




/K. S. INSTITUTE OF TECHNOLOGY

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

Faculty Name	Deepa .S.R	
Designation	Professor and Head	
Educational Qualification	BE, MTech, Ph.D	
Experience in Years	Teaching: 22 Years	
Areas of Interest	Wireless Sensor Network, IoT, Machine learning	
E-mail	deepasr@ksit.edu.in	

Educational Details

Examination/ Degree	College / University	Year of Passing
UG	VTU	2002
PG	VTU	2009
PhD	VIT, Chennai	2020

Publications

International Journal Publications:

Scopus Indexed publication-Scopus Author ID 57197219418, Google Scholar ID-f7pKuIIAAAJ, ORCID 0000-0002-2071-9050

1. Deepa S.R, Rekha D, Cluster Optimization in Wireless Sensor Network based on Optimized Artificial Bee Colony Algorithm, IET Networks- Wiley, 1-9, 2021, <https://doi.org/10.1049/ntw2.12023>
(Scopus indexed, Q2,ISSN: 2047-4962 H-index:21, Impact factor: 3.1)
2. Deepa S.R, Rekha D , Bacterial Foraging Optimization-Based Clustering in Wireless Sensor Network by Preventing Left-Out Nodes. In: Mandal J., Sinha D. (eds) Intelligent Computing Paradigm: Recent Trends. Studies in Computational Intelligence, Springer nature, Singapore, vol 784. pp. 43-58, 2020, DOI: 10.1007/978-981-

13-7334-3_4

(Scopus indexed, Q4, ISSN 1860-9503 H-index:68, Impact factor: 0.86)

3. Deepa S.R, Rekha D, Cluster optimization in Wireless sensor networks using particle swarm optimization. Social Transformation – a Digital way, CCIS-Springer, Volume 836, pp 240-253, 2018 https://doi.org/10.1007/978-981-13-1343-1_23

(Scopus indexed, Q3, ISSN 1865-0937 H-index:51, Impact factor: 0.47)

4. Dr.Jyothi R, Dr. P Priyanga, Prof. Veena V Pattankar, Prof.Kavitha D H, Dr. Deepa .S. R Prediction of Chronic Kidney Disease using Fine Tune Based SVM in the Internet of Things, Neuro Quantology,| November 2022, Vol. 20, Issue 15, pp 7430-7443. [ISSN: 1303-5150]

DOI: [10.48047/NQ.2022.20.15.NQ88744](https://doi.org/10.48047/NQ.2022.20.15.NQ88744)

(Scopus Indexed-Q4 and Web of Science (ESCI))

5. Vaneeta M, Deepa S R, Sangeetha V, Kamalakshi Naganna, Kruthika S Vasisht, Ashwini J, Nikitha M, Srividya H.R, Tamper Proof Air Quality Management System using Blockchain, International Journal of Advanced Computer Science and Applications (IJACSA), 2023, Vol. 14, No. 2, pp. 263-271

DOI : <http://dx.doi.org/10.14569/IJACSA.2023.0140232>

(Scopus Indexed-Q3 and Web of Science (ESCI))

6. Vaneeta M, Deepa S R, Jyothi R, Chaithra, Beena K, Malware Detection on Android Apps using RSLBO based Dense Network in Internet of Things, Neuro Quantology,| November 2022, Vol. 20, Issue 15, pp. 7444-7455. [eISSN 1303-5150]

DOI:[10.48047/NQ.2022.20.15.NQ88744](https://doi.org/10.48047/NQ.2022.20.15.NQ88744)

(Scopus Indexed-Q4 and Web of Science (ESCI))

UGC Care Journal Publications

1. Goutham, Dhananjaya S, Kiran V Dambal, Ganesh A, Deepa S R, A Survey on Hand Gesture Recognition for Differently Abled People, Journal of Emerging Technologies and Innovative Research (JETIR), 2022, Volume 9, Issue 4, pp 11-14 (ISSN-2349-5162)

2. R Pratiksha, Sourabh Santosh Kamble , Sudhanshu Joshi , Sujay G S, Deepa S R, BIRD SPECIES IDENTIFICATION - A SURVEY, Journal of Emerging Technologies and Innovative Research (JETIR), 2022, Volume 9, Issue 3, pp 15-17 (ISSN-2349-5162)
3. Kavitha S, Sharanya H, Rajashree Shivakumar, Dr. Deepa S R, Detection of Fake and Clone Accounts on Twitter, International Journal Of Scientific Research In Engineering And Management (IJSREM) Volume: 05 Issue: 07 |July - 2021 ISSN: 2582-3930
4. Nithya G , Karishma A J , Nethravathi K G, Sandhya K , Deepa S R, Automatic farming robot for smart and effective cultivation, International Journal of Creative Research Thoughts (IJCRT)”, ISSN: 2320-2882, Volume 8, Issue 2 February 2020, pp. 1000-1002
5. Nithya G , Karishma A J , Nethravathi K G, Sandhya K , Deepa S R, Automatic farming robot for smart and effective cultivation, June 2020 IJSDR, ISSN: 2455-2631 , Volume 5, Issue 6, pp.83-87.
6. Raghuram G N, Ritwik G S, Surya M, Suhil K M, Deepa S R , Autonomy Of Attendance Using Face Recognition, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume: 07 Issue: 06, June 2020, pp.2581-2584
7. Raghuram G N, Ritwik G S, Surya M, Suhil K M, Deepa S R, Autonomy Of Attendance Using Face Recognition, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume: 07 Issue: 02, Feb 2020, pp. 1234-1237.
8. Thanuja Murthy S, Sunitha K, Nikhila K, Rani S,Deepa S R, “Survey on Various Smart Parking Systems and Its Technology”, International Journal of Innovations in Engineering and Science, Vol. 3, No.2, 2018, e-ISSN: 2456-3463
9. Aditya. R , Anirudh. K. R , Karthik. K. , Mahinder. P , Deepa. S. R , “An Implementation of NFC based Restaurant Table Service”, IJIRCCE, ISSN(Online): 2320-9801, Vol. 5,

Issue 5, May 2017, pp 10740-10747.

10. R.Abhishek , K.Goutami , K.R.Gurudath , M.Nesar and S.R.Deepa ,“School Bus Monitoring System Using Raspberry Pi”, AJCST, Vol.6, No.2, July 2017, pp.1-4
11. Shailee, Pramodh B.S, Yashaswi Pratick, Deepa.S.R, QR Code Based navigation system for closed building using smart phones”, IJSEAS, volume2/issue-4,pp 369-372, 2016
12. Deepa S. R. , Girija Kumari T. , Nandini S. , Shwetha Rani N. “Feature Match:A general ANNF Estimation Technique and its applications”, IJIRD, Volume 5, issue 6, pp: 24-27, 2016

International Conference:

1. The Smart Factory of tomorrow : Artificial Intelligence and Machine Learning Reshaping Manufacturing Process, Intrenational Conference on Smart Technologies for Smart Nation (SmartTechCon 2023), Amity Global Institute, Singapore, 18-19 August 2023, pp. 1477-1481, doi: 10.1109/SmartTechCon57526.2023.10391663.
2. Contemporary Research Trends in Plant Leaf Disease Detection, *4th International Conference on Circuits, Control, Communication and Computing (I4C)*, Ramaiah Institute of Technology, Bangalore, India, 21-12-2022 to 23-12-2022, pp. 440-445. [ISSN: 2381-4128],
3. “Cluster formation in Wireless Sensor Networks”, 52nd Annual convention of CSI on SocialTransformation- Digital way , 19th January- 21st January 2018 at Kolkata.
4. “Hand Sign Communication System for Hearing Impaired” at AVS Engineering College,Salem, Tamilnadu Date:10th and 11th April 2015
5. “Design For HEVC Multimedia Streaming Over Wireless Networks Using Cross layerDesign Technique” at RNSIT Date: 30th &31st DEC 2011

National Conference:

1. "Gathering Data Using Mobile Nodes in Wireless Sensor Network – A Survey", NCACCT at Sai vidya Institute of Technology, 10th and 11th April 2015
2. "Weaning from mechanical ventilation using artificial neural network and genetic algorithm", National Conference on Computing, Communication and Technology (CCT-10), RVCE, Date 22nd and 23rd Jan 2010
3. "Comparative Analysis of Genetic Algorithm and gradient descent Algorithm in training ANN for Weaning Mechanical Ventilator" at New Horizon College Date: 4th NOV 2011.
4. "Opportunistic Cooperation Strategy For VANET", at Cambridge Institute of Technology 2nd & 3rd DEC 2011
5. "Near field Communication (NFC) based food ordering system" at NACoNIM-2017, K.S.I.T, 10th-11th April 2017 and won best paper award
6. "Raspberry Pi based school bus monitoring system with E-mail and SMS alert" at NACoNIM- 2017, K.S.I.T, 10th-11th April 2017
7. "Hand Gesture Recognition for Differently Abled People", National Conference on Recent Innovations in Engineering- NCRIE on 23rd and 24th June 2022 at K. S. Institute of Technology,
8. "Bird Species Identification", National Conference on Recent Innovations in Engineering- NCRIE on 23rd and 24th June 2022 at K. S. Institute of Technology,

CSI Convention

1. "Detection of Fake and Clone Accounts on Twitter" at 34th CSI Karnataka State Student Convention at KSIT from 22nd -23rd Dec 2020
2. "Cluster formation to improve lifetime of wireless sensor networks in the field of agriculture", 31stCSI Karnataka students convention from 13th -14th October 2017, CIT, Gubbi
3. "Near field Communication (NFC) based ordering system" at 30th CSI Karnataka Student Convention at KSIT from 10th to 12th Nov 2016

Awards

1. Young Achiever Award by IEAE in the year 2019
2. Longest Continuous SBC award by CSI in the year 2018.

Patents

Indian patent

1. “Ergonomically designed Helmet with Natural oxygen for prevention from air borne diseases & IOT for Health monitoring”, Application Number: 202041032685 Date of Filing: 30/07/2020.
2. Method for plant disease detection using machine learning and methods thereof, Application Number: 202141010619, Date of Filing: 12/03/2021
3. Ceiling Fan, Design Patent granted for 8 years, 7-12-2021, Design Number:352085-001

Australian patent

“Robo Care Taker”, Granted with IP Right number 2021100004, Date of Filing: 1-1-2021.

GRANTS OBTAINED:

1. Obtained a grant of Rs. 1,00,000 from AICTE under the scheme SPICES
2. Obtained a grant of Rs. 5000 from VTU under VTU Sponsored Student Project Proposal for Financial Assistance 2022 for the project Hand Gesture Recognition for Differently Abled People.

Professional Body Membership:

1. Life Member ISTE,
2. IAENG,
3. CSI Member,
4. IEI

Contact Details

Name: Deepa .S.R

Official Address: K. S. Institute of Technology, #14, Kanakapura road, Raghuvanahalli, Bengaluru-560109.

Phone Nos: 9880101980

Alternate Email: deepaprashanth.g@gmail.com

