

**Mr. PURKAR SANTOSH VISHNU**

"Matoshri", 25B, Model Colony, Jail road  
 Shivaji nagar Nashik.-422101  
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**Professional Objective:**

To get to a responsible position and gain good reputation at workplace by making use of my talent and eagerness to learn, so as to be beneficial to the organization I work for, while enhancing my knowledge.

**Academic Details:**

- Ph.D in Electronics & Telecommunication Engineering from Matoshri College of Engineering and Research Center, Nashik
- Masters in Electronics & Telecommunication from VJTI, Mumbai
- Bachelor of Electronics Engineering from SSVPSOE, Dhule, NMU
- GATE Qalified from IIT Kharagpur organizing

**Employment Details:****Teaching Experience:****20 Years****Current Designation**

Associate Professor (Department of E&amp;Tc Engineering)

**Name of Employer:**

Matoshri College of Engineering and Research Center, Nashik

**Date of Joining:  
(current institute)**1<sup>st</sup> April 2024**Interest**

Digital Electronics Microcontroller and IOT

**Awards:**

- GURAV PATRA from JANKALYAN BLOOD BANK.
- Best paper prize for paper presentation in AISPC-09 at NDMVP's COE, Nashik
- Best paper conference at MATOSHRI College of Engineering

**Other Experience:**

- Anti-ragging committee member at institute level:2012-2016.
- NBA Coordinator for Department: 2015-2016.
- Members of Lodging and boarding for NAAC/NBA/Autonomy Committee.
- Project coordinator for department:2008-2014,2015-2016
- Member of Exam Coordination Committee for YCMOU, Nashik ( Open University), 2006-2012.

**Work as Resource person or Session chair :**

- Reviewer for CPGCON, SPPU. At SITRC,Nashik
- Session Chairperson for International Conference at Chandwad, Nashik
- Representative from Institute for State level Discussion of Ragging at Panchvati college of Management and Computer science.2015
- NBA 1st point presentation at KKWIEER NASIK-2015 on 6th August 2015
- Work as Reviewer for CPGCON-2015 of Pune University on 15-16th March 2015
- Work as Chairperson for National Conference –Seminar at G.D.Sawant college of Science Nashik on 09 and 10th Oct. 2014.
- Work as Session chair for Telekinesis on 20th Mar 2014 at Electronics Engg. Department at K.K.Wagh College of Engg., Nashik
- Work as Reviewer for Essay competition for AIRSHOW OF HAL at K.K.Wagh College of Engg., Nashik-13

	<ul style="list-style-type: none"> <li>Work as Judge for Circuit Design competition on 19th Mar 2013 at Electronics engg. Department, K.K.Wagh College of Engg., Nashik</li> </ul>
<b>Subjects taught and Invited Talks :</b>	<ul style="list-style-type: none"> <li>Internet of Things</li> <li>Logic design and computer organization</li> <li>Wireless Communication</li> <li>Wireless Sensor Network</li> <li>Digital Electronics and Logic Design</li> <li>Computer Network</li> <li>Microcontroller and its Application</li> <li>Mobile communication</li> <li>Microprocessor and Interfacing</li> </ul>
<b>MOOC/ AICTE FDPs/ Certificate Courses</b>	
<b>NPTEL</b>	Successfully completed NPTEL online certification- for subject “ <b>Micrprocessor and Microcontroller</b> ”
	Successfully completed NPTEL online certification- for subject “ <b>Digital Circuits</b> ”
	Successfully completed NPTEL online certification-“ <b>Computer Organization</b> ”
	Successfully completed NPTEL online certification for subject “ <b>Internet of Things</b> ”
	Successfully completed NPTEL online certification for subject “ <b>Industrial Internet of Things</b> ”
	Successfully completed NPTEL online certification for subject “ <b>Computer Organization</b> ”
<b>Conferences/Workshop/Seminars/STTP attended: 11</b>	
<b>Publications/ Presentations</b>	<ul style="list-style-type: none"> <li>Participated in Paper presentation on Topic “A Review on Energy Efficient Clustering Protocol of Heterogeneous Wireless Sensor Network” in International Journal of Engineering and Technology ,2017; Page(s) : 2491-2504; ISSN : 2514-2527(Online) 2319-8613 (Print) ;Source : Vol. 9, No.3 DOI : 10.21817/ijet/2017/v9i3/1709030342 In 2017.</li> <li>Energy Efficient Clustering Protocol to Enhance Performance of Heterogeneous Wireless Sensor Network: EECPEPHWSN in Journal of Computer Networks and Communications (Hindwi journal), Vol. 2018, Article ID 2078627, 12 pages, 2018. <a href="https://doi.org/10.1155/2018/2078627">https://doi.org/10.1155/2018/2078627</a> Scopus/ACM/Web of Science,2018</li> <li>Participated in Paper presentation on Topic “Dynamic Clustering Protocol to Enhance Performance of Heterogeneous Wireless Sensor Networ” in Adhoc and wireless Sensor Journal; (AHSWN) ) Vol.45.number.1, p. 1-27 (2019). SCI/Scopus,2019</li> <li>Papers Published on topic “Improved Clustering Protocol to Balanced Energy Consumption in Heterogeneous Wireless Sensor Network” , in Universal Journal of Electrical and Electronics, 2019, Vol 6 (Dec, 2019), No 5A; pp. 1 – 7; DOI: 10.13189/ujeee.2019. Scopus,2019</li> <li>Papers Published on topic “Clustering algorithm for deployment independent heterogeneous wireless sensor network In Wireless Personnel communication journal (Springer) pages:1-22, (2019) .</li> <li>Participated in Paper presentation on Topic “COPY RIGHT in the name of</li> </ul>

