

	Name	Dr. Shilpa Prithviraj Gaikwad		
	Designation	Associate Professor		
	Department	Electronics		
	Qualification	Ph.D. (E & TC)		
	Contact No.	9822521901	Ph. Extension	271
	Email ID	spgaikwad@bvucoep.edu.in		
	Experience	Teaching :	13-Years	Industry :

Area of Interest	Computer Networking			
Publications	International Journal (s):	16	National Journals (s) :	01
	International Conference (s):	04	National Conference:	01
Publication Details	<ol style="list-style-type: none"> 1. Ruchi Vyawahare, Prof. S. P. Tondare, Prof. Dr. S. P. Gaikwad, "Vital parameter monitoring for health through IOT using biosensors and medicines box", ISSN: 2320-9798, Vol. 06, Issue 04, pp. 3302 to 3307, April 2018. 2. Ms. Mousami Vanjale, Dr. Shilpa Gaikwad, Dr. J. S. Chitode, "Residual Battery Capacity Based Routing Protocol for Extending Lifetime of Mobile Ad Hoc Network", 2018 International Conference on Advances in Communication and Computing Technology-ICACCT, 8-9 Feb. 2018. 3. Abhijeet Srivastava, Ruchik Gaikwad, Mohsin Khan, Shilpa Gaikwad and Sharda Tondare, "An Electronically Controlled Damper System to Reduce the Roll and Pitch in Automobiles", International Journal of Engineering and Technology (IRJET), p-ISSN: 2395-0072, Vol. 04, Issue 04, pp. 1 to 6, April 2017. 4. Divya Singh, Jyuthika Sen, Yashpriya Sharma, S. P. Tondare, and S. P. Gaikwad, "Pain Relief Through Electrical Simulation", International Journal of Engineering and Technology (IRJET), p-ISSN: 2395-0072, Vol. 04, Issue 04, pp. 2718 to 2722, April 2017. 5. Mujawar Ulafatjahan, Poornima, S. P. Tondare, and S. P. 			

Gaikwad, "Sleep Inducer", International Journal of Engineering and Technology (IRJET), p-ISSN: 2395-0072, Vol. 04, Issue 04, pp. 2067 to 2070, April 2017.

6. Diksha Bolshette, Sonupriya Langote, Sonali Lokare, Prof. S. P.Tondare, Prof. S. P. Gaikwad, "HEARING AID", International Journal of Engineering and Technology (IRJET), p-ISSN: 2395-0072, Vol. 04, Issue 04, pp. 2690 to 2695, April 2017.
7. Shilpa Patil and Bharat Chaudhari, "Placement of Sparse Partial Uniform and Non-uniform Wavelength Converters in Wavelength Routed Networks," in Proc. of IEEE International Conference on Electronics, Computing and Communication Technologies–CONECCT 2015, Bangalore, India, July 2015, pp. 1-6. (IEEE Xplore)
8. Shilpa S. Patil, Bharat S. Chaudhari and Baojun Li, "New weight dependent routing and wavelength assignment strategy for all optical networks in absence of wavelength converters," ICTACT Journal on Communication Technology, vol. 06, no. 3, pp. 1131-1135, Sept. 2015.
9. Shilpa S. Patil and Bharat S. Chaudhari, "Placement of Wavelength Converters in Dynamically Routed All Optical Networks in presence of Tunable Transceivers," Journal of Network Protocols and Algorithms, vol. 7, no. 4, pp. 26-36, Dec. 2015.
10. Shilpa S. Patil and Bharat S. Chaudhari, "Enhanced Adaptive Routing Technique for Benes ONoC," Intl. Journal of Networking and Communication Engineering, vol. 8, no. 2, pp. 31-34, Feb. 2016.
11. Prajakta Deshmukh, S.P. Gaikwad, K. Krishna Naik , "Multipath

Propagation of Statistical Underwater Acoustic Channel”, International Journal of Electrical, Electronics and Data Communication ISSN(P) : 2320-2084, ISSN (O): 2321-2950 Special Issue 01, April 2015, pp: 47-50.

