Resume

Name	Sujata V. Mallapur Professor and Head Department of Information Science & Engineering Faculty of Engineering & Technology (Exclusively for Women) Sharnbasva University, Kalaburagi
Address	w/o Veeresh P. Mallapur H. No. 1-30/(2C), Behind Modi Hospital SB Temple Road Gulbarga, Karnataka 585102 Email: sujatamallapur@gmail.com Mobile No.: 9845425629
Date of Birth	23-04-1983
Qualification	**Diploma (Computer Science & Engineering)** HKE's Polytechnic College, Gulbarga, Karnataka (Karanata Borad) in 2001. **B. E (Information Science & Engineering),** Poojya Doddappa Appa (PDA) College of Engineering, Gulbarga, Karnataka. (Visvesvaraya Technological University, Belgaum) India in 2004. **M. Tech (Computer Science & Engineering),** PDA College of Engineering, Gulbarga, Karnataka. (Visvesvaraya Technological University,Belgaum) India in 2004. **Ph. D** from Visvesvaraya Technological University, Belgaum, India
Area of Interest	Wireless Networks, Mobile Ad Hoc Networks (MANETs), Vehicular Ad Hoc Networks (VANETs)
Experience	15 years Teaching 6 Years Research
Professional bodies membership	Life Member of ISTE Life Member of IETE-236786 Member of IEEE – 92649089

1. Academic Data

Exam Passed	University /Board	Year	Class/ Division	Overall % of Marks	Brach/ Specialization
Ph. D	Visvesvaraya Technological University, Belgavi	2018	-	-	Electrical Sciences
M. Tech.	Visvesvaraya Technological University, Belgaum	2008	First Class with Distinction.	77%	Computer Science & Engineering
BE	Visvesvaraya Technological University, Belgaum	2004	First Class	64%	Information Science & Engineering
Diploma	Karnataka Secondary Education Examination Board	2001	First Class	61%	Computer Science & Engineering
SSLC	Karnataka Secondary Education Examination Board	1998	First Class	74%	**---**

2. Professional Career

Period	Years	Organization	Designation	Nature of work / responsibility
1-7-2018 To Till Date		Sharnbasva University, Kalaburagi	Processor and Head	Academic, Teaching, Research & Development and Administration
01-08-2017 To 30-06-2018	0.9	Sharnbasva University, Kalaburagi	Associate Professor and Head	Teaching and Administration
01-10-2012 To 31-07-2017	5.7	Godutai Engineering College for Women, Kalaburagi	Associate Professor and Head	Teaching and Administration
1-6-2008 To 30-06-2012	4	Appa Institute of Engineering College, Kalaburagi	Assistant Professor	Teaching
1-4-2005 To 30-6-2008	3.2	Appa Institute of Engineering College, Kalaburagi	Lecturer	Teaching

3. ADMINISTRATIVE EXPERIENCE:

1. Currently working as a Head and professor, Information Science & Engineering, Faculty of Engineering & Technology (Exclusively for Women), Sharnbasva University, Kalaburagi.
2. Involved in the preparations of various affiliation process like VTU/AICTE/UGC.
3. Currently BOS and BOE member, department of Computer Science & Engineering (CSE) and Information Science & Engineering (ISE) (UG and PG Courses), Sharnabsava University. Kalaburagi-

4. Worked as a Co-coordinator for 3 day International Conference on recent trends in Science, Engineering Business studies, Humanities & Social Science (ICSEBSHS-2K19) from 30 Aug. – 1 Sep. Organized by Sharnbasva University, Kalaburagi.
5. Acted as a co-coordinator for the International conference on Internet of Things (IconIoT-2017) 28th Feb. & 1st March 2017 Organized by Sharnbasva University, Kalaburagi.
6. Member, BoE, CSE board, PDA College of Engineering, Kalaburagi, for the academic year 2019-20.
7. Worked as a chief superintendent of university examinations.
8. Worked as a deputy chief superintendent of university (VTU) valuation center
9. Paper Setter for various University Examinations and Autonomous Institutions of CSE/ISE Board
10. Involved in organizing various Technical events like seminar, FDP and Workshops.
11. Involved in organizing various Cultural Events, Sports Events etc.

