FACULTY PROFILE

Name	:	**Shivakumar V. Saboji**
Designation	:	**Professor**
Department	:	**Computer Science and Engineering**
Employee ID	:	**TCSE001**
E mail ID	:	**sabojishivakumar@gmail.com**
Contact details	:	Professor Department of Computer Science and Engineering Basaveshwar Engineering College Bagalkot-587104
Orcid ID	:	0000-0003-3935-7026
Scopus ID	:	24734465700
Vidwan Id	:	124971
Researcher ID (Web of Science)	:	GNM-7732-2022
Google Scholar ID	:	0ugZwrgAAAAJ
Qualification	:	**PhD, M.Teh, BE**
Professional Experience	:	
Teaching experience		28
Administrative Responsibilities	:	Basaveshwar Engineering College Bagalkot- 587104 , Karnataka • Special Officer Exam Section (2025- till date) • Chief Coordinator for Central Valuation (2020-2025) • Head Of Department(HOD) of Computer Science and Engineering (2018-2020) • Chief Coordinator for Central Valuation (2016-2018)

- PG coordinator in CSE Department (2016-2018, 2022-till date)
- Departmental Selection committee member for PhD Programme under QIP.

No. of Projects Guided

UG	:	40
PG	:	20

Research : Wireless Mobile Networks, Cyber Security, Machine learning

Interest Area

Research Scholars:

1. Shivanand Manjaragi .

   Research topic: Secured vertical handover system for 4G wireless Networks.

   USN: 2BA16PEJ17   Year of Registration : 2016

   Year of PhD Degree Awarded: 7th March 2024

2. Shoba Baramgoudar (Registered to PhD)

   Research topic: Routing System in Opportunistic Networks.

   USN: 2BA17PEA09   Year of Registration: 2017

   Year of PhD Degree Awarded: 19th July 2024

3. Rudragouda Hiregoudar

   Reseach Topic : Cyber Attack Detection Using Deep Neural Network

   USN: 2BA20PCS005   Year of Admission :2021

Patents Published

1. " System for Cyber Attack Detection In IOT Devices and Method Thereof" IPR PATENT Application Number: 202441000349 , Filed date: 03-01-2024 PATENT Publication Date: 2-2-2024

Foreign Visit:

- Presented paper at World Congress on Science and Technology (WORLDCOMP'07), 2007, Las Vegus, Nevada, **USA.**

Research Projects Sanctioned:

1. TEQIP-II Grant OF Rs. 12,00,000/- received letter No. BECTEQIP/2015/-16/1021 on 20-11-2015 on establishment of "Wireless and Mobile Computing Lab".

2. CySek Bangalore approved Research project "Design and Implementation of Security Service in 5G wireless Networks" 2021-2022, CySeck, Research Development Programme, IISC Bangalore,KSCST, Bangalore, File No: KSCST/COE-CS/597, Dated: 25-01-2022

3. CySek Bangalore approved Research project "Cyber Security Threat Detection in Smart Agriculture Using Machine Learning Approaches " 2021-2022 and 2022-23, CySeck, Research Development Programme, IISC Bangalore, KSCST, Bangalore, File No: KSCST/COE-CS/365 Dated: 25-01-2022 and 27-09-2022

Publications

Books/Chapters:

1. Shivanand V. Manjaragi, S. V. Saboji **"**User Credibility-Based Trust Model for 5G Wireless Networks", Book Title: Intelligent Communication Technologies and Virtual Mobile Networks, Springer April 2022 ,

   DOI: 10.1007/978-981-19-1844-5_23

2. Shivanand V. Manjaragi, S. V. Saboji, G. B. Chittapur "Secured Vertical Handoff Using Machine Learning Technique In 5g Wireless Networks" Book title: Futuristic Trends in Network & Communication Technologies, vol. 3, 2023, IIP Book series: IIPV3EBS13_G24, www.iipseries.org, accepted

