

Shahadat Hussain Parvez

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RESEARCH INTERESTS

Embedded Systems, Power Electronics, Electronics, Machine Learning, Big Data Analysis, Internet of Things, Cyber Security, Control Systems.

EDUCATION

Shahajalal University of Science and Technology, Sylhet, Bangladesh

- Bachelor of Science (Engg.) in Electrical and Electronic Engineering Jan 2011 – Apr 2016
 - Thesis: Analysis and Implementation of Ćuk Topology Based Improved Power Quality Single Phase AC to DC Converter
 - Adviser: Iftekhairul Amin
 - Research areas: Embedded systems, Power Electronics,
 - Cumulative GPA: 3.50 / 4.00 [3rd in the batch]

A level

- Physics, Chemistry, Mathematics Jul 2008 – Jun 2010
 - Result : 3 A's

O level

- Physics, Chemistry, Mathematics B, Pure Mathematics, Economics, Accounting, English, Bengali. Jan 2008
 - Result : 7 A's & 1C

TECHNICAL SKILLS

- Languages: C, Python, Assembly, PHP, HTML, CSS, MySQL, L^AT_EX
- Embedded platforms: AVR, Arduino, PIC
- Simulation and Programming : MATLAB, Simulink, PSpice, OrCAD, Proteus, Eagle, Psim, IPSA, Neplan, Power world, Fritzing, COMSOL, AutoCad, Autodesk 123d, Processing,
- Data Analysis : R, Python, Azure ML

PUBLICATIONS

JOURNALS

- [1] S. H. Parvez, J. K. Saha, M. J. Hossain, H. Hussain, Md. M. A. Ghuri, T. A. Chowdhury, Md. M. Rahman, N. Z. Shuchi, A. Islam, M. Hasan and B. Paul, "A Novel Design and Implementation of Electronic Weather Station and Weather Data Transmission System Using GSM Network", *WSEAS Transactions on Circuits and Systems*, vol. 15, no. 4, pp. 21–34, 2016

CONFERENCE PROCEEDINGS

- [1] T.H. Talukdar and S. H. Parvez, "Small Scale Data Transmission via Light", in *International Conference on Engineering, Research, Innovation and Education*, Sylhet, Bangladesh, Jan 2017.
- [2] S.H. Parvez, Farhan A. Khandaker and Ifte Khairul Amin, "Analysis and Implementation of Ćuk Topology Based Improved Power Quality Single Phase AC to DC Converter", in *International Conference on Engineering, Research, Innovation and Education*, Sylhet, Bangladesh, Jan 2017.
- [3] S. H. Parvez, J. K. Saha, M. J. Hossain, H. Hussain, Md. M. A. Ghuri, T. A. Chowdhury, Md. M. Rahman, N. Z. Shuchi, A. Islam, M. Hasan and B. Paul, "Design and Implementation of a Effective, Portable and Scalable Electronic Weather Station", in *14th WSEAS Int. Conf. on Instrumentation, Measurement, Circuits and Systems (IMCAS '15)*, University of Salerno, Salerno, Italy, Jun 2015.

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 Posiiton: 3rd
- The Technology Workshop: Empowering Students With Telecommunication Technology, Shahjalal University of Science and Technology Jun 2012
- Participated in numerous Project competitions and showcasing.

- PROJECTS**
- Analysis and Implementation of Ćuk Topology Based Improved Power Quality Single Phase AC to DC Converter [Thesis topic]
 - Implementation of portable electronic mini weather station
 - Micro-controller based fire alarm system with extinguisher
 - Implementation of submarine robot for underwater navigation and communication
 - Low cost data transmission system via LED lighting with over 50 Bps speed
 - Temperature logger for Biomedical Use
 - Remote control Robotic Car
 - Cell phone controlled mini car
 - Anemometer
 - Implementing Voltmeter, Ammeter and Wattmeter using microcontroller
 - Microcontroller based clock with stopwatch and timer.
 - Microcontroller based rotating POV display
 - Single Phase 150 VA transformer

- LANGUAGES**
- Bengali : Native language.
 - English: Fluent (speaking, reading, writing).
 - Hindi: Can Understand and Speak

INTERESTS Digital photography, Cricket, Blog

**PERSONAL
DETAILS**

Name : Shahadat Hussain Parvez
Father's name : Hedayet Hussain
Mother's name : Parvin Akter
Date of birth : 9th February 1991
Sex : Male
Religion : Islam
Nationality : Bangladeshi
Blood Group : B+

- REFERENCES**
- **Md Nazmus Sahadat**
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