RESEARCH INTERESTS** Photonics, Optoelectronics Devices, GPGPU, SIMT, Semiconductor Physics, Lasers, Biomedical Engineering, Machine Learning, Control Systems, Cyber Security
- EDUCATION** Clemson University, South Carolina, US 2017 – Present
MS in Electrical Engineering Advisor: Judson Ryckman
- Shahjalal University of Science and Technology, Bangladesh 2016
B.Sc (Eng) in Electrical and Electronic Engineering
GPA: 3.41/4.0. Ranked 5th.
- PROFESSIONAL EXPERIENCE** Lecturer Sylhet Engineering College, Sylhet, Bangladesh. 2017 – Present
Language Arts Teacher Financial Training College, Bangladesh. 2017 – Present
CTO Right Track International College, Bangladesh. 2017 – Present
- TECHNICAL SKILLS** Languages: Assembly, C/C++, Python, Java, C#, HTML-CSS, CUDA (Beginner), \LaTeX
Programs: MATLAB, Atmel Studio, Arduino, Processing, PC1D, COMSOL, Adobe Illustrator, OrCAD, AutoCad®, Pspice, Simulink, PowerWorld, ETAP, FL Studio.
OS: Windows, Kali Linux, Ubuntu, Linux Mint
- PUBLICATIONS** CONFERENCE PROCEEDINGS
- T.H. Talukdar, S. H. Parvez, “Small Scale Data Transmission via Light,” in International Conference on Engineering, Research, Innovation and Education, Sylhet, Bangladesh, Jan 2017.
- T.H. Talukdar, “32.325% Efficiency PIN Junction Gallium Arsenide Solar Cell with Reduced Thickness and Textured Front Surface,” in International Conference on Engineering, Research, Innovation and Education, Sylhet, Bangladesh, Jan 2017.
- T.H. Talukdar, R. Siddique, and M. Hasan, “Study of Single Junction Solar Cell Characteristics Varying Different Parameters,” in The 2nd International Conference on Electrical Engineering and Information & Communication Technology, Dhaka, Bangladesh, May 2015.
- T.H. Talukdar, R. Siddique, and M. Hasan, “Study of Single Junction Si Solar Cells for Maximum Efficiency ,” in Student Conference on Informatics, Electronics & Vision, Dhaka University, Bangladesh, May 2016. (Published in SCIEV, but not sent to IEEE Xplore)
- TRAINING** □ Industrial Technology on Electrical Engineering & Instrumentation, Training Institute for Chemical Industries (TICI), Narsingdi Apr 2015 – May 2015
Duration : 1 Month, Grade : A
- Information Technology Engineers Examination, IT Passport Exam, Bangladesh Computer Council, Dhaka. Oct 2016
Merit Position: 2nd
- The Technology Workshop: Empowering Students With Telecommunication Technology, Shahjalal University of Science and Technology Jun 2012
- PROJECTS** □ Implementation of submarine robot for underwater navigation and communication
□ Low cost data transmission system via LED lighting with over 50 Bps speed
□ Remote controlled robot car (Pioneer) using Atmel AVR
□ Boolean equation generator from arbitrary logic input using Quine–McCluskey algorithm (using C programming language)
□ Construction of a 200VA power transformer
□ Designing a fire security system in a market floor on architectural drawing.
□ Construction of a three-phase inductive load

- Remote home appliance control using DTMF Technology in cellphones
- Designing of electrical service system of a student hall

PROJECT	Inter University Tech Fiesta 2012, KUET	2012
CONTESTS	Muspana Microcontroller Based Electronic Project Competition, RUET	2012
	Departmental Basic Project Competition, SUST	2012

REFERENCES

- Dr. M. Jahirul Islam
 Professor
 Department of Computer Science and Engineering
 Shahjalal University of Science and Technology
 Kumargaon, Sylhet 3114, Bangladesh
 jahir-cse@sust.edu
- Mehedhi Hasan
 Materials Science, Engineering, and Commercialization
 Texas State University
 San Marcos, Texas 78666, USA
 mehedhi.sust@gmail.com
- Tuhin Dev
 Assistant Professor
 Department of Electrical and Electronic Engineering
 Shahjalal University of Science and Technology
 Kumargaon, Sylhet 3114, Bangladesh
 devtuhin.eee@gmail.com