3. G. B. Chittapur, S. V. Saboji "Cyber security Penetrating investigation of IOT security issues and challenges " Book title: Futuristic Trends in Network & Communication Technologies, vol. 3, 2023, IIP Book series: IIPV3EBS13_G24, www.iipseries.org, accepted

Book Published:

- Shivakumar V. Saboji, Shivanand V. Manjargi "Interactive Computer Graphics-Programming Approach using OpebGL" KD Publications, ISBN- 978-93-48091-22-2, October 8,2024,

  Web Link: https://books.kdpublications.in/index.php/kdp/catalog/book/432

Research Articles Published :

1. Shivanand V. Manjaragi, S. V. Saboji "An Efficient Handover Authentication Mechanism Using Deep Learning in SDN-Based 5G HetNets" International Journal of Intelligent Engineering and Systems, Vol 17, 2023, ISSN: 2185-3118 , impact factor 2.5. Accpeted for publication

2. Shobha R. Bharamagoudar, Shivakumar V. Saboji "Social mobility and geo-context aware macroscopic routing scheme for mobile opportunistic network" Indonesian Journal of Electrical Engineering and Computer Science Vol. 31, No. 3, Publish on September 2023, pp. 1724~1734 ISSN: 2502-4752,

DOI: 10.11591/ijeecs.v31.i3.pp1724-1734

3. S. V. Manjaragi, S.V. Saboji "Fast user authentication in 5G heterogeneous networks using RLAC-FNN and blockchain technology for handoff delay reduction", Springer Journal on Wireless Netwoks (2023), Vol. 29, Issue 5, July 2023, impact factor:2.545,

    ISSN: 10220038, 15728196, https://doi.org/10.1007/s11276-023-03371-z

4. Bhavani Durga, S. V, Saboji, V. B. Pagi, S. M. Hatture "An Analytical Review on Traditional Farming and Smart Farming: Various Technologies Around Smart Farming" International Journal for Innovative Engineering and Management Research(IJIEMR), Elsevier SSRN journal, Special Issue 1, Feb 2023 PP 66-85, ISSN:2456-5083,.Imapct factor: 7.812, DOI: 10.48047/IJIEMR

5. Shobha R. Bharamagoudar, Shivakumar V. Saboji "Location-aware hybrid microscopic routing scheme for mobile opportunistic network" IAES International Journal of Artificial Intelligence (IJ-AI) Vol. 12, No. 2, June 2023, pp. 785~793 ISSN: 2252-8938, DOI: 10.11591/ijai.v12.i2.pp785-793. Impact factor:2.3,Scopus Q3 level Journal

6. Subramanya V. Odeyar; S.V.Saboji "Block Chain Based Access Control Mechanism Healthcare System on Cloud", International Journal of Creative Research Thoughts(IJCRT), Volume 10, Issue 7 July 2022, pp 354-358, www.ijcrt.org ISSN: 2320-2882.

7. Subramanya V. Odeyar; S.V.Saboji. "In the Cloud, a Review of the Access Control Framework with Privacy Protection (Supported by 5G Networks) using Blockchain." Volume. 7 Issue. 4, April - 2022 , International Journal of Innovative Science and Research Technology (IJISRT), www.ijisrt.com. ISSN - 2456-2165, PP :- 1093-1098. https://doi.org/10.5281/zenodo.6558778. Article Digital number: IJISRT22APR1353.

8. S V Manjaragi , S. V. Saboji "User Credibility Based Trust Model for 5G Wireless Networks" 4th International conference on Intelligent communication Technologies and Virtual Mobile Networks (ICICV 2022), pp 303-318, 10th -11th Jan 2022, Tirunelveli , India. Springer conference.

