

## Mrs. BABITA PANDA

Mrs. BABITA PANDA  
ASST. PROF-II

Contact details :

EMAIL ID:pandababita18@gmail.com  
PHONE NO:7205856704



## INTERESTED RESEARCH AREAS:

Renewable Energy, Power Electronics, Grid connected Photovoltaic system.

## ACADAMIC DETAILS :

S.NO	DEGREE	INTITUTION NAME	YEAR OF PASSING
1.	P.hD	KIIT UNIVERSITY	submitted
2.	M.TECH	KIIT UNIVERSITY	2009
3.	B.TECH	B.I.E.T,Bhadrak	2004
4.	ISC	PARADEEP COLLEGE	2000
5.	10 <sup>th</sup>	D.A.V Public School	1998

## SCHOOL LEVEL RESPONSIBILITY:

Course Co-ordinator of BEE,

## EXPERIENCE:

NAME OF THE INSTITUTE/ ORGANIZATION	DESIGNATION	FROM	TO
COLLEGE OF ENGINEERING, BHUBANESWAR	LECTURER	14 <sup>th</sup> JULY 2005	19 <sup>th</sup> JULY 2007
SILICON INSTITUTE OF TECHNOLOGY,BHUBAN ESWAR	LECTURER	19 <sup>th</sup> JULY 2007	16 <sup>th</sup> AUG 2012

## RESEARCH PROJECTS:

S.NO	TITLE	DURATIO N	AMOUNT SANCTIO NED
1.	Design and Implementation of novel PV ZSI Topology	1 year	1 Lakh

## PUBLICATION:

1) Babita Panda, Dr. P. K. Hota and Dr.Bhagabat Panda ” **Fault Analysis of Grid Connected Photovoltaic System**” **American Journal of Electrical Power and Energy system**,Vol.5,Issue 4,July 2016,pp 35-44, doi: 10.11648/j.epes.20160504.12.

2) Babita Panda, Dr. P. K. Hota and Dr.Bhagabat Panda” A simple current control strategy for single stage grid connected Three-phase PV Inverter” **American Journal of Electrical and Electronic Engineering**, 2016, Vol. 4, No. 4, pp-102-109.

### 7.2 FULL PUBLICATION:

1) Babita Panda, Dr.Bhagabat Panda, Dr.P.K Hota “Smart Grid Hybrid Energy System” is published in the journal “**International Journal of Emerging Technologies in Electrical Engineering**”(vol-2,issue-4,April-2013).

2) Babita Panda, Dr.Bhagabat Panda “Non-linear Sliding Mode Control of Three phase Ac-Dc PWM Converter” is published in the journal “**International Journal of Applications or Innovations in Engineering and Management**”,2014.  
9<sup>th</sup>-10<sup>th</sup> Dec 2013.

## M.Tech THESIS GUIDED:

YEAR :	
S.NO	TITLE
1.	Modelling and Control of Grid Connected PV system
2.	Modelling and Simulation of Stand-alone PV system using SEPIC Converter
3.	Feasibility Study of PV/Hydro Hybrid system using HOMER Software
4.	A Comparative analysis of different MPPT techniques for PV system
5.	Cascaded Multilevel Inverter topologies with different PWM schemes
6.	Power factor correction of Diode Rectifier
7.	Study of ZSI with different PWM technique

## B.Tech PROJECTS GUIDED:

YEAR :	
S.NO	TITLE
1.	Automatic Switching Process
2.	Automatic Emergency LED light
3.	CELL Phone Detection
4.	Automatic Voltage Stabilizer
5.	APPLICATION OF SLIDING MODE CONTROL FOR CSI STATCOM
6.	SPEED CONTROL OF PMDC MOTOR BY USING PWM TECHNIQUE
7.	POWER FACTOR IMPROVEMENT OF BOOST CONVERTER

## CONFERENCE/WORKSHOPS ORGANIZED/ATTANDED:

S.NO	Title	Attended/organized	YEAR
<b>National/International Conferences</b>			
1.	“Power Electronics Aspects of Wind Power Generation :A Survey” in <b>TechnoVision-2007</b>	Attended	2007
2.	“Robust Sliding Mode Control for a AC-DC PWM Converter” in <b>NCACI-2009</b>	Attended	2009
3.	Modeling & Simulation of Self Excited Induction Generator for Wind Power Applications in <b>“NCEPES-2010</b>	Attended	2010
4.	“Grid Connected Hybrid Energy System” in <b>“RAMPS-2012”</b>	Attended	2012
5.	“Non-linear Sliding Mode Control of Three phase Ac-Dc PWM Converter” in (RATMIG-2013)	Attended	2013
6.	“MODELING AND SIMULATION OF STANDALONE PHOTOVOLTAIC SYSTEM USING SEPIC CONVERTER” in (RAIEE 2014)	Attended	2014
7.	Modelling of Solar Wind hybrid Renewable Energy Sources in Simulink"Springer International Conference on Soft Computing Systems(ICSCS-2015)	Attended	2015
8.	A Comparative Study of PI and Fuzzy Controllers for Solar powered DC-DC Boost Converter” IEEE Conference 2015		2015
9.	A Comparative Analysis of Maximum Power Point		2015

	Techniques for Photovoltaic System”IEEE conference <a href="#">2015 (PCITC)</a>		
10.	A Comparative Analysis of PWM Methods of Z-Source Inverters used for Photovoltaic System ”Springer 5 <sup>th</sup> International Conference on Frontiers in Intelligent Computing Theory and Applications (FICTA)-2016		2016
<b>Workshop attended</b>			
1.	“Creative Thinking & Collaborative Learning”		2007
2.	National Workshop on Emerging Technologies in Electrical Power Systems-2007		2007
3.	National Workshop on Emerging Technologies in Electrical Power Systems-2010		2010
4.	National Workshop on Emerging Technologies in Electrical Power Systems-2011		2011
5.	Workshop on Numerical Optimization &it’s Engineering Applications(WNOEA-2011)		2011
6.	Specialized Training on “Frontier Lighting & Human Factors”		2013
7.	Two Days Workshop on “Soft Computing in Engineering Application”		2013
8.	“MATLAB/Simulation Based Modeling of Solar PV Module” International Congress on Renewable Energy (ICORE) 2013		2013
9.	“ENABLING RENEWABLE ENERGY – AND THE FUTURE GRID- WITH ADVANCED ELECTRICITY STORAGE” in the Regional Science Congress		2014
10.	“BIO-INSPIRED TECHNIQUES:Theory & Applications”		2014
<b>Short term Programme attended</b>			
1.	“Application of Non-Conventional Energy in Rural areas”		<b>2011</b>
2.	Control of Renewable Power Generation Systems		<b>2014</b>

<b>Faculty Development Programme attended</b>			
<b>1.</b>	“LabVIEW in Electrical Engineering and Smart Grid Technologies”		<b>2016</b>
<b>2.</b>	“Recent Advances in Control and Instrumentation(RACI-2015)”		<b>2015</b>
<b>3.</b>	“Electrical Power Distribution Management”		<b>2016</b>
<b>4.</b>	“ENTREPRENEURSHIP”		<b>2016</b>

### **SUBJECTS TAUGHT:**

S.NO	SUBJECT CODE	SUBJECT NAME
1.	EE 1003	Basic Electrical Engg.
2.	EE 3003	Linear Control Theory
3.	EE 3005	Power Electronics
4.	EE 3004	Electromagnetic Field
5.	EE 4005	Renewable Energy Systems
6.	EE 4021	Power Station Engineering