

Md. SADDAM HOSSAIN RAZO

PERSONAL DATA

ADDRESS: CUET Residential Area, CUET, Chittagong-4349
PHONE: +88 01737 520527
WEB: sites.google.com/cuet.ac.bd/shrazo/
EMAIL: shrazo@cuet.ac.bd, saddam.hossain.raju.024@gmail.com

WORK EXPERIENCE

<i>Present</i>	Lecturer at CHITTAGONG UNIVERSITY OF ENGINEERING AND TECHNOLOGY , Chittagong
APRIL 09, 2017	<i>Department of Electrical and Electronic Engineering</i> VLSI, Semiconductor Physics and Devices, Electrical Machines, Power Transmission and Distribution
<i>April 08, 2017</i>	Lecturer at UNIVERSITY OF ASIA PACIFIC , Dhaka
OCT 23, 2016	<i>Department of Electrical and Electronic Engineering</i> Teach Alternating Current(AC) circuits, Electronic circuits and demonstrate corresponding laboratory experiments
DEC 31, 2016	Lecturer at DAFFODIL INTERNATIONAL UNIVERSITY , Dhaka
SEP 01, 2016	<i>Department of Electronic and Telecommunication Engineering</i> Taught Direct Current(DC) circuits, Numerical Analysis, Control System Engineering, Digital Logic Design and demonstrated corresponding laboratory experiments

EDUCATION

JUNE 2017 - Present	Masters of Science in ELECTRICAL AND ELECTRONIC ENGINEERING Chittagong University of Engineering and Technology, Dhaka
MARCH 2016	Bachelor of Science in ELECTRICAL AND ELECTRONIC ENGINEERING Bangladesh University of Engineering and Technology, Dhaka Major: Electronics Minor: Power Engineering Thesis: "Electrostatic and Transport characteristics of Hybrid Si/TMD(MoS ₂) Double Channel Trigate(TG) FinFET" Advisor: Prof. Dr. QUAZI DEEN MOHD KHOSRU GPA: 3.88/4.00 CLASS POSITION: 15 th out of 204 Detailed List of Exams LAST TWO YEARS GPA: 3.89/4.00
JULY 2010	Higher Secondary School Certificate(H.S.C.) Notre Dame College, Dhaka GPA: 5.00/5.00 Detailed List of Exams
JUNE 2008	Secondary School Certificate(S.S.C.) Nurul Amin Khan High School, Mymensingh GPA: 5.00/5.00 Detailed List of Exams

RESEARCH INTERESTS

Nano Device Modeling & Simulation | Transport Phenomena in nanostructure | Solid State Device | VLSI Circuit Design | Analog Circuit Design

UNDERGRADUATE COURSES

VLSI II | Semiconductor Device Theory | Processing and Fabrication Technology | Compound Semiconductor and Heterojunction Devices | Analog Integrated Circuits | Solid State Devices | Digital Electronics | Power Electronics | Electronics I & II | Power System Reliability | Digital Signal Processing

ACADEMIC HONORS AND AWARDS

- DEAN'S LIST AWARD (Level 1 – Level 3)
- UNIVERSITY MERIT SCHOLARSHIP
- BUET ADMISSION TEST (5th out of 1000 students)
- DHAKA EDUCATION BOARD SCHOLARSHIP for Higher Secondary Certificate Examination
- DHAKA EDUCATION BOARD SCHOLARSHIP for Secondary School Certificate Examination

PROJECTS

- Design of a general purpose 4-bit shift register cell capable of expansion to form an n-bit register in Cadence Virtuoso
- Heart Rate monitoring circuit using IR sensor
- Algorithm for Heart Rate(HR) Monitoring During Physical Exercise Using Wrist-Type Photoplethysmographic (PPG) Signals
IEEE SP cup 2015, Supervisor : [Dr. Md. Anowarul Fattah](#)
- Hand Gesture Controlled Robot
- Heart Rate Estimation both from Electrocardiogram (ECG) data
- Automated report delivery system
- Voice recognition based password system
- Audio amplifier

COMPUTER SKILLS

Device simulators:	COMSOL, NEXTNANO
Custom IC Design:	CADENCE VIRTUOSO & ENCOUNTER, QUARTUS
Programming Language:	C/C++, Python, 8086 Assembly, Verilog
Numerical Analysis:	MATLAB, Octave
Electrical Circuit Simulation:	OrCAD, Proteus
Microcontroller Programming:	AVR STUDIO, 8051 series, 8052 series
Graphics:	INKSCAPE, GnuPlot
Document Preparation:	L ^A T _E X, MS Office, LibreOffice
Scripting and Markup Language:	HTML, CSS, PHP, JAVASCRIPT
Database:	mysql
Operating System:	LINUX(UBUNTU), Microsoft Windows

WORKSHOPS & CONFERENCES

- Analog/mixed-signal/RF design and Verification Methodologies
Instructor: [Dr. Henry Chang](#), PhD
- Technical talk by [Darence Tan](#), South Asia Regional Sales Manager of Synopsys Singapore
- Technical talk by [Dr. Koushik roy](#), Edward G. Tiedemann Jr. Distinguished Professor of Electrical and Computer Engineering, Purdue University

REFERENCES

1. **Dr. Quazi Deen Mohd Khosru**
Professor,
Department of Electrical and Electronic Engineering
Bangladesh University of Engineering and Technology (BUET)
Dhaka-1000, Bangladesh
Email : qdmkhosru@eee.buet.ac.bd
2. **Dr. A.B.M. Harun-ur Rashid**
Professor,
Department of Electrical and Electronic Engineering
Bangladesh University of Engineering and Technology (BUET)
Dhaka-1000, Bangladesh
Tel: 880 2 9665650-80/ Ext. 6166
Email: abmhrashid@eee.buet.ac.bd, harun148@yahoo.com

I hereby certify that this curriculum vitae is true and accurate

Md. Saddam Hossain
August 31, 2018