9. Aksta Hiremath, S. V. Saboji "Establishing Trust Worthy Reliable Path in Mobile Adhoc Network using Mobile Agent" International Journal of Research and Analytical Reviews (IJRAR),vol. 6, issue 2,PP 256-264, June 2019, **E-ISSN 2348-1269, P- ISSN 2349-5138, UGC journal NO:43602.**

10. S. S. Rathod, S. V. Saboji "Location Based Opportunistic Routing in Wireless Sensor Network" International Journal of Research and Analytical Reviews (IJRAR),vol. 6, issue 2,PP 256-264, June 2019, **E-ISSN 2348-1269, P- ISSN 2349-5138, UGC journal NO:43602.**

11. Veeresh Kadlimatti, S. V. Saboji "Agriculture Price Prediction Using Data Mining"International Journal of Engineering and Advanced Technology (IJEAT),vol. 8, issue 6,PP 1075-1077, June 2019, **ISSN** 2249 –8958**,** Retrieval Number: F12050886S19/19©BEIESP , DOI:10.35940/ijeat.F1205.0886S19

    Blue Eyes Intelligence Engineering & Sciences Publication (Scopus indexed)

12. S V Manjaragi ,S. V. Saboji, S. G. Bevinakoppa "Survey of Security Models in Heterogeneous Wireless Networks" IRACST – International Journal of Computer Networks and Wireless Communications (IJCNWC), ISSN: 2250 – 3501

,Vol. 8, No. 5, Sep-Oct, 2018, pp 1-9, UGC Journal No: 63076.

13. Binod Kumar Ranabhat, S.V. Saboji, Savitri Bevinakoppa, C. B. Akki, "Performance Analysis of WiMAX with MIMO antenna" WSEAS Transactions on Recent Advances in Recent Advances in Electrical Engineering and Computer Science Dec 2015. ISSN: 1790-5117 ISBN: 978-1-61804-340-5, pp 48-54. Vol. 54.

14. Poornima Byahatti, S.V. Saboji "Review of Security in VANET" International Conference on "Internet of Things" International Journal of Engineering Research and Technology, August 18-19, 2016, Bangalore, ISSN: 2278-0181, PP 116-121.

15. S.V. Saboji, Savitri Bevinakoppa, C.B.Akki "Agent Based Vertical Handoff Decision Algorithm for 4G Wireless Networks" Accepted to Recent Advances in Communication and Network Technology, Bentham Science publisher, Volume 3, Number 2, 2014, ISSN: 2211-7407, Pp. 117-126.

Available at http://benthamscience.com/journal/index.php?journalID=racnt#top, on 13-6-2015

16. S.V.Saboji, Jagadanna Karamunge "Survey on Dynamic Source Routing, Attacks and counter Measures in Wireless Sensor Network" International Journal of Research in Engineering and Technology,Vol. 3, Issue 3, 2014, e-ISSN:2319-1163,p-ISSN:2321-7308.(impact factor: 3.499)

17. S.V. Saboji, C.B.Akki "Congestion Control in 4G Wireless Networks Using Coalition Game" International Journal Computer Network and Information Security, Jun 2012, 5, pp 39-45. (http://recentscience.org/computer-science/) vol 4, Issue 5, ISSN:20749090

18. S.V. Saboji, C.B.Akki "Congestion-aware Proactive Vertical Handoff Decision Using Coalition Game" Accepted for publication in International Journal of Soft Computing and Engineering (IJSCE), Volume-1, Issue-6, January 2011, pp 91-97, ISSN:2231-2307.(impact factor: 1.177)

19. S.V. Saboji, C.B.Akki "Available Bandwidth Estimation in 4G Wireless Networks Using Mobile Agents" International Journal of Research and Reviews in Information Sciences (IJRRIS), Vol. 1, No. 2, June 2011, pp 51-56, ISSN:2046-6439.(impact factor: 0.133).

20. S.V.Saboji, C. B. Akki "Vertical Handoff with Resource Allocation Using Non-cooperative Game Theory", International Journal Of Telecommunications Management, Vol3. No 3, Oct 2010, pp 290-299, ISSN:1662-1754.

21. S.V.Saboji, C. B. Akki "A Client based Vertical Handoff System in 4G Wireless Networks", International Journal Of Advances In Information Technology, Vol. 1,No 4, Nov 2010,pp 197-203, ISSN: 1798-2340.

