

BIODATA

1. Name : Dr. Shankaraiah.
2. Date of birth : 06-06-1968
3. Profession : Professor
Department of Electronics and Communication Engg,
Sri Jayachamarajendra College of Engineering,
Mysore – 570 006
4. Contact Details : Phone: 091-821-2548285 to 2548289
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5. Residential Address : #99, Siddalingeswara Nagar, Second stage,
Bogadi North, Mysore 570 026
6. Years with firm : 21 Years
7. Industrial Experience : 1 Year
8. Academic Details:

Sl. No.	Degree	Year	Subject	University/Institution
1	Ph.D.		Electrical Communication Engineering	Indian institute of Science, Bangalore, India.
2	M.Tech		Digital Electronics and Communication system	University of Mysore, India.
3	B.E		Electronics and Communication Engineering	University of Mysore, India.

9. Teaching Experience:

Sl. No	Position Held	Name of the Institution	From	To
1	Professor	Sri Jayachamarajendra College of Engineering, Mysuru	2020	2021
2	Professor & Head	Sri Jayachamarajendra College of Engineering, Mysuru	2017	2020
3	Professor	Sri Jayachamarajendra College of Engineering, Mysuru	2012	2017
4	Associate Professor	Sri Jayachamarajendra College of Engineering, Mysuru	2006	2012

5	Assistant Professor	Sri Jayachamarajendra College of Engineering, Mysuru	2003	2006
6	Lecturer	Malnad College of Engineering, Hassan	1997	2003

10. Courses Taught:

Sl. No	Degree Level	Course Tught	
		Theory	Laboratory
1	UG	1. Communication Networks. 2. Microprocessors. 3. Advanced Microprocessors & Micro-controllers. 4. Networking. 5. Embedded systems. 6. Linear algebra and applications	1. Microprocessor 2. Micro-controller 3. CCN. etc.
2	PG	1. Network Programming. 2. SOC. 3. Advanced Micro-controllers. 4. Mobile computing. 5. Microprocessors & applications. 6. Web services 7. Linear algebra and applications	Networking lab Computer network lab.

11. Projects Guided/Guiding:

Sl. No	Degree Level	Number of Students	Status
1	UG	33	Guided
2	PG	63	Guided
3	Ph.D.	10	Guiding

12. Life Membership to Professional Organization:

- Indian Society for Technical Education, India.
- Member of Institution Engineers, India.

13. Abroad Visit for Paper Presentation:

- Wuhan, China.
- Singapore.
- Malaysia.

14. Research Interests:

- Wireless Networking.

- Hybrid wireless Networks.
- Context Aware Computing.
- Ubiquitous Networks.
- Security in Mobile Communication.
- Privacy Issues in WSN.
- Software defined networks

15. Responsibilities:

- Department Coordinator for TEQIP –II.
- Computer communication Lab in charge.

16. Additional Responsibilities:

- Chairman, BOS in Electronics, DOS in Electronics, UOM, Mysore.
- Member BOE, Electronics and communication Engineering, SJCE, Mysore.
- Member BOE, Electronics Board, UOM, Mysore.
- Member BOE, Electronics and communication Engineering, UVCE, Bangalore University, Bangalore.
- Member BOE, Electronics and communication Engineering, MSRIT, Bangalore.
- Member BOE, DOS in Computer Science, Mangasagangothri, Mangalore University, Mangalore.
- Certified Trainer for CISCO CCNA Courses.
- Session chair for second International Conference on advances in Computing Communications and Informatics (ICACCI 2014).
- Session Chair for International Conference on Signal processing, Image processing and VLSI at DBIT, Bangalore.

17. Special Lecture Given:

- Special lecture on “Computer Communication Network” is given at JSS Girls poly techniques, Mysore-06
- Special lecture on “Computer Communication Network” is given at JSS Boys poly techniques, Mysore-06
- Special lecture on “Wireless Network Security” is given at IETE, Saraswathipuram, Mysore-09

- Special lecture on “Wireless Communication and its Avenue for Research” is given at VVIET, Mysore.

