



Dr. Asha Gowda Karegowda
Associate Professor,
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Dr. Asha Gowda Karegowda received M.CA degree from Bangalore University, Karnataka in 1998, M.Phil degree from Madurai Kamraj University, Tamil Nadu, 2008, Ph.D in Computer Science in the year 2013 from Visvesvaraya Technological University, Belgaum, Karnataka.

Currently working as Associate Professor, in the Department of Master of Computer Applications, Siddaganga Institute of Technology, Tumkur, Karnataka since 1998.

Ph. D Thesis Title: "Soft Computing Applications for Medical Data Mining: With Special Reference to Diabetics"

Research Interest

- **Data mining**
- **Digital Image Analysis and Processing**
- **Evolutionary Computing Techniques**
- **Data Analytics**

Experience

- **Teaching experience : 19+ yrs at PG Level**
- **Research experience : 10 yrs at Ph.D level**

Beyond Teaching:

a)Referee/Conference Chair/Member/ Coordinator

- **Editorial board member** for International Journal on Soft Computing (IJSC) airccse.org/journal/ijsc/
- **Reviewer board member** of Aloy Journal of Soft Computing and Applications (www.ajscsca.org)
- **Editorial board member** for International Journal of Advanced Foundation and Research in Computer IJAFRC (Monthly Free Journal)
- **Editorial/Reviewer Board Member** of International Journal of Advanced Technology and Engineering Exploration (IJATEE)
- Reviewed papers for Journal of Intelligent Systems
- **Session Coordinator** in 4th and 5th Indian International Conference on Artificial Intelligence", SIT, Tumkur, during 2009 and 2011.
- **Session chair** National Conference on Recent Trends in Compute Science, 8th October 2015, Dept. of Computer Science, University College of Science, Tumkur University, Tumkur.
- **Session chair** for International Conference on Research in Business management & Information Technology (ICRBIT - 2015), April 29 – 30, 2015 , RNSIT, Bangalore.
- **Session chair** for National Conference on Advances in Computer Applications (NCACA-2015), 5th and 6th of October 2015, Sri Siddhartha Institute of Technology, Maralur, Tumkur.
- **National Advisory committee member** for UGC sponsored National conference on Recent Trends in applications of Mathematics and Computing, July14-15,2016, Sree Siddaganga College of Arts, Science and Commerce for Women (SSCASCW), Tumkur.
- **Session chair** for for UGC sponsored National conference on Recent Trends in applications of Mathematics and Computing,

July14-15,2016, Sree Siddaganga College of Arts, Science and Commerce for Women (SSCASCW), Tumkur.

- **Session chair** for Second IEEE International Conference on Emerging Computations & Information Technologies, ICCIT 2017, 15-16 th Dec 2017, Siddaganga Institute of Technology, Tumkur.
- NAAC coordinator, Dept of MCA, Siddaganga Institute of Technology, Tumkur.
- Workshop Coordinator for in-house Faculty development program, Dept of MCA, Siddaganga Institute of Technology, Tumkur.
- Department Seminar evaluation committee member, Department Project evaluation committee member, Dept of MCA, Siddaganga Institute of Technology, Tumkur.
- Workshop Coordinator for 2 days in-house training program on Mobile Application development for V sem MCA students held on 1st to 3rd Sept 2018, Dept of MCA, Siddaganga Institute of Technology, Tumkur.

b)Member in University Bodies/ Autonomous Institutes

- **Board of Examiner member** Dept. of MCA, **Sri Siddhartha Institute of Technology, Maralur**, Tumkur.
- **Board of Examiner member** Dept. of MCA, **BMCE, Bangalore**
- **Board of Study and Board of Examiner member**, Dept. of MCA, **Siddaganga Institute of Technology**, Tumkur.
- **Board of Study member** Dept. of MCA, **Sri Siddhartha Institute of Technology, Maralur**, Tumkur.

