Dr Prashanth G K

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Education

	Degree	Year	Institute	Specialization
1	BSc	2002	Vijayanagar College, Hospet	Electronics
2	MCA	2005	Siddaganga Institute of Technology	
3	PhD	2018	Siddaganga Institute of Technology	Digital Image Processing

Professional Experience

	Date (from-to)	Designation	Organization
1	2006 to till date	Assistant Professor	Siddaganga Institute of Technology

Courses Taught

Undergraduate Courses
- Object Oriented Programming
- Data Structures Using C
- Operating System

Postgraduate Courses
- Object Oriented Programing with C++
- Software Testing
- Professional Communication and Ethics
- Advance Unix System Programming
- Problem Solving Using C
- Software Project Management
- Mobile Application Development
- Object Oriented Programming with Java

- Cloud Computing using AWS
- Software Engineering
- Software Engineering & Project Management
- Digital Marketing

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion
1.	Vinutha H R	Plant Diseases & Pest Detection Using State Of Art Deep Learning Techniques	
2.	Sharanapapa Amaragatti	Artificial Intelligence techniques to Secure Devops from Privilege attack Escalations	
3.	Santosh Belagalli	Automation of Security Components on Finance web Services using Artificial Intelligence Techniques	

Research Areas
- Image Processing and Pattern Recognition
- Computational Biology, Machine Learning
- Software Testing
- Project Management
- Pattern Recognition
- Deep Learning Neural Network
- Video Processing
- Mobile Application Development

Publications

Journals (Scopus Indexed)

- Optimisation of Defluoridation of Waterby Zirconia Nanoparticles Using RSM, Asian Journal of Water, Environment and Pollution, Vol. 19, No. 6 (2022), pp. 75-84. DOI 10.3233/AJW220091
- Optimal Placement of Hybrid Wind-Solar System Using Deep Learning Model, Hindawi International Journal of Photoenergy Volume 2022, Article ID 2881603, 7 pages https://doi.org/10.1155/2022/2881603
- Clustering of ears based on similarity metrics for personal identification", International Journal of Applied Engineering Research, vol. 10, no.12 pp. 30927-30942, 2015.

- Inertia Based Ear Bio metrics: A Novel Approach", Journal of intelligent systems, De_Gruiter publications, advanced online publication, June 2016.

Conference Proceedings (Scopus Indexed)

- Mobile Technology for Efficient Lost and Found Item Retrieval using GIS Based Approach, 3rd International Conference on Smart Systems for applications in Electrical Sciences (ICSSES) , 21-22 March 2025 , SIT, Tumkur, India
- Drug Recommendation System Using Machine Learning, International Conference on Smart Systems for Applications in Electrical Sciences -2024 held at SIT, Tumakuru on 3rd and 4th May 2024.
- Fruits and Vegetable Disease Detection using Deep learning , 2nd International Conference on Integrated Intelligence and Communication Systems (ICIICS-2024), organized by Sharanabasava University, Kalaburagi, on 22 -23rd November 2024.
- Optimizing Data Extraction with UiPath: A Web Scraping Conclusion, 8th International Conference on Computational Systems & Information Technology for Sustainable Solutions (CSITSS), held from 7th to 9th November, 2024 RV College of Engineering, Bangalore.
- An Effective Analysis of Tomato Plant Leaf Disease Identification Using Deep Learning, 2024 International Conference on Data Science and Network Security (ICDSNS), 26-27 July 2024, KIT, Tiptur, India
- An Efficient Hybrid Red Panda Optimization-Similarity-Navigated Graph Neural Network with Blockchain Technology for Shared Electric Vehicle Charging, 4th International Conference on Sustainable Expert Systems, ICSES 2024 - Proceedings, ICSES 2024Kaski15 October 2024through 17 October 2024.
- Ear Based Age Recognition System Using ANN, International Conference on Integrated Intelligence and Communication Systems (ICIICS-2023), organized by Sharnabasava University, Kalaburagi, 24th -25th November 2023.
- Identification of Indian Traffic Signs Using Artifical Neural Network, International Conference on Integrated Intelligence and Communication Systems (ICIICS-2023), organized by Sharnabasava University, Kalaburagi, 24th -25th November 2023.
- Skin Disease Prediction Using Machine Learning Techniques, 2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC), organized by department of Electronics & Telecommunication Engineering,SSIT, Tumkur 4th -5th December 2023.
- Lake Ice Infrared Image De-noising using Deep Learning Convolutional Neural Network, 4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022, 2022.
- Plant foliage Recognition based on Classification using Artificial Neural Network, 4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022, 2022.
- Enhanced Thyroid Nodule Classification Adopting Significant Features Selection, 4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022, 2022.

- Personal Identification by Capturing Ear Geometry through convex hull, International Conference on Networking, Embedded and Wireless Systems (ICNEWS- 2018), Department of Electronics and Communication, BMS College of Engineering, Bangalore during 27 - 28 December 2018.

