

PROFILE

Name	Dr. SANDEEP KUMAR
Position & Affiliation	Professor & HOD, Department of CSE(IOT & Cyber Security with Block Chain Technologies)
Areas of Interest	IoT and Embedded Systems, Remote Sensing Image Processing, Machine Learning
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Scopus ID	
Professional Webpage (if any)	

Educational Qualifications:

Ph.D	Visveswaraya Technological University	India	2023
MTech	Mysore University	India	2006
BE	Mangalore University	India	1998

Areas of Research:

Remote Sensing Image Classification, Computer Vision, IoT Network Deployment Challenges

Brief Profile: (write about yourself)

Completed M.Tech and PhD in Computer Science and Engineering. Has over twenty four years of Academic and Global Teaching Experience. The areas of interest are Computer Vision, Embedded Systems, Computer Networks. Working as as an Adjunct Professor at BITS Pilani University and. Earlier was associated with WIPRO, Bangalore. Had a prior position as Assistant Professor at the department of CSE, R .V.College of Engineering Bangalore. Associated with CiTech from August 2009 onwards.

Add about setting up labs and consultancy (if any)

Guiding students at various levels (BE, MTech and PhD)

Awards/Achievements/Others:

Courses Taught: Compiler Design, Computer Networks, Wireless Sensor Networks, Data Structures and Algorithms, Microprocessor and Microcontrollers, Embedded Systems, Computer Organization and Architecture. Machine Learning, IOT Fundamentals and Protocols.

Publications/Patents:

Publications

- “MEALNET- HOMEMADE FOOD DELIVERY SYSTEM WITH GEO-LOCATION BASED RECOMMENDATION AND INTELLIGENT VOICE RECOGNITION AIDBOT” published in Journal of Emerging Technologies and Innovative Research, 2023, DOI: https://www.jetir.org/trackauthorhome.php?a_rid=525986
- “ Detection of Melanoma Using Distinct Features” , published in Journal For Research in Applied Science and Engineering Technology, 2023, DOI: <https://doi.org/10.22214/ijraset.2023.55189>
- “Fruit Fly-Based Artificial Neural Network Classifier with Kernel-Based Fuzzy C-Means Clustering for Satellite Image Classification” ,International Journal of Image and Graphics, ISSN (print): 0219-4678 | ISSN (online): 1793-6756, 2020, DOI <https://www.worldscientific.com/doi/abs/10.1142/S0219467820500163>.
- "UFS-LSTM: Unsupervised Feature Selection with Long Short-Term Memory Network for Remote Sensing Scene Classification", journal Evolutionary Intelligence published by Springer Nature, 2020, DOI: <https://link.springer.com/article/10.1007/s12065-021-00660-4>. (q2 , web of science)
- "Remote Sensing Scene Type Classification Using Multi-Trial Vector-Based Differential Evolution Algorithm and Multi-Support Vector Machine Classifier", published in the journal International Journal of e-Collaboration (IJeC) with Volume 18, Issue No 1 with Impact factor 2.15 and year of publication July 2022 published by IGI Global Academic Publisher with DOI:10.4018/IJeC.301259. (Web of science, Q3, Scopus Indexed)
- " Classification Of Objects In Remotely Sensed Images Using Custom Convolution Neural Network", published in the GIS Science Journal with Volume 9, Issue 6, 2022, DOI: 20.18001.GSJ. 2022.V9I6.22.39457.
- “ Detection and Classification of Objects in Satellite Images using Custom CNN”, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT), 2021, DOI : 10.17577/IJERTV10IS060287
- “Credit Card Fraud Detection Using Machine Learning”, International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.9, Issue 6, page no. j448-j453, June-2022, DOI :<http://www.jetir.org/papers/JETIR2206960.pdf>.
- “Content Based Image Retrieval Using Dot-Diffused Block Truncation Coding Features”, IJETST- Vol.03, Issue 08, pages 4468-4473,A 2016 DOI:10.18535/ijetst/v3i08.08

	<ul style="list-style-type: none"> • “Optimizing Content Based Image Retrieval in P2P Systems in IJRET Journal, Volume 3, Issue 5, May 2014. • ” Optimizing Image Reranking Using Multimodal Sparse Coding” IJER, Volume 5, Issue 3. May 2015. • “Semantic Image Segmentation by Deep Convolution Nets and Watershed Transformation” , IJRCCE, Vol. 5, Issue 5, May 2017. • ” A Survey on Fuzzy C-means Clustering Techniques “ IJEDR Volume 5, Issue 4 ISSN: 2321-9939, 2017. • “Satellite image segmentation using Fuzzy C- means clustering with weighted image patch”2018 IJCRT Volume 6, Issue 2 April 2018 ISSN: 2320-2882. • “A Survey on Clustering Algorithms used to Perform Image Segmentation” ISSN: 2454-132X ,(Volume3, Issue1).
Patents	<p>Patents Granted: BLOCKCHAIN-POWERED SECURE DATA EXCHANGE DEVICE FOR AI-DRIVEN CYBER THREAT INTELLIGENCE in the name of 1.Dr. Manjunatha S 2. Dr. Preethi S 3.Dr. Suma R 4.Mrs. Sridevi K N 5.Dr. Sandeep Kumar 6.Dr. Bharani B R 7.Dr. Jayathi M G 8.Dr. Manjunath K V</p> <p>Granted: AI-Driven Blockchain Authentication Device for Secure Cloud Access Control, Dr. Sandeep Kumar, Dr. Bharani Basapathy Rudra, Dr. Muniram Gajendrasingh Jayanthi , Dr. Preethi Srinivasalu, Mrs. Sridevi Kottapalli Narayanaswamy, Dr. Suma Ramachandra Chary, Dr. Manjunatha Srinivasappa, Dr. Manjunath Kysambally Venkatesh</p> <p>Published : SECUREBIGDATA- AN AI-ENABLED BLOCKCHAIN FRAMEWORK FOR BIG DATA ANALYTICS WITH ENHANCED CYBERSECURITY 1)Dr. Jayathi M G,2)Mrs. Sridevi K N,3)Dr. Preethi S,4)Dr. Bharani B R,5)Dr. Suma R,6)Dr. Manjunatha S,7)Dr. Sandeep Kumar,8)Dr. Manjunath KV</p> <p>Published : SYSTEM AND METHOD OF STABILIZING SPOON AND PATIENT ANALYSIS FOR PARKINSON’S DISEASE,</p>
Book/Book	

Chapters	
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Research and Consultancy: