

FACULTY PROFILE

Name : Dr.K.NagarathnaRajur



Designation : Associate Prof.
Department : Electronics & Comm. Engg.
Employee ID : 1-2192156485

E mail ID : knrec@becbgk.edu
(College official ID), nagarathnavtu@gmail.com
(Personal mail ID)

Contact details : 9900334456
Dept. E&C
BEC, Vidyagiri
Bagalkot

Orcid ID : <https://orcid.org/0000-0002-4825-3555>

Scopus ID : 55386981600

Vidwan Id : 170012

Researcher ID (Web of Science) : AAH-9897-2021

Google Scholar ID : o_HoLIIAAAAJ

Qualification : Ph.D

Professional Experience

Teaching experience : 24years

Industry experience : 2 years

Administrative Responsibilities : 1. Project Co-ordinator

Teaching : UG

No. of Projects Guided

UG : 10

PG : 1

Research

Interest Area : 1. Machine Learning (Block Chain Technology)
2. WireLess Sensor Networks.
3. Machine Learning (Data Analysis)

Patents : 1. patent numbered 202141016943 Blockchain Enabled Hardware system for IoT infrastructure Integraon for Security optimization .

Publications
Books/Chapters

- : 1. Essentials of Security in Internet of Things,By KINDDLE Publications ASIN : B094423D7F(Complete book)
- 2. Energy Efficient Time Synchronization in WSN, By LAMBERT(LAP) academic publications.ISBN:978-620-2-79388-9. (Complete Book)
- 3. Advances in Intelligent Systems and Computing, Vol 347 , Springer,(one chapter.).
- 4. Emerging Research in Computing,Information ,Communication and Application,Vol 1 Springer (one chapter.).

Journals (with citations)

- : 1. K.Nagarathna :” Block chain based Malware Detection using Machine Learning Algorithms for IoT enabled E-Health Applications.” International Journal for Innovative Engineering And Management Research (ijiemr) Vol 10 Issue 11, Nov 2021Page No. 73-82 ISSN 2456 – 5083 DOI: 10.48047/IJEMR/V10/I11/12
- 2. K.Nagarathna :” IoT combined with Block-Chain and 5G infrastructure for itsapplication and development : A Review” International Journal Of Engineering And Computer Science (ijecs)Volume 10 Issue May2021, Page No. 25327-25335ISSN: 2319-7242 DOI: 10.18535/ijecs/v10i5.4582. www.ijecs.in
- 3. K.Nagarathna : “ Energy-aware strategy for data forwarding in IoT ecosystem” International Journal of Electrical and Computer Engineering (IJECE) Vol. 10, No. 5, October 2020, pp. 4863~4871 ISSN: 2088-8708, DOI: 10.11591/ijece.v10i5.pp4863-4871 .
- 4. K.Nagarathna and J. D. Mallapur, :“ An Investigational Analysis of different Approaches and Techniques for Time Synchronization in Wireless Sensor Network”International Journal of Computer Applications (0975 – 8887) Volume 103 – No.5, October 2014, page No 18 – 28,
- 5. K.Nagarathna and J.D.Mallapur “TFTS:“A Novel Triple Factor Time Synchronization for Effective Routing in Large Scale WSN” An International Journal of Wireless Personal Communication(2016)(ISSN 0929-6212)Volume 87 Number 4,page No :1157–1173 , DOI 10.1007/s11277-015-3046-2
- 6. K.Nagarathna and J.D.Mallapur : “OTSA : Optimized Time Synchronization Approach for Delay -based Energy Efficient Routing in WSN ” An (IJACSA) International Journal of Advanced Computer Science and plications,Vol. 8, No. 4, 2017 , Digital Object Identifier (DOI) : 10.14569/IJACSA.2017.080446 . , page no:331-341.
- 7. K.Nagarathna and Renuka Bariker : “Design and Development of Adaptive Routing Algorithmto Reduce Distortion During Video Transmission” International Journal of Electronics and Communication Engineering and Technology.(IJECET)(ISSN Print: 0976-6464 and ISSN Online: 0976-6472) Volume 7, Issue 4, July-August 2016, pp. 01– 12, Article ID: ECET_07_04_001

