

	<p>Name Sonali Prava Dash Designation Assistant Professor Department Electronics and Telecommunication Qualification M.Tech.PhD (Pursuing) Contact No 9130144204 Ph. Extension 373 E-mail Address spdash@bvucoep.edu.in, sonalipdash@gmail.com Experience Teaching 12 Years Industry 1.2 Years : : :</p>
Area Of Interest	Optical Communication, Photonics
Publications	<p>International Journal (s): 11 National Journals (s) : International Conference (s): 07 National Conference: 01</p>
Publication Details	<ol style="list-style-type: none"> 1. B. C. Behera, S. N. Sarangi, N. K. Sahoo, S. P. Dash, and S. K. Tripathy, “Novel Designed Sensors for Biomedical/ Biological Science Applications using Magnetic Nanoparticles”,accepted in <i>Biomaterials-Based Sensors – Principles, Design and Applications:Springer Nature</i>, (2021). 2. Ankit Bajpai, Evam Srivastava, S.P. Dash, “ Lane Detection and Vehicle Detection using Neural Network”, <i>IRJET</i>, Volume: 07 Issue: 10, pp 1813-1819 (2020). 3. Aayush, Rohit Jaiswal, R.Satyateja, S.P.Dash, “Smart Garbage Monitoring System using NodeMCU”, <i>IRJET</i>, Volume: 07 Issue: 04, pp 1974-1977 (2020). 4. Sonali Prava Dash, Sumanta Kumar Patnaik, Sukanta Kumar Tripathy, “Investigation of a Low Cost Tapered Plastic Fiber Optic Biosensor Based on Manipulation of Colloidal Gold Nanoparticles”, <i>Optics Communications</i>, Vol 437, pp 388-391(2019). 5. Sonali Dash, Anshul Suden, Ankush, Polumallikarjuna Reddy, “Optical Communication using Fibre Bragg Grating”, <i>IJIEEE</i>, Volume-6, Issue-3,pp 63-64 (2018). 6. Sonali P. Dash, Chayan Kathuria, Ashita Dashottar, Raj Kumar, “Propeller Led Display”, <i>IJIEEE</i>, Volume-6, Issue-3,pp 65-67 (2018).

7. **Sonali Dash**, Abhijeet Singh, Ankit Mishra, Dheeraj Anand, "Realization of All Logic Gates with Nand Gate using Optispice", *IJIEEE*, Volume-6, Issue-3, pp 09-13 (2018).
8. **Sonali Prava Dash**, A. Rinaldo, B. Srinivasan, "Spectra Tailoring of Fiber Bragg Gratings through Scanning Beam Fabrication Technique," *Journal of Optics*, Issue 44, Vol 4, pp330-336 (2015).
9. **Sonali Prava Dash**, Sukanta Kumar Tripathy, " Y-shaped Design in Two Dimensional Photonic Crystal Structure for Applications in Integrated Photonic Circuits", *Optik: Int. J. Light Electron Optik*, Vol.124, pp.3649-3650 (2013).
10. J.Verma, **S.P.Dash**, and S.K.Tripathy "Design of a concentration sensor based on photonic crystal fiber placed between two single-mode fiber, *Soft Nanoscience Letter*, Vol3, ,pp36-38 (2013).
11. S.K.Tripathy, Subikash Sahu, Chinmay Mohapatro, **Sonali Prava Dash**, "Implementation of optical logic gates using closed 2D-photonic crystal structure", *Optics Communications*, Vol.285, pp 3234-3237(2012).
12. **Sonali Prava Dash**, Sukanta Kumar Tripathy, "Controlling an Optical Signal in Two Dimensional Photonic Crystal Structure using an Elliptical Defect", *WRAP-2019: IEEE Photonics Society*.
13. **Sonali P. Dash** and Sukanta K. Tripathy, "Improvement of Transmission Efficiency in Solid Plastic Pipe using ZnTe Quantum Dots for Lighting System", *41st OSI ICAOP-2017*.
14. A.Hota, **S.Dash** and S.Tripathy "A high sensitive Alcohol sensor based on Fiber Bragg grating written on a photonic crystal fiber", *Photonics2014* , *Optics Infobase, OSA Digital Library*
15. S.Rath, **S.P.Dash**, M.Hota and S.K.Tripathy, "Realization of Optical XOR and OR Gates Using Asymmetric Y Structure in a Two Dimensional Photonic Crystal", *AIP conference Proceedings in International Workshop on Functional Materials-2012*, Vol.1461, pp. 369-373.
16. S.Rath, **S.P.Dash**, M.Hota and S.K.Tripathy, "Realization of Optical OR Gates Using Asymmetric Y Structure in a Two Dimensional Photonic Crystal", 978-1-4673-0074-2/11/ © 2011 IEEE.
17. **S.P.Dash**, Mihir Hota, Trinath Sahu and S.K.Tripathy, "Analysis of Coupling Efficiency between Two Holey

	<p>Fibers Using a Holographic Coupler, 978-1-4244-9799-7/11/ ©2011 IEEE</p> <p>18. Mihir Hota, S.P.Dash, TrinathSahu and S.K.Tripathy ,“Analysis of coupling efficiency between two large mode area Photonic Crystal Fibers using a Holographic Coupler” ICMARS-2011.</p> <p>19. S. P. Dash, Mihir Hota, S.K. Tripathy “Segmented Core-Clad Fiber Design for Enhanced SBS Threshold and Improved Coupling Efficiency of using two fibers by using a Holographic Coupler”, ICMOT-2010</p>
Books Published	
Professional Memberships	ISTE
WorkShop/Seminar/Conference attended	<ul style="list-style-type: none"> • FDP on “Advancements and Research Opportunities in Electronics & Telecommunications”,between4th-8th August 2020 at BVDUCEP, Pune. • Workshop on “Satellite Communication”, between 6th-10th Jan, 2020,at BVDUCEP, Pune. • Workshop on “Optical Fiber Communication”, between4th-8th Nov, 2019,at BVDUCEP, Pune. • Short term course on “Optical Network”, between 27th - 29th Dec 2016 at IIT Delhi. • “Photonics-2016”, between 4th-8th Dec 2016 at IIT Kanpur. • International Workshop on “Nano sensor Science and Technology” between 27th Feb-1st March 2013at NIST, Berhampur collaborating with Naval Research Lab • “Photonics-2012” between 9th -12th Dec 2012at IIT Madras. • Workshop on “Plasmonic and Nano-optics” during 24th -30th June2012at University of Hyderabad , organized by TIFR. • “Annual Photonics workshop” between 27th -28th Feb2012 at CUSAT,Cochin • “International Workshop on Functional and Material” between 25th -26th Dec 2011 at NIST, Berhampur collaborating with Drexel University.
Achievements	<ul style="list-style-type: none"> • Certified NPTEL course from 2018 to 2020. • Excellence in Research work from NIST in 2013. • National Photonics Fellow-2012 in IIT, Madras. • Best Paper Presentation Award on ICONSET-2011 at Satyabama University,Chennai. • Second Prize on IWFM-2011 at National Institute

	of Science and Technology, Berhampur, Odisha
Extra Activities	Guardian Faculty Member, Student Training Program Coordinator in Department