

Mrs.SARITA SAMAL

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ASSISTANT PROFESSOR(II)

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INTERESTED RESEARCH AREAS:

POWER QUALITY & HYBRID GENERATION SYSTEM

SCHOOL LEVEL RESPONSIBILITY:

1. FIC, Professional Body Activities (ISTE, ISLE, IE (I), IEEE, SES
2. Renewable Energy Research Group

ACADAMIC DETAILS :

S.NO	DEGREE	INTITUTION NAME	YEAR OF PASSING
1	10th	JNV CHIPLIMA	1996
2	12th	JNV CHIPLIMA	1998
3	BE	SMIT BERHAMPUR	2003
4	M.TECH	VSSUT BURLA	2006

EXPERIENCE:

TEACHING: 10 YEARS

PUBLICATION:

- [1] **S.Samal, P.K.Barik, P.K.Hota (2016)**, “*Reduction of Harmonics by using Three Phase Series Active Power Filter*”, Proceedings of 3rd International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences (EEECOS)-2016,IET Conference, SASI Institute of technology and Engineering,Tadepalligudem.AP, pp.95-100.
- [2] A.K.Nanda, **S.Samal, P.K.Hota, (2015)**, “*Mitigation of Power Quality Issues by Unified Power Quality Conditioner Design with PI and Fuzzy Controller*”, Proceedings of TEQIP-II Sponsored National Conference on Recent Advances in Renewable Energy and Control (RAREC-2015), VSSUT, Burla, pp.26-31.
- [3] **S.Samal, P.K.Hota, P.K.Barik, (2014)**, “*Comparative Analysis of MPPT Algorithms for Maximum Power Extraction from PV Systems*”, Proceedings of TEQIP-II, Govt. of India Sponsored National Conference on Recent Advances and Innovations in Electrical

Engineering (RAIEE-2014), VSSUT, Burla, pp. 18-23

- [4] **S.Samal, P.K.Hota**, P.K.Barik, (2016), “ *Harmonics Mitigation by using Shunt Active Power Filter under Different Load Condition.*”, Proceedings of 1st International Conference on Signal Processing, Communication, Power and Embedded system (SCOPE)-2016,IEEE Conference, Centurion University of Technology & Management, Paralakhemundi, Odisha.India.
- [5] **P.K.Hota, S.Samal**, (2016),"*Power Quality Improvement By A Photo-voltaic Generation System with Unified Power Quality Conditioner*", Proceedings of International Conference on Hybrid and Composite Materials, Chemical processing: HCMCP-2016,Elsevier: Material Today proceedings, St.Peter's Engineering College Hyderabad, Telangana 500043, India

M.Tech THESIS GUIDED:

YEAR :	
S.NO	TITLE
1	Design of active filter & simulation using IGBT based current source inverter
2	Differential evolution based economic load dispatch
3	Power Quality Improvement by using unified Power Quality Conditioner
4	Study and Simulation of Photovoltaic System Fed to 3-Phase Induction Motor
5	Comparative Study and Simulation of DC-DC Converter PV System

B.Tech PROJECTS GUIDED:

YEAR :	
S.NO	TITLE
1	Load flow studies by N-R Method using matlab programming
2	Comparative studies of load flow by N-R and F-D Method using matlab programming
3	Fault Analysis by using matlab simulink
4	Design of Transformer & 3-phase induction motor by using matlab programming
5	Comparative analysis of different methods of load flow studies by using ETAP
6	Design of Photovoltaic System by using matlab simulink

CONFERENCE/WORKSHOPS ORGANIZED/ATTANDED:

S.NO	Title	Attended/organized	YEAR
1	POWER ELECTRONICS DRIVES AND POWER QUALITY ISSUES	NIT Rourkela	23 rd -27 th December 2013
2	RECENT TRENDS IN RENEWABLE ENERGY SYSTEM	TAT Bhubaneswar	9-10 th November 2013
3	APPLICATION OF INTELLIGENT TECHNIQUES TO ELECTRICAL & ELECTRONICS SYSTEMS USING MATLAB SIMULINK.	SILICON INSTITUTE OF TECHNOLOGY BHUBANESWAR	10-14 th JUNE 2013
4	FDP	KIIT UNIVERSITY	26 TH -30 TH JUNE 2014

5	FDP ON EMERGING TRENDS AND CHALLENGES IN ELECTRIC POWER SYSTEM	C.V. RAMAN COLLEGE OF ENGG. BHUBANESWAR	18-23 MAY 2015
6	NATIONAL WORKSHOP ON RENEWABLE ENERGY PRESENT SCENARIO & FUTURE CHALLENGES	CET, BHUBANESWAR	28-30 DEC 2015
7	FDP ON PRESENT & FUTURE TECHNOLOGIES IN ELECTRICAL POWER AND ENERGY SYSTEMS	C.V. RAMAN COLLEGE OF ENGG. BHUBANESWAR	23-28 MAY 2016

SUBJECTS TAUGHT:

S.NO	SUBJECT CODE	SUBJECT NAME
1	EE-3001	EPTD
2	EE-3002	PSOC
3	EE-4003	SGP
4	EE-4021	PSE
5	EE-1003	BEE