18. List of Research Papers Publications:

List of Research Papers Published in International Journals

1. Shankaraiah and P. Venkataram, “Transaction-based bandwidth allocation in a hybrid wireless superstore environment”, International journal of Wireless Information Networks, June 26, 2010. [Impact Factor-1.17]
2. Shankaraiah and P. Venkataram, “Transaction-based Quality of Service Management in a Hybrid Wireless Superstore Environment “accepted in International Journal of Computer Networks and Information Security(IJCNIS), Volume 3, No.2, 2011. [Impact Factor- 0.726]
3. Shankaraiah and P. Venkataram, “A dynamic topology management technique for hybrid wireless superstore network”accepted in International Journal of Computer Networks and Information Security (IJCNIS), Volume 3, No. 2, 2011.[Impact Factor- 0.726]
4. Shankaraiah and Basavaraju. G, “Verification of C/C++ IP models using RTL VCD files and STL files to accelerating product time to market”, International Journal of computer and communication technology(IJCCT), volume 4, issue 2, 2012 [Impact Factor- 0.597]
5. Mr. Kiran Kumar P. S and Dr. Shankaraiah.” Intelligent students tracking system in campus based on RFID and Zigbee”, International Journal of Electronics and Communication engineering &Technology (IJECEt)". Volume 5, Issue 8, August (2014). [Impact Factor- 7.283]
6. Pratima Bhat, Bushra Alam, Dr Shankaraiah, Karamjit Kaur "Online Spreadsheet Editor - A Migration Solution from Oracle Forms to ADF". International Journal of Computer Trends and Technology (IJCTT) V22 (2):81-85, April 2015. ISSN: 2231-2803. www.ijcttjournal.org. Published by Seventh Sense Research Group. The DOI number is :10.14445/22312803/IJCTT-V22P116 [Impact Factor-2.75]
7. Tanuja P Pargar and Dr. Shankaraiah.” A Kinematics Update State Hypotheses Information Surveillance Model for a Moving Train”, International Journal of Electronics Engineering (ISSN: 0973-7383), Volume 5, Issue 8, August (2015). [Impact Factor- 4.1]
8. Suresha V and Dr.shankaraiah,” Performance Analysis of Vertical Handoff in Heterogeneous Wireless Networks based on Game Theory”, “International Journal of Enhanced Research in Science, Technology & Engineering, ISSN No: 2319-7463”, Vol. 3, Issue 11, November – 2015 [Impact Factor- 4.059]
9. Rashmi S and Dr, Shankaraiah “Analysis of Voltage Sag in Sub Transmission System”, International Journal of Advanced Engineering Research and Science

(IJAERS) Vol-3, Issue-9, Sept-2016, ISSN:2349-6495(P), DOI:10.22161/ijarers/3.9. [Impact Factor- 1.317]

10. Tanuja. P. Patgar and Dr. Shankaraiah “A Heterogeneous Access Remote Integrating Surveillance Heuristic Model for a Moving Train in Tunnel” International Journal of Intelligent System and Application (IJISA), Volume 8, N-3, pp 59-65, 2016. [Impact Factor- 0.743]
11. Tanuja P. Patgar and Dr. Shankaraiah “Performance Analysis of Multi-Source Data Fusion Tracking Algorithm for Ground Based Surveillance Model to Monitor the Moving Locomotive” International Journal of Advances in Computer and Electronics Engineering (IJACEE), Volume: 01 Issue: 03, pp. 23 – 30, 2016. [Impact Factor-]
12. Tanuja P. Patgar and Dr. Shankaraiah “The Impact of Hybrid Data Fusion Based on Probabilistic Detection Identification Model for Intelligent Rail Communication Highway” International Journal of Sensor and its Applications for Control System (IJSACS), Volume 4, N0-02, pp 9-20. 2016. [Impact Factor-]
13. R. Satyanarayana and Dr. Shankaraiah “Bandwidth Enhancement of 4GHZ RMSA for Wireless Communication Application” International Journal of Research in Engineering and Technology (IJRET), Volume 5, Special Issue 21, pp 38-41. Nov-2016. [Impact Factor- 3. 5]
14. Rashmi S and Dr, Shankaraiah “A Novel Faulty Phase Identification Algorithm and Fast DQ Transform Technique for Voltage Sag Detection”, Journal of Circuits, Systems and Computers, Vol. 26, No. 12 (2017) 1750204(17 Pages), Word Scientific Publishing Company DOI: 10.1142/S0218126617502048 [Impact Factor- 0.47]
15. Rashmi S and Dr, Shankaraiah “An Improved Algebraic Method for Finding the Jump Height of Iced Transmission Lines”, International Journal of Computer Applications, Vol. 171, No. 5, Aug (2017) ISBN: 973-93-80897-00-6, DOI: 10.5120/ijca2017915034 [Impact Factor- 3.12]
16. Tanuja P. Patgar and Dr. Shankaraiah “Tracking of locomotive using IMM-Based Robust Hybrid Control Algorithm” International Journal of Sensor and Sensor Network (IJSSN), Volume 9, N-4, PP-47-52, 2017. [Impact Factor-]
17. Tanuja P. Patgar, and Dr. Shankaraiah “Applications of Sensor Matching Control for Locomotive Trajectory Tracking: A Design Concept” International Journal on Computer Application (IJCA), Volume 5, PP 78-82, 2017. [Impact Factor- 3.15]
18. Tanuja P. Patgar and Dr. Shankaraiah “Di-Sensor α - β Model Based SMC Tracking Algorithm for Moving Train Surveillance in Tunnel” Elsevier International Rail Transport Planning and Management (IJRTPM) -----Accepted (2017) Under Publication Process. [Impact Factor- 3.05]
19. Suresha V and Dr. Shankaraiah, “Multi Attribute Vertical Handoff Algorithm for Heterogeneous Networks”. International Journal of Advances in Computer and Electronics Engineering. Volume: 02 Issue: 03, March 2017, pp. 22–27. ISSN: 2456 – 3935(Scopus indexed). [Impact factor-0.63]

20. Rashmi S and Dr, Shankaraiah “An Affine Arithmetic Approach to Model and Estimate the Safety Parameters of AC Transmission Lines”, International Journal of Image, Graphics and Signal Processing (IJIGSP), Vol. 10, No. 1, pp.11-22,2018 DOI: 10.5815/ijigsp.2018.01.02 [Impact Factor- 0.722]
21. Suresha V and Dr. Shankaraiah, “Enhanced Vertical Handoff Decision Approach for the Multimedia Data in Heterogeneous Wireless Network”. International Journal of Computer Networks and Wireless Communications (IJCNCW). (Paper accepted date: 15.01.2018). (UGC approved journal). [Impact factor: 0.765].
22. R. Satyanarayana and Dr. Shankaraiah “Performance Enhancement of Rectangular Microstrip Patch Antenna using Multiple DGS Technique” International Journal of Applied Engineering Research. [**UGC Approved Journal, Super indexed Journal**] (IJAER), Volume 13, Number 6, pp 3867-3880. 2018. [Impact Factor- 0.15]

List of Research Papers Published in International Conference:

1. Shankaraiah and P. Venkataram, “Bandwidth Management in a hybrid Wireless Networks: For superstore Applications”, In the Proc of 2010 IEEE International conference on communication systems (IEEE ICCS 2010), PP. 90-91 Singapore, Nov. 17-19, 2010.
2. Shankaraiah and P. Venkataram, ”Bandwidth Management in Hybrid Wireless Network: For Remote Healthcare Applications”, In the Proc. of 2009 IEEE-9th Malaysia international conference on communications(MICC 2009), Seri Pacific Hotel, Kuala Lumpur, PP. 779 - 784 , Malaysia, Dec. 15-17, 2009.
3. Shankaraiah and P. Venkataram “Policy-Based QoS Management in a Hybrid Wireless Superstore Environment”, IEEE International conference on Networks Security, Wireless Communication and Trusted Computing, 23-24 April 2011, Wuhan, China.
4. Shankaraiah Ningaiah and Pallapa Venkataram, “Topology management in a hybrid wireless superstore network”, IEEE International conference on Networks Security, Wireless Communication and Trusted Computing, 23-24 April 2011, Wuhan, China.
5. Shankaraiah and Sushanth, “2-D implementation of Digital Gabor Filter Design Using VERLOG”, International Conference On Electrical Engineering And Computer Science (ICEECS), May 12th & 13th 2012 pp277-281, Trivendrum.
6. Shankaraiah and Vishak. M, “ Implementation of RSA Key Generation based On RNS Using VERILOG”, International Conference On Electrical Engineering And Computer Science(ICEECS), May 12th & 13th 2012 pp215-220, Trivendrum.
7. Shankaraiah and Basavaraju. G,” Verification of C/C++ IP models using RTL VCD files and STL files to accelerating product time to market”, International Conference on computer Science and information technology, 10th June 2012, Tirupati, Andra Pradesh, India.
8. Shankaraiah and Shilpa Sajjan, “Single parameter display for IBP (Invasive Blood pressure) Module”, International Conference on advances in computing, communications and informatics (ICACCI-1012), 3rd -4th August 2012.

9. Shankaraiah & Deepa. S.K., “Design and VLSI Implementation of Cost-Efficient High speed 12bit pipe line ADC in 0.18um Digital CMOS” National Conference on recent advancement in Engineering(NCRAE1212), SETI, Panhala.
 10. Basavaraju.G, Praveen Kondugari , Dr.Shankaraiah “ Accelarting performance of an VM with re-ordering of an input/output requests at virtual Machine monitor level”, IEEE international conference on Computer communication and system, Saveetha engineering college, Chennai on 20th and 21st of February 2014.
 11. Mr. Purusothma P. K and Dr. Shankaraiah. “Gesture Based Finger Print Authentication System for Network Security and Mobile Devices in Heterogeneous Wireless Network”, International Conference on Signal Processing, Image Processing and VLSI (ICrtSIV 2014) at DBIT, Bangalore on 21st and 22nd of February 2014.
 12. Mrs. Vanajakshi and Dr. Shankaraiah. “Application Aware Context Classification for Mobile Services”, International Conference on Signal Processing, Image Processing and VLSI (ICrtSIV 2014) at DBIT, Bangalore on 21st and 22nd of February 2014.
 13. Mr. Kiran Kumar P. S and Dr. Shankaraiah.” Intellegent students tracking system in campus based on RFID and Zigbee”, Proceedings of the 2nd International Conference on Current Trends in Engineering and Management ICCTEM -2014,17 – 19, July 2014, Mysore, Karnataka, India.
 14. R. Satyanarayana and Dr. Shankaraiah “Performance Enhancement of Probe Fed Microstrip Patch Antenna for Wireless Application” International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICEECOT), IEEE. 978-1-5386-2361-9/17.
19. Training/Seminars/Workshop Attended:
1. Attended the 7day training program on “ Management capacity enhancement program” from 16th Nov to 22nd Nov 2015 at IIM Indore, MP.
 2. Two day’s workshop on “Essentials of LateX”, from 5th Sept 2014 to 6th sept 2014 at SJCE , Mysore.
 3. Attended the 3days workshops on “Convex optimization for wireless networks” at IIT Kanpur, UP.
 4. Attended the 2-day training program on “Internet of Things”, at Ernet Lab, ECE department, IISc, Bangalore.
 5. Attended the one-day workshop on “Technological advances in M-Health and diagnosis of diseases are using Retinal imaging” at JSSRF, SJCE campus, Mysure-06.
 6. Attended the 2-day training program on “Recent Trends in Communication Technology” at SJCE, Mysore-06.
 7. Two-day faculty Development Workshop on “ Low Power Embedded Systems using MSP430 Microcontroller”, Organized by Department of Electronics and

Communication Engineering, S.J. college of Engineering, Mysore, from 11th - 12th January, 2012.

8. TEQIP sponsored one workshop on “Signals, Systems and Wavelets” Organized by Department of Electronics and Communication Engineering, S.J. college of Engineering, Mysore, from 21st Jan - 26th Jan, 2006.
9. Three-day workshop on "Embedded and Dedicated, Architecture and Programming for specific Applications", Organized by S.J. college of Engineering, Mysore, on 27-29 July 2005.
10. AICTE-ISTE sponsored short-term training programme on "Advanced Communication Systems” Organized by Department of Electronics and Communication Engineering, Shanmugha College of Engineering, Tirumalaisamudram, Thanjavur, from 12-25th March 2001.
11. AICTE-ISTE sponsored short-term training programme on "Cognition and Recognition Applications” organized by Department of studies in Computer Science, Manasagangothri, and Mysore from 11th June 2001 to 23rd June 2001.
12. AICTE-ISTE sponsored short-term training programme on "Stochastic Processes and their Applications in Engineering” organized by Department of Mathematics, REC Calicut, and Kerala from 30th July to 10 August 2001.
13. AICTE-ISTE sponsored short-term training programme on " Recent trends in Communication Engineering” Organized by Department of Electronics and Communication Engineering, Shanmugha College of Engineering, Tirumalaisamudram, Thanjavur, from 8th -21st March 2000.
14. AICTE-ISTE sponsored short-term training programme on "Robotics for Industrial Applications", Organized by Department of Mechanical Engineering, MCE, Hassan, from 15-27th March 1999.
15. Two day State level Conference On “3rd State Level Science and Technology Conference-2012” on the title “Role of Science & Technology in Rural Development”, organized jointly by KSCST, VGS&T and SJCE, from 31st July to 1st August 2012
20. Workshop Conducted:
 1. Conducted 4 day workshop on “**Linear algebra for Electrical Sciences** ”at SJCE, Mysore
 2. Conducted One week FDP on “ **Internet of Things and its application** ”at SJCE, Mysore
 3. Conducted One week FDP on “ **Computational Linear algebra** ”at SJCE, Mysore

I hereby declare that all the above statements made by me are true to the best of my knowledge.

Date :
Place :

(Dr. Shankaraiah)