Invited Talks:

- **Key note speaker** for UGC sponsored National conference on Recent Trends in applications of Mathematics and Computing, July14-15,2016, Sree Siddaganga College of Arts, Science and Commerce for Women (SSCASCW), Tumkur.
- **Invited talk on Data structures and Operating system**, in Vidya Vahini First grade college, Tumkur, Karnataka
- **Invited talk on Data structures** in First grade Government college, Tiptur, Karnataka.

- **Invited talk on Data mining trends** in Siddaganga Co-ed First grade college, Tumkur, Karnataka.
- **Resource person** for 5 day workshop for faculty, on **Data Analytics using R** in Siddaganga Institute of Technology, Dept of MCA and ISE, Tumkur
- **Resource person** for 2 day workshop on **Data Analytics using R** in Bapuji Institute of Technology, Dept of MCA , Tumkur
- **Invited talk on Data structures and Operating system**, in Vidya Vahini First grade college, Tumkur, Karnataka
- **Invited talk on Data structures** in First grade Government college, Tiptur, Karnataka.
- **Invited technical talk on " IOT – Life simplified using connected objects"**, Science forum, 17th Jan 2018, First grade Government college, Tiptur, Karnataka.
- **Resource person** for inhouse workshop for faculty on Data Analytics using R in Siddaganga Institute of Technology, Dept of Computer Science and Engineering, Tumkur.
- **Resource person** for one UGC_CPE sponsored Skill Development one day workshop on "Programming on Python" held on 23rd July 2018, Department of Computer Science, University College of Science, Tumakuru.
- **Expert talk** on “ Data Mining”, Dept. of BCA, ASC college, Bangalore on 1st August 2018.
- **Invited talk on Data mining trends** in Siddaganga Co-ed First grade college, Tumkur, Karnataka.
- **Resource person** for 2 day workshop on Data Mining using R, 27-28th August 2018, Dept. of MCA, Sri Siddhartha Institute of Technology, Maralur, Tumkur.

Books Published

1. Data Structures using C – a simple approach, (for diploma students) Sapna Publications (ISBN: 978-93-87308-19-0)
2. Analysis and Design of Algorithms- A Fundamental approach, (for diploma students) ,Sapna Publications (ISBN: 978-93-87308-72-5)
3. Learning C programming. The Easiest way for I/II sem BE students as per VTU syllabus , Samruddhi Publishers (ISBN: 978-81-938657-0-5)
4. Data structures using C for BCA and BSC (in Press yet to released)
5. Programming in C for BA students as per Tumkur university syllabus(in Press yet to be released)

Articles published

Publications in International Journals: (43)

- [1]** Asha Gowda Karegowda, M.A. Jayaram, Dr A.S. Manjunath , "Feature Subset Selection Problem using Wrapper Approach in Supervised Learning", .International Journal on Computer Applications(IJCA) Impact factor 0.8) Vol. 1 , 2010 Feb,pp 13-17.
- [2]** Asha Gowda Karegowda, A.S. Manjunath, M.A. Jayaram, ,"Comparative Study of Attribute Selection using Gain Ratio and Correlation based Feature Selection", International Journal of Information Technology & Knowledge Management,(IJTKM) Vol 3(2), July-Dec 2010,pp 271-277.
- [3]** Asha Gowda Karegowda, M.A. Jayaram, A.S. Manjunath , "Combining Akaike's Information Criterion (AIC) and the Golden-Section Search Technique to find Optimal Numbers of Nearest Neighbors, International ", International Journal of Computer Applications (IJCA Impact factor 0.8) Vol. 2, May 2010 Edition.
- [4]** Asha Gowda Karegowda, Rakesh Kumar Singh M.A.Jayaram A.S .Manjunath, "Improving Weighted K-Nearest Neighbor Feature Projections Performance with Different Weights Assigning Methods ", International Journal of Computational Intelligence Research, Vol. 6, Number 4, PP 725-730 (ICCI 2010) (Special Issue of International Conference on Computational Intelligence Organized by GR Govindarajulu School of Applied Computer Technology, Coimbatore, India December 9 – 11, 2010.)
- [5]** Asha Gowda Karegowda , A.S. Manjunath , M.A. Jayaram "Application Of Genetic Algorithm Optimized Neural Network Connection Weights For Medical Diagnosis Of Pima Indians Diabetes", International Journal on Soft Computing (IJSC), Vol.2, No.2, May 2011,pp15-23.
- [6]** Asha Gowda Karegowda, M.A.Jayaram A.S .Manjunath, "Feature Subset Selection using Cascaded GA & CFS: A Filter Approach in Supervised Learning. International Journal on Computer Applications(IJCA) Vol. 1 , 2011 June, pp.1-5. (Impact Factor 0.835)
- [7]** Asha Gowda Karegowda, Sudeshna Bhattacharya, , M.A.Jayaram , A.S .Manjunath, "Exudates Detection in Retinal images using KNNFP and WKNNFP Classifier ", CiiT International Journal of Artificial Intelligent Systems and Machine Learning , July 2011(Print: ISSN 0974 – 9667 & Online: ISSN 0974 – 9543 (Impact factor 0.763))
- [8]** Asha Gowda Karegowda, Asafia Nasiha , M.A.Jayaram A.S .Manjunath, "Exudates Detection in Retinal Images using Back Propagation Neural Network" International Journal on Computer Applications(IJCA) 25(3):25-31 2011 July. (Impact Factor 0.835)
- [9]** Asha Gowda Karegowda , M.A. Jayaram, A.S. Manjunath ,"Cascading K-means Clustering and K-Nearest Neighbor Classifier for Categorization of Diabetic Patients" , International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Vol.-1, Issue-3, February 2012.

- [10] Asha Gowda Karegowda , M.A. Jayaram, A.S. Manjunath ,Punya , " Rule Based Classification for Diabetic Patients Using Cascaded K-Means and Decision Tree C4.5",vol45, issue-12, May 2012, International Journal on Computer Applications(IJCA) (Impact Factor 0.835)
- [11] Asha Gowda Karegowda, M.A. Jayaram, A.S. Manjunath " Cascading k-means with Ensemble Learning: Enhanced Categorization of Diabetic Data , Journal of Intelligent Systems , 23(3): 237-254, 2012. **Non paid journal**
- [12] Asha Gowda Karegowda, Vidya T. Shama, M.A. Jayaram and A.S. Manjunath, Genetic Algorithm Based Dimensionality Reduction for Improving Performance of K-Means Clustering: A Case Study for Categorization of Medical Dataset, International Journal of Soft Computing, 7: 249-255, 2012. DOI: 10.3923/ijscmp.2012.249.255
- [13] Asha Gowda Karegowda, Ajay Kumar, Applications of Cloud Computing: A survey, International Journal of Engineering Research and Technology, Vol. 1(02), 2013. (Through conference)
- [14] Asha Gowda Karegowda, "Enhancing BPN Performance using GA Identified Significant Features: A Case Study for Categorization of Heart Statlog Dataset", International conference on computing and Information Technology, 23-24 Sept 2013, Algappa Univerisy,Tamil Nadu., Published in International Journal of Computer Applications, pp – 39-42, Dec 13, 2014
- [15] Asha Gowda Karegowda, Enhancing BPN Performance using GA Identified Significant Features: A Case Study for Categorization of Heart Statlog Dataset, International Journal on Computer Applications(IJCA) Proceedings on International Conference on Computing and information Technology 2013 IC2IT(1),pp 1-4, December 2013.
- [16] Asha Gowda Karegowda, Mithesh Prasad, A Survey of Applications of Glowworm Swarm Optimization Algorithm, International conference on computing and Information Technology, 23-24 Sept 2013, Algappa Univerisy,Tamil Nadu, Published in International Journal of Computer Applications, pp – 39-42, Dec 13, 2014.
- [17] Asha Gowda Karegowda , Pushpa KR, Chitra M. "Color Histogram based Image Retrieval – A Survey ", International Journal of Advanced Research in Computer Science, Vol. 4, Number 11, pp.119-126, Nov-Dec 2013.
- [18] Asha Gowda Karegowda, M.A. Jayaram ,"Significant Feature Set Driven, Optimized FFN for Enhanced Classification ", International Journal of Computational Intelligence and Informatics ISSN: 2231-0258, Vol 2, No 4, pp. 248-255,Mar 2013. **Non paid journal**
- [19] Asha Gowda Karegowda , Seema Kumari, Particle Swarm Optimization Algorithm Based k-means and Fuzzy c-means clustering, , International Journal of Advanced Research in Computer Science and Software Engineering Vol. 3, Issue 7, pp. 446-451, July 2013 .
- [20] Asha Gowda Karegowda , Darshan M. "Optimizing Feed Forward Neural Network Connection Weights Using Artificial Bee Colony Algorithm", International Journal of Advanced Research in Computer Science and Software Engineering Vol. 3, Issue 7, pp. 452-454, July 2013 .

- [21] Sanket Kamat, , Asha Gowda Karegowda , A Brief Survey on Cuckoo Search Applications , International Journal of Innovative Research in Computer and Communication Engineering ,Vol.2, Special Issue 2, pp. 7-14, May 2014 (Proceedings of International Conference On Advances in Computer & Communication Engineering on 21-22 April 2014, Vemana Institute of Technology, Bangalore, India .
- [22] Asha Gowda Karegowda, Kishore B, Enhancing Performance of KNN classifier by means of Genetic Algorithm and Particle swarm optimization, International Journal of Advance Foundations and Research in Computer, -Vol. 1(5), pp.24-35, Jan 2014. (impact factor :0.853)
- [23] Asha Gowda Karegowda, Enhanced Categorization of Wheat Seeds by Integrating Ensemble methods with Decision Tree Identified Significant Features, International Journal of Data Mining And Emerging Technologies, Vol. 4(1), pp 10-15, 2014. **Non paid journal**
- [24] Asha Gowda Karegowda, Sushil Kumar, GA and PSO based prototype Generations for nearest prototype classifier, International Journal of Data Mining And Emerging Technologies, Vol. 4(2), pp 100-106, 2014. **Non paid journal**
- [25] Lalitha Shastry, Asha Gowda Karegowda, Latha Raju, A Survey on Functional and Non-functional Testing Tools released during 2000-2013 , The International Journal of Computer Science & Applications (TIJCSA) , Vol 2, No. 12, June 2014.
- [26] Dhanalakshmi N, Asha Gowda Karegowda, Radha N, Predictive Model for Blood-Brain Barrier, International Journal of Advance Foundations and Research in Computer,Vol.2(8), pp.11-22, Aug 2015.
- [27] D. Poornima, Asha Gowda Karegowda, A Pragmatic Review of Data Mining Techniques for Thyroid Categorization Aloy Journal of Soft Computing and Applications, Volume: 3 Issue: 1, pp. 24-46, 2015 **Non paid journal**
- [28] AshaGowda Karegowda, B. G Premsudha, Devika G, A Pragmatic Study of Evolutionary Techniques Based Energy Efficient Hierarchical routing protocols - LEACH And PEGASIS, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 17 (2015) pp. 38274-38285. **(Scopus Indexed journal)**
- [29] Devika G, Asha Gowda Karegowda, "A Pragmatic Study of LEACH and its Descendant Routing Protocols in WSN ", International Journal of Computational Intelligence and Informatics, Vol 4, NO 4, pp 300-307, March 2015.
- [30] H. S. Vijaya Kumar, M. A. Jayaram and Asha Gowda Karegowda,Hard Limiting and Soft Computing Techniques for Detection of Exudates in Retinal Images: A Futuristic Review, British Journal of Applied Science & Technology,Vol12(6),pp: 1-20, 2016, Article no.BJAST.20735
- [31] Devika G, B. G Premsudha, AshaGowda Karegowda, "A comparative study of Energy Efficient Hierarchical Wireless Sensor Network Protocols" ,International Journal of Applied Research on Information Technology and Computing , Sept-Dec 2015, VOL 6 (3),pp 189-196. **Non paid journal**
- [32] HS. Vijaya Kumar, M.A. Jayaram, Asha Gowda Karegowda ,Bharathi P.T, A Comparative Study on Filters with Special Reference to Retinal Images,

