Anand Das

Third-year EEE Student, NIT Calicut
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Education

Bharathiya Vidya Bhavan, Koyilandy *2020*
High School,
Score: 89%

Vijayagiri Public School *2021 – 2023*
Higher Secondary, Stream-PCM
Score: 95.4%

National Institute of Technology Calicut (NITC) *2023 – Present*
B.Tech. in Electrical and Electronics Engineering
CGPA: 8.12

Technical Skills

Languages: C, MATLAB
Tools: KiCad, Proteus, ROS2, LTspice, Git

Projects

Frequency Counter
Designed and built a frequency counter using D flip-flops, counters, and seven-segment displays.
- Designed combinational and sequential logic circuits to count the input signal frequency.
- Simulated the circuit using Proteus and implemented it on hardware.

Modelling & Control of 3-Phase Induction Motor
Developed a dynamic model of a 3-phase induction motor using MATLAB and Simulink.
- Implemented SPWM and SVPWM control.

PCB Design & Robot Fabrication – Riggu (Semi-Humanoid Robot)
Designed the power distribution PCB and contributed to the fabrication of Riggu, a semihumanoid robot capable of autonomous navigation.
- Created PCB schematics and layouts using KiCad focused on power management and distribution.
- Built the robot's outer body using resin and fiberglass, ensuring durability and proper component fitting.
- Assisted in assembling and integrating electronics with mechanical parts.

Extracurricular Activities

Member, Robotics Club – NIT Calicut

- Contributed to organizing ORIGO 2025, an introductory robotics workshop for beginners.
- Participated in robotics expos to showcase student-led innovations and promote interest in robotics.
- Participated in team activities focused on hands-on learning and technical demonstrations.

Achievements

Finalist – E-Toycathon 2025
Ministry of Education (MeitY) & CDAC Noida – Electronic Toy Prototype Hackathon
- Led a team in designing an innovative electronic toy prototype with custom PCB design.
- Selected among top 20 finalists nationwide.
- Contributed to circuit design, PCB layout, and product concept innovation.