



MUSTAQ MAHMUD TAFHIM

ELECTRICAL ENGINEER

CONTACT

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OBJECTIVE

Want to be a top Electrical Engineer who will dominate the semiconductor design race and create next-generation chipset.

SKILLS

- Cadence Virtuoso
- NI Multisim
- Proteus
- MatLab
- C++
- AutoCAD
- Microsoft Office

EDUCATION

BACHELOR OF SCIENCE IN ELECTRICAL AND ELECTRONICS ENGINEERING • 2023-2024 FALL • AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH

Here I found that I am interested in the electronics sector and I build myself there.

HIGHER SECONDARY CERTIFICATE • 2019 • CAMBRIAN COLLAGE

I passed from the science division and Biology was the 3rd subject.

SECONDARY SCHOOL CERTIFICATE • 2017 • BORHANUDDIN GOVT. SECONDARY SCHOOL

I passed from the science division and Biology was the 3rd subject. I was in the scout team.

RESEARCH AND PROJECT

PHASE LOCK LOOP • AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH • NOVEMBER 2023 – PRESENT

Working on PLL (phase lock loop) design using MOSFET. It operates based on the phase difference between two signals.

A 64.48 GV/S, 5.095 UW 4-BIT TRANSMISSION GATE BASED IRREGULAR SEQUENCE COUNTER IN 45NM PROCESS NODE • AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH • DECEMBER 2023 – PRESENT

Working on synchronous irregular counter design using JK Flip Flop. JK Flip Flop designed by MOSFET

8:1 MULTIPLEXER • AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH • RUNNING

Working on 8:1 MUX design using MOSFET.

MULTILEVEL INVERTER • AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH • JANUARY 2023 – OCTOBER 2023

It converts DC voltage to AC voltage. The project builds for capstone project. Matlab used for simulation.

WORKSHOP

BASIC SAFETY TRAINING • SAMSUNG C&T SAFETY ACADEMY • OCTOBER 2022

Here took the basic safety training.

REFERENCE

Richard Victor Bisawas

Lecturer

American International University-Bangladesh

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