

# **BIODATA**

## **1. General Information:**

**Full Name** : Prof.Suvarna L.Kattimani  
**Designation** : Assistant Professor  
**Sex** : Female  
**Date of Birth** : 24/06/1977  
**Nationality** : Indian  
**Office address** : Department of Computer Science and Engineering, BLDEA's,  
Dr. P. G. H. College of Engineering and Technology, Bijapur-  
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Pin.- 586103, Karnataka, India

## **2.Educational Qualifications:**

<b>Sr. No.</b>	<b>Degree</b>	<b>University/Board</b>	<b>Year</b>	<b>Class</b>
1	Ph.D. (Computer Science and Engineering)	Visvesvaraya Technology University, Belgaum, Karnataka, India.	---	per suing
2	M.Tech. (Computer Science and Information Technology)	Bengal Engineering & Science University (BESU), Shibpur-711103 Howrah, West Bengal, India.	2016	First class with Distinction
3	B.E. (Computer Science and Engineering)	Karnataka University, Dharawad, Karnataka, India.	2001	First class with Distinction
4	Diploma (Computer Science and Engineering)	Board of Technical Education Bangalore, Karnataka, India.	1996	First class
5	SSLC	Karnataka School Education Board, Bangalore, Karnataka, India.	1993	First class with Distinction

### **3. Experience in Teaching:** 17 Years

Sl. No.	Name of Organization / Institution	Designation	Duration of service	
			From	To
1	Rural Engineering College ,Hulkoti, Dist: GAGAD , Karnataka , India	Lecturer	3/12/2001 to 29/2/2004	
2	B.V.B.College of Engineering & Technology, Hubli, Karnataka, India.	Sr.Grade Lecturer	1/3/2004 to 30/6/2007	
3	M.S.Ramaiah Institute of Technology Bangalore Karnataka,India.	Assistant Professor	9/8/2007 to 14/8/2012.	
4	B.L.D.E.A's, V.P. Dr. P.G.H., College of Engineering & Technology, Vijayapur, Karnataka.	Assistant Professor	16/8/2012 to Till Date.	

### **4. Research Experience:**

I, above mentioned, per suing Ph.D., entitled “**Automatic Highlights Extraction from Cricket Based on Semantic Query Processing**”, at the Department of Computer Science and Engineering [Research Centre], P.D.A College of Engineering[Autonomous], Aiwani-E-Shahi Area, Kalaburgi-585102, Karnataka, India, Affiliated to Visvesvaraya Technology University, Belgaum, Karnataka, India. My area of interest is Image / Video Retrieval, Pattern Recognition, Document Image/Video Analysis, Computer Vision and Machine Learning. I have been with the Department of Computer Science and Engineering at B.L.D.E.A.'s, V.P. Dr. P.G.H., College of Engineering and Technology, Vijayapur, Karnataka, since 2012.

### **5. Areas of Interest:**

Image Processing and Pattern Recognition, Video Processing and Computer Vision, Document Image Analysis and Recognition, Machine Learning, Neural Network and Artificial Intelligence.

### **6. Professional Membership:**

- a) Life Member of the ISTE (Membership No: LM 97263).

## **7. Workshop/FDP/Seminar/tutorial Attended:**

Sl.No.	FDP/STTP	Date or Duration	Organized by
1.	Research with Reference Management Tools	May 25&26, 2018.	R&D Cell and Library and Information centre , BLDEA's V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
2.	FDP TEQIP III: "Machine Intelligence for Data Analysis"	4-4-2018 To 9-4-2018 [One Week]	Poojya Doddappa Appa College of Engineering, kalaburgi.
3.	FDP:"Usage of ICT TOOLS"	29-1-2018 To 3-2-2018 [One Week]	BLDEA's V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
4.	VGST sponsored FDP : "Emerging Trends in Knowledge Discovery and Data Analytics "	16-1-2018 To 21-1-2018 [One Week]	Sri Adichunchanagiri Shikshana Trust® Adichunchanagiri Institute of Technology,Chikkamangalur.
5.	AICTE sponsored FDP: "Applications of MATLAB / SIMULINK in Control and Power System Engineering"	19 -11-2017 To 2/12/2017 [Two Week]	BLDEA's V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
6.	Webinar : "IEEE technical content and the usefulness of e-resources."	14-6-2017	BLDEA's V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
7.	IEI Sopsored FDP : "Applications of MATLAB in Research"	24/04/2017 to 30/04/2017 [one week]	BLDEA's V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
8.	FDP: "Research Literacy and Trends in Scholarly Communications"	23/01/2017 To 28/01/2017 [One Week]	BLDEA's V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
9.	Workshop: "ISRO Satellite Remote Sensing Based Societal Application on the Web "	30-8-2016	BLDEA's V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
10.	National workshop: "Trends in Research and Publication ".	12-4-2016 To 13-4-2016	BLDEA's V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
11.	Workshop : "Eve of	8/3/2016	BLDEA's V.P.Dr.P.G Halakatti College of

	International Women's Day-2015"		Engineering and Technology, Bijapur-586103.
12.	STTP: "Pedagogy for Effective use of ICT in Engineering Education "IT Bombay	5 <sup>th</sup> to 31 <sup>st</sup> January 2015 (5-9 & 19-21 Online) (8-18 & 22-31 offline)	National Mission on Education through ICT (MHRD, Govt. of India) WIT, Solapur(1131)
13.	ISTE sponsored : International womens day Workshop: Make it Happen	8/3/2015	BLDEA's V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
14.	ISTE Approved STTP: "Big Data & Analytics: Tools, Techniques and challenges"	21/12/2015 To 26/12/2015	Annasaheb Dange College of Engineering and Technology, Ashta, Dist, Sangli, Maharashtra- 416301
15.	"Introduction to Computer Programming"	16/08/2015 To 21/12/2015	Indian Institute of Technology Bombay
16.	FDP: "Hands on Workshop on Cloud Computing"	12/12/2015	IBM Academic Initiative VTU, Belagavi
17.	FDP: "Networking 101 and Network Access Control"	18 <sup>th</sup> and 19 <sup>th</sup> October 2014	BLDEA's College of Engineering and technology, Bijapur-586103.
18.	Workshop: "Academic Sensitization Training in Intellectual Property Rights(IPR)"	24 <sup>th</sup> August 2014	VTPC, Department of Industries and Commerce, Govt., of Karnataka, BLDEA's College of Engineering and technology, Bijapur-586103.
19.	STTP: "Computer Networking Bombay"	30 <sup>th</sup> June 5 <sup>th</sup> July 2014	IIT Bombay National Mission on Education through ICT (MHRD, Govt. of India) WIT, Solapur(1131)
20.	STTP: "Image Processing and Machine Learning"	22 <sup>nd</sup> -26 <sup>th</sup> December 2014.	Department of Electronics and Telecommunication Engineering .N.B.Navale Sinhgad College of Engineering, Kegaon, Solapur(M.S)
21.	FDP: KSTA Regional Conference on Science and Technology for Development	30 <sup>th</sup> & 31 <sup>st</sup> January 2014	Central University of Karnataka, School of Earth Science, Kadaganchi, Gulbarga, Karnataka, India.
22.	Workshop: "Sarvatomukhi: Eve of World Womens"	19 <sup>th</sup> January 2014	BLDEA's College of Engineering and technology, Bijapur-586103.
23.	FDP:"Awareness to	22 <sup>nd</sup> March	MSRIT, Bangalore-560054

	Intellectual Property Rights”	2014	
24.	FDP TEQIP-II: ”Soft and Evolutionary Computing Techniques and its Applications”	30 <sup>th</sup> -1 <sup>st</sup> June 2013	Department of Electronics and Communication Engineering, Basavesgwar Engineering College, Bagalkot.
25.	FDP TEQIP-II”Advanced Network computing and Simulation”	22 <sup>nd</sup> to 24 <sup>th</sup> November 2013	Department of Computer Science and Engineering, Basavesgwar Engineering College ,Bagalkot.
26.	ISTE:”SHE-Sthree Holistic Empowerment”	16 <sup>th</sup> March 2013	BLDEA’s College of Engineering and technology,Bijapur-586103
27.	FDP: ”Training on Internal Auditors as Per ISO 9001:2008 requirements”	25 <sup>th</sup> and 26 <sup>th</sup> June 2013	BLDEA’s College of Engineering and technology,Bijapur-586103
28.	Seminar: ”Research Methodologies and Research Avenues in Info. Technology”	12/10/2013	BLDEA’s V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
29.	FDP: ”Research Issues in Data Mining”	26/10/2013 to 27/10/2013	BLDEA’s V.P.Dr.P.G Halakatti College of Engineering and Technology, Bijapur-586103.
30.	FDP: ”Advanced Computer Networks and Simulators”	27 <sup>th</sup> to 29 <sup>th</sup> January 2011	VGST(GoK),Department of Computer Science and Engineering, RITM,Bangalore-560054.
31.	Tutorial:ICAdC	4 <sup>th</sup> to 6 <sup>th</sup> July 2012	MSRIT, Bangalore-560054.
32.	FDP:”Parallel Programming”	2 <sup>nd</sup> to 4 <sup>th</sup> September 2010	VTU Sponsored, Department of ISE, MSRIT, and Bangalore-560054.
33.	FDP: ”Design, Modeling and Analysis of Experiments through Taguchi Philosophy and its Applications”	23 <sup>rd</sup> to 27 <sup>th</sup> August 2010	Department of IEM, MSRIT, Bangalore- 560054.
34.	FDP: ”National Program me on Technology Enhanced Learning”	4 <sup>th</sup> February 2010	IIT Madras,MSRIT,Bangalore-560054
35.	FDP: ”Programming the WEB and Software Architecture”	27 <sup>th</sup> to 30 <sup>th</sup> July 2009	Department of ISE and CSE, RNSIT, Bangalore-560054.
36.	FDP:	9 <sup>th</sup> to 14 <sup>th</sup>	IBM software Education, Bangalore-560054.

	"Object Oriented Analysis and Design using UML with Essential of Rational Software Architect"	February 2009 [One Week]	
37.	FDP: "Introduction to Graph and Geometric Algorithms"	15 <sup>th</sup> to 18 <sup>th</sup> July 2009	IISC, Bangalore.
38.	FDP: "IBM Certified Database Associate DB2 9n Fundamentals"	21 <sup>st</sup> April 2009	IBM software Group, Bangalore
39.	FDP TEQIP-I: "Effective Teaching Methods in Data Communication and Networks and Computer Graphics"	20 <sup>th</sup> to 21 <sup>st</sup> February 2009	MSRIT, Bangalore-560054.
40.	FDP: "Embedded Computing Systems "	23 <sup>rd</sup> to 25 <sup>th</sup> July 2009	MSRIT, Bangalore-560054.
41.	FDP: "Adobe FLEX"	13 <sup>th</sup> to 14 <sup>th</sup> 2009	Department of ISE, MSRIT, Bangalore-560054.
42.	SDP: "Grid Computing-Architecture, Middleware & Applications"	17 <sup>th</sup> to 29 <sup>th</sup> August 2009 [TWO-WEEK]	Department of CSE, MSRIT, Bangalore-560054.
43.	FDP: "Information Storage and Management"	20 <sup>th</sup> November 2009	EMC <sup>2</sup> , Bangalore
44.	FDP: "Recent Advances in Parallel and Distributed Computing: Clouds and Grids(Under TEQIP-II)	18 <sup>th</sup> December 2008	Department of ISE, MSRIT, Bangalore-560054.
45.	FDP: "Java and OPEN Solaris"	June 2008	SUN Microsystems, Bangalore-560054
46.	FDP: "Defense Against the Dark Arts"	4 <sup>th</sup> July 2008	Infosys, Mysore.
47.	FDP: "Object Oriented Analysis and design using UML with Fundamentals of Rational Rose"	22 <sup>nd</sup> to 23 <sup>rd</sup> February 2008	IBM software Education, Bangalore-560054.
48.	FDP: "Multimedia Compression Techniques and Standards (Under TEQIP-II)"	13 <sup>th</sup> to 14 <sup>th</sup> February 2008	Department of ISE, MSRIT, Bangalore-560054.

49.	FDP: "Research Directions in Computer Science and Engineering"	21 <sup>st</sup> to 22 <sup>nd</sup> November 2008	UVCE, Bangalore-560054.
50.	FDP: " Aegis of the Nasscom IT Workforce Development"	21 <sup>st</sup> December 2007	Accenture, Bangalore, 560054.
51.	FDP: "Syllabus Revision"	9 <sup>th</sup> October 2007	Department of ISE & CSE, MSRIT, Bangalore- 560054.

## **8. List of Courses Taught:**

### **For UG**

- Design and Analysis of algorithms
- Operating Systems
- Software Architectures
- Computer Networks-I
- Information and Network security.
- Information Theory and Network Security
- Cryptography, Network security and cyber Law
- Object oriented programming with C++
- Data structure with C
- Database management theory
- C Programming and Concepts
- Image processing and computer Vision

### **For PG**

- Advanced algorithms
- Data mining
- Computer Systems and Programming Analysis
- Digital Image Processing
- Advanced Computer Networks
- Information and Network Security
- Cloud Computing
- ADBMS

## **9. List of projects guided/guiding for PG**

1. Enterprise Resource Planning Architecture Framework using Cloud Computing
2. Dynamic Trust and Security Management Protocol for Delay Tolerant Networks"
3. Privacy Preserving Public Auditing Mechanism for Shared Data in Cloud Computing Environment"
4. ALERT: An Anonymous Location-Based Efficient Routing Protocol in MANETS"
5. Adaptive Position Update for Geographic Routing in Mobile Adhoc Networks"
6. Practical Privacy Preserving Content Based Retrieval in Cloud Image Repositories

## 7. Forest Anti-smuggling Monitoring system

### **10. Research Guidance:**

- Master's: 10
- Ph. D. : NIL

### **11. Other information**

#### ➤ **No. of Workshop/Seminar Organized: 01**

- One day Bridge course on C Programming 13<sup>th</sup> Feb. 2018

### **12. Total No. of Publications:22**

#### **International Journals:**

- [1]. Mr.Vilas Balaganur and **Prof.Suvarna L.Kattimani**, “A Survey on Handling Big Data Issues by Improving Performance of Hybrid Cloud Management Through Agent Based Cloud Computing Framework”, *International Journal of Advanced Technology in Engineering and Science (IJATES)*, Vol.03, pp:2348-7550,Issue 1, April 2015.
- [2]. Mr.Jaheer Ahmed Indikar and **Prof.Suvarna L.Kattimani**, “Dynamic Trust and Security Management Protocol for Delay Tolerant Networks”, *International Journal of Advanced Research in Science and Engineering (IJARSE)*, Vol.4, pp: 2319-8354, Issue.01, May 2015.
- [3]. Mr.Jaheer Ahmed Indikar and **Prof.Suvarna L.Kattimani**, “Dynamic Trust and Security Management Protocol for Delay Tolerant Networks using Information Centric –Networks Architecture”, *International Journal of IJECS*, Vol.No.04 ISSN: 2319-7242, June 2015.
- [4]. Mr.Anirudh Atwadkar and **Prof.Suvarna L.Kattimani**, “Privacy Preserving Public Auditing Mechanism For Shared Data In Cloud Computing Environment with Dynamic Groups”, *International Journal of Engineering and Computer Science (IJECS)*, Vol.4,Issue.6, pp: 2319-7242, 6<sup>th</sup> June 2015.
- [5]. Mr.Anirudh Atwadkar and **Prof.Suvarna L.Kattimani**, “Survey Privacy Preserving Public Mechanism For Shared Data in Cloud Computing Environment”, *International Journal of Advanced Technology in Engineering and Science (IJATES)*, Vol.03, pp: 2348-7550, Issue 1, May 2015
- [6] **Prof.Suvarna L. Kattimani**, Deepa Deshpande, Nazeera Madabhavi, Rohini Naganur and Savitri Seeparamatti ,” Wireless Multi-Hop Dynamic Live Video Sharing using Android Gadgets “,*International Journal of Computer Science and Network (IJCSN)*,vol.5,Issue 3,June 2016.

- [7]. **Prof.Suvarna L. Kattimani**,SanaFalak I. jakati ,Heena M. Sangtrash, “Optimal Distributed Feature Extraction for Large Scale Images Using Hadoop Framework”, *International Journal of Scientific Engineering and Applied Science(IJSEAS)*,vol.2, Issue 5, May 2016.
- [8]. **Prof.Suvarna L.Kattimani** and Mrs.Kanchan Mallinath Wangi,”A survey on Cloud Computing: Issues, Challenges and Services Applications”, *International Journal of Emerging Technology in Computer Science and Electronics(IJETCSE)*,vol.23,Issue 6,October 2016.
- [9]. **Prof.Suvarna L.Kattimani** and Saba Parveen Bagadadi,“Analytical Review on Semantic Query Tag Based Video Retrieval”, *International Journal of New Innovations in Engineering & Technology (IJNIET)*, Volume 6, Issue 4, January 2017.
- [10]. **Prof.Suvarna L.Kattimani** and Saba Parveen Bagadadi, “Analytical Review on Textual Queries Semantic Search based Video Retrieval”, *International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)*-Volume 6, Issue4, April 2017.
- [11]. **Prof.Suvarna L.Kattimani** and Mrs.Kanchan Mallinath Wangi, “Academic Resources Architecture Framework Planning using ERP in Cloud Computing”, *International Research Journal of Engineering and Technology (IRJET)*-Volume 4, Issue 7, July 2017.
- [12]. **Prof.Suvarna L.Kattimani** and Mrs.Kanchan Mallinath Wangi, “Enterprise Resource Planning (ERP) for academic Architecture Framework using Cloud Computing”, *International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)*- Volume 6, Issue 7, July 2017.
- [13]. Prakash H. Unki , Suvarna L. Kattimani and B. G. Kiran kumar, ”**CP-ABE Based Mobile Cloud Computing Application for Secure Data Sharing**”, © Springer Nature Switzerland AG 2020 J. Hemanth et al. (Eds.): ICICI 2019, LNDECT 38, pp. 1–7, 2020. [https://doi.org/10.1007/978-3-030-34080-3\\_64](https://doi.org/10.1007/978-3-030-34080-3_64)
- [14]. Suvarna Nandyal, Suvarna Laxmikant Kattimani, “**BIRD SWARM OPTIMIZATION-BASED STACKED AUTOENCODER DEEP LEARNING FOR UMPIRE DETECTION AND CLASSIFICATION**”, *Scalable Computing: Practice and Experience*, ISSN 1895-1767, <http://www.scpe.org> © 2020 SCPE. Volume 21, Issue 2, pp. 173–188, <https://doi.org/10.12694/scpe.v21i2.1655>

### National/International Conferences

- [1]. Dr.Suvarna Nandyal and **Mrs.Suvarna.L.Kattimani**,”Issues and Challenges of Semantic Query Based Automatic Highlights Extraction from Cricket Video: Analysis”, *National Conference on Computer Science and Information Technology (NCCSIT-2017)*, ISBN: 978-93-84803-00-1,4<sup>th</sup> March 2017.
- [2] **Prof.Suvarna.L.Kattimani** and Gopichand Rathod, “QOS aware an Anonymous Location-Based Efficient Routing Protocol in MANETS”, *in the Proc. of Emerging Research in*

*Computing, Information, Communication and Applications (ERCICA-2014)*, pp-, 01 - 02, August, 2014, Elsevier publications (ISBN:9789351072638),Bangalore, India

- [3]. **Prof.Suvarna.L.Kattimani** and Mr.Vinayak Patil, “Mobility based stable Node Selection using Adaptive Position update for Geographic Routing in MANET”, *in the Proc. of Emerging Research in Computing, Information, Communication and Applications (ERCICA-2014)*, pp-, 01 - 02, August, 2014, Elsevier publications (ISBN:9789351072638),Bangalore, India.
- [4]. Prof.Mamatha V.Jadhav and **Prof.Suvarna L.Kattimani**, ”Effective detection mechanism for TCP based hybrid covert channels in secure communication”, *in the proc. of International Conference on Emerging Trends in Electrical and Computer Technology (ICETECT-2011)*, pp-, 23rd & 24<sup>th</sup> March, 2011, Tamilnadu, India.
- [5]. Mr.Anirudh Atwadkar and **Prof.Suvarna L.Kattimani**, “Survey Privacy Preserving Public Mechanism For Shared Data in Cloud Computing Environment”, *in the proc. of International Conference on Recent Innovations in Science, Engineering and Management(ICRISEM)*,ISBN:978-81-931039-4-4,30<sup>th</sup> May 2015,NewDelhi.
- [6]. **Prof.Suvarna L.Kattimani** and Mrs.Kanchan Mallinath Wangi,”A survey on Cloud Computing: Issues, Challenges and Services Applications”, *in the proc. of International Conference on Current Research and Applications in Electrical Science (ICCRAES-16)*, pp-, 4th and 5<sup>th</sup> October 2016, Karnataka, India.
- [7]. Mr.Vilas Balaganur and **Prof.Suvarna L.Kattimani**, “A Survey on Handling Big Data Issues by Improving Performance of Hybrid Cloud Management Through Agent Based Cloud Computing Framework”, *in the proc. of International Conference on Emerging Trends in Technology, Science and Upcoming Research in Computer Science (ICDAVIM-15)*, ISBN:978-81-931039-3-7,25<sup>TH</sup> April 2015,NIT,Faridabad,India.
- [8]. Mr.Jaheer Ahmed Indikar and **Prof.Suvarna L.Kattimani**, “Dynamic Trust and Security Management Protocol for Delay Tolerant Networks”, *in the proc. of International Conference on Recent Innovations in Science, Engineering and Management (ICRISEM)*, ISBN: 978-81-931039-4-4,30<sup>th</sup> May 2015, New Delhi.