**SREELAKSHMI DILEEP**

**PROFILE**

To obtain an employment in a respected organization and utilize the educational qualifications I've obtained to achieve both the organization's as well as my personal goals.

**EDUCATION**

* **M.Tech POWER ELECTRONICS AND DRIVES**

**CGPA – 7.38 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **B.Tech ELECTRICAL AND ELECTRONICS ENGINEERING**

**CGPA – 7.53 / 10**

* **Class 12** – 91% **2019**

Institution:

* **Class 10** – 90% **2017**

Institution:

**TECHNICAL INTERESTS**

Power Electronics

**PROJECTS**

**1.Isolated Interleaved DC-DC Boost Converter,** *Major project*   
Simulation (open loop and closed loop) and hardware design and implementation of Interleaved boost converter for solar applications

**2.Non-isolated n-stage High Step-up DC-DC Converter for Low voltage DC Source Integration**   
A novel high step up DC-DC converter topology to interface low voltage DC source with higher voltage load or utility grid.

**3.Solar Powered Electric Bicycle**   
Hardware Implementation of an Electric bicycle significantly powered by direct solar energy

**4. Sensored BLDC Motor Control Using dsPIC**   
Speed control of BLDC using the dsPIC30F3011 microcontroller, where hall sensor is used to sense the speed and the position.

**5. Bidirectional Converter using S^3CM Topology**   
The project focuses on designing a bidirectional converter using S3CM topology with a nine- level output.

**TECHNICAL SKILLS**

MATLAB, SIMULINK, PLC Programing, LTspice, ALTIUM, C Programming, MS Office, Embedded C-Coding

**INTERNSHIP**

**Internship at Havells Centre of Research and Innovation,Bangalore**

Project: Design and hardware implementation of DC DC converter for solar applications.

**Unipower Transformers Pvt. LTD, 7 Days Internship, 2020 August.**

**Internship at Transformers and Electricals Ltd (TELK), Angamaly**

Observed and studied different stages in the manufacturing of transformers and its testing procedures are studied. Also learned about the practical challenges and its solutions regarding the development and exporting of transformers.

**Training workshop on Basic PLC, HMI and SCADA by MITS-SIEMENS**

Learned and did practical on Ladder programming basics, timers. Introduction to basics of SCADA, functions, uses and its applications.

**LANGUAGES**

Malayalam, English