



# ANISA NURUL FITROH

+628979380504 | anisanurulfitroh1024@gmail.com

I am a final-year Electronics Engineering student at Politeknik Negeri Semarang. I have hands-on experience in circuit design, microcontroller programming, and basic system integration. Proficient in tools like Proteus, EasyEDA, MATLAB, Node-RED, and Arduino IDE. I enjoy working in teams, solving problems, and continuously improving my skills through practical projects and internships.

## Education Level

### Politeknik Negeri Semarang - Semarang

Aug 2022 - Present

*Diploma III in Electronics Engineering,*

- Fifth semester student, GPA: 4.00/4.00
- Recipient of Kitano Foundation Education Scholarship 2023

## Project Experience

### Group project to design and build an IoT-based water pipe leak detection device

• Feb 2024 – May 2024

This project aims to design and build a water pipe leak detection device connected to the Internet of Things (IoT).

- Designed and built a water pipe leak detection device connected to the Internet of Things (IoT).
- Participated in the prototyping process, including component selection and electronic circuit assembly.
- Contributed to programming the IoT-based water pipe leak detection system.

### Group project to create an IoT-based temperature monitoring device

Nov 2023 - Dec 2023

The project is designed to monitor the temperature and notify the user via IoT, LCD screen, and audio alerts.

- Developed a temperature monitoring device with notifications via IoT, LCD screen, and audio alerts.
- Participated in planning sessions to identify needs and specifications.
- Assisted in developing programming code to manage and control temperature data retrieval from sensors.

### Group project to make a mini siren device

Jun 2023 - Jul 2023

This project aims to design and make a mini siren that is portable and easy to use. It is designed to provide a clear and audible warning or signal in emergency situations.

- Designed and prototyped a portable mini siren for clear and audible warnings in emergencies.
- Conducted mathematical analysis and schematic simulation of the circuit using Proteus software to test performance under various conditions.

## Organizational and Volunteer Experience

### Polytechnic English Conversation Club - Politeknik Negeri Semarang

May 2023 – April 2024

*General Treasurer*

- Managed financial duties and coordinated financial management for both internal and external sectors.
- Handled cash funds and prepared monthly financial reports.

### Volunteer for FKBSE 2023 - Politeknik Negeri Semarang

Sep 2023

*Group Companion*

- Learned event details, gathered participant information, and prepared necessary materials.
- Coordinated with the team, welcomed participants, oriented them to the agenda, and facilitated communication.

### Volunteer for PESIMA 2023 - Politeknik Negeri Semarang

Aug 2023

*Group Companion*

- Prepared materials and tools to assist the group.
- Welcomed and directed participants to the event location, helping them complete assigned tasks or activities.

## Skills

- **Hard Skills:** Electronic circuit schematics and PCB design (Proteus and EasyEDA), Basic electronic programming (Matlab, Arduino IDE, PLC, and LabView), **Microsoft Office** (Word, Excel, and Power Point)
- **Soft Skills:** Teamwork, communication, commitment, and responsible
- **Language:** Indonesian (Native), English (Conversation).