

Mrs. CHITRALEKHA JENA

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Assistant Professor II



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INTERESTED RESEARCH AREAS:

- POWER SYSTEM

ACADAMIC DETAILS :

S.NO	DEGREE	INSTITUTION NAME	YEAR OF PASSING
1.	B.Tech	COLLEGE OF ENGINEERING & TECHNOLOGY,O.U.A.T,BBSR	2001
2.	M.Tech	KIIT UNIVERSITY,BBSR	2011
3.	Ph.D (Thesis Submitted)	JADAVPUR UNIVERSITY	2016

EXPERIENCE:

TEACHING: (11+ years)

- 1.Worked as Lecturer in Electrical Engg in DRIEMS,TANGI,CUTTACK FOR 5 YEARS.
2. Worked as Sr.Lecturer in Electrical Engg in GEC,BBSR FOR 1 YEARS.
- 3.Working as Asst.Prof in School of Electrical Engg in KIIT UNIVERSITY since 2012

PUBLICATION:

1. C. Jena, M. Basu, C. K. Panigrahi, "Differential Evolution with Gaussian Mutation for Combined Heat and Power Economic Dispatch", **Soft computing**, February 2016, **Volume 20, Issue-2, pp 681-688.**

2. M. Basu, C. Jena, C. K. Panigrahi, "Differential Evolution with Gaussian Mutation for Economic Dispatch", published in the **Volume 97, Issue 4, December 2016 ISSN: 2250-2106 (Print) 2250-2114 (Online) Journal of Institution of Engineers.**

3. C. Jena, M. Basu, C. K. Panigrahi, "Improved Differential Evolution for Combined Heat and Power Economic Dispatch", accepted in **International Journal of emerging electric power system on 17th January ,2016.**

4. C. Jena, M. Basu, C. K. Panigrahi, "Improved Differential Evolution for Multi-area Economic Dispatch", accepted for publication in the **Journal of Institution of Engineers**.
5. C. Jena, M. Basu, C. K. Panigrahi, "Group Search Optimization for fixed head hydrothermal power system", accepted for publication in the **Journal of Institution of Engineers**.
- 6.. C. Jena, M. Basu, C. K. Panigrahi, "Short Term Hydro-Thermal Scheduling using Artificial Immunue System" , **International Journal of Computer Applications. Volume 107 - Number 18 ,Year of Publication: 2014 .**
7. C. Jena, M. Basu, C. K. Panigrahi, "Opposition-based Differential Evolution for Fixed Head Hydrothermal Power System", accepted in the **Journal of Institution of Engineers**.Springer
- 8.C.Jena,M.Basu,C.K.Panigrahi, "Modified Evolutionary Programming for Short-Term Hydrothermal Scheduling ",accepted in the **International Journal of Power and Energy Conversion**, Inderscience Publishers Ltd.

M.Tech THESIS GUIDED:

YEAR :	
S.NO	TITLE
01 (2012)	ANALYSIS AND SIMULATION OF PHASE MODULATED SERIES RESONANT CONVERTER FOR HIGH VOLTAGE APPLICATION
02 (2013)	DESIGN & PERFORMANCE ANALYSIS OF HYBRID RENEWABLE ENERGY PLANT WITH SOLAR & WIND POWER
03 (2014)	STUDYOF THREE PHASE INVERTER FED BY PV MODULE THROUGH BUCK-BOOST CONVERTER USING DIFFERENT PWM TECHNIQUES
04 (2014)	RESEARCH,ANALYSIS & DESIGN FOR SOLAR POWER GENERATION IN ODISHA
05 (2015)	SEPIC Converter & Obtaining High Gain for Renewable Applications using Modified SEPIC Topology

B.Tech PROJECTS GUIDED

YEAR :	
S.NO	TITLE
01	PHASE SEQUENCE CHECKER FOR THREE-PHASE SUPPLY
02	SOLAR POWER STREET LIGHT WITH INTENSITY CONTROL
03	FOUR QUADRANT DC MOTOR SPEED CONTROL USING CHOPPER
04	INDOOR HEAT REGULATION USING FUZZY LOGIC

CONFERENCE/WORKSHOPS ORGANIZED/ATTANDED:

S.NO	Title	Attended/organized	YEAR
01.	National workshop on “RENEWABLE ENERGY :PRESENT SCENARIO & FUTURE CHALLENGES”	CET,BBSR	28 th to 30 th December,2015
02	National conference on “Sustainable energy, Micro-grid Technologies”	Conducted by S’O’A University,BBSR	2 nd -3 rd Jan ,2015
03	National workshop on “Advances in Rural Electrification & systems”	DRIEMS,Tangi, Cuttack	17 th -18 th Nov,2014
04	National workshop on “Emerging Technologies in Electrical power Engineering”	SIT,BBSR in collaboration with IEEE PES	27 th Feb-1 st Mar,2014
05	Workshop on “Frontier lighting & Human factors”	Organized by Indian Society of Lighting Engineers, Calcutt a state centre & Local centre,BBSR	21 st Oct to 4 th Nov,2013
06	National Conference on Power,energy & Control	Organized by Dept of Electrical engineering,DRI EMS,Cuttack in association with ‘ISTE’ New Delhi	3 rd -4 th Feb,2014
07	National Seminar on Recent trends in Renewable Energy Systems	Organized by Trident Academy of Technolgy,BBSR	9 th -10 th Nov,2013
08	Workshop on Bio-inspired Techniques :Theory & Applications	Organized by School of Electronics Engineering,KIIT University	5 th -6 th Dec,2014
09	FDP ON “Emerging Trends & challenges in Electric power system”	Organized by C.V.RAMAN COLLEGE OF ENGINEERING, BBSR	18 th -23 rd May,2015
10.	IEEE conference on Power,Communication Information Technolgy	Organized by S’O’A UNIVERSITY,BBSR	14 th Oct,2015
11	FDP ON “Present & Future Technologies in Electric Power Systems”	Organized by C.V.RAMAN COLLEGE OF	23 rd -28 th May,2016

		ENGINEERING, BBSR	
12	FDP ON “Electric Power Distribution Management”	Organized by COLLEGE OF ENGINEERING & TECHNOLOGY, BBSR	20 th -24 th Sep2016
13	FDP ON “Power System Simulation studies using Mi Power V9.1”	Organized by School of Electrical Engineering,KIIT University	27 th -30 th June,2016
04	FDP ON “ENTREPRENEURSHIP”	Organized by,KIIT Technology Business Incubator ,BBSR	3 rd -19 th Oct,2016

SUBJECTS TAUGHT:

S.NO	SUBJECT NAME
01	ELECTICAL MACHINES & POWER ELECTRONICS
02	POWER ELECTRONICS
03	BASIC ELECTRICAL ENGINEERING
04	ELECTRIC DRIVES