22. S.V.Saboji, Dr. C.B.Akki "A Survey on 4G A survey of fourth generation (4G) wireless network models" Henary Stewart Publicaions, Journal of Telecommunications Management Vol 2, No 1, Oct 2008, pp 77-91, ISSN:1662-1754.

Conferences Papers published:

1. Rudragouda Hiregoudar, S. V. Saboji " Phishing Detection Using Deep Learning: State of

the Art and Future Directions" International conference on "Sustainable Solutions in Engineering and Technology", 29th to 30th August 2024, Basaveshwar Engineering College, Bagalkote, page: 81

2. S. V. Saboji , Laxmi kanthi "Detection of Phishing Cyber Attack Using ML Techniques" International conference on "Sustainable Solutions in Engineering and Technology", 29th to 30th August 2024, Basaveshwar Engineering College, Bagalkote page : 94.

3. Rudragouda Hiregoudar, S. V. Saboji "Review of Machine Learning Approaches and Challenges for Detecting Phishing Attacks", Grenze International Journal of Engineering and Technology, Jan 2024, 2 Issue, Grenze ID: 01.GIJET.10.1.63_2, ISSN: 2395-5295, https://thegrenze.com/index.php?display=page&view=journalabstract&absid=2489&id=8

4. Rudragouda Hiregoudar, S. V. Saboji "Review of Machine Learning Approaches and Challenges for Detecting Phishing Attacks", Hinweis Second International conference on Recent Trends in Machine Learning and Image Processing (MLIP), 22nd to 23rd Dec 2023, Hyderabad, http://mlip.thehinweis.com/2023

5. Aksta Hiremath, S. V. Saboji "Establishing Trust Worthy Reliable Path in Mobile Adhoc Network using Mobile Agent" Fifth National Conference on Multimedia Technology and Communication System (NCMTCS-2019) in Malnad College of Engineering, Hassan, on 10th & 11th May 2019

6. S. S. Rathod, S. V. Saboji "Location Based Opportunistic Routing in Wireless Sensor Network" Fifth National Conference on Multimedia Technology and Communication System (NCMTCS-2019) in Malnad College of Engineering, Hassan, on 10th & 11th May 2019.

7. Veeresh Kadlimatti, S. V. Saboji "Agriculture Price Prediction Using Data Mining" International Conference on Emerging trends in Engineering, Technology and Management, ICETETM-2019 in PDIT, Hosapete 26th - 27th April 2019| Karnataka, India, http://www.icetetm.com/

8. S. R. Baramgoudar, S. V. Saboji "Routing in opportunistic Networks: Taxonomy, Survey" IEEE International conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques(ICEECCOT-2017), GSSS Institute of Engineering and Technology for Women ,pp 300-305, 15th and 16th Dec 2017, ISBN 978-1-5386-2361-9, (Scopus indexed)
DOI: 10.1109/ICEECCOT.2017.8284516

9. Suresh Talwar, S. V. Saboji "Review of Data Integrity in Cloud Storage" International Conference on Ideation and Innovations in Sustainable Sciences and Technologies, (IISST 17) University of Malaya, Kuala Lumpur, Malaysia 30 June- 2 July 2017.

10. Bhagyashree K. L., S. V. Saboji "A Survey on Data Centric Trust Management In Vanet" Third National Conference on Multimedia Technology and Communication System (MCMTCS-2017), Malanad College of Engineering , Hassan, 17th & 18th March 2017.

11. S.R.Baramagoudar, S.V. Saboji "Review of microscopic and macroscopic routing algorithms in opportunistic networks" IEEE Conference on Computational Systems and Information Systems for Sustainable Solutions(CSITSS) 6th -8th oct, 2016, Bangalore, pp 232-237, ISSN:978-1-5090-1022-6, (Scopus indexed)
DOI: 10.1109/CSITSS.2016.7779429, EID: 2-s2.0-85010375374

12. Archana B. Mogali, S.V. Saboji "Cryptographic Approach for Trust Management in VANETs" International Conference on Current Advances in Engineering and Technology (ICCAET-2016) on 17th July, 2016 at Nellore, India

13. Bharati.Nidasheshi, S.V. Saboji "Quality optimization scheduling of downlink video

application by Genetic Algorithm in LTE Network" International Conference on Current Advances in Engineering and Technology (ICCAET-2016) on 17th July, 2016 at Nellore, India

14. Shalini V.Ritti, S.V. Saboji "Energy Aware Routing in Opportunistic Wireless Networks" International Conference on Current Advances in Engineering and Technology (ICCAET-2016) on 17th July, 2016 at Nellore, India

15. S.V. Saboji, S. V. Manjargi, C. B. Akki "A Survey of 4G Network Security Models" Proceedings of 5th International conference on Advances in Computer Engineering ACE 2014, 26th 27th Dec 2014, Kochi Kerla. pp 183-194 ISBN：978−1−5108−0958−1

16. S.V.Saboji, Jagadanna Karamunge "Digital Signature based Source Routing in Wireless Sensor Networks" International Conference on Industrial Electronics Engineering(ICIEEE) , 15th June 2014, PUNE, ISBN:978-93-84209-27-3 . Paper ID

17. S.V.Saboji, Jagadanna Karamunge "Survey on Dynamic Source Routing, Attacks and counter Measures in Wireless Sensor Network" National Conference on Recent Innovations in Engineering and Technology (NCRIET-2014) , 3rd -4th May 2014, Bheemanna Khandre Institute of Technology Bhalki

18. S.V.Saboji, Ravi Inamatti "Review of Wi-Max Technology" International conference on Industrial Electronics and Computer Science (ICIECS) 7th July 2013 Goa. Pp 67-73, ISBN:978-81-927147-7-6

15. S.V. Saboji, C.B.Akki "Network Allocation to Vertical Handoff Call Using Non-cooperative Game Theory" CSI International Conference on Advances in Cloud Computing (ACC-2012), July 26-28, 2012 Bangalore, India organized by Computer Society of India. ISBN: 978-81-7371-778-9, PP 57-63.

16. S.V. Saboji, C.B.Akki "Agent Based Bandwidth Estimation In Heterogeneous Wireless Networks" Proc. of 3rd Int. Conf. on Advances in Recent Technologies in Communication and Computing (ARTCom 2011), 14th – 15th Sep 2011, Bangalore, India, Organized by ACEEE. Pp 256- 258, ISBN:978-8-19106-918-1, IET Digital Library, DOI: 10.1049/ic.2011.0093

17. S.V.Saboji, C. B. Hebbi "Vertical Handoff in Heterogeneous Wireless Mobile Networks", First International Conference on Networks and Communication (NETCOM 09)held on 27th-29th Dec 2009, at Le Royal Meridien, Chennai, India. ISBN: 978-1-4244-5364-1, DOI:10.1109/NetCoM.2009.52

18. S.V.Saboji "Security Conscious Web Services Composition with Semantic Web Support", National Conference on Futuristic Computer Applications held on 22nd-24th Dec 2009, at Institute of Information Technology, Pune, India.

19. S.V.Saboji, Dr. C. B. Akki "A review of vertical handoff in 4G wireless Networks" , Proceedings of National Conference on Computer Networks held on 20th-21st Feb 2009, at Reva Institute of Technology and Management , Bangalore. ISBN:978-81-8487-025-1, PP 53-58.

20. S.V.Saboji, Dr. S. S. Manvi, M. N. Birje "Prediction Based Handover For Multiclass Traffic In Wireless Mobile Network: An Agent based Approach" Sixth International Conference on Information, Communications and Signal Processing (ICICS 2007) held at 10-13 December, 2007 in Singapore. ISBN: 978-1-4244-0982-2
DOI: 10.1109/ICICS.2007.4449535

21. S. V. Saboji, Dr. S.S.Manvi, M.S.Kakksageri "QoS based Prediction Handover For Multiclass Traffic In Wireless Mobile Network" , Proceedings of International Conference on Wireless communication Networks organized by World Congress on Science and

Technology(WORLDCOMP'07) June 17, **2007** at **Los Vegas USA.** ISBN: 1-60132-039-6 , pp 293-298

22. S. V. Saboji , Dr. S.S.Manvi, "Prediction Handover For Multiclass Traffic In Wireless Mobile Network" proceedings of International conference on Resource Utilization and Intelligent Systems, 4th –6th Jan 2006, Perundurai Erode **Tamilnadu INDIA, ISBN: 81-7764-940-1, Vol 1,PP 813-819**

Invited Talks:

1. Resource person to Session on "Innovation/Prototype Validation, Converting Innovation into a Start-Up" held by Institution's Innovation Council 6.0a, Basaveshwar Engineering College Bagaslkot on 24th July. 2024.
2. Resource person to the workshop on "IDEATHON" on 13-101-2023, Basaveshwar Engineering College Bagaslkot.
3. Resource person to Technical talk on "Roadmap to Wireless Network" held by IEEE student branch Basaveshwar Engineering College Bagaslkot on 10th Aug. 2023.
4. Resource person to Workshop on "Blcokchian Technologies for Business Perspective" 27th April 2023, Basaveshwar Engineering College, Bagalkot.
5. Resource person to the workshop on "Computer Networks and Cyber Security" Sri. Jayachamarajendra College of Engineering Mysuru, 16th to 20th July 2018.
6. Presented technical talk on Opportunistic network simulation using MATLAB in the workshop on "Applications of MATLAB in Research" 24th –30th April 2017, BLDEA's Dr. P. G. Halakatti College of ngg. And Technology, Vijayapur.
7. Presented Technical talk at KLE College of Engineering and Technology, Chikodi on Cellular Networks on 14 Aug 2015.
8. HRD programme for BE First year students, Basaveshwar Engineering College, Bagalkot, 23rd -24th Oct 2010.
9. "Website design and Hosting" during 29th to 4th Sept 2008 at BEC Bagalkot
10. "Internet Protocols" Basaveshwar Engineering College, Bagalkot, 21st –26th Aug 2006.
11. "Internet and Web Design" Basaveshwar Engineering College, Bagalkot, 2006.
12. "Pointers and Data Structures in C" Basaveshwar Engineering College, Bagalkot, 19th – 29th Sep 2006.

Events Organized:

1. Student Development Programme on "Blockchain Technologies" organized under FOCUS on 12-12-2024 at Basaveshwar Engineering College, Bagalkot
2. Student Development Programme on "WireShark Tool for Cyber attack Detection" organized under FOCUS on 20-1-2024 at Basaveshwar Engineering College, Bagalkot
3. Technical Seminar on "Cyber Security" organized under FOCUS on 2-12-2023, at Basaveshwar Engineering College, Bagalkot
4. Workshop on "IDEATHON" organized under IDEA LAB on 13-10-2023 at Basaveshwar Engineering College, Bagalkot
5. Workshop on "Blcokchian Technologies for Business Perspective" 27th April 2023, Basaveshwar Engineering College, Bagalkot.

6. Webinar on "Cyber Security" 28th March 2023 , Basaveshwar Engineering College, Bagalkot by Dr. Manish, MSRIT Bangalore.
7. Online workshop on "Blockchain Technology for Business", 15th and 16th June 2022, by Dr. Shashi Kant Srivastava of the Indian Institute of Management Siramaur, Himachal Pradesh.
8. Webinar on "Radar System Development with Industry Partner", 25-9-2021, by Mr. Mahesh Kopp, Sc"F" Electronics and Radar Development EST(LRDE) DRDO Bangalore.
9. Industry institute interaction programme on "Computing Technologies and Applications" on 29th Oct 2018, Basaveshwar Engineering College, Bagalkot.

10. Industry institute interaction programme on "SMAC- Advances in New Technology" on 23rd Nov 2017 , Basaveshwar Engineering College, Bagalkot.
11. International Symposium on "Green Technologