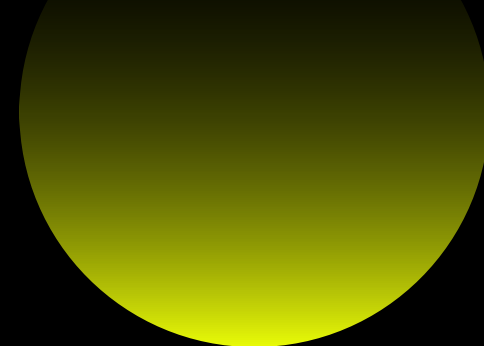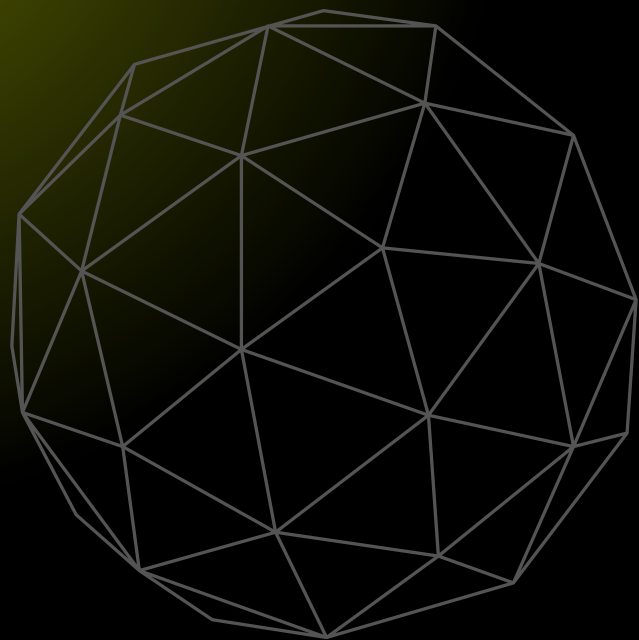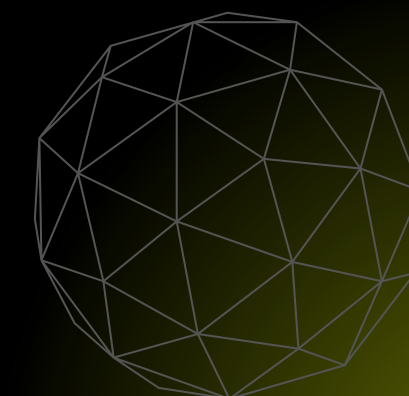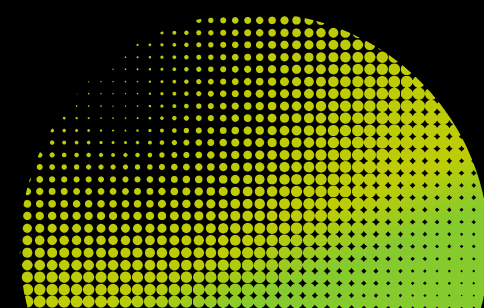# Shabique Islam

Undergrad Student

About Me

Hello! I'm an Electrical & Electronic Engineering student passionate about embedded systems, robotics, and IoT. I love building real-world tech projects and constantly learning new skills.

Education

Khulna University of Engineering and Technology,(2022-Present)
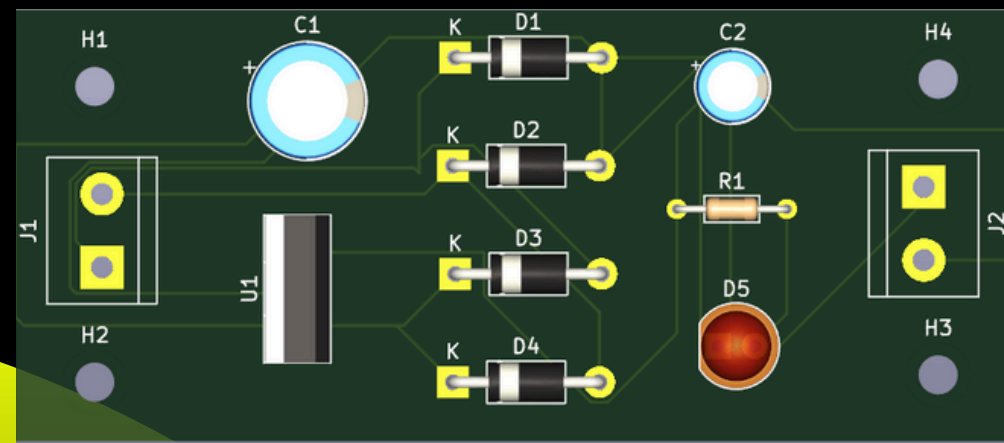
Electrical and Electronic Engineering
Website:- kuet.ac.bd

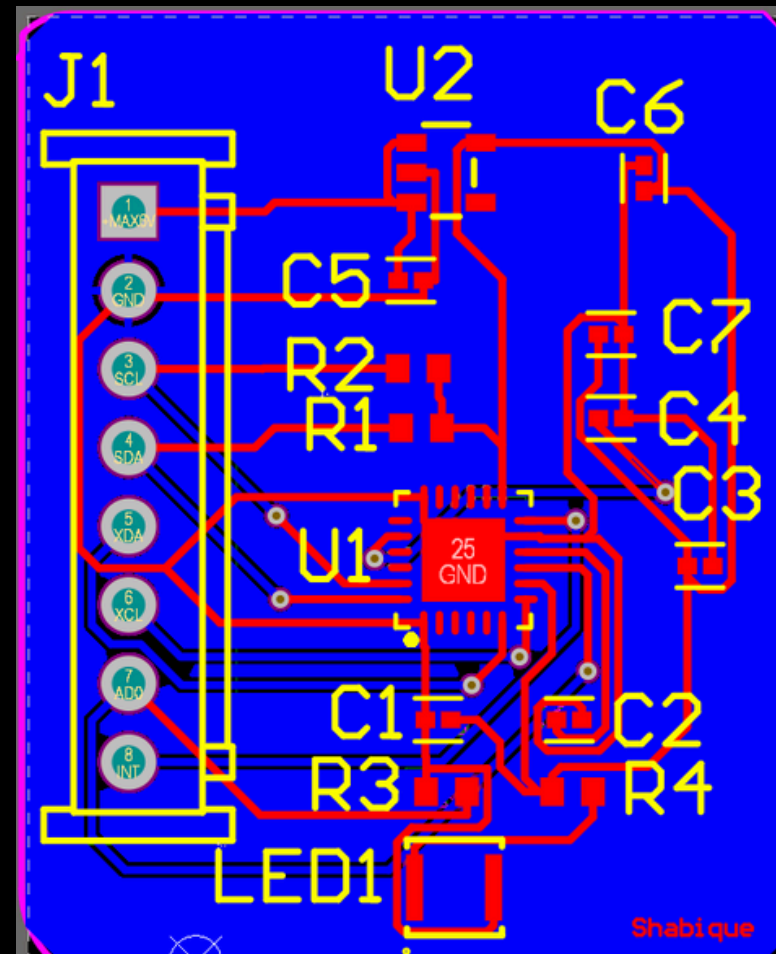**Mohammadpur Model College,(2020-2022)**

Science
Website:- mmsc.edu.bd

PCB Design

• • •

5V Power Supply Board

Compact 3D PCB layout designed in KiCad, showing a bridge rectifier with filtering capacitors, LED indicator, and input/output terminals.

MPU 6050 Sensor Board

This is a 3.3V-powered MPU-6050 sensor board with I2C interface, onboard voltage regulator, filtering capacitors, and LED indicator.
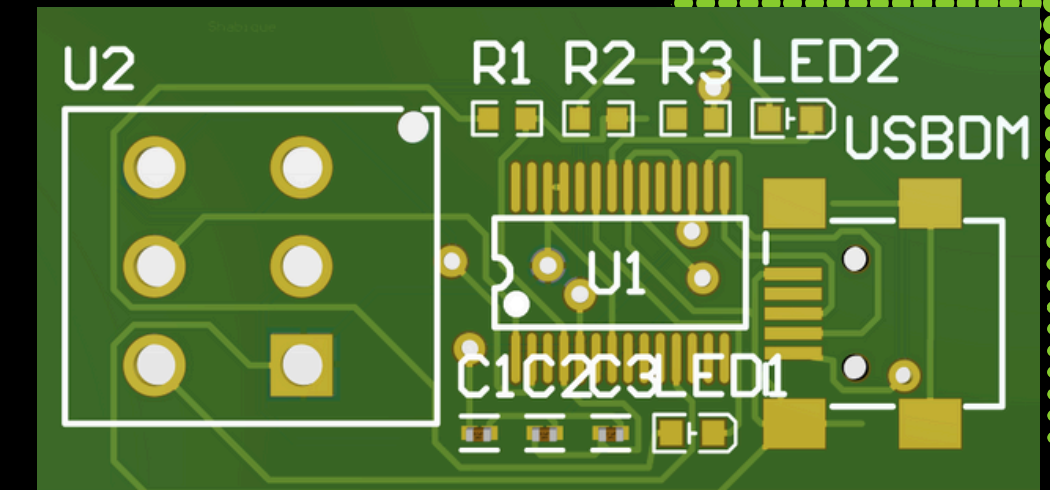
Breakout Board

This is a USB-to-Serial Breakout Board using the FT232RL chip, providing 3.3V and 5V outputs, with TX/RX indicator LEDs and ESD-protected USB connection via a mini USB port.

PCB Design

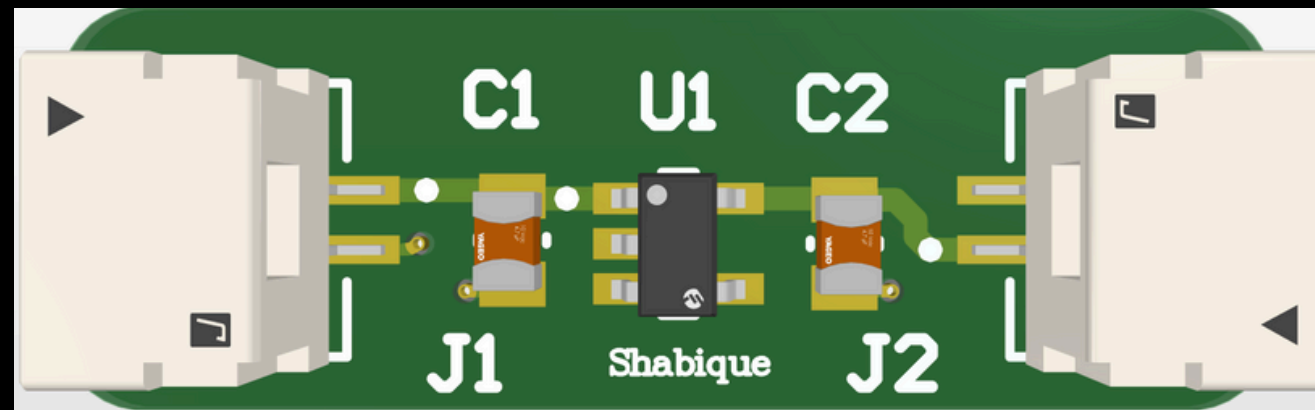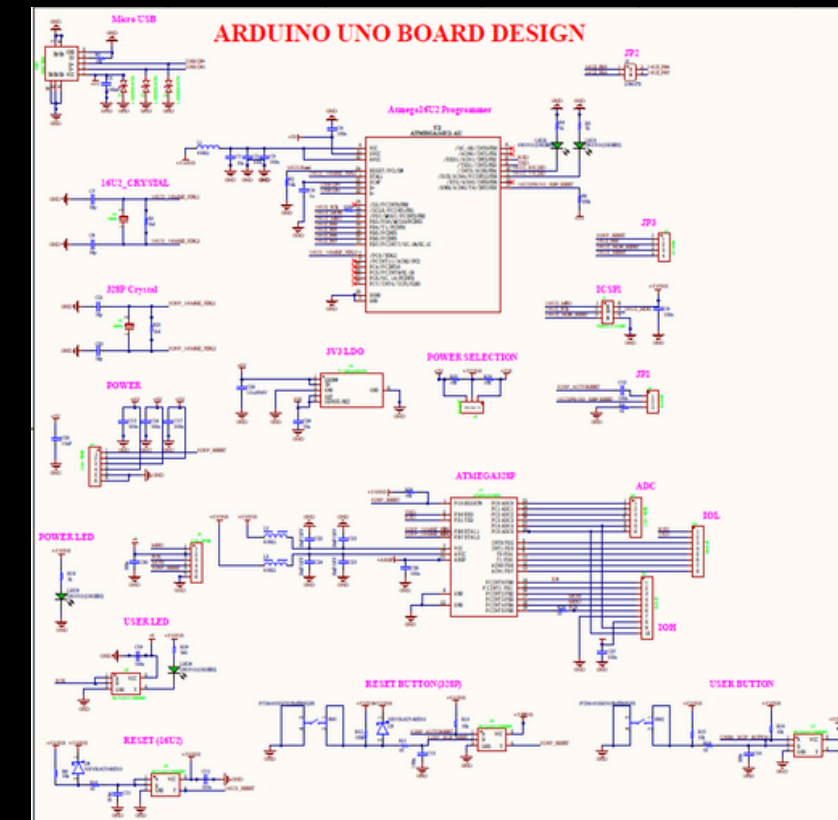## Voltage Regulator

+5V to +3.3V regulator circuit using the MIC5317-3.3YM5-TR LDO, providing a stable 3.3V output with input/output filtering, and 2-pin connectors for easy integration.

Arduino Uno

This is the Arduino UNO R3 schematic with ATmega328P, ATmega16U2 USB-to-serial converter, 16MHz crystals, 3.3V/5V power regulation, user LEDs, buttons, and ICSP headers.

Simulation Project

TinkerCad Project

[Github Repo](#)

It contains a collection of beginner-friendly electronics simulations created using Tinkercad. Perfect for those starting out with basic circuits, Arduino projects, and understanding electronics fundamentals through virtual experiments.

Object Detector

[Github Repo](#)

A smart alarm system that uses object detection to identify motion or intrusions and trigger alerts

Electronics Basics

by greatscott

[Github Repo](#)

Beginner-friendly playlist by GreatScott! covering electronics fundamentals, tools, and components with clear, hands-on demos.

Programming Project

Python Beginner Projects Github Repo

A collection of simple Python scripts for beginners to learn basic programming concepts through fun projects and games...

Github Repo ## Coffee Machine Project

A console-based coffee machine simulation in Python where users can order espresso, latte, or cappuccino. The program handles resource checks, coin payments, and updates ingredients and money after each successful transaction.

Mobile Banking System Github Repo

Console-based Mobile Banking System in C that simulates secure banking operations like sending money, adding funds, checking balance, mobile recharge, and cash out with 4-digit PIN verification. Great for practicing menu-driven, secure C programs.

Contact Me

(phone) +880153-323-5921

(email) shabique7@gmail.com