	<p>Research Title and problem details (SYNOPSIS) and Designed Algorithm” Website: <a href="http://copyright.gov.in/">http://copyright.gov.in/</a> September, 2018</p> <ul style="list-style-type: none"> <li>• Participated in Paper presentation on Topic “COPY RIGHT based on Designed Algorithm” Website: <a href="http://copyright.gov.in/">http://copyright.gov.in/</a> September, 2018.</li> <li>• Participated in Paper presentation on Topic “Improved Clustering Protocol to Balanced Energy Consumption in Heterogeneous Wireless Sensor Network” First International Conference on Advances in Electrical and Computer Technologies 2019 (ICAECT - 2019); Coimbatore, Tamil Nadu, India:26-27, April:2019, <a href="http://www.icact.co.in">www.icact.co.in</a> Springer, April, 2019</li> <li>• Participated in Paper presentation on Topic “Energy Efficient Clustering Protocol to Prolong the Lifetime of Heterogeneous Wireless Sensor Network: EECPL-HWSN” “International Conference on Contents, Computing and Communication”(ICCCC - 2017) 2017</li> <li>• Participated in Paper presentation on Topic “Technique towards MultiObjective Clustering in Heterogeneous Wireless Sensor Networks” (Journal) SSRG International Journal of Electrical and Electronics Engineering, vol. 10, no. 12, pp.8-17,2023. <a href="https://doi.org/10.14445/23488379/IJEEE-V10I12P102">https://doi.org/10.14445/23488379/IJEEE-V10I12P102</a> Scopus, 2023</li> <li>• Participated in Paper presentation on Topic “Clustering Multilevel Energy Nodes in Wireless Sensor Network for Multiple Goals (Journal)” Tuijin Jishu/Journal of Propulsion Technology, February Issue Scopus Awaited</li> <li>• Participated in Paper presentation on Topic “SZBC-HWSN: Stabilize Protocol for Heterogeneous Wireless Sensor Network(Journal)” Advances in Wireless and Mobile Communications (AWMC), Vol. 10, No.5, 2017, pp. 1163-1183 2017.</li> </ul>
<b>Conferences/Workshop/Seminars/STTP attended:</b>	<ul style="list-style-type: none"> <li>• Attended Recent Trends In Information Technology (NCRTIIT-09) on “Next Generation Grade of Service and Mobility Management”. organized by Vitthalrao Vikhe Patil College of Engineering, Viladghat, Ahmadnagar on 20-21/02/2009</li> <li>• Attended TECHNOEVOLUTION -2k9 on” Wireless Arm for GSM Control organized by Amrutvahini COE, Sangamner, A'Nagar on 29/01/2009</li> <li>• Attended AISPC-09 on “Automated Electricity Billing Using ARMGSM Interface”organized by NDMVP's COE, Nashik on 23-24/01/2009</li> <li>• Attended Avenues In Computing Communication and Information Technology on Recent Trends In Communication organized by Kavi Kulguru Institute of Technology and Science, Ramtek, Nagpur on 12-13/03/2005</li> <li>• Attended Matlab Simulink on Matlab and its Features organized by Simulink, pune Branch March-2003</li> </ul>
<b>Weblinks:</b>	
<b>Website</b>	<a href="http://mcoerc.org/Departments/ElectronicsTelecommunication/Faculty.aspx">http://mcoerc.org/Departments/ElectronicsTelecommunication/Faculty.aspx</a>