

# Curriculum Vitae

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**Name: Goutam Barma**

**Qualification: M. Tech (NIT Warangal)**

**Experience: 11+ Years**

**Research Interest: Design of Power Converters, Electrical Vehicles,  
Solar Cell applications**

## Academic Credentials

- ❖ M. Tech.(Power Electronics and Drives ) from NIT Warangal in the year of 2014.
- ❖ B. E. (Electrical & Electronics Engg.) from N.I.S.T. Berhampur, Odisha in the year of 2006.
- ❖ Intermediate from National college Nuapada, Odisha in the year of 2000.
- ❖ SSC from National High School Nuapada, Odisha in the year of 1996.

## Professional Experience

- Working as Asst. Prof. at ACE Engineering College, Hyderabad from 20-02-2020 onwards.
- Worked as Asst. Prof at St. Peter's Engineering College, Hyderabad, for **1 year 5 months** from 01-12-2017 to 30-04-2019.
- Worked as Asst. Prof. in NOVA Engineering College for **1 year** from 30-06-2016 to 14-06-2017.
- Worked as faculty **Techno Herald** Patna, Bihar from 2014 to 2016.
- Worked as Assistant Professor in Guru Nanak Engineering College (GNEC), Ibrahimpatnam, Hyderabad, for **3 Year 3 months** (23-06-2008 to 28-09-2011) in the department of EEE.
- Worked as Assistant Professor in Syed Hashim College of Science & Technology Hyderabad, for **10 months**(25-06-2007 to 28-04-2008) in the department of EEE.

### **Publications (National/International)**

<b>Sl. No</b>	<b>Title</b>	<b>Journal Name, Publisher / Name of the conference, Venue</b>	<b>Vol. No., Issue No. Page. Nos.</b>	<b>Month/ Year of Publication</b>
1	Designing Of Electrical Power Circuit For Industrial Load Using ECAD	International Research Journal of Modernization in Engineering Technology and Science(IRJMETS)	e-ISSN: 2582-5208	October-2022
2	Off-grid Solar PV Plant Design	International Journal Of Progressive Research In Engineering Management And Science (Ijprems)	e-ISSN: 2583-1062	December-2022
3	Dual Axis Solar Tracking PV System using Arduino UNO	International Research Journal of Engineering and Technology (IRJET)	ISSN: 2395-0056 Volume: 09 Issue: 06	June 2022
4	Power Theft Monitoring System In Power Lines	International Research Journal of Engineering and Technology (IRJET)	ISSN: 2395-0056 Volume: 09 Issue: 06	June 2022
5	Design and Implementation of Equal DC Voltage Source for Cascade H-Bridge	Journal of Advanced Research in Dynamical and Control Systems	Vol. 07, 13-Special Issue	Dec, 2018
6	Modeling And Simulation Of A Unstable Bridge For Winding Motor Drive Applications	International Journal of Research	e-ISSN: 2348-6848 p-ISSN: 2348-795X Volume 05 Issue 04 February 2018	Feb, 2018
7	A Comparative Study of Various Parameters used in Different Home Automation Technologies	International Journal of Innovations & Advancement in Computer Science	ISSN 2347 – 8616 Volume 7, Issue 4 April 2018	Apr, 2018

8	Modeling and Analysis of Voltage Controlled Positive Output Synchronous buck-boost converter	Institute of Electrical and Electronics Engineers	ISSN: 2325-9418, 17-20 Dec. 2015	2015
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### **List of Workshops / FDP/ Conferences / Seminars**

<b>Sl. No.</b>	<b>Workshops / FDP/ Conferences / Seminars</b>	<b>Organizer &amp; Year</b>
1	A Two Day Workshop On “Renewable Energy System Design(RESN)-2022”	ACE College, Hyderabad, 2022
2	1 <sup>st</sup> National Conference On “Application of Soft Computing Techniques in Engineering (NCASCTE-2022)”	ACE College, Hyderabad, 2022
3	Power Electronics for Electric Vehicles and Renewable Energy Systems	NIT Warangal, 2022 GRIET, Hyderabad
4	Application of Power Electronics in Electric Vehicles and Energy Storage	NIT Warangal, 2022
5	A Two Day FDP on Power System Modeling and Simulation Using PSCAD	ACE College, Hyderabad, 2021
6	A two day training program on MATLAB Applications	ACE College, Hyderabad, 2021
7	A one Day Workshop on Interfacing Sensors With Arduino	ACE College, Hyderabad, 2021
8	Power Conversion Technologies for Renewable Energy and Micro-Grid Applications	NIT Warangal, 2021
9	Fractional Order Robust Control System Design	Vardhaman College of Engineering, Hyderabad, 2021
10	ICT Tools for Teaching, Learning Process & Institutes	VNRVJIET, Hyderabad, 2020
11	A One Week National Workshop on Research Challenges and Application of Computational Tools in Electrical Engineering	VNITSW, Guntur, 2020
12	Strategies and ICT tools For Power Conversion Technologies and Applications	NIT Warangal, 2019
13	Indian Electricity Rules and Code of Practices (ICT08)	SPEC, Hyderabad, 2018
14	FDP on "System Design Aspects in IOT"	JNTUHCE, Hyderabad, 2018
15	Innovative teaching strategies and interpersonal skills	SPEC, Hyderabad, 2018
16	Academic Leadership and Mentoring	SPEC, Hyderabad, 2017

## **Projects**

1. **Guided B.Tech project** on “An Optimized Configuration of H-Bridge Multilevel Inverter ”
2. **Guided B.Tech project** on “Android Controlled Solar based Grass Cutter Robot”
3. **Guided B.Tech project** on ‘Off-grid Solar PV Plant Design Using PVsyst’
4. **Guided B.Tech project** on “Microcontroller based Dual Axis Solar Tracking PV System”
5. **Guided B.Tech project** on “Wireless Power Theft Monitoring System in Power Lines”
6. **Guided B.Tech project** on “IoT based Ambulance Emergency Vehicle with signal density”
7. **Guided B.Tech project** on “Hi-5 Power Generation with Wireless Transmission
8. **Guided B.Tech project** on “Design and Development of DC-DC Buck Converter for Photo-voltaic Application“
9. **Guided B.Tech project** on “High efficiency Step up DC-DC Converter for Low DC Renewable Energy Sources“
10. Completed **M. Tech Project** on “Design of Synchronous Non-inverting Buck-Boost Converter”
11. Completed **B.E Project** on “*Construction of Fully Automatic Star Delta (F.A.S.D.) Starter for 3-phase Squirrel Cage Induction Motor (SCIM)*”

## **Technical Skill**

MATLAB,

TMS320LF2407A DSP Programming,

8085 Programming,

PSCAD, pSpice

### **Statement of Purpose:**

I consider myself familiar with Electrical & Electronics Engineering aspects. I believe in teamwork and I desire to contribute to society through my teaching profession.

I hereby declare that the information furnished above is true to the best of my knowledge.

DATE:

PLACE: HYDRABAD

GOUTAM BARMA