Conferences

- : 1. K. Nagarathna and J.D.Mallapur : “LNLCS: Leveraging Network Lifetime using Clock Synchronization in Wireless Sensor Network” International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016, 978-1-4673-9939-5/16/\$31.00 ©2016 IEEE.
- 2. K. Nagarathna and J.D.Mallapur : “An Optimized & On-Demand Time Synchronization in Large Scale Wireless Sensor Network: OOD-TS “ © Springer India 2015 N.R.Shetty et.al.(eds) . Emerging Research in Computing Information and Communication and Applications ,DOI 10.1007/987-81-322-2550-8-29
- 3. K.Nagarathna and J.D.Mallapur: “E2TS: Energy Efficient Time Synchronization Technique in Large Scale Wireless Sensor Network “ © Springer International Publishing Switzerland 2015 R. Silhavy et al.

(eds.), Artificial Intelligence Perspectives and Applications, 225 Advances in Intelligent Systems and Computing 347, DOI: 10.1007/978-3-319-18476-0_23

4. J. D. Mallapur, M. I. Sataraddi, S. C. Hiremath and K. Nagarathna: "Priority Based Scheduler for Bluetooth Network", Proceedings of International Conference on Advances in Communication, Computing and Control, (ICAC3), 18th - 19th January 2013, Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, CCIS 361, pp. 356-365.
5. J D. Mallapur, Kiran Y. B, K.Nagarathna, S. Hiremath: "Trust Based Secured Routing in Wireless Multimedia Sensor Networks" Fourth International Conference on Computational Intelligence, Communication Systems and Networks, 24 - 26 July Pucket , pp 53-58, 2012.

Events Organized

- : 1. SDP in Campus on PCB design, 18 -19 May, 2015 funded by TEQIP – II.

**Conferences/ Symposiums/
Workshops/ Training
Programs Attended**

- : 1. Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 12 July, 2021 to 16 July, 2021
2. Artificial Intelligence National Institute of Technology Kurukshetra. Five days 2020-9-26 to 2020-9-30
 3. Artificial Intelligence Vellore Institute of Technology, Vellore Five days 2020-9-21 to 2020-9-25
 4. Next Generation Electronics and Computer Networks BKIT, Bhalki Five days 2020-6-2 to 2020-6-6.
 5. Digital Transformation In Teaching Learning Process NPIU TEQIP-3 IIT Bombay, Two Weeks Feb 14th To March 6th 2020.
 6. Machine Learning & Artificial Intelligence ELECTRONICS & ICT ACADEMY National Institute Of Technology WARANGAL(T.S), INDIA. Sphoorthy Engineering College One week 2nd Dec – 7th Dec 2019.
 7. NPTEL workshop IIT Madras One day 29th Nov 2019
 8. Honour Code CERTIFICATE IIT Bombay Eight months 01 May 2019 TO 31 Dec 2019
 9. FDP on "IOT & Embedded System Design" In Association with Ministry of Electronics & Information Technology (MeitY), Government of India Electronics & ICT Academy IIT Guwahati, and TI University Programme of DIGITAL SHARK TECHNOLOGY.
 10. Five days 24- 28th September, 2018 Faculty Development Programme IIT Madras Three days 12-14 Sep 2016.
 11. Telecom Management: Current and Emerging IIT Delhi Two days 20-21 Aug 2015
 12. Training on rapid simulation and performance evaluation of current and future networks construct's Nihon Communication solutions, Bangalore Two days 19-20 Feb 2012.
 13. Advances in DBMS and Future Allied Research Avenues KLE Institute of Technology, Hubli Three Days 24-26 Feb 2011
 14. Training Of Trainers on Entrepreneurial Motivation SDMCET , Dharwad One Day 8 th Oct 2010.
 15. Multicore Programming Intel Centre , Bangalore Three Days 27-29 Jan 2010
 16. Web Programming BIET, Davanagere Three days 25-27 June 2009.
 17. Research Opportunities in the area of Digital Image Processing, SDMCET , Dharwad. Three Days 13-15 March 2009.
 18. Work shop on embedded systems using Microcontroller. BVB Hubli Five Days 18-22 ec 2008
 19. Introduction to Quantum Computers and Algorithms. SDMCET ,

- Dharwad One day 17th May 2008.
20. Networking Technology (WONET) BVBCET, Hubli Three Days 29-31 Oct 2004