12. Prajakta Deshmukh, S.P. Gaikwad, K. Krishna Naik , “Multipath propagation of statistical underwater acoustic channel”, ETECE-International Conference, 2nd & 3rd April 2015.
13. Prajakta Deshmukh, S.P. Gaikwad, K. Krishna Naik , “Multi signal Underwater Communication Using IDMA”, IETE National Journal of Innovation and Research Volume 02, Issue 02, December 2014
14. Ms. Priyanka Uday Patil, Prof. S.P. Gaikwad , “Throughput and Packet Error Rate Analysis using Routing Algorithm”, International Journal of Science and Research ISSN(O): 2319-7064 Volume 03, Issue 11, November 2014, pp:3113-3116.
15. Mrs. S. P. Gaikwad, Ms. Priyanka Patil, “Routing Mechanism for the Improvement of Network Throughput”, International Journal of Advanced Research in Computer Science and Volume 04, Issue 05, May 2014.
16. Samudra Sampada, Prof. S.P. Gaikwad, “Quality of Service Parameters for Optical Burst Switched Network”, International Journal of Research in Engineering and Technology ISSN(O): 2319-1163, ISSN(P): 2321-7308 Volume 03, Issue 11, November 2014, pp :1-5.
17. P. D Yadav, Shilpa Gaikwad, “Simulating Wavelength Converter to Reduce Call Blocking”, International Journal of Electronics and Communication Engineering ISSN:2348-8549 Volume 01, Issue 09, November 2014, pp: 19-23.

	<p>18. Prajakta Deshmukh, S.P. Gaikwad, K. Krishna Naik , “Multipath Propagation of Statistical Underwater Acoustic Channel”, 1st International Conference on Emerging Trends in Electronics and Communication Engineering 2 nd April 2015.</p> <p>19. Sampada Samudra, Mrs. S.P. Gaikwad, “Optical Burst Switching (OBS) for DWDM Transmission Medium: An Overview”, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) ISSN(Print): 2319-5940 ISSN(Online): 2278-1021 Volume 12 Issue 2 December 2013.</p> <p>20. S. P. Gaikwad, “Application of heart photoplethysmograph”, National conference on Advanced Technologies for Secured communication using 4G & LTE-14 5th & 6th Feb14.</p> <p>21. S. D. Samudra; S. P. Gaikwad, “A Survey of HDLC Controllers”, International Journal of Science and Research (IJSR) Vol.2, No. 4.</p> <p>22. Mrs. S. P. Gaikwad, Mrs. S. P. Tondare, “Nanotechnology in Cochlear implants using Nano biomaterials for Drug Delivery and Stimulation,” International Conference on Nano Technology Materials and Composite Frontier Applications (NANOCON 2010) 14,15 Oct 2010.</p> <p>23. Mrs. S. P. Gaikwad, Mrs. S. P. Tondare, “Nanotechnology and its Advent in Electronics and Communication Networks”, International Conference on Nano Technology Materials and Composite Frontier Applications (NANOCON 2010) 14, 15 Oct 2010.</p>
<p>Patent Published</p>	<p>Shilpa S. Patil and Bharat S. Chaudhari, “Five Port Optical Router for Optical Network on Chip Applications,” Filed and published in The Indian Patent Office Journal, No. 29/2016, Ref. 201621017235A, P50685, July 15, 2016.</p>

Books Published	Nil
Professional Memberships	1. ISTE (Life membership) 2. BOS member
WorkShop/Seminar/Conference attended	<ol style="list-style-type: none"> 1) Faculty Development Programme on Artificial Intelligence & Machine Learning, 15-17 May 2018. 2) Continuing Education and Quality Improvement Programmes on Biology for Engineers, COEP, Pune, 2017. 3) Workshop on Patent Drafting and Filing in BVDUCOE, Pune, 2017. 4) Participation in Author Workshop, Springer Nature and BVUCOE, Pune, 2017. 5) Participation in 1st National Teachers Congress, MIT, Pune, 2016. 6) Workshop on LABVIEW, BVDUCOE, Pune 7) Training on CCNA, Axiom Technology, Pune, 2013. 8) Workshop on women Empowerment, BVDUCOE, Pune, 2014. 9) Workshop on Application on MATLAB, National Water Academy Pune, 2013. 10) Workshop on Leadership Development, BVDUCOE, Pune 11) Workshop on VLSI DESIGN at I²IT, Hinjawadi, Pune. 12) Workshop on Mission10X at VIT, Pune
Achievements	Nil
Extra Activities	<ul style="list-style-type: none"> • BOS Member • Worked as a Seminar coordinator • Worked as a Department Project coordinator • Worked as AMIE coordinator. • R & D cell member. • Core committee member for organizing International Conferences Nanocon 012, Nanocon 014, Nanocon 018 and NACICE 2013.

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| | <ul style="list-style-type: none">• Active participation in Alumni association activities as Executive council member of Alumni Association.• Contribution in admission process as a scrutiny committee member for UG and PG.• Active participation in Swachha Bharat Abhiyan conducted at Vitthalwadi, 2015• Contribution in syllabus revision workshops as BOS member.• Contribution in NBA and NAAC activities.• Contribution in conduction various workshops under Womens Cell. |
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