4. Conferences /Workshops/ Symposiums co-ordinated.

1. Organized a Webinar on Full Stack Development from 19-4-2020-25-4-2020.
2. Coordinator for the Workshop on Python Programming and its Application from 29/3/2019 – 31/3/2019.
3. Coordinator for the three days workshop on Research Methodology & Technical Documentation using Latex from 3rd – 5th May 2018.

4. Coordinator for the International Conference on Internet of Things (IconIoT-2k17) and Workshop on Internet of Things conducted on 28 Feb & 1st March 2017 and 2nd March 4th 2017 in collaboration with APPA IET and Godutai Engineering College for Women, Kalaburagi.

5. Coordinator for "One week state level FDP on Emerging Trends in Teaching, Learning & Research", 4 – 9 Jan. 2016.

6. Coordinator for the workshop "Artificial neural network & fuzzy logic for pattern recognition applications using Matlab" 21 – 23 feb. 2016.

5. List of Publications

I. International Journals

1. Anand N Patil and Sujata V. Mallapur, Integrated Blockchain Manufacturing Design for Distributed Authentication, Validation and Secure Sharing of Events in VANET, Journal of Machine and Computing, 3(1) (2023), PP. 17-26, 2023.

2. Sunita K and Sujata Mallapur, "Optimal Detection of Border Gateway Protocol Anomalies with Extensive Feature Set", Communicated International Journal of Expert Systems with Applications.

3. Sunita K and Sujata Mallapur "Optimal Trained Hybrid Classifier for Border Gateway Protocol Anomaly Detection" Accepted for the Publication in International Journal of Swarm Intelligence Research (IJSIR), (ESCI and Scopus and Compendex Indexed Journal).

4. Arun Tadkal, Sujata Mallapur, Red deer optimization algorithm inspired clustering-based routing protocol for reliable data dissemination in FANETs, "Materials Today: Proceedings", Accepted for publication, Article in press. DOI: https://doi.org/10.1016/j.matpr.2021.12.527

5. Kiran Maka and S. Pazhanirajan and Sujata Mallapur, Selection of most significant variables to detect fraud in financial statements, Materials Today: Proceedings", Accepted for publication, Article in press. DOI: https://doi.org/10.1016/j.matpr.2020.09.613.

6. Swati S and Sujata Mallapur, "A Brief Review on Area Coverage Maximization in Wireless Sensor Networks", Design Engineering, Issue 8, PP. 11940 – 11952, 2021.

7. Anand N. Patil, Sujata V. Mallapur " A Systematic Review on Security-Based Routing Protocols for VANET's", Engineering Journal, Accepted for Publication.

8. Kiran Maka, Dr.S. Pazhanirajan, Dr. Sujata Mallapur. Literature Review: Detection Of Financial Statement Fraud-- Palarch's Journal of Archaeology of Egypt/Egyptology 17(7), 4874-4886. ISSN 1567-214x.

9. Sujata V. Mallapur, Siddarama R. Patil and Jayashree V. Agarkhed, "Multi constraints reliable multicast routing protocol for group communications in MANETs ", Springer International Journal of Information Technology, Volume 10, Issue 2, Pages 147 - 163, 2018, **(Published By Springer and Indexed by DBLP, INSPEC & UGC-CARE List , Google Scholar etc.),** DOI: https://doi.org/10.1007/s41870-018-0097-0.

10. Sujata V. Mallapur, Siddarama R. Patil and Jayashree V. Agarkhed, "Load Balancing Technique for Congestion Control Multipath Routing Protocol in MANETs ", **Springer Wireless Personal Communications**, Volume 92, Pages 749-770, 2017, **(Published By Springer and Indexed by Scopus, Google Scholar etc.),** DOI 10.1007/s11277-016-3575-3.

11. Sujata V. Mallapur, Siddarama R. Patil and Jayashree V. Agarkhed "A Stable Backbone-based on Demand Multipath Routing Protocol for Wireless Mobile Ad Hoc Networks ", International Journal of Computer Network and Information Security, Volume 8, Issue 3, Pages 41-51, March 2016. **(Published By MEMS Publications, (Published By MEMS Publications, Hong Kong and Indexed by Google Scholar, Microsoft Academic Search, CrossRef, Baidu Wenku, Index Copernicus, IET Inspec etc.)** DOI: 10.5815/ijcnis.2016.03.06.

12. Sujata V. Mallapur and Siddarama R. Patil, "Fuzzy Logic Based Trusted Candidate Selection for Stable Multipath Routing", International Journal of In- formation Technology and Computer Science, Volume 7, Issue 6, Pages 12-21,May 2015. **(Published By MEMS Publications Hong Kong and Indexed by Google Scholar, Microsoft Academic Search, CrossRef, Baidu Wenku, IndexCopernicus, IET Inspec etc.) ,** DOI: 10.5815/ijitcs.2015.06.02

13. Sujata V. Mallapur and Siddarama R. Patil, "Survey on Simulation Tools for Mobile Ad-Hoc Networks", International journal of Computer Networks and Wireless Communications, Volume 2, Number 2, Pages 241-248, April 2012.

14. Sujata V. Mallapur, Siddaram R. Patil, "A Novel approach of Simulation tools for mobile Ad Hoc Networks", International journal of computer science and Communication", Vol. 3, No.2, July –Dec 2012, pp. 1-10.

15. Subhashini V Gole, Sujata V Mallapur ,"Multipath Energy Efficient Routing Protocol" , International Journal of Research and Reviews in Computer Science (IJRRCS) for Vol. 2, No 4, 2011 (August 2011 issue), **(Indexed by DBLP, INSPEC & UGC-CARE List , ProQuest, Google Scholar etc.).**

16. Mrs. Sujata V Mallapur, Sujata Terdal, "Enhanced Ad-Hoc on Demand Multipath Distance Vector Routing Protocol (EAOMDV)", (IJCSIS) International Journal of Computer Science and Information Security, Vol. 7, No. 3, March 2010. **(Indexed by scopus, DBLP, INSPEC & UGC-CARE List , Google Schola.r etc).**

17. Sujata V. Mallapur " Predictive Preemptive Ad–Hoc on Demand Multipath Distance Vector Routing Protocol" , international journal of Computer Science & Emerging Technologies (IJCSET), Vol. 1, Issue 2, August 2010, pp. 155-159. **(Indexed by Google Scholar, ProQuest etc.).**

II.   <u>National/International Conferences</u>

1. Manjula A Biradar and Dr. Sujata Mallapur, "Reliable MANET Routing for Multimedia Communication", in IEEE conference on "International Conference on Advances in Computing, Communication and Applied Informatics", **28th & 29th January 2022** Doi: 978-1-6654-9528-8/22/$31.00.

2. Sunita K and Sujata Mallapur**, "**A Brief Analysis of Border Gateway Protocol for Internet Controlling and Malicious Attacks", Springer conference in International Conference on Computing, Communication, Electrical and Biomedical Systems, 25-26 March 2022.

3. Sujata V. Mallapur, Siddarama R. Patil and Jayashree V. Agarkhed, "Mobility-Aware Reliable Multicast Routing Protocol for MANETs", in IEEE Region 10 Conference **(IEEE**

TENCON 2018), Pages 0948 - 0953, 28-31 Oct. 2018 . **(Published By IEEE, Indexed by Scopus). DOI:** 10.1109/TENCON.2018.8650239.

