

NIVED CHANDRAN

M.Sc Physics 2nd year

Dept of Physics, University of Calicut, Kerala, 673635

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EDUCATIONAL QUALIFICATION

EDUCATION	BOARD/UNIVERSITY	PERCENTAGE	YEAR
MSc Physics	University of Calicut	--	2024-2026
BSc Physics	University of Calicut	74.33	2021-2024
Higher secondary	Board of Higher Secondary examinations, Kerala	96	2018-2020
SSLC	Board of Public examinations, Kerala	95	2018

AREAS OF INTREST

- Nuclear physics, Detector Fabrication, Experimental Particle Physics, Detection techniques, Neutrino Physics

PROJECTS HANDLED

- BACHELOR'S PROJECT
Title- IC CHECKER
Guide-Dr. Shinto P. Mathew (St. Josephs college Devagiri-2024)
- PCB Design using KiCad (DE_Morgan Circuit)
- Smart Home Automation System – Designed and built using ESP32, sensors, and relay modules.

SKILLS / EXPERTISE

- Programming and Software skills: PYTHON, HTML, C++, SCILAB

- Software development tools: GitHub, VS Code
- Technical skills: Data logging from sensors, Creating and maintaining Servers, Webpage development, ExpEYES, Digital oscilloscopes
- Circuit design (analog & digital)
- PCB design (KiCAD, Eagle, etc.)
- Microcontroller programming (Arduino, PIC, STM32, ESP32)
- Soldering & prototyping
- Signal processing & measurement (oscilloscope, multimeter)
- IoT device development
- Microsoft suit (Word, Excel, PowerPoint)
- Laboratory skills

WORKSHOPS/EVENTS ATTENDED

- Workshop on MATLAB on March 10-11, 2025 organized by the department of physics, University of Calicut.
- Participation in Sastrayan 2024, Department of Physics (16-18th January 2025) organized by University of Calicut
- Workshop on SEELab Experiments and did a Mini project based on it, December 2023, organized by the Department of Physics, St. Joseph's college, Devagiri.
- Completed a Certificate course on SCILAB (2022-2023) Organized by St Joseph's college Devagiri (IIT Bombay Spoken tutorial)

REFERENCES

Dr. A M Vinodkumar

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Dr. M M Musthafa

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