

Faculty Profile



1. Name: Dr. Deoraj Kumar Tanti

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5. Office Address: Department of Electrical Engg., BIT Sindri (Dhanbad) 828123

6. Qualification:

S. No	Degree(UG, PG, PhD)	Specialization	Institute
1	B.Sc. Engg.	Electrical Engg.	M.I.T. Muzzafarpur
2	M.Sc. Engg.	Control System	B.I.T. Sindri
3	Ph.D.	Power Quality & Control	B.I.T. Sindri

7. Area of Specialization: Power Quality & Control

8. Subjects Taught:

I) UG: - Basic Electrical Engg., Network Theory, Signals & Systems , Electrical Machine

II) PG:- Modern Control System, Non Linear Control System.

9. Teaching Experience:

Sl. No.	Position held	Name of Organization	from	to
1	Assistant Professor.	B.I.T.Sindri	26.02.1993	25.02.2006
2	Associate Professor	B.I.T.Sindri	26.02.2006	10.08.2014
3	Professor	B.I.T.Sindri	11.08.2014	Till date

10. Publications:

I)International Journal:

Sl. No.	Title of the paper	Name of the journal in which publication has been made	Vol/No .	Publication Year	Pages
1	An ANN based approach for optimal placement of DSTATCOM for voltage sag mitigation.	International Journal of Engineering Science and Technology (IJEST)	Vol. 3, No. 2	February 2011	pp 827-835
2	Optimal Placement of Custom Power Devices in Power	International Journal of Power Electronics and Drive System (IJPEDS)	Vol. 2, No.3	September 2012	pp 267-276

	System Network to mitigate Voltage Sag under Faults.				
3	Load Flow Analysis on IEEE 30 bus System.	International Journal of Scientific and Research Publications	Vol. 2, Issue 11	Nov.2012	pp1-6
4	Optimal Placement of Custom Power Devices in Power System Network for Load and Voltage Balancing.	International Journal of Electrical Engineering and Technology (IJEET)	Vol. 3, Issue 3	Oct.-Dec. 2012	pp 187-199
5	Optimal Placement of DSTATCOM in an Indian Power System for Load and Voltage Balancing.	International Journal of Electrical Engineering and Technology (IJEET),	Vol. 4, Issue 3	May-June 2013	pp 63-74
6	MATLAB Simulation of Temperature Control of Heat Exchanger using Different Controllers.	Science Publishing Group: Automation, Control and Intelligent Systems	Vol. 2 No. 1	March 2014	pp 1-5
7	Transient Stability of 11-bus system using SVC and improvement of Voltage Profile in Transmission Line using Series Compensator.	American Journal of Electrical Power and Energy Systems	3(4)	August 2014	pp 76-85
8	Heart Rate Variability and its Association with Diseases.	VSRD International Journal of Electrical, Electronics & communication Engg.	Vol. IV, Issue VIII	Sept. 2014	pp 161-167
9	Fuzzy Control Scheme for Damping of Oscillations in Multi Machine Power System with UPFC.	International Journal of Innovative Research in Science, Engineering & Technology	Vol. 4, Issue 7	July 2015	pp 5785-5794
10	Temperature Control of Semiconductor LASER Using Different Controllers.	International Journal of Innovative Research in Science, Engineering & Technology	Vol. 4, Issue 7	July 2015	pp 5810-5818
11	Comparative Performance Analysis for Two	International Journal of Latest Trends in Engineering &	Vol. 7, Issue 2	July 2016	pp 345-352

	Tanks Liquid Level Control System with Various Controllers using MATLAB.	Technology (IJLTET)			
12	Performance Analysis of Speed Control of Hybrid Electric Vehicle.	International Journal of Innovative Research in Science, Engineering & Technology	Vol. 5, Issue 8	Aug. 2016	pp 15466-15474
13	Performance Analysis of Controllers for AGC and AVR in Two Area System.	International Journal of Scientific Research and Education (IJSRE)	Vol. 04 Issue 09	Sept. 2016	pp 5809-5814
14	Speed Control of Separately Excited DC Motor	International Journal of Advance Research in Science and Engineering (IJARSE)	Vol. 06, Issue 05	May 2017	Pp 665-675

II) National Journal:

Sl. No.	Title of the paper	Name of the journal in which publication has been made	Vol/No.	Publication Year	Pages
1	An ANN based approach for optimal placement of custom power devices for harmonic reduction in an interconnected power distribution system network, ,	Electrical India, Chary Publications Pvt. Ltd., India	Vol. 55, No. 8	Aug. 2015	pp-56-61

III) National Conference :

Sl. No.	Title of the paper	Name of the Conference in which publication has been made	Vol/No.	Publication Year	Pages
1	Quality of Power: A Concern for Power Engineers and Consumers.	National Workshop on Technological Challenges of 21 st Century-- The Road Ahead, BIT Sindri		Feb. 8 - 9, 2008.	pp 351-357
2	Effect of Resistance Switching on Transient Recovery Voltage in a Transmission System.	National Conference on Problems, Practices and Prospects in Power Distribution System Operation and Control (PPPPDSOC-2009), Punjab Engineering College Chandigarh.	ISBN: 93-80043-01-5	Jan. 23-24, 2009	pp 84-88.
3	An ANN Based Approach for Optimal Placement of	National Conference on Artificial Intelligence and Agents Theory & Applications.		Dec.9-11, 2011.	pp 196-20.

	DSTATCOM and DVR in Power System for Voltage Sag Mitigation under Faults.	IIT (BHU), Varanasi (UP).			
4	Solar Energy an Opportunity and Challenges to overcome Power Crisis in Rural India.	National Seminar on Environmental Issues: Protection, Conservation and Management (EIPCM), BIT, Sindri.	ISBN: 978-93-85 77728-8	Feb. 26-27, 2016	pp 227-230.

11. Symposium/ Workshop/Seminar/ Attended

Sl. No.	Title of Symposium/ Workshop/Seminar/ Short – term Courses	Date	Organizing Institute
1	National Workshop on Industry Institute Interaction (NWIII).	July 13-14, 2007	BIT Sindri (Dhanbad)
2	National Workshop on Technological Challenge of 21 st Century-- The Road Ahead.	Feb. 8 - 9, 2008	BIT Sindri (Dhanbad)
3	National Seminar on Environment issue on Geotechnics & Mineral Industries.	April 4-5, 2008	BIT Sindri (Dhanbad)
4	National Conference on Problems, Practices and Prospects in Power Distribution System Operation and Control (PPPPDSOC-2009).	Jan. 23- 24, 2009	Punjab Engineering College, Chandigarh
5	National Seminar on Recent Advances on Information Technology (RAIT-2009).	Feb.6-7, 2009	I.S.M. Dhanbad
6	National Conference on Artificial Intelligence and Agents Theory & Applications.	Dec.9-11, 2011	IIT (BHU), Varanasi (UP), India
7	National Seminar on Indian Nuclear Power Program: Challenges and Opportunities.	April 14-15, 2012	BIT Sindri (Dhanbad)
8	National Seminar on Energy and Environment for Sustainability (ESS).	March 16-17, 2013	BIT Sindri (Dhanbad)
9	National Workshop on Intellectual Property Rights.	October 26, 2013	BIT Sindri (Dhanbad)
10	All India Seminar on Recent Advancement in Manufacturing and its Management (RAMM-14)	Feb. 07-08, 2014	BIT Sindri (Dhanbad)
11	National Seminar on Environmental Issues: Protection, Conservation and Management (EIPCM).	Feb. 26-27, 2016	BIT Sindri (Dhanbad)
12	Recent Trends in Electronics Instrumentation Systems	05.10.1998 to 16.10.1998	M.I.T., Muzaffarpur
13	Personal Communication System	14.12.1998 to 26.12.1998	M.A.C.T., Bhopal
14	Role of Educational Technology in Modern Engineering Education	08.03.1999 to 19.03.1999	M.I.T., Muzaffarpur

15	Management of Higher Technical Education	20.12.1999 to 31.12.1999	M.I.T., Muzaffarpur
16	Productivity & Prosperity Through Safety Engineering and Management	31.03.2001 to 12.04.2001	B.I.T., Sindri
17	LabVIEW Basics	10.07.2006 To 14.07.2006	PSG College of Technology, Coimbatore
18	Blue Print for Success	29.08.2006 to 31.08.2006	By Qualified Learning Systems Co. Inc., At Ranchi
19	Finance for Non-finance Executives	13.11.2006 to 17.11.2006	X.L.R.I., Jamshedpur
20	Application of MATLAB & Tool-Boxes for Real Time Solutions	21.04.2007 to 22.04.2007	B.I.T., Mesra, Ranchi
21	Certified PLC Programmer (CPP)	07.04.2008 to 12.04.2008	By Prolific System & Technologies Pvt. Ltd. At BIT Sindri
22	Programmable Logic Controller (PLC)	07.07.2008 to 11.07.2008	N.I.T.T.T.R., Kolkata
23	Pedagogy	10.08.2008 to 14.08.2008	B.I.T., Sindri
24	Intellectual Property Rights (IPR)	13.09.2008 to 14.09.2008	B.I.T., Sindri
25	Pedagogy II	14.10.2008 to 19.10.2008	B.I.T., Sindri
26	Digital Signal Processing (DSP)	20.10.2008 to 24.10.2008	N.I.T.T.T.R., Kolkata
27	Project Management	24.11.2008 to 28.11.2008	X.L.R.I., Jamshedpur
28	Performance Enhancement Skills	23.07.2012 to 03.08.2012	B.I.T., Sindri
29	Summer Training Program on Active Learning	18.06.2018 to 22.06.2018	IIT, Gandhinagar
30	National Workshop on NBA and NAAC Accreditation	18.06.2019 to 22.06.2019	Engineering Staff College of India
31	Digital Transformation in Teaching Learning Process	06.04.2020 to 22.04.2020	Online (IIT, Bombay)

12. Administrative Position Held:

S. No.	Position Held	From (date/month/year)
1	Head, Deptt. Of Electrical Engg	13.02.2019 to till date
2	Training & Placement Officer, BIT Sindri	08.07.2014 - 23.01.2017
3	Prof. in-charge, Substation	26.01.2017- Feb 2019

13. Members of Professional Bodies: Life Member, ISTE.