

BESTHA SHIVALINGA

LinkedIn: www.linkedin.com/in/bestha-shivalinga-430380369

contactno: +91-8247293708

Github: <https://github.com/Shiva6213>

Email Id: besthashiva006@gmail.com

Carrer Objective:

Aspiring to begin my career in the IT industry with a dynamic organization, where I can enhance my knowledge, develop my skills, and contribute to the company's success through dedication and continuous learning.

Educational Qualifications:

- Pursuing B.Tech in P.V.K.K Institute of Technology in the stream of Electrical and Electronics Engineering with an aggregate of 6.52 CGPA.
- Completed my Diploma in P.V.K.K Institute of Technology with a percentage 80%.

Technical Skills:

- | | |
|--------------------------------|---------------------------------|
| • Programming Languages | : Python, Basics of C language. |
| • Web development | : HTML, CSS. |
| • Databases languages | : MYSQL. |
| • Microsoft tools | : Word, Excel, power point. |

Major Project:

- **IMPLEMENTATION OF A DUAL CONTROL MPPT-BASED DC-DC CONVERTER FED SOLAR PV POWER APPLICATIONS**

The dual-control MPPT-based DC-DC converter in solar PV systems uses two feedback loops: one for Maximum Power Point Tracking (MPPT) and another for output voltage regulation. MPPT algorithms like Perturb and Observe or Incremental Conductance adjust the duty cycle to extract maximum power. A buck, boost, or buck-boost converter is used to condition the PV output. The second loop ensures a stable output voltage for the load or grid. This dual-loop setup enhances overall efficiency and dynamic performance.

Internships:

- Undergone 8 weeks training program in virtual mode on “**Maintenance of Transformers**” from Madhura Transformers during May – July 2024.
- Completed training in” **sai electricals training**” Oct 2021 – Feb 2022.
- Having 5 months internship on “**SOLAR PV PLANT DESIGN**” by SkillDzire

Certifications:

- Done a certification on “**Smart Grid: Basics to Advanced Technologies**” from National Program on Technology Enhanced Learning during Jan-Apr 2024
- Done a certification on “**Internet of Things**” and “**Industrial Internet of Things,**” from National Program on Technology Enhanced Learning during Jan-Apr 2024
- Received a certificate from State Board of Technical Education for 6 months industrial training on “**Operation and Maintenance**” in 2021.

Soft skills :

- Active learning
- Problem-solving
- Time management
- Team leading
- Consistency.