International Journals (Non-Scopus Indexed)

- Identification of Indian Road Signs Using Soft Computing Techniques, International Journal of Multidisciplinary Research in Science, Engineering and Technology, Volume-4 issue-8 August 2021, DOI: 10.15680/IJMRSET.2021.0408008, Impact Factor of 5.928.
- Identification of Rupees using Texture and Soft Computing Techniques, International Journal of Innovative Research in Computer and Communication Engineering, Volume-9 issue-8 August 2021 , ISSN (Online): 2320-9801, DOI: 10.15680/IJIRCCE.2021.0908006, Impact Factor of 7.542.
- Color Edge Exposure in Digital Image Processing and Analysis of the filters, International Journal of Innovative Research in Computer and Communication Engineering, e-ISSN: 2320-9801, p-ISSN: 2320-9798| www.ijircce.com | |Impact Factor: 7.488, Volume 9, Issue 2, February 2021, DOI: 10.15680/IJIRCCE.2021.0902039.
- Handwritten Character Recognition Using Soft Computing Technique, ISSN [ONLINE]: 2395-1052, IJSART - Volume 6 Issue 6 – JUNE 2020
- Capturing Ear Geometry through Convex Hulls: Development of Personal Identification System, International Journal of Applied Research on Information Technology and Computing (IJARITAC) Vol. 10, No. 2, May - Aug 2019.
- Posture Invariant Personal Identification System Using Convex Hulls: Ear Biometrics, Asian Journal of Research in Computer Science, 2(4): 1-18, 2018; Article no. AJRCOS.47705
- K-Means and FCM Hybrid Clustering for Personal Identification: Ear Biometrics, International Journal of Applied Research on Information Technology and Computing (Vol. 08, No. 3, Dec 2017) Issue.
- Fuzzy Inference System Aided Personal Detection: Ear Biometrics, International Journal of Innovative Research in Computer Science & Technology (IJIRCST) ISSN: 2347-5552, Volume-4, Issue-5, September-2016.
- Determination of Brinell Hardness of Metals through image processing, International Journal of Applied Research on information Technology and Computing,(IJARITAC), Vol. 7, issue 2, May–August 2016, ISSN 0975-8070, Print online ISSN 0975-8089.
- Texture Based Flower Species Classification Using Neural Network, International Journal of Advance Foundation and Research in Computer (IJAFRC) Volume 3, Issue 6, June - 2016. ISSN: 2348 – 4853, Impact Factor – 1.317.
- Factor Analysis Assisted Classification of Ear Images Based on GLCM Features, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 5, Issue 2, March - April 2016, ISSN 2278-6856.

- Cluster Based Ear Biometric System for Personal Identification an Exploitative Approach, Journal of Multidisciplinary Engineering Science and Technology (JMEST) ISSN: 3159-0040, Vol. 2 Issue 12, December - 2015.
- Cascaded KNN-BPN for Classification of Ears based on Shape Measures for Person Identification, International Journal of Computer Applications, volume 124, number 8, 2015.
- Classification of Ear Biometric Data using Support Vector Machine", British Journal of Applied Science & Technology 11(1): 1-10, 2015, Article no.BJAST.19509 ISSN: 2231-0843.
- Indexing of Ears using Radial Basis Function Neural Network for Person Identification", International journal of advanced computer applications, Volume 6 Issue 7 July 2015. (Listed with Thomson Reuters).
- Self-Organized Grouping of Ears Based on Inertia Related Bio metrics using Kohonen's Feature Map, American Journal of Intelligent Systems, Volume.5 Issue 2, 2015.

Editorial in chief

- International Journal of Artificial Intelligence, Machine Learning and Intelligent Systems

Editorial Board Member

- International Journal of Internet of Things and Smart Computing Environment

Reviewer of Journals

- Computer Science and Information Technology: Interdisciplinary Applications - Computer Science (IAC)

Reviewer of Conference

- International Conference on Intelligent Computing and Knowledge Extraction organized by School of Engineering and Technology, CMR University, Bengaluru, 6 to 7th June 2025
- 4th IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2025) organized by IEEE & Ballari Institute of Technology & Management, Ballari, 25-26 April 2025.
- International Conference on Smart Systems for Applications in Electrical Sciences -2025 held at SIT, Tumakuru on 21st & 22nd March 2025.
- International Conference on Intelligent Systems and Computational Networks (ICISCN-2025), organized by Lingraj Appa Engineering College Bidar, 24-25th January 2025.

- Fourth International Conference On Advanced Network Technologies And Intelligent Computing(ANTIC 2024), 19-21 December, 2024, Organized By Department Of Computer Science Institute Of Science Banaras Hindu University Varanasi, India.
- Fourth IEEE International Conference on Mobile Networks and Wireless Communication (ICMNWC-2024) Organized by Department of Electronics and Telecommunication Engineering, Sri Siddhartha Institute of Technology, Tumkur in association with IEEE Bangalore Section during 4th to 5th December 2024.
- International Conference on Smart Systems for Applications in Electrical Sciences -2024 held at SIT, Tumakuru on 3rd and 4th May 2024.
- Third International Conference On Advanced Network Technologies And Intelligent Computing(ANTIC 23), 20-22 December, 2023, Organized By Department Of Computer Science Institute Of Science Banaras Hindu University Varanasi, India.
- First IEEE International Conference on Integrated Intelligence and Communication Systems(ICIICS-23), organized by Sharnbasava University, Kalaburagi, 24-25th November 2023.
- Second International Conference On Advanced Network Technologies And Intelligent Computing, 22-24 December, 2022, Organized By Department Of Computer Science Institute Of Science Banaras Hindu University Varanasi, India.
- AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology(NMITCON) is organized at Nitte Meenakshi Institute of Technology, Bangalore India During 1st and 2nd September 2023.
- International Conference on Sustainable Materials, Manufacturing and Industrial Engineering(ICSMMIE) 2022, Organized by the Department of Industrial Engineering and Management, Siddaganga Institute of Technology, Tumakuru, India During 1-2 July 2022.
- International Conference On Advanced Network Technologies And Intelligent Computing, 17-18 December, 2021, Organized By Department Of Computer Science Institute of Science Banaras Hindu University Varanasi, India.