

CURRICULAM VITAE

Dr. HEMALATHA K.L.

Mobile : 9663324278

Email : hema.sjcit@gmail.com / hema.skit@gmail.com



Career Objective

To enhance my teaching professional skills in a good platform provided by the reputed educational institution and to achieve excellent profession progress to lead during extensive efforts and performance regularity.

Education Qualification

Qualification	Division	Class/Year	University
Ph.D	Computer Science and Engg	2017	REVA
M.Tech	Computer Science and Engg	First class/2010	VTU
B.E	Computer Science and Engg	First class/2003	VTU

Teaching Experience

Organisation	Date of Appointment	Cadre	Duration
Sri Krishna Institute of Technology	Aug 1, 2017	Professor & HOD	Till date

Sri Krishna Institute of Technology	July 26, 015	HOD & Associate Prof	Aug 1 2017
Sri Krishna Institute of Technology	Jan 1 , 2015	Associate Prof	July 26, 2015
Sri Krishna Institute of Technology	July 26, 2010	Assistant Professor	Jan1 2015
SJCIT, Chickballapur	Oct 6, 2004	Lecturer	June 30, 2010
Raman Polytechnic, Bangalore	July 18, 2003	Lecturer	Oct 5, 2004

Research Publications

- Dr.Hemalatha K.L “Automated Inception Network based Cardiac Image Segmentation Analysis”, International Journal of Advanced Science and Technology Vol. 28, No. 20, pp. 953-962, (2019)
- ¹HemalathaK.L.,²Sunilkumar Manvi and ³H. N. Suresh, “Medical Image Segmentation based on Extreme Learning Machine Algorithm in Kernel Fuzzy C Means Using Artificial Bee Colony method”, **International Journal of Intelligent Engineering and Systems-INASS (Scopus Indexed)**
- ¹Hemalatha K. L.,²Sunilkumar Manvi and ³H. N. Suresh, “Improved Spatial Rough Set Fuzzy method of Precious noisy Segmentation”,**International Journal of Control Theory and Applications**, 9(34) pp. 189-198, Dec 2016,(**Scopus indexed**)
- ¹Hemalatha K.L., ²Sunilkumar Manvi and ³H. N. Suresh, “Adaptive Weighted-Covariance Regularized Kernel Fuzzy C Means Algorithm for Medical Image Segmentation”, **Journal of Theoretical and Applied Information Technology**, ISSN: 1992-8645,. Vol.95. No 14,pp- 3365-3375, July 2017(**Scopus indexed**)
- K.L.Hemalatha*;Sunil Kumar Manvi¹, Sreevathsa²,H.N.Suresh³,“Improving the Performance and Accuracy of Image Segmentation using Modified FCM algorithm”, **Asian Journal of Engineering and Technology Innovation**, Volume 4,(Issue 7), May 2016,P. 156-158
- K.L.Hemalatha¹; S.Ranjitha²; H.N.Suresh³, “Image Segmentation based on modified centroid weight Particle Swarm Optimization and Spatial fuzzy C-Means clustering algorithm”, 2015

List of National Journals / International Journals

- Dr.Hemalatha K.L, “An Efficient Multipath Routing Protocol for LLNs”, Dogo Rangsang Research Journal, ISSN : 2347-7180 Vol-10 Issue-08 No. 13 August 2020
- Dr.Hemalatha K.L, “Analysis of Extreme Learning Machine Algorithm for Brain Tumor Classification”, Dogo Rangsang Research Journal, ISSN : 2347-7180 Vol-10 Issue-08 No. 13 August 2020
- Dr.Hemalatha K.L, RELM: A Machine Learning Technique for Brain Tumor Classification”, Perspectives in Communication, Embedded-Systems and Signal-Processing (PiCES) – An International Journal, ISSN: 2566-932X, Vol. 4, Issue 5, August 2020
- Dr.Hemalatha K.L., “A Semantic Approach to Host-based Intrusion Detection Systems Using Contiguous and Discontiguous System Call Patterns”, Journal of Studies in Indian Place Names, ISSN: 2394-3114,Vol-40-Issue-40,pp:2567-2580,March-2020. (UGC journal)
- Dr.Hemalatha K.L., “Reconstructing a Fragmented Face from a Cryptographic Identification Protocol”, Journal of Studies in Indian Place Names, ISSN: 2394-3114,Vol-40-Issue-03,pp:6437-6447,Feb-2020. (UGC journal)
- Dr.Hemalatha K.L.,” Data transfer Between Mobiles, Smart cards and Electronic Gadgets through Field Communications”, Parishodh Journal, ISSN NO:2347-6648, Volume IX, Issue II,pp:1033-1048, February/2020 (UGC journal)
- Dr.Hemalatha K.L ,Productivity Improvement in IT Sector by Integrating the Positive Thoughts and Total Quality Management”, Journal of Studies in Indian Place Names, ISSN: 2394-3114, Vol-40-Issue-1-January-2020
- Dr.Hemalatha K.L ,”Reconstructing a Fragmented Face from a Cryptographic Identification Protocol”, Journal of Studies in Indian Place Names, ISSN: 2394-3114,Vol-40-Issue-03,pp:6437-6447,Feb-2020. (UGC journal)
- Dr.Hemalatha K.L, “A Semantic Approach to Host-based Intrusion Detection Systems Using Contiguous and Discontiguous System Call Patterns”, Journal of Studies in Indian Place Names, ISSN: 2394-3114, Vol-40-Issue-40-March-2020.

- Prashanth, Darshan, Dr.Hemalatha K.L., “Blockchain Technology in Banking System”, **1st International Conference on Emerging Trends in Engineering, Innovative Science and Management (ICETEISM 2019) International Journal of Engineering & Science Research, ISSN 2277-2685, IJESR/ICETEISM-2019/Special Issue,pp:11-14, May 2019.**
- Dr.Hemalatha K.L, Nandini H P, Nandini Shetty S, “Vehicles Smart Surveillance System using RFID Technology”, **1st International Conference on Emerging Trends in Engineering, Innovative Science and Management (ICETEISM 2019) International Journal of Engineering & Science Research, ISSN 2277-2685, IJESR/ICETEISM-2019/Special Issue,pp:260-265, May 2019**
- Dr.Hemalatha K.L.¹,Dr.Kavitha E², Suresh B.S³, “Improvisation Of Land Use And Land Cover Classification Using Mahalanobis Classifier And Hybrid Feature Extraction”, International Journal of Civil Engineering and Technology (IJCIET) Volume 9, Issue 8, , pp. 1613–1624, August 2018. (**Scopus indexed**)
- Dr.Hemalatha K.L.¹,C.Bhanupriya², Pallavi D.L.³, “The Big Data Aggregation through Auto MAT Platform”, International Journal of Innovative Research in Science, Engineering and Technology, Volume 7, Special Issue 6, May 2018.
- Dr.Hemalatha K.L.¹, Archana Shetty ², Deepika T S ³, “An Approach to Brain Tumor Detection Using Modified TKM and FCM Clustering Algorithm”, International Journal of Innovative Research in Science, Engineering and Technology, Volume 7, Special Issue 6, May 2018.
- Dr.Hemalatha K.L.¹, VinayM ², Sujith Manjunath³, “Coin Shortage Detection Using NFC Card Digital Payment System”, International Journal of Innovative Research in Science, Engineering and Technology, Volume 7, Special Issue 6, May 2018.
- Dr.Hemalatha K.L.¹,Jahnvi Singh², Supriya G M³, “Design and Implementation of Hybrid Filtering Algorithm for CT Images”, International Journal of Innovative Research in Science, Engineering and Technology, Volume 7, Special Issue 6, May 2018.
- Dr.Hemalatha K.L, “An Hybrid Approach to Decoding Technique Using Mixed Case Font”, International Journal of Innovative Research in Science, Engineering and Technology, Volume 7, Special Issue 6, May 2018.
- Hemalatha K.L*, “Framework For Secure Cloud Transmission Protocol In Wireless Sensor Network”, International Journal of Current Advanced Research, Volume 7; Issue 1(I); pp-9333-9337, January 2018
- Hemalatha K.L , Ashitha S M , Meghana S.R,” Design and Implementation of Modified FCM in the Detection of Brain Tumor”, International Journal of Advances in Scientific Research and Engineering (ijasre), Vol. 03, Issue 4, pp no 11-17, May 2017

- Hemalatha K. L , Sneha H , Sumana H.R, “Analysis and Design of Soft Clustering Method In Detection of Brain Tumor”, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6, Issue 3, pp no 1111-1116, March 2017.
- Hemalatha K.L, Sreevatsa C.V, “Providing Better Security in Cloud Computing Environment using Twofish Encryption”, International journal of Innovative Research in Science, Engineering and Technology, VOL 5, issue 10, pp no12-15, ISSN 2319-8753, 2016.
- Hemalatha K.L, Karthik.R, Nandan Sateesh Hegde” Analysis of White Blood Cells for Malaria Detection“ International Journal of Advanced Networking and Applications(IJANA) I S S N : 0 9 7 5 - 0 2 8 2 2016.
- Kavitha.C, Hemalatha K.L, “Designing a Decision Support System for Weaning Using Ann- A Preliminary Study”, International Journal of Computer Science and Engineering Technology, Vol 4, No 02, pp no 152-157, 2013.
- Hemalatha K..L. Kavitha .C, “Design and Implementation of Fast and Efficient Image Compression using SPIHT algorithm”, International Journal of Advanced Computer Science & Technology, Volume 2, No 1, pp no 45-52.2012.

List of National Conferences / International Conferences

- Rajgopal, Pooja, Dr.Hemalatha K.L, “ Face Recognition based Automatic Attendance System Using Machine Learning Algorithm”, 1st International Conference on Emerging Trends in Engineering, Innovative Science and Management(ICETEISM-2019) , EWIT, , **ISSN 2277-2685**, pp:8-10, May 18, 2019.
- Dr.Hemalatha K.L, Dr. A L Choodarathnakara, Kruthishree K K , “Semi-Supervised Video Action Recognition”, 1st International Conference on Emerging Trends in Engineering, Innovative Science and Management(ICETEISM-2019) , EWIT, , **ISSN 2277-2685**, pp:255-259, May 18, 2019.
- Sreevathsa, Hemalatha K.L, , Daina K.K ., Manjula K, “Increasing the performance of Firewall by providing customized policies”, Second IEEE International Conference on Applied and Theoretical Computing and Communication Technology(iCATccT), **IEEE Conference Publications**, SJBIT, pp 570-573, 2016.
- Hemalatha K.L, Dilip,” A new content based image retrieval system using GMM and Bayesian networks”, National Conference on Signal Processing and Computer Networks at ACS, Bangalore, March 31st , 2015
- Susmitha S, Vindhya T.S, Hemalatha K.L, “A system to filter unwanted messages from OSN user walls”, National Conference on Emerging trends in Computer Science and Technology, Oct 26th , 2013.
- Nithin Bharadwaj, Neetha N, Hemalatha K.L, “ Reconstructing a Fragmented Face from a Cryptographic Identification Protocol”, National Conference on Emerging trends in Computer Science and Technology, Oct 26th , 2013.

- Hemalatha K.L, Kavitha C, “A Keyless Approach to Image Encryption”, National Conference on Advances in Information Science ,pp no 157-166, May 2013.
- Rajanna.S, Hemalatha K.L,” Integrating the TRM and TQM to achieve better Quality Product and Service”, National Conference on Recent Advances in Mechanical Engineering, pp-168-174, March 20-21, 2008.
- Hemalatha K.L. Rajanna.S, H.K.Shivanand,“Productivity improvement by Integrating the positive thoughts and Total Quality management”, International Conference on Total Engineering Analysis and Manufacturing Technologies, pp -102, Sep 22nd -24th ,2008.

Workshops attended

- 1 week Online FDP organized by AICTE Training And Learning (ATAL) Academy on “**Augmented Reality (AR)/ Virtual Reality (VR)**” at Indian Institute of Technology Patna from Nov 30th-Dec 4th, 2020.
- 1 week online STTP on “MATLAB –Statistics and Data Science”, organized by Department of Applied Science, Sagar Institute of Research and Technology, Bhopal from July 27th- Aug 1st, 2020.
- 1 week FDP on “Latex and its Applications for Researchers”, organized by Department of Information Science and Engineer .
- 1 week Online FDP organized by AICTE Training And Learning (ATAL) Academy on “**Quantum Computing**” at **NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGARH** from **June 15th -19th ,2020**.
- Participated in 1 week Online FDP organized by AICTE Training And Learning (ATAL) Academy on “**Artificial Intelligence**” from **16-05-2020 to 20-05-2020** at **Indian Institute of Information Technology (IIIT Nagpur)** from **May 16th-20th ,2020**
- 1 week FDP on “Open Source Tools for Research”,organized by Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by MHRD,Pandit Madan Mohan Malaviya from 8th-14th June, 2020
- 1 week online FDP on “Advanced Research Methodology and Innovative Teaching Pedagogy”, organized by Tulsiram Gaikwad –Patil College of Engineering and Technology, Nagpur in association with Institute of Engineers, ISTE, from 8th-13th June, 2020
- 2 weeks AICTE sponsored FDP on “ Research Frontiers in advanced networking, security and IOT- A Tool Driven Approach, organized by Department of Information Science and Engineering and Computer Science and Engineering from 11th -23rd December, 2017.
- 2 weeks AICTE sponsored FDP on “ Recent developments in renewable energy sources and its applications”, organized by Department of Mechanical Engineering from 13th-25th November, 2017

- 2 days workshop on “Report Writing” conducted by Department of Electronics and Instrumentation Technology, Bangalore Institute of Technology, Bangalore from 17th-18th April, 2017.
- 5 days FDP on ““Research Opportunity Signal and Image Processing- A practical Approach”, organized by Department of Electronics and Communication Engineering, Jyothi Institute of Technology, Bangalore in association with Zetta One Technologies held on 18th-23rd Jan, 2016.
- 5 days FDP on “Data Science and Analytics” organized by Department of Information Science and Engineering in association with CSI, Bengaluru from 18th-22nd July, 2016.
- 3 days workshop on “Outcome Based Education and NBA Accreditation”, at Sri Krishna Institute of Technology, Bengaluru from 28th-30th July, 2016.
- 5 days FDP on “Faculty Enablement Program” at Infosys Campus, Mysuru from Jan 30th-Feb 3rd, 2012.
- 5 days workshop on “Mission10x”, conducted at Sri Krishna Institute of Technology, Bengaluru, from 25th-29th July, 2011.
- 2 days National Workshop on “Image Processing and Applications”, conducted by Department of Electronics and Telecommunication from 8th-9th Oct, 2009.
- 2 days workshop on “Bioinformatics & applications, conducted by TEQIP at UVCE, Bangalore from 7th-8th Aug, 2008.
- 2 days workshop on “OOAD using UML with Fundamental of Rational Rose”, conducted by IBM Software at SJCIT, Chikballapur from 3rd- 4th Dec, 2007.
- 5 days Short term course on “Teaching Methodologies”, conducted by National Institute of Technical Teacher Training & Research, Chennai, Govt of India at SJCIT, Chikballapur from 4^d-9th Nov, 2004.

Additional Achievements

- Received “**Certificate of Recognition**” for invaluable contribution as Technical Sponsor and Guest of Honor 1st INTERNATIONAL CONFERENCE ON ADVANCES IN INFORMATION, COMPUTING AND TRENDS IN DATA ENGINEERING (ICAICDE-2020) organized by The Department of Information Science & Engineering, Sri Venkateshwara College of Engineering, Bengaluru .
- Received **Emerging Research Award** for “RELM: A Machine Learning Technique for Brain Tumor Classification” during 1st All India Paper Writing Competition on Emerging Research (Pacer 2020), organized by WorldServe Online held in July 2020
- Received “**Best Professor in Information Science and Engineering Studies**” from Dewang Mehta National Education Awards , September 2019.

- Received “**Young Achiever’s Award**”, from Institute of Scholars, July 2019.
- Recognized as Reviewer of Journal of Institute of Scholars.
- Professional Member of “Institute of Scholars”.(INSC2019635)
- Received 1st prize for “Face Recognition based Automatic Attendance System Using Machine Learning Algorithm”, during Project Exhibition conducted by Dept of Mechanical Engineering, SKIT on May 20th, 2019.
- Received **Best paper award** for “ Face Recognition based Automatic Attendance System Using Machine Learning Algorithm”, during 1st International Conference on Emerging Trends in Engineering, Innovative Science and Management(ICETEISM-2019) , EWIT, May 18th , 2019.
- Received “**Certificate of Appreciation**” as a Technical Program Chair during 1st International Conference on Emerging Trends in Engineering, Innovative Science and Management(ICETEISM-2019) , held at EWIT, May 18th , 2019.
- Received a grant of Rs.10,000 for conducting 1 day Seminar on “Search Engine” from Technical Institute for Engineers on March 30th , 2019.
- Received “**Women Achiever’s Award**” from Institution of Engineers, India, Karnataka State Centre, Bangalore during International Women’s Day Celebration, March 8th , 2019.
- **President** for Technical Institute for Engineers.
- Received Reviewer Certificate from “**Concurrency and Computation-Practice and Experience-WILEY Publications, March 2019.**
- Received “**Certificate of Reviewing**” awarded in Jan 2019 for the journal “Microprocessors and Microsystems”, Elsevier.
- Received “**Certificate of Outstanding Contribution in Reviewing**” awarded in August 2018 for the journal “Computers and Electrical Engineering”, Elsevier.
- Received “**Certificate of Reviewing**” awarded in June 2018 for the journal “Computers and Electrical Engineering”, Elsevier.
- Member of Institute of Engineers, India (M-159635-1)
- Member of Indian Society for Technical Education (LM - 120236)

- Reviewer of International journal of Information technology-**Springer**
- Reviewer of Journal of SuperComputing - **Springer**
- International Journal of Advanced Intelligence Paradigms - **Inderscience**
- Reviewer of International Journal of Medical Engineering and Informatics - **Inderscience**
- Editorial board member of International Journal of Research and Science Innovation (IJRSI)
- Reviewer of International Journal of Engineering and Technology-**Scopus**
- Received a grant of Rs 10,000 for conducting 1 day seminar on “**Internet of Things**” from Institute of Engineers, India on March 3rd, 2017.
- Submitted proposals for VGST fund.
- Convener for One day National Conference conducted by Dept of CSE and ISE on Oct 13th, 2013 at Sri Krishna Institute of Technology, Bangalore.

Personal Profile

Name:	Dr. Hemalatha K.L.
Husband name:	Dr. Rajanna.S
Date of Birth	01-09-1980
Gender	Female
Nationality	Indian
Linguistic Proficiency	Kannada, English, Hindi
Permanent Address	#60,Lakshmi Krupa, pipeline road, near Selection corner bakery, Prashanthnagar, T-Dasarahalli, Bangalore-560057.

Declaration

I hereby declare that above mentioned information is true to my knowledge and belief. I bear the responsibility for the correctness of above-mentioned particulars.

Place: Bangalore
Date: 08-09-2020

Dr. HEMALATHA K.L.