- [33]** Asha Gowda Karegowda, Bharathi P.T., Enhancing CBIR Performance Using Evolutionary Algorithm-Assisted Significant Feature Selection: A Filter Approach, International Journal of Applied Research on Information Technology and Computing Vol. 7, No. 1, pp 53-59, April 2016. Non paid journal
- [34]** Asha Gowda Karegowda, Supriya MC, M.A. Jayaram, Prashant GK ,Determination of Brinell Hardness of Metals through Image Processing, International Journal of Applied Research on Information Technology and Computing IJARITAC Vol. 7, No. 2, pp. 113-118, August 2016. **(Non paid journal)**
- [35]** Bharathi P.T. , P Subhashini, Asha Gowda Karegowda Extreme Learning Machine based Differential Evolution Feature Selection approach for Feature subset reduction from Digital images, International Journal of Applied Research on Information Technology and Computing IJARITAC, Vol. 7, No. 2, pp 119-131, August 2016. **(Non paid journal)**
- [36]** Devika, Keshava, Asha Gowda Karegowda,An energy Efficient Data-collecton Cluster-Tree-Based Routing Protocol for Small and Large Mobile Wireless Sensor Network, International Journal of Applied Research on Information Technology and Computing IJARITAC ,Vol. 7, No. 2, pp 140-145,August 2016. **(Non paid journal)**
- [37]** C.B. Bhanuprakash, G.K. Prashant, Asha Gowda Karegowda, Ramesh CN, Texture Based Flower Species Classification Using Neural Network,International Journal of Advance Foundation and Research in Computer (IJAFRC), Volume 3, Issue 6, June - 2016
- [38]** Asha Gowda Karegowda, Divya, Bharathi P.T Content Based Image Retrieval Using GLCM, Color GLCM, Local & Global Histogram, International Journal of Data Mining and Emerging Technologies ,Vol 6(2), pp 52-60, 2016 **(non paid journal).**
- [39]** Kavya RM ,Asha Gowda Karegowda, Bharathi P. T. , H. K. Virupakshaiah, Image Processing Techniques Based Plant Disease Detection: A Pragmatic Review, International Journal of Advance Foundation and Research in Computer (IJAFRC) Volume 3, Issue 8, pp 1-5, September – 2016.
- [40]** Geetha M, Asha Gowda Karegowda, "Crop Mapping using SAR Imagery: A Review , International Journal of Advanced Research in Computer Science, Volume 7, No. 7, pp 47-52, Nov-Dec 2016.
- [41]** D. Poornima, Asha Gowda Karegowda, PT. Bharathi, A Comprehensive Review of Medical Image-processing Techniques for Thyroid Disorders, International Journal of Applied Research on Information Technology and Computing IJARITAC ,Vol. 8, No. 1, pp 56-80,Jan-April 2017. **(Non paid journal)**
- [42]** D. Poornima, Asha Gowda Karegowda, PT. Bharathi, A Pragmatic Review of Denoising Techniques Applied for Medical Images, International Journal of Applied Research on Information Technology and Computing IJARITAC ,Vol. 8, No. 1, pp 81-104,Jan-April 2017. **(Non paid journal)**

- [43] Pushpalatha K. R. , Asha Gowda Karegowda , D. Ramesh, Identification of Similar Looking Bulk Split Grams using GLCM and CGLCM Texture Features, International Journal of Computer Applications (0975 – 8887) Volume 167 – No.6, pp 30-36, June 2017.
- [44] Asha Gowda Karegowda, Poornima D. Sindhu N, Bharathi P.T., "Performance Assessment of k-Means, FCM, ARKFCM and PSO Segmentation Algorithms for MR Brain Tumour Images", International Journal of Data Mining And Emerging Technologies, Volume 8, issue 1, Page: 18-26, 2018. **(Non paid journal)**
- [45] Pushpalatha.K.R, Asha Gowda Karegowda "Automatic Classification of Bulk Food Grains Using Machine Learning Assisted Computer Vision-A Survey", International Journal of Data Mining And Emerging Technologies, Volume 8, issue 1, Page: 36-43, 2018. **(Non paid journal)**
- [46] Poornima D. , Asha Gowda Karegowda , A Review of Image Segmentation Techniques Applied to Medical Images, International Journal of Data Mining And Emerging Technologies, Volume 8, issue 1, Page: 78-94, 2018. **(Non paid journal)**

Publications in International Conferences: (20)

- [1] Asha Gowda Karegowda and M.A. Jayaram , Integrating Decision Tree and ANN for Categorization of Diabetic Data , International Conference on Computer Aided Engineering , December 13-15, 2007 , pp 875-881, Department of Mechanical Engineering , IIT Madras, Chennai – 600 036, India
- [2] Asha Gowda Karegowda and M.A. Jayaram, On Exploration of Efficacy of Various Classifier algorithms in Categorization of Preprocessed Diabetics data, International Conference on Data Management (ICDM-2008), pp 1212-1219, 25th to 26th February 2008, Institute of Management Technology (IMT) Ghaziabad, India.
- [3] Asha Gowda Karegowda and M.A. Jayaram , "Soft Computing Techniques in Medical Data Mining : An Overview ", International Conference on Data Management, IMT Ghaziabad, India 10-11 Feb 2009
- [4] Asha Gowda Karegowda and M.A. Jayaram, "Cascading GA & CFS for Feature Subset Selection in Medical Data Mining ", International Conference on IEEE International Advance Computing Conference (IACC'09) on March 6-7, 2009, pp. 407-410, Thapar University, Patiala, Punjab India.
- [5] Asha Gowda Karegowda, M.A. Jayaram, " An Optimal Neural Network model: Categorization of Diabetics data ", 4th Indian International Conference on Artificial Intelligence, pp. Dec 16-18, 2009, SIT, Tumkur.
- [6] Asha Gowda Karegowda, Dr M.A. Jayaram, Dr A.S. Manjunath , " Feature Subset Selection Problem using Wrapper Approach in Supervised Learning", International Conference on Furistic Computer Applications, Mar, 2010, IISC, Blore

- [7] Asha Gowda Karegowda , Rakesh Kumar Singh M.A.Jayaram A.S .Manjunath, "Improving Weighted K-Nearest Neighbor Feature Projections Performance with Different Weights Assigning Methods ", International Conference on Computational Intelligence (ICCI 2010) December 9 – 11, 2010, Coimbatore, India.
- [8] Asha Gowda Karegowda , Bharathi P.T, M.A.Jayaram ,A.S .Manjunath "Automatic Detection of Exudates in Diabetic Retinopathy using Traditional & Machine Learning Techniques: An Overview", International Conference On Computing ,ICC 2010, New Delhi 27-28 December 2010 .
- [9] Asha Gowda Karegowda , Shama, Vidya T, M.A.Jayaram ,A.S .Manjunath " Improving Performance of K-Means Clustering By Initializing Cluster Centers Using Genetic Algorithm and Entropy Based Fuzzy Clustering for Categorization Of Diabetic Patients", pp. 899-904, International Conference on Advances in Computing, MSRIT, Bangalore, July 4-6,2012.(Advanced in Intelligent Soft Computing Series, Springer).
- [10] Asha Gowda Karegowda, M.A. Jayaram, A.S. Manjunath, Vidya T, Shama , "Genetic Algorithm based Dimensionality Reduction for Improving Performance of k-means and fuzzy k-means clustering: A Case study for Categorization of Medical dataset", , pp. 169-180, Seventh International Conference on Bio-Inspired Computing: Theories and Applications (BIC-TA 2012) December 14-16, 2012, ABVITM, Gwalior, India. (Advances in Intelligent Soft Computing Series, Springer).
- [11] Asha Gowda Karegowda, Mithesh Prasad, A Survey of Applications of Glowworm Swarm Optimization Algorithm, International conference on computing and Information Technology, 23-24 Sept 2013, Anna University, Tamil Nadu.
- [12] Sanket Kamat, , Asha Gowda Karegowda , A Brief Survey on Cuckoo Search Applications , Proceedings of International Conference On Advances in Computer & Communication Engineering on 21-22 April 2014, VIT Institute of Technology, Bangalore, India .
- [13] Asha Gowda Karegowda, Improving Decision tree Performance using Ensemble learning: A Case Study for Categorization of Hepatitis Dataset, In proceedings of International Conference on Big Data Analysis And Distributed Systems, Periyar University College of Arts & Science, 12th Sept 2014.
- [14] Devika G, Asha Gowda Karegowda, "Performance Enhancement of LEACH, V-LEACH and MOD-LEACH Clustering Routing Protocols for Wireless Sensor Networks", International Conference on Research in Business management & Information Technology (ICRBIT - 2015), April 29 – 30, 2015 , RNSIT, Bangalore.
- [15] Chaitra M, Asha Gowda Karegowda, Heena Kousar, "K-Means Clustering Assisted Automated Exudate Detection in Retinal Images", International Conference on Research in Business management & Information Technology (ICRBIT - 2015), April 29 – 30, 2015 , RNSIT, Bangalore.
- [16] Asha Gowda Karegowda, Heena Kousar "A Pragmatics Study on Automated Exudates Detection in Diabetic Retinopathy Images ", 2nd International conference on Advances in Computer and Communication Engineering (ACCE-2015)" on 5th & 6th May – 2015, VIT Institute of Technology, Bangalore

- [17] Asha Gowda Karegowda, Samreen S, Pushpalatha KR "Automated Detection and Classification of Images using Color and Texture Features-A Survey", 2nd International conference on Advances in Computer and Communication Engineering (ACCE-2015)" on 5th & 6th May - 2015, Vemana Institute of Technology, Bangalore .
- [18] Asha Gowda Karegowda, D. Poornima, Lakshmi , " Knowledge based Fuzzy Inference system for diagnosis of Diffuse Goiter", Second IEEE International Conference on Emerging Computations & Information Technologies, ICCIT 2017, 15-16 th Dec 2017, Siddaganga Institute of Technology, Tumkur, Karnataka, India.
- [19] Devika G, Dr Ramesh, Dr. Asha Gowda Karegowda, " Bio-Inspired Ant_Cuckoo Energy Efficient Data Aggregation Algorithm: A solution for routing problem ", Second IEEE International Conference on Emerging Computations & Information Technologies, ICCIT 2017, 15-16 th Dec 2017, Siddaganga Institute of Technology, Tumkur, Karnataka, India.
- [20] Asha Gowda Karegowda, Pushpalatha K. R., "Enhancing Classification of Similar Looking Food Grains- A Filter Approach", Second IEEE International Conference on Emerging Computations & Information Technologies, ICCIT 2017, 15-16 th Dec 2017, Siddaganga Institute of Technology, Tumkur.

Publications in National Conferences: (28)

- [1] Asha Gowda Karegowda, M.A. Jayaram "ANN for categorization of processed and unprocessed Diabetics data ", National Conference on "Recent trends in Information Technology", Mar 7th to 8th 2008, Jointly organized by R.V. College of Engineering, B'lore and Avinashlingam University for Women, Coimbatore.
- [2] Asha Gowda Karegowda, Manish "A Data Mining Approach to build a predictive Model to classify Contact lenses ", National Conference on Information and Communication Technology, New Horizon College of Engineering, B'lore, Mar 28-29, 2008.
- [3] Asha Gowda Karegowda and Lakshmi A. Hiremath , "Back Propagation Assisted Classification of Nephropathy Stages in Diabetic Patients ", AICTE Sponsored National conference on Recent Developments and applications of Probability theory, Random Process and Random variables in computer Science, 27-29 August 2008, Tiruvalla, Kerala.
- [4] Asha Gowda Karegowda and Praveen R "Classification of CHD Risk in Diabetic Patients: A Data Mining Approach" , AICTE Sponsored National conference on Recent Developments and applications of Probability theory, Random Process and Random variables in computer Science, 27-29 August 2008, Tiruvalla, Kerala.
- [5] .Asha Gowda Karegowda , Babu Reddy C , M.A. Jayaram , Classification using K-Nearest Neighbor ,National Conference on Advances in Computer

Applications , Sri Siddhartha Institute of Technology, Tumkur, May 6-7, 2009

- [6] Asha Gowda Karegowda , M.A. Jayaram ,Subhash Chandra .N.V,Clustering using Self organizing one dimensional feature maps, National Conference on Advances in Computer Applications , Sri Siddhartha Institute of Technology, Tumkur, May 6-7, 2009.
- [7] Asha Gowda Karegowda , Satyajit Mohanty, M.A. Jayaram , Clustering using Simple K-Means Partitioning Algorithm, National Conference on Advances in Computer Applications , Sri Siddhartha Institute of Technology, Tumkur, May 6-7, 2009.
- [8] Asha Gowda Karegowda, Punya V, Hazira Khanum, "Improving KNN performance for Thyroid Classification using Information Gain: Case study for Tumkur District", National Conference on Advanced Computer Applications, NCACA-2012, May 10-11, 2012, SSIT, Tumkur.
- [9] Asha Gowda Karegowda, Shama, Vidya T, "Initializing K-Means Centroids Using Entropy Based Fuzzy Clustering For Iris Dataset", National Conference on Advanced Computer Applications, NCACA-2012, May 10-11, 2012, SSIT, Tumkur.
- [10] Asha Gowda Karegowda , Kishore B, Features Extraction using Binary Encoded GA for K-Nearest Neighbor Classifier, National Conference On Emerging Trends In Information And Security, 20th April 2012, S.J.C. Institute of Technology, Chickballapur, Karnataka.
- [11] Asha Gowda Karegowda, Seema kumari, Particle Swarm Optimization algorithm based K-Means Clustering , National Conference On Emerging Trends In Information And Security, 20th April 2012, S.J.C. Institute of Technology, Chickballapur, Karnataka.
- [12] Asha Gowda Karegowda, Sushil Kumar Singh, Variants of Particle Swarm Optimization and Applications of PSO , National Conference On Emerging Trends In Information And Security, 20th April 2012, S.J.C. Institute of Technology, Chickballapur, Karnataka.
- [13] Asha Gowda Karegowda, Darshan.M, Applications Of Artificial Bee Colony Algorithm: A Survey, National Conference On Emerging Trends In Information And Security, 20th April 2012, S.J.C. Institute of Technology, Chickballapur, Karnataka.
- [14] Asha Gowda Karegowda, Udaytkumar Angadi, A Survey on Grid Computing and its Applications, National conference on Recent Trends in Information and Computation Engineering (NCRTICE-2013), pp. 256-260, 19th April 2013, City Engineering College, Dept. of Information Science and Engineering, Bengaluru.
- [15] Asha Gowda Karegowda, Ajay Kumar A. H., Applications of Cloud Computing: a Survey, National conference on Recent Trends in Information and Computation Engineering (NCRTICE-2013), pp.11-16, 19th April 2013, City Engineering College, Dept. of Information Science and Engineering, Bengaluru.
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