

MAULI RAMCHANDRA KHADATARE

M. Tech Control System (Electrical Engineering)

MALE, 27 | DOB: 29/02/1996

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BE (Electrical Engineering)

Career Objective

My goal is to work innovatively for the enhancement and betterment of education. I aspire to work for an institution which offers career growth and chance to learn and improve my knowledge.

Education

Degree	Institution	Score	Period
M.Tech Control System	Walchand College of Engineering, Sangli	7.84/10	2017-19
GATE 2017	IIT ROORKEE	274(19.22) QUALIFIED	2017
GATE 2020	IIT DELHI	290(28.67) QUALIFIED	2020
GATE 2023	IIT Kanpur	316(23) QUALIFIED	2023
BE Electrical	FABTECH College of Engineering and Research, Sangola	76.47 %	2016-17
HSC	Sangola Vidyamandir, Sangola	61.33 %	2012-13
SSC	Sangola Vidyamandir, Sangola	85.45 %	2010-11

M.Tech Project:

Project Title	“Transformerless Micro-inverter for Single Phase PV System”
Project Description	
<ul style="list-style-type: none"> Designed 230V, 1000 KVA, single phase inverter based on flying capacitor principle. The design shows less THD, less switching stress, no leakage current and less conduction loss. The simulation is done in MATLAB Simulink software. The Hardware prototype is done for a 100 KVA system. The controller used for the switching pulses is dSPACE 1104. 	

Other Projects

Automatic Solar Tracking System. (BE)	Aug 16-Feb 17
<ul style="list-style-type: none"> The solar tracking system with wiper cleaner is made. 	
Burglar Alarm	Jan 16- March 16
Mosquito Repellent Circuit	Aug 15-Nov 15

Software Proficiency

- MATLAB/Simulink
- dSPACE
- MS office

Teaching Experience

Working as an Assistant Professor in Department of Electrical Engineering, **Fabtech Technical Campus, College of Engineering & Research, Sangola, Maharashtra** since 4th October, 2022 to till date.

Subjects Taught

1. Electric Traction and Utilization
2. Basic Electrical
3. Network Theory
4. Power System Operation and Control

Present Responsibility

1. UG Guide
2. Working in NAAC criterion 4

Publications

- IEEE paper: Sushil S. Karvekar, Sunny S. Sonandkar, Mauli R. Khadatare, "Isolated Boost Converter with Transformerless Microinverter for Single Phase Standalone Solar System", *2nd International conference on intelligent computing, instrumentation and control technologies (ICICT-2019)*, Vol-II, pp-635-640, July 2019.

Area of Expertise

- Control system, Network Theory , Power System