




## K. S. INSTITUTE OF TECHNOLOGY

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

<b>Faculty Name</b>	Dr. Deepa .S.R	
<b>Designation</b>	Associate Professor	
<b>Educational Qualification</b>	BE, MTech, Ph.D	
<b>Experience in Years</b>	Teaching: 18 Years	
<b>Areas of Interest</b>	Wireless Sensor Network, IoT, Artificial Intelligence & Machine Learning	
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Educational Details		
Examination/ Degree	College / University	Year of Passing
UG	VTU	2002
PG	VTU	2009
PhD	VIT, Chennai	2020

Publications
<b>Journal Publications:</b>
<b>International Journal : Scopus Indexed publication-Scopus Author ID 57197219418</b>
1. Deepa, S.R. and Rekha, D., 2018. Cluster optimization in Wireless sensor networks using particle swarm optimization. Social Transformation – a Digital way, CCIS-Springer, Volume 836, pp 240-253.
2. Deepa, S.R. and Rekha, D., 2020. 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.
3. Deepa .S.R and Rekha .D, Cluster Optimization in Wireless Sensor Network based on Optimized Artificial Bee Colony Algorithm, IET Networks- Wiley, 2021, 1-9, <a href="https://doi.org/10.1049/ntw2.12023">https://doi.org/10.1049/ntw2.12023</a>
<b>UGC Care Publication</b>

4. 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
5. 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
6. 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.
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: 06, June 2020, pp.2581-2584
8. 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.
9. 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
10. 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.
11. 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

12. 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

13. 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. “Cluster formation in Wireless Sensor Networks”, 52nd Annual convention of CSI on Social Transformation- Digital way , 19th January- 21st January 2018 at Kolkata.

2. “Hand Sign Communication System for Hearing Impaired” at AVS Engineering College, Salem, Tamilnadu Date:10th and 11th April 2015

3. “Design For HEVC Multimedia Streaming Over Wireless Networks Using Cross layer Design 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

#### **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", 31st CSI 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. Gold medal by vasavi union in the year 2010.
2. Longest Continuous SBC award by CSI in the year 2018.
3. Young Achiever Award by IEAE in the year 2019

### **Professional Membership**

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

### **Contact Details**

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