


FACULTY OF ENGINEERING & TECHNOLOGY (EXCLUSIVELY FOR WOMEN)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Personal Details	
Name: Dr. Nandini S Patil	
Designation: Associate Professor	
Department: Computer Science and Engineering	
College Address: CSE Department, Faculty of Engineering and Technology(Exclusively for Women), Sharnbasva University, Kalaburagi	
Contact: 9620255550	
E-mail id: nandinipatil5@gmail.com	

Areas of Interest	Wireless sensor networks, IOT, Bigdata analytics
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Subjects Taught	
UG	PG
Programming for problem solving	Advanced computer networks
Operating System, Analysis and design of algorithm	Internet of things and its applications
Bigdata Analytics	Cyber security and cyber law

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D	Computer Science and Engineering	KBN Engineering college, Kalaburagi	VTU, Belguam	Aug, 2023
PG (M.tech)	Computer Science and Engineering	B.V. Bhoomareddy Engineering college, Hubli	VTU, Belguam	April, 2011
UG (B.E)	Computer Science and Engineering	REC, Hulkoti	VTU, Belguam	Feb, 2009

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Work Experience							
Name of the Institution		Position		From		To	
Faculty of Engineering and Technology (Exclusively for women), Kalaburagi		Associate professor		26/7/2023		Till dated	
Faculty of Engineering and Technology (Exclusively for women), Kalaburagi		Assistant professor		1/9/2020		25/7/2023	
Godutai Engineering college, Kalaburagi		Assistant professor		8/7/2014		31/8/2020	
BLDEA's Dr. P.G Halakatti Engineering college, Bijapur		Assistant professor		2/8/2010		7/7/2014	
Total Experience	15 Years	Teaching	10 years	Research	5 years	Administration	0

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
	11		6	1	18
Recent Publications (Journals)					
1. Nandini S. Patil, Dr. Asma Parveen, "A. ACS LEACH protocol using optimized clustering and improved orthogonal matching pursuit in WSN". International journal of information technology. 14, 175–184 (2022). https://doi.org/10.1007/s41870-021-00791-y . 2. Nandini S. Patil, Dr. Asma Parveen, "Integrated CS-Clustering mechanism for network lifetime improvisation in WSN environment", Multimedia Tools and Applications (2022). https://doi.org/10.1007/s11042-022-14261-5 . 3. Nandini S. Patil, Dr. Asma Parveen, "Consensus-based Secure and efficient compressive sensing in a wireless sensor network environment", The Indonesian Journal of Electrical Engineering and Computer Science (IJECS) (2023). http://doi.org/10.11591/ijeecs.v30.i1.pp200-207 4. Yasmeen Sultana, Prof Nandini V Patil, "Dry Handwashing Machine By Fog Disinfection To Save Water", International Journal Of Creative Research Thoughts - Ijcr (Ijcr.Org), Volume 10, Issue 8, 2022, Pp.E464-469. DOI: https://ijcr.org/papers/IJCRT2208548.pdf					

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5. Syeda Shahana Amreen, Nandini V Patil "Cloud-Based Anti-Theft Vehicle Number Plate Detection", International Journal Of Creative Research Thoughts - Ijcr (Ijcr.Org), Volume 10, Issue 8, 2022, Pp.E102-109. DOI: <https://ijcr.org/papers/IJCRT2207540.pdf>
 6. "Simulation Framework for Traffic Control, Secured Communication & Privacy Protection with Intrusion Detection for VANETs ",The International Journal Of Science &Techno ledge (ISSN 2321 – 919X),pp.103-110. DOI: <https://www.internationaljournalcorner.com/index.php/theijst/article/view/123837>
 7. "Protected and Stable Routing Protocol for Heterogeneous Multi Hop Wireless Network", ", IJSRD - International Journal for Scientific Research & Development, Vol. 5, Issue 06, 2017, ISSN (online): 2321-0613, pp.1630-1632. DOI: <https://ijsrd.com/Article.php?manuscript=IJSRDV5I60515>
 8. "Implementing High-Quality-Grained Multiple Data Users &MultiKeyword Search Assisting Sub Terminologies Over Cloud Records", IJSRD - International Journal for Scientific Research & Development, Vol. 5, Issue 06, 2017, ISSN (online): 2321-0613, pp.1063-1065. <https://ijsrd.com/Article.php?manuscript=IJSRDV5I60515>
 9. "Protected and Shared Data Discovery and Dissemination in Wireless Sensor Network", IJSRD - International Journal for Scientific Research & Development, Vol. 5, Issue 06, 2017, ISSN (online): 2321-0613, pp.971-973. DOI: <https://ijsrd.com/Article.php?manuscript=IJSRDV5I60425>
 10. "Predicting Academic Course Preference using Inspired MapReduce", International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 & p-ISSN: 2395-0072, Volume: 06 Issue: 09,2019,PP. 1077-1081.DOI: <https://www.irjet.net/archives/V6/i9/IRJET-V6I9161.pdf>
 11. "Phishing Website Detection based on Machine Learning",International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 & p-ISSN: 2395-0072, Volume: 06 Issue: 09,2019,PP. 1113 -1117. DOI:<https://www.irjet.net/archives/V6/i9/IRJET-V6I9167.pdf>
1. Nandini S. Patil, Dr. Asma Parveen, "Integrated Compressive sensing based Clustering approach to improve network lifetime in WSN," 2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC), Tumakur, India DOI: 10.1109/ICMNWC52512.2021.9688472.
 2. Nandini V Patil,"Real-Time Stress Level Monitoring using IOT", IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS) (ICIICS-2023)

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3. Nandini S. Patil, Dr. Asma Parveen, "Data Processing in a wireless sensor network using a data analytical technique (DAT)," 2019 International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, 2019, pp. 527-530. DOI: 10.1109/ICSSIT46314.2019.8987827.
4. Nandini S. Patil, "Data Aggregation in Wireless Sensor Networks", International Conference on Computational Intelligence and Computing Research, ISSN:2053-1583, Vol.2 Issue-7, 2010.
5. Nandini S. Patil, "Effect of data aggregation on wireless sensor network performance," *Trendz in Information Sciences & Computing (TISC2010)*, Chennai, 2010, pp. 214-217
6. Nandini S. Patil, "Irrigation Control System Using Android and GSM for Efficient Use of Water and Power", international Journal of Advanced Research in Computer Science and Software Engineering, Volume: Volume 4, Issue 7, July 2014, pp. 607-611.
7. Nandini V Patil, "SALR Based adaptive and secure load balancing routing for service oriented wireless sensor network", National Research conference on Engineering , Business Management, Sciences, Humanities & Social science with IETE subcenter, Kalaburagi, 2022.

**Memberships in
Professional Bodies**

S.No.	Name of the Professional Body
1.	IETE Life Member(M-502222)
2.	ISTE Life Member(LM-97261)
3.	IEEE Student Member(90616906)
4.	International Association of Engineers (IAENG)(315637)

**Programs
Organized**

1.	Bigdata analytics Workshop
2.	Problem solving and Ideation(Seminar)
3.	Product Design - A Guide to Understanding Apps and Websites(webinar)

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Sl.No.	Training Programmes Attended
1.	ISTE Skill development training program on “Internet of things” from 28/12/2024 to 08/02/2025.
2.	Industry collaborated one week national level FDP on “Industry 4.0 –use cases”
3.	NPTEL Course in “Introduction to Internet of things” and scored gold medal Elite (5% topper)
4.	NPTEL Course in “ Python for Data Science” and scored Silver medal
5.	AICTE – VTU Joint Teachers Training Programme VISVESVARAYA TECHNOLOGICAL UNIVERSITY on “Introduction to Python Programming & its Applications”
6.	ICT Academy on “Idea Generation Methods”
7.	Next Gen Employability program Edunet foundations on “Building Advanced data analytics applications with cloud”
8.	Excelr: Raising Excellence on “NLP & ChatGPT Applications”

Special Lectures Presented	
1.	Invited Talk on Bigdata analytics in Shetty Engineering college, Kalaburagi.

Role & Responsibilities	
1.	Final Project coordinator, PDC Coordinator, Convocation Coordinator
2.	Board of Studies
3.	Board of Examiner