




## K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

<b>Faculty Name</b>	NANDINI GOWDA P	
<b>Designation</b>	ASSOC. PROFESSOR	
<b>Educational Qualification</b>	B.E , M.TECH (Ph.D.)	
<b>Experience in Years</b>	19 Years	
<b>Areas of Interest</b>	Edge Computing ,Fog Computing and Cloud Computing , Machine Learning, Big Data Analytics ,Data Mining	
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### Educational Details

<b>Examination/ Degree</b>	<b>College / University</b>	<b>Year of Passing</b>
UG	KVGCE/VTU	2003
PG	EPCET/VTU	2008
Ph.D(Pursuing)	BNMIT/VTU	-

### Publications

#### International Journal Publication:

1. “Optimizing Real-Time Data Preprocessing in IoT-Based Fog Computing Using Machine Learning Algorithms”, IAES International Journal of Artificial Intelligence (IJAI), Scopus Indexed Q2, ISSN: 2252-8938 Vol.14, No.3, pp.1900~1909, June 2025.
2. “Energy Optimization in Smart Networks Using Machine Learning-Driven Fog Computing to Reduce Unnecessary Cloud Data Transmission”, Engineering, Technology & Applied Science Research(ETASR), Scopus Indexed Q2, eISSN 1792-8036, pISSN 2241-4487, Vol. 15, No. 3, 24070-24076, June 2025
3. “A Comparative Review of Internet of Things Model Workload Distribution Techniques in Fog Computing Networks”, Information Dynamics and Applications(IDA), ISSN: 2958-1486 ISSN (Online): 2958-1494, Vol. 3, No. 1, pp. 21–46, Nov 2024
4. “An Efficient Reconfigurable Workload Balancing Scheme for Fog Computing Network Using Internet of Things Devices”, International Journal of Electrical and Computer Engineering (IJECE) - Scopus Indexed Q3, ISSN: 2088-8708, Vol. 13, No. 6, pp. 6525~6537, Dec 2023

### **International/National Conference:**

1. “A Hybrid Cloud Approach for Secure Authorised Deduplication using Cloud computing”, ICGCP, Sapthagiri College of Engineering , May 2023.
2. “Stock Price Prediction Using Machine Learning Regression”, IJREAM, Volume 5, Special issue-NGEPT, ISSN: 2454-9150, Oct 2021.
3. “Attribute based encryption for cloud Computing”, IJREAM, Volume 5, Special issue-NGEPT, ISSN: 2454-9150, Oct 2021.
4. “Efficient Computing of Skyline Queries using Sky-MR”, National Conference at Brindavan College of Engineering, 2019.

### **Awards**

1. AWS Academy Accredited Educator - AWS Cloud Practitioner Course
2. AWS Cloud Practitioner Certified

### **Professional Membership**

1. Life Time Member of Computer Society of India (CSI)
2. IAENG

### **Contact Details**

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