4. Sujata V. Mallapur, "Direction-Based Energy Efficient Routing Protocol For WSN", In International Conference on Science, Engineering, Business Studies, Humanities and Social Sciences (ICSEBSHS – 2019), August 2019.

5. Sujata V. Mallapur, Siddarama R. Patil and Jayashree V. Agarkhed, "Mobility-Aware Reliable Multicast Routing Protocol For Wireless Mobile Ad Hoc Networks", in International Conference on Current Research and Applications in Electrical Science, Pages 95-98, 5-9 October 2016.

6. Sujata V. Mallapur, Siddarama R. Patil and Jayashree V. Agarkhed, "Multi Constrained Reliable Multicast Protocol using Network Coding in MANETs", in IEEE 8th international conference on communication systems and networks (COMSNETS 2016), Banglore, India, Pages 1-6, 5-9 January 2016. **(Published By IEEE, Indexed by Scopus). DOI:** 10.1109/COMSNETS.2016.7439967

7. Sujata V. Mallapur, Siddarama R. Patil and Jayashree V. Agarkhed, "Mobility Aware Recovery Technique for Reliable Multicast Routing Protocol in MANETs", in IEEE WIECON-ECE 2015, Dhaka, Bangladesh, 19-20 December 2015. **(Published By IEEE, Indexed by Scopus).**

8. Sujata V. Mallapur, Siddarama R. Patil and Jayashree V. Agarkhed, "Load Balancing Technique for Congestion Control Multipath Routing in Mobile Ad Hoc Networks ", IEEE TENCON 2015, Macao, Chaina, Pages 1-6, 1-4 November 2015. **(Published By IEEE, Indexed by Scopus). DOI:** 10.1109/TENCON.2015.7372836.

9. Sujata V. Mallapur, Siddarama R. Patil and Jayashree V. Agarkhed, "Multipath Load Balancing Technique for Congestion Control in Mobile Ad Hoc Networks", In proceedings of IEEE 5th International Conference on Advances in Computing and Communications (ICACC 2015), Cochi, Kerala, India, Pages 204-209, 3-5 September 2015. **(Published By IEEE, Indexed by Scopus). DOI:** 10.1109/ICACC.2015.97.

10. Sujata V. Mallapur and Siddarama R. Patil, "Fuzzy Logic-based Stable Multipath Routing Protocol for Mobile Ad Hoc Networks ", Eleventh IEEE India International Conference - (INDICON 2014), Pune, India, Pages 1-6, December 11-13 2014. **(Published By IEEE, Indexed by Scopus). DOI:** 10.1109/INDICON.2014.7030670.

11. Sujata V. Mallapur and Siddarama R. Patil, "Route Stability Based on Demand Multipath Routing Protocol for Mobile Ad Hoc Networks ", IEEE third International Conference on Communication and Signal Processing, Chenai, India, Pages 1288-1292, April 3-5, 2014. **(Published By IEEE, Indexed by Scopus). DOI:** 10.1109/ICCSP.2014.6950167.

12. Sujata V. Mallapur and Siddarama R. Patil, "Stable Backbone Based Multipath Routing in Mobile Ad Hoc Networks", IEEE International Conference on Circuit, Power and

Computing Technologies (ICCPCT 2013), Tamilnadu, India, Pages 1105-1110, 21-23 March 2013. **DOI:** 10.1109/ICCPCT.2013.6528991,**(Published By IEEE, Indexed by Scopus).**

13. Sujata V. Mallapur, "Enhanced Ad Hoc on Demand Multipath Distance Routing Protocol, in proceedings of the National Conference on Wireless Networks, pp. 39-43, 20-21 August 2011.

III. Patents Publications/Design:

1. Artificial Intelligence-Based Smart Touch Less Medicine Dispensing System for Pharma Field, Application No.202141038793A
2. Synthesis Of E-Waste Based on Machine Learning & Artificial Intelligence Autonomous Management System for Smart Environment, Application No.202141044783A.
3. **Secured Health Monitoring System using Cloud Computing,** Application No.202241006303A.
4. **Multi-objective Optimization Technique for task Scheduling in Cloud Computing Environment,** Application No.202311003515.

IV. Book Chapter

1. Sunita Mala, Sujata Mallapur, A Brief Analysis of Border Gateway Protocol for Internet Controlling and Malicious Attacks. International Conference on Computing, Communication, Electrical and Biomedical Systems. EAI/Springer Innovations in Communication and Computing. Springer, Cham. https://doi.org/10.1007/978-3-030-86165-047, 2022.
2. Chapter Name: AI in Healthcare, Recent Trends in Computer Science.
3. Chapter Name: AI and IoT-based intelligence heart rate monitoring system, Book Title: AI and IoT-based intelligent Health Care & Sanitation, published by BENTHAM Science, Publisher, 2023.

V. Research Grant/Project Grant

- Sectioned the Research grant for "Personalized Health Monitoring System using Internet of Things and Machine Learning" under the Research Promotion Scheme by *AICTE Quality Improvement Schemes.*
- IoT Based Night Vision Patrolling Robot for Women Safety, 43rd Series of Student Project Programme: 2019-20, Karnataka State Council for Science And Technology.
- Intelligent Agriculture Monitoring System for Smart Farming Using Machine Learning Technique, 45th series of Student Project Programme (SPP): 2021-22, Karnataka State Council for Science And Technology.

VI.   <u>Citations</u>

Publications: 30 | Citations: 196 | H-Index: 8 | i10 index: 8
Area of Interest: Ad hoc Networks, Wireless Networks, Artificial Intelligence

VII.   Reviewer:

- Acted as Reviewer of IEEE Access Journal, International Journal of Communication System published by Wiely, Elsevier Journal of Array, IEEE International conference ICDCECE-2022, ICMNWC-2021 etc..

VIII.   Awards Received.

Sl. No.	Name of Award	Awarded in the year
1.	Best Kalyan Karnataka Teacher	2021
2.	Karnataka Shikshana Seva Ratna Award	2021
3.	Women Excellence Award	2022
4.	VGST-Award for research Publication	2022
5.	Women Excellence Award	2023

6. Courses/seminars/conferences/Workshops/Symposiums attended

1. Successfully completed Microsoft, SAP & AICTE ATAL led Faculty Development Program on "Artificial Intelligence" under TechSaksham Program from 16th to 20th January 2023.
2. Successfully completed the recently held training program titled "IIT Kanpur Intensive Training School ITS on PYTHON for Machine Learning Neural Networks and Deep Learning on dated 10th to 30th September, 2022", organized by Prof. Aditya K. Jagannatham, EE Department, IIT Kanpur.
3. Attended Online One-Week National Level Faculty Development Programme on "Artificial Intelligence, Machine Learning & Applications" from 25 th July to 29 th July – 2022.
4. Attended BEL-IETE Symposium-2022 from 18,19 and 20 May 2022 held at BEL, Banglore.
5. Participated in the webinar "IEEE - ABET Webinar on Accreditation and Quality Engineering Education in South Asia" organized by IEEE India Council conducted on 08 July 2020
6. Participated in has participated in TEQIP-III sponsored online Faculty Development Programme on "Six Sigma" held from 6th to 10th July 2020 Organized by Internal Quality

Assurance Cell (IQAC) and Department of Electronics and Instrumentation Engineering, Basaveshwar Engineering College (A), Bagalkot, Karnataka, India.

7. Participated in one day webinar on "Machine learning with Python and Cloud Deployment" organized by Faculty of Engineering and Technology(Co-Ed) (APPA Institute of Engineering & Technology), Department of CSE on 09th July 2020, Sharnbasva University, Kalaburagi.

8. Participated in a webinar on "Course Outcomes for Outcome Based Education (OBE)" organized by Faculty of Engineering and Technology (Exclusively for Women), Department of Electronics & Communication Engineering on 9th July 2020, Sharnbasva University, Kalaburagi.

9. Participated in one week (Online) Faculty Development Program On "Data Science Behind Natural Language Processing" organized by the Department of Information Technology, Kakatiya Institute of Technology & Science, Warangal during 6th to 10th July, 2020.

10. Participating in Five Days National Level Online Faculty Development Programme On "Current Trends And Research Opportunities In Information Technology" Organized by the Department of Computer Science and Engineering, Tontadarya College of Engineering from 6th July to 10th July 2020.

11. Participated in the certification program on "Natural Language Processing with Python" organized by Department of Computer Science & Information Science Engineering, R R Institute of Technology from July 1st to 11th , 2020.

12. Participated in Online Three Days Faculty Development Program on "Cyber Security & Block chain Technology" from 3-7-2020 to 5-7-2020 organized by the Department of Computer Science and Engineering, Lakshmeshwar.

13. Successful completed one-week online Certificate Course on DIGITAL TEACHING TECHNIQUES organized by ICT Academy from 29 Jun 2020 to 04 Jul 2020.

14. Participated in Five Days Faculty Development Program on Block Chain Technologies held between the 25th and 29th June 2020 organized by the School of Computing and Information Technology, REVA University, Bangalore.

15. Participated in the "Webinar series on "Effective Usages of Educational Technology in Teaching-Learning Process as a Part of NBA Accreditation" Organized by Computer Science & Engineering, Electronics and Communication Engineering, Medical Electronics Engineering in association with IQAC-MARIT under Margadarshan Scheme AICTE from 22 June – 26 June 2020.

16. Participated in International Level One Week Faculty Development Programme on Advanced Data Science and its Applications organized by Department of CSE & IT, BVRIT HYDERABAD College of Engineering for Women from 22nd June to 26th June 2020.

17. Participated in 3 Day Virtual Hands-on Training Program on Python for Data Analysis held between the 17th and 19th June , 2020 organized by School of Computing and Information Technology, REVA University, Bangalore.

18. Participated in National Level One-Week Faculty Development Programme on "Machine Learning Based Project Architecture Design", under TEQIP-III, held from 15th to 19th June 2020 Organized by Departments of Information Science & Engineering and Electronics & Communication Engineering, Basaveshwar Engineering College (A), Bagalkot, Karnataka, India.

19. Successfully Completed the Virtual Faculty Development Program on "Research Trends in Information Technology" Organized by Department of Information Science & Engineering, Smt. Kamala & Sri Venkappa M. Agadi College of Engineering & Technology, Laxmeshwar, from 10/06/2020 to 12/06/2020.

20. Participated in the Online Webinar on "Intellectual Property Rights Patent Filing Procedure" on 9th June 2020, organized by the Department of Computer Science and Engineering, KLE Institute of Technology, Hubballi.

21. Participated in One Week Faculty Development Program on "Python" organized by Department of Computer Engineering, Shri Vile Parle Kelavani Mandal's Institute of Technology Dhule in association with Spoken Tutorial Indian Institute of Technology Bombay, conducted from 01st June 2020 to 07th June 2020.

22. Participated in Three Days Online Faculty Development Program on "Emerging technologies in IT Industry" from 28-05-2020 to 30-05-2020 Organized by Jain College of Engineering, Belagavi, Karnataka.

23. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 18-05-2020 to 22-05-2020 at National Institute of Technology Nagaland.

24. Participated in one Week Faculty Development Program on "Applications of Lab VIEW in Teaching and Research" from 17th -22nd June 2019 at Department of Electronics and Communication Engineering & Technology, Sharnbasva University, Kalaburagi, Karnataka, India.

25. Participated TEQIP-III Sponsored Industry Collaborative One Week training Program on "CYBER SECURITY" Under ISTE Student Chapter held on 14th – 18th March 2019 conducted by Department of Computer Science & Engineering, PDA college of Engineering, Kalaburagi.

26. Participated in AICTE Sponsored two week FDP on "Biomedical Signal Processing and Analysis for Cognitive Neuroscience Study" held from 1st to 12th January, 2018 at Poojya Doddappa Appa College of Engineering, Kalaburagi.

27. Presented paper in International Conference on Current Research and Applications in Electrical Science (ICCAES – 2016), at PDA College of Engineering, Kalaburagi.

28. Presented paper in Eleventh IEEE India International Conference -(INDICON 2014), Pune, India.

29. Presented paper in "IEEE third International Conference on Communication and Signal processing", organized by Adhiparashakti Engineering College, Tamilnadu, India on April 3-5, 2014.

30. Participated/ Co-ordinated in one week workshop on Advanced Techniques for simulation of Wireless Networks, organized by department of Computer Science and Engineering, Godutai Engineering college for women, Gulbarga from 13th to 17th Feb 2014.

31. Participated in Four Days Faculty Development Program on "Role of Teachers : Challenges & Opportunities in Technology" y, jointly organized by, VTU Regional Office, Gulbarga in association with Vision Group of Science & Technology (VGST), a Govt. Karnataka from 7th to 10th May 2014.

32. Participated in 04 Days FDP program on ORACLE PL/SQL, jointly organized by Appa Institute of Engineering and Technology, Gulbarga and VGST, a Govt. Karnataka from 3rd to 6th August 2013.

33. Participated in 02 days National level Workshop on Network Simulator (NS-2), organized by department of Computer Science and Engineering, Appa Institute of Engineering and Technology, Gulbarga in association with SAT Infosys, from 22nd to 23rd June 2013.

34. Participated in 02 days National level Workshop on Network Simulator(NS-2), organized by department of Computer Science and Engineering, GND College of Engineering Bidar, from 22nd to 23rd Oct 2010in association with SAT Infosys.

35. Participated in " One Week Faculty Development Program on Recent Advances in Communications and Signal Processing (RACSP)", TEQIP Sponsored organized by department of Electronics & Communication Engineering at Poojya Doddappa Appa College of Engg., Gulbarga From 21st Jan 25th Jan 2013.

36. Participated in the 02 Days Workshop on Object oriented programming, organized by department of Telecommunication Engineering, Rural Engineering College, Bhalki, 4th to 05th March 2010.

37. Participated " two days workshop on Data Mining with prediction Analysis Software – Modeler 13 organized by department of Information Science & Engineering of Poojya Doddapa Appa College of Engineering, Gulbraga , on 17th – 18th April -2010.

38. Participated in a "Mission 10X workshop conducted at Poojya Doddapa Appa College of Engineering at Gulbarga from 9th February to 13 February 2009.

39. Participated and completed a workshop on "High Impact Teaching Skills" Attested by Dale Carengie & Associates, Inc. Trainer and Wipro on the 9th & 10 February 2009.

40. Participated in "Computer Teacher Training" organized in Appa Institute of Engineering and Technology, Gulbarga, from 8th April – 22th April 2008.

41. Participated Two days national seminar on "Mobile and Pervasive computing", Nov 24 & 25, 2006, Poojya Doddappa Appa College of Engg., Gulbarga.

42. Participated in the 03 Days Workshop on CGI Programming and Web Design, Organized by department of Computer Science and Engineering, PDA College of Engineering, Gulbarga, Under TEQIP, from 24th to 26th Sept. 2005.

43. Participated in "Technovision -2004 Project Exhibition" held by Poojya Doddappa Appa College of Engineering, Gulbarga held on 20 & 21 May 2004.
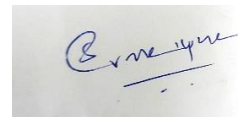
7. **Citations Index:**

Publications: 30 | Citations : 196 | H-Index : 8 | i10 index : 8
Area of Interest: Ad hoc Networks, Wireless Networks

8. Certification

- Successfully completed NPTEL course Data Science for Engineers (8 Weeks) on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.