



# VIBIN P V

## ELECTRICAL & ELECTRONICS ENGINEERING STUDENT

DOB : 05/06/2002

### CONTACT

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<https://vibin0506.github.io/Portfolio/>

### SKILLS

- Fixing and Analysis of Power Electronics Circuits
- PCB Designing
- Soldering
- Electrical Wiring
- 3D Printing
- Fusion 360
- Electronic Devices Servicing
- Prototyping
- Matlab Simulation
- Electrical or Electronic Device Assembly
- Arduino Interfacing
- PCB Etching

### SOFT SKILLS

- Determination
- Presentation
- Adaptability

### PROFILE

Passionate Electrical & Electronics Engineering student skilled in circuit design and project management. Committed to continuous learning and delivering innovative solutions, seeking campus placement opportunities to contribute effectively.

### EDUCATION

- B.TECH in, **Electrical & Electronics Engineering**, NSS College Of Engineering Palakkad, **CGPA: 7.1**  
APJ Abdul Kalam Technological University  
2021-2025.
- B.TECH ,**Minors Degree in Mechanical Engineering**  
2021-2025.
- Higher Secondary Education**, GHSS South Ezhippuram, Aluva, **Score: 95.5%** (DHSE)  
2019-2021.
- High School Education, SSLC** , Jyothi Public School, Nalammile, Aluva, **Score: 84%** (CBSE)  
2018-2019.

### PROJECTS & EXPERIENCE

- ONE MONTH INTERNSHIP AT, MEDGYOR PVT.LTD**  
3D printing and prototyping, gaining hands-on experience in advanced manufacturing techniques.  
*NIT Calicut , Kerala, May – 2023*
- TECHNICAL COORDINATOR OF IEEE SB NSSCE**  
Successfully facilitated collaboration and innovation within the team.  
*2022-2025 June, NSS College Of Engineering, Palakkad*
- E-FENCE PROJECT ,TECHNICAL COORDINATOR**  
E-FENCE was a humanitarian Project under IEEE SB NSSCE, led efforts to protect farmers and fields from wildlife.  
*Under IEEE SB NSSCE, March – 2023*
- ECOLUME , EMERGENCY FLASH LIGHT PROJECT**  
Developed EcoLume, a five watts emergency flashlight product made from recycled materials, Sold 25 units with excellent reviews.

. Presented at : - **TECHBURST 2024** organised by IEEE & M SIGMA , Kochi  
-**NATIONAL TECHNOLOGY 2024 DAY** organised by

KSCSTE & DUK , Technopark , Trivandrum

. Exhibited at : - **KSCSTE TECHFEST 2024** organised by IIT Palakkad & NSSCE

## HOBBIES

- Circuit Debugging
- Cycling
- Repairing Electronics Devices
- Creating & Testing Hobby Circuits
- Developing New gadgets
- Photography

## REFERENCE

- Prof.Dr.Vinod V  
Mechanical Dept,  
NSS College Of Engineering  
[vinodnss@gmail.com](mailto:vinodnss@gmail.com)
- Mr.Dinoj Joseph  
CEO , Medgyor Pvt Ltd  
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- Prof.Vivek P V  
Electrical and Electronics Dept,  
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- Retd Prof. Dr.Pradip.C  
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- **MOBILE PHONE DETECTOR PROJECT**

Project using LM358, mobile phone detection by utilizing radio frequency detection to find the presence of mobile phone.

*Analog Electronics Course Project March – 2023*

- **DIGITAL OBJECT COUNTER PROJECT**

Project using 7-segment display, CD4026 IC, and IR sensor. Achieved accurate object counter.

*Digital Electronics Course Project June – 2023*

- **ARDUINO BASED CAPACITANCE METER PROJECT**

Arduino-based capacitance meter project as part of a Microprocessor and Microcontroller Lab.

*Microprocessor and Microcontroller Course Project November – 2023*

- **WORKED ON CONCRETE 3D PRINTER PROJECT**

Got an opportunity to work on the electrical and electronics side of the concrete 3d printer project done by seniors

*Hobby project , February 2024*

- **ELECTRONIC SPEED CONTROLLER PROJECT**

Project using IRFZ44N MOSFET, for studying the basic speed control of a 3-phase BLDC motor.

*Hobby project , February 2023*

- **PROJECT ECO REVIVE: REPAIR AND RESORATION OF OLD LED LIGHTS**

Eco Revive" project, focusing on repairing and restoring old LED lights, contributing to sustainability efforts and reducing electronic waste.

*Hobby Project, 2021 Onwards*

- **REPAIR AND RESTORATION OF MCB PROJECT**

Repair and restoration of MCBs, successfully fixing over 4 MCBs and 5 isolators.

*Hobby Project 2022 Onwards*

- **PARTICIPATED IN 5 DAYS 3D PRINTER ASSEMBLY WORKSHOP**

Actively participated in 5 days advanced 3d printing and machine assembly workshop at IIT PALAKKAD.

*Organised by IPTIF, IIT Palakkad, June 2024*