



**Name:** Bibhuti Bhusan Rath

**Employer ID:** A5EEE00T08

**Designation:** Associate Professor

**Department:** EEE

Date of Birth: 30.05.1976

Father Name: Sankarsan Rath

Mother Name: Pravasini Rath

Category of Reservation(if any):OC

Address: B.M.Jemadeipur Sasan ,P.O.-Pandia ,Police Station : Kabisurya Nagar

Via-Purushottampur ,Dist-Ganjam ,PIN-761043 ,Odisha .

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**Date of Joining in the Institution:** 02-05-2007

**Academic Career:**

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	MONTH & YEAR
(Ph.D.Persuing)	Uttarakhand Technical University,Dehradun		Registered in August 2015
M. Tech.(EPE)	JNTUH, Hyderabad	FIRST Class With Distinction	January & 2011
B. E.(Electrical)	Utkal University, Bhubaneswar	FIRST class	May & 1998

**Total Years of Experience: 20 YEARS**

Period		Organization/Institution	Designation
May2012	Till Date	AITAM, Tekkali	Associate Professor
May2007	May 2012	AITAM ,Tekkali	Assistant. Professor
July2005	April 2007	GITAS ,Bobbili	Assistant Professor
August 2003	June 2005	GIET ,Gunupur	Lecturer
February 2002	August 2003	ITB,Bhubaneswar	Lecturer
February 2000	February 2002	SMIT,Berhampur	Lecturer
September 1998	February 2000	Narmada Fabrics Pvt Ltd,Ankleswar ,Gujarat	Trainee Engineer

**Areas of Interest:**

1. Power Electronics
2. Power Semiconductor Drives
3. Non-Conventional Energy sources
4. Electrical Machines
5. Power System Analysis
6. Power System Operation & Control
7. Switchgear & Protection devices
8. EHVAC Transmission
9. Soft computing and Design of Intelligent controllers for solar PV power systems

**Guidance of Academic Projects:**

- i) Doctoral Projects : Nil
- ii) Masters Projects : 4
- iii) Bachelor Projects :20

**Other Responsibilities:**

1. Did Energy Auditing for the entire college
2. Department Exam Cell In charge
3. Department Library In charge
4. Co-Convener For 1 Week Faculty Development Program “Effective Solutions to Smart grid ” 04<sup>th</sup>-8<sup>th</sup> April 2015
5. Worked as Hostel Superintendent in G.I.E.T., Gunupur from August 2003 to June 2005 .
6. Worked as Hostel Superintendent in G.I.T.A.S., Bobbili from July 2005 June 2006.

### **Memberships of Professional Societies:**

1. ISTE Membership No: LM61154
2. IEI Membership No: Member-M-145241-4
3. IETE Membership number: AM210714

### **Details of Publications:**

#### **National Conference:**

1. Bibhuti Bhusan Rath, B. Harish Kumar ,S.V. Jayaram Kumar, ‘A novel PSO approach to optimally design a PID controller for a BLDC motor at National Conference on Recent developments in Electrical Engineering’ held at Aditya Institute of Technology & Management during 15-16 March 2013.
2. Bibhuti Bhusan Rath ,N.Sowjanya , M.V.V.Appalanaidu , “ A PSO based optimal PID controller for a Brushless DC Motor at SERB ,DST-New Delhi Sponsored two day National Conference on CONTROL & AUTOMATION IN ELECTRICAL ENGINEERING (CAEE-2018)” held at Aditya Institute of Technology & Management during 09-10 May 2018 .

#### **International Conference:**

1. Swati Rawat, Bhola Jha ,Manoj Kumar Panda ,Bibhuti Bhusan Rath,‘Load frequency control of a renewable hybrid power system with simple Fuzzy logic controller’ in International conference on computing ,communication and Automation(ICCA 2016) ,918-923 held at Galgotia University, New Delhi.(IEEE Conference).
2. Bibhuti Bhusan Rath ,Manoj Kumar Panda ,Bhola Jha and Swati Rawat , “Particle Swarm Optimization Based Intelligent Controller for Maximum Power Point Tracking of A Standalone Solar Photovoltaic Power System” in the International Conference on Intelligent Computing in Control and Communication (ICCC-2020) held at and organized by at Aditya Institute of Technology and Management ,Tekkali-532201 ,Srikakulam District, Andhra Pradesh on 7<sup>th</sup> & 8<sup>th</sup> August -2020 .(SPRINGER CONFERENCE)

#### **International Journals:**

1. W.R.Ratna Paul Kodelli, Bibhuti Bhusan Rath,‘Novel Control of Multi Converter Unified Power Quality Conditioner with ANN technique’.(IJEIA,vol.1,Issue-2,Nov-2012,ISSN 2248-9278,716-724)
- 2 .Satish Kumar Ramoji, Bibhuti Bhusan Rath,‘Optimal Design of a Hybrid PV-Wind energy system using Genetic Algorithm(GA)’.(IJERT ,vol.3,Issue-1,January 2014,ISSN:2278-0181,1902-1913)
3. Satish Kumar Ramoji, Bibhuti Bhusan Rath,D.Vijaya Kumar,‘Optimum Design of a Hybrid PV-Wind Energy system using Genetic

Algorithm(GA)'.(IOSRJEN,Vol.4,Issue-1,Jan-2014,ISSN(e):2250-3021,ISSN(p):2278-8719,38-48).

4. Satish Kumar Ramoji, Bibhuti Bhusan Rath,D.Vijaya Kumar,'Optimization of a Hybrid PV-Wind Energy System using Genetic Algorithm(GA)'.(IJERA,Vol.04,Issue-01,Jan-2014,ISSN:2248-9622,29-37)

5. L.Vaijayanti, Bibhuti Bhusan Rath ,B.Srikanth, ‘A Fuzzy Logic Based Improved Maximum Power Point Tracking for a grid integrated Solar Photovoltaic Power system’. (IJIRSET, Vol.5, Issue12, December2016, DOI:10.15680/IJIRSET.2016.0512091, ISSN(Online:2319- 8753, ISSN(Print):2347-6710,20629-20643).
6. Bibhuti Bhusan Rath ,Nishant Kumar ,Manoj Kumar Panda ,Bhola Jha, ‘Centroid Analogy –Based MPPT Technique for uniformly shaded solar Photovoltaic Array’. (Iranian Journal of Science and Technology ,Transactions of Electrical Engineering ,SPRINGER ,<https://doi.org/10.1007/s40998-019-00267-7> ,Accepted September 2019 ,Published online :21 September 2019 ). (SCI Journal)

**Details of FDPs/Workshops/Refresher Courses Attended:**

1	30.11.07 to 01.12.07	Modern trends on AC Drives	TKR college of engg. & technology,Hyderabad.
2		Advances in Electrical Engineering	AITAM ,Tekkali
3	03.12.09 to12.12.09	Advances in Electrical Power & Control systems	JITM,Paralakhemundi,AICTE Sponsored SDP
4	27.04.10 to 11.05.10	Machine learning methodologies & their applications	GIET,Gunupur,AICTE sponsored SDP
5	28.08.2010	Tutorial on Virtual High Voltage laboratory	JNTUCEH,Hyderabad
6	09.12.10 to10.12.10	Advances in Power Electronics & Drives	AITAM,Tekkali
7	16-19 April 2012	Soft Computing Application to power system & control using MATLAB	AITAM,Tekkali
8	24.04.12 to 28.04.12	Mission 10X workshop by Wipro	AITAM,Tekkali
9	24.04.12 to 28.04.12	High Impact Teaching Skills-Dale Carnegie & Associates,Inc.Trainer & Wipro	AITAM,Tekkali
10	04.07.12 to 06.07.12	SDP On PSOC	GIFT,Bhubaneswar,AICTE sponsored
11	22/23 -03-13	Smart Power generation & renewable energy systems	AUCE ,Andhra University,Visakhapatnam,TEQIP phase-II.
12	16/22.12.2013	Depleting energy sources & alternate sources for sustainable energy future	Dept of Petrochemical Technology,BIT,Anna University, Tiruchirapally,One week TEQIP-II sponsored FDP

13	26-28.12.13	Soft computing applications to power systems	AITAM, Tekkali
14	13.12.2013	Research methodologies in engineering	AITAM, Tekkali
15	06.12.2014	One day workshop on outcome based education	AITAM, Tekkali
16	2 <sup>nd</sup> -3 <sup>rd</sup> March 2015	A two day workshop on low voltage hybrid AC-DC Microgrids(LVHADM-2015)	AU college engineering, Andhra University
17	09.03.2015	A one day workshop on outcome based education	AITAM, Tekkali
18	4-8 April 2015	One week FDP on 'Effective solutions to Smart-grid'	AITAM, Tekkali
19	28 Oct-01Nov, 2015	TEQIP sponsored short term course on "Smart Grid Technology and its Applications"	G.B.Pant Engineering College, Pauri-Garhwal, Uttarakhand.
20	08-12.02.2016	Professional Development Programme on "Nature Inspired Algorithms and Its Applications"	Indian School of Mines, Dhanbad
21	03-05 March 2016	Short Term Course on "Recent Trends in Power Electronics for Smart Grid & Electrical Drives"	Indian Institute of Technology, Patna (NaMPET)
22	29May-03June 2016	MHRD-GIAN Course on "Controls For Renewable Energy and Microgrids"	Jamia Millia Islamia, New Delhi
23	23-25 June 2016	TEQIP II Sponsored Training on "Pedagogy and Management Capacity Enhancement Program for Teaching	AITAM, Tekkali

		Staff”	
24	22-27 September 2016	TEQIP-II sponsored One Week FDP “on Optimization Techniques for Electrical Engineering Applications”	AITAM, Tekkali
25	29-01-2018 to 02-02-2018	AICTE sponsored STC on “Application of Micro Grid in Distributed Generation Together with Clean Energy Technology”	Pondicherry Engineering College ,Puducherry-605014 .
26	16-21 April 2018	MHRD Sponsored One Week Teaching Training Programme on “Application Of Embedded systems to Internet Of Things”	Lendi Institute Of Engineering & Technology ,Vizianagaram ,Andhra Pradesh .
27	APRIL 2018	PASSED NPTEL COURSE(POWER SYSTEM ENGINEERING)	Conducted by IITS & IISC BANGALORE
28	10-14 September 2018	TEQIP-III Sponsored STC on SMART GRID TECHNOLOGY & ITS APPLICATION – III .	GBPIET ,PAURI-GARHWAL , UTTARAKHAND ,INDIA .
29	APRIL 2019	PASSED (ELITE)NPTEL COURSE :NON- CONVENTIONAL ENERGY RESOURCES	Conducted by IIT MADRAS ,Funded by MHRD ,govt of India

30	April 2019	FDP On Non-Conventional Energy Resources by NPTEL	Conducted by IIT MADRAS ,Funded by MHRD ,govt of India
31	27 Jan-1 <sup>st</sup> February 2020	1 Week FDP on LabVIEW in engineering and Academic Research	Aditya Institute of Technology & Management ,Tekkali-532201 ,Srikakulam Dist.,Andhra Pradesh
32	24-27 April 2020	FDP on Digital Image Processing using MATLAB	Skilltohire.com & SynxaITPvtLtd.
33	30 April-04 May 2020	1 Week Webinar on Design ,simulation and Development of unmanned Aerial vehicles(Drones)in various engineering sectors	Organized by NAFEMS in association with Rajarambapu Institute of technology ,Islampur ,Maharashtra & Ramachandra College of Engineering ,Eluru ,Andhra Pradesh.
34	16 May 2020	Webinar on MEDICAL DRIVES	By dept of EEE RajaRajeswari College of Engineering ,Bengaluru .
35	18-30 May 2020	FDP on Internet Of Things (IOT)	Andhra Pradesh State Skill Development Corporation (APSSDC)



36	27-31 May 2020	FDP on Present Trends And Research in Electric Vehicles	Rajarambabu Institute Of Technology ,Rajaramnagar under the aegis Of RIT-IEEE student branch in association with IEEE Bombay section
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**Other Achievements:**

1. Ratified as Asst. Professor in 2007 in JNTUH selections.
2. Ratified as Assistant Professor in 2012 in JNTUK selections.
3. Acted as a Co-Judge for student paper presentation at AITAM College, in June 2010.

Signature  
Bibhuti Bhusan Rath

