

SOWNDARYA KRISHNAN

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**OBJECTIVE:**

Seeking a challenging opportunities where I can make the best of my potential to learn & implement new things and contribute to the organization's growth.

ACADEMIC DETAILS:

COURSE	NAME OF THE INSTITUTION	% OF MARKS	YEARS OF PASSING
SSLC	Ponnu Matric Higher Secondary School.	97	2017
HSC	Vevaeham Higher Secondary School.	67.5	2019
B.E-EEE	Dr. Mahalingam College of Engineering and Technology	9.13 CGPA (upto sem 8)	2023

TECHNICAL SKILLS:

- **LANGUAGES** : C, Java, SQL ,HTML/CSS(Beginner level)
- **OPERATING SYSTEM** : Windows
- **APPLICATION** : MS Office, Excel sheet
- **TOOLS** : ORCAD PCB Designing, MATLAB, Eclipse, SQL Server, VS Code

AREA OF INTREST:

- Electron Device
- Digital Electronics

PROJECTS:**SMART GUIDENCE FOR VISUALLY IMPAIRED PERSONS:**

This device helps visually impaired persons to reach their destination without the help of others using a raspberry pi microcontroller, ultra sonic sensor and a ear phone. Which may make them feel free to reach their destination. (Done a literature survey of this project as a team).

COMPARITIVE ANALYSIS OF SOLAR PV FED BUCK CONVERTER WITH MPPT ALGORITHM:

The main objective of this project is to design DC-DC Buck converter for Solar PV application using simulation and derive state space equation for BUCK converter. It is implemented using MATLAB-SIMULINK.

DESIGN AND IMPLEMENTATION OF SOLAR PV FED BUCK CONVERTER WITH MPPT ALGORITHM:

The main objective of this project is design a hardware of DC-DC Buck converter and to implement the Perturb and Observe algorithm in it. (Done a ICISDG conference for this project as a team).

COURSES LEARNT:

- Problem solving through c. (Portal: SWAYAM NPTEL)
- Manual Testing (ISTQB Foundation Level certification)

EXTRA CURRICULAR ACTIVITIES:

- Member in Doodlers club (Fine Arts Club)

RESPONSIBILITY UNDERTAKEN:

- WIE chair-person of IEEE (2022 -2023)
- Joint Secretary of IEEE (2021-2022)
- Active Member in Avera Association (2021-2022)

PERSONAL SKILLS:

- Adaptability
- Self-confidence

PERSONAL PROFILE:

Date of birth	: 09-03-2002
Father's name	: Mr.S.Krishnan
Mother's name	: Mrs.T.Santhi
Nationality	: India
Mother tongue	: Tamil
Languages	: Tamil, English, Hindi, Sanskrit
Hobbies	: Art and crafts

DECLARATION:

I hereby confirm that the information given above is true to the best of my knowledge.

Place:

Date:

SOWNDARYA.K

SIGNATURE