


NEW FACULTY PROFILE FOR UPLOADING IN VSSUT WEBSITE

	Name	Dr. Rosy Pradhan
	Designation	ASSISTANT PROFESSOR
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	Email ID.	rosy.pradhan88@gmail.com
	Date of Birth	03/04/1988
	Date of Joining	28/05/2014
Qualification	B.Tech(I&E, CET BBSR, 2010), M.Tech (Control and Automation, NIT Rourkela , 2013), Ph.D.(VSSUT, Burla, Feb 2019)	
Specialization	Control and Automation	
Experience	<ol style="list-style-type: none"> 1. Assistant Professor, Dept. of EE, VSSUT, Burla (May 2014- Now) 2. Junior Research Fellow, Dept. of EE, ISM Dhanbad (Jan –May 2014) 3. Lecturer on Contract, Dept. of EE, PMEC, Berhampur (July-Nov 2013) 	
Subject Teaching	Graduate level: Basic Electrical, Electronic Circuit, Signal & System, Network Theory	
	Postgraduate level: Microprocessor and Microcontroller Based Systems, Adaptive Control	
Research Area	Intelligent Control	
Research Guidance	Ph.D. guidance : Nil	
	M.Tech. Guidance : 06(Completed) 01 (Pursuing)	
Awards & Honours	Nil	
Members of Professional Bodies	IEEE(#93386505), IAENG(#153669), Life member of ISTE	
Sponsored Projects & Consultancy	01(TEQIP Seed Money, VSSUT, Burla)	
Publications	<p>International Journals :</p> <ol style="list-style-type: none"> 1. Rosy Pradhan, Santosh Kumar Majhi, Jatin Kumar Pradhan, and Bibhuti Bhusan Pati. "Performance Evaluation of PID Controller for an Automobile Cruise Control System using Ant Lion Optimizer." Engineering Journal 21, no. 5 (2017): 347-361. 2. Rosy Pradhan, Santosh Kumar Majhi, Jatin Ku Pradhan, and Bibhuti Bhusan Pati. "Antlion optimizer tuned PID controller based on Bode ideal transfer function for automobile cruise control system." Journal of Industrial Information Integration (Elsevier) Vol. 9 (2018): 45-52. 3. Rosy Pradhan, Santosh Kumar Majhi, Bibhuti Bhusan Pati, (2018) "Design of PID controller for automatic voltage regulator system using Ant Lion Optimizer", World Journal of Engineering (Emerlad), Vol. 15 Issue: 3, pp.373-387, https://doi.org/10.1108/WJE-05-2017-0102 4. Rosy Pradhan, Santosh Kumar Majhi, Bibhuti Bhusan Pati, "Design of Fractional Order PID Controller for Heat Flow System using Hybrid Particle Swarm Optimization and Gravitational Search 	

	<p>Algorithm”, International Journal of Computational Intelligence Studies, Inderscience, Vol. 8, Issue ½, 2019.</p> <ol style="list-style-type: none"> 5. Santosh Kumar Majhi, Subho Bhattacharya, Rosy Pradhan and Shubhra Biswal, “Fuzzy Clustering using Salp Swarm Algorithm for Automobile Insurance Fraud Detection”, Journal of Intelligent and Fuzzy Systems, IOS Press. 6. Rosy Pradhan, Bibhuti Bhusan Pati, “Comparative Performance Evaluation of Fractional Order PID Controller for Heat Flow System using Evolutionary Algorithm”, International Journal of Meta-heuristic Computing, IGI Global.
	National Journals : Nil
	<p>Conferences :</p> <ol style="list-style-type: none"> 1. R. Pradhan, and B. B. Pati, “Optimal FOPID Controller for an Automobile Cruise Control System” <i>International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE), Bhubaneswar, India, 2018.</i> 2. Rosy Pradhan, Susmita Pradhan, and Bibhuti Bhusan Pati. "Design and Performance Evaluation of Fractional Order PID Controller for Heat Flow System Using Particle Swarm Optimization." In <i>Computational Intelligence in Data Mining</i>, pp. 261-271. Springer, Singapore, 2019. 3. Rosy Pradhan, P. Patra and B. B. Pati, "Comparative studies on design of fractional order proportional integral differential controller," <i>2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI)</i>, Jaipur, 2016, pp. 424-429. 4. Rosy Pradhan and P. K. Ray, "Experimental analysis for online estimation of power system parameters," <i>2015 International Conference on Energy, Power and Environment: Towards Sustainable Growth (ICEPE)</i>, Shillong, 2015, pp. 1-6.
Patents	Nil
Technology Transfer	Nil
Books / Chapter published	Nil
Seminar / Symposia / Short term Course organized	<p>Organized</p> <ol style="list-style-type: none"> 1. One Week Hands-On Workshop on MATLAB and SIMULINK, Nov 2017. <p>Attended</p> <ol style="list-style-type: none"> 1. Two - Weeks ISTE Workshop on Control System, 2nd-12th Dec 2014, IIT Khargpur 2. Training Program on PHOTONICS for Women, 9th – 14th May 2015, DST, New Delhi 3. STC on Modeling and Simulation of Hybrid Power Generation System, 14th – 19th Dec 2015, VSSUT, Burla 4. STC on Microcontroller & Embedded System including PIC, 28th Dec 2015 – 6th Jan 2016, IIT Khargpur 5. STC on Application of Meta-Heuristic Techniques in Smart Power System Operation, Control and Protection, 1st May -6th May 2017, VSSUT, Burla

	6. STC on Nature Inspired Computing, NIT Jaipur 7. STC on Distributed Networked Control Systems, VSSUT Burla	
Extra Responsibility	1. Faculty Advisor Galaxy, 2014 – 15 2. E- Content Preparation for the subject Electronic Circuit 3. Anti Ragging Committee member 4. Committee member of RARCE 2015	
Any other Distinction		
Address for Communication		
	<i>Present Address</i>	<i>Permanent Address</i>
	Department of Electrical Engineering VSSUT, Burla, Sambalpur, Odisha-768018	Qtr No F-21/6, Vivekananda Chowk, Burla, Sambalpur, Odisha-768018