

# Resume



**Name** : Dr. Supriya Jaiswal  
**Designation** : Assistant Professor  
**Department** : Electrical Engineering  
**Qualification** : Ph.D  
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## Other Profile Links

**Research Gate Link :**

**Personal Web Link :**

**Google Scholar Link :**

**Research Profile**

**Research Interests :** Power quality detection, Demand Side Management, and Smart metering

**Brief Research Profile :** Smart energy metering is a vital component for measurement, monitoring and decision making. Although the metering system has improved a lot in recent decades, however the introduction of microgrid, electric vehicles and DG sources raises the requirement of power quality event measurement, harmonics control and demand side management. The accuracy of energy metering system is often compromised in power quality events and pilferage conditions and causes revenue losses to utility. In order to address these issues, user-friendly applications is developed in NI-LabVIEW and FPGA which performs better in comparison to existing metering systems.

## Qualification

Name of the Degree	Year Of Passing	Institute/University
B.Tech	2009	National Institute of Technology Raipur (C.G.)
M.E	2013	Birla Institute of Technology Mesra Ranchi
Ph.D	2019	Visvesvaraya National Institute of Technology, Nagpur

## Publications

Year	Journal	Publication	Indexed In
2017	IET Science, Measurement & Technology	FDST-based PQ event detection and energy metering implementation on FPGA-in-the-loop and NI-LabVIEW, vol. 11, no. 4, pp. 453-463	SCI
2018	IET Generation, Transmission & Distribution	Method for fixing harmonic injection share of utility or consumer or both at the point of energy metering, , vol. 12, no. 16, pp. 3803-3811	SCI
2020	Journal of Electrical Engineering & Technology (Springer)	Fuzzy Inference Based Electricity Theft Prevention System to Restrict Direct Tapping Over Distribution Line, 15, pages1095-1106(2020)	SCI
2020	Computers and Electronics in Agriculture (Elsevier)	Fuzzy inference based irrigation controller for agricultural demand-side management, 175	SCI

## Edited Book/Book Chapter

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
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## Research Projects

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
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## Research Supervision

Programme Name	Scholar Name	Research Topic	Status	Year	Co-Supervisor
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## Patents

Name	Reg./Ref.No.	Date Of Award/Filing	Organization	Status
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## Teaching

Programme Name	Subjects Taught	From	To	Credits
Assistant Professor	Department of Electrical Engineering, G.H.Raisoni College of Engineering, Nagpur	08/06/2013	28/04/2014	11months
Assistant Professor	Department of Electrical Engineering, Bajaj Institute of Technology, Wardha	01/05/2019	06/03/2020	11months

## Administrative Responsibilities

Position Held	Organization	From	To	Remarks
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## Expert Talks

Title	Place	Year	Description
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**Professional Activities**

Name of Activity	Role	Duration	Organization
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**Courses Organized**

Category	Type	Title	Venue	From	To	Designation
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**Date :**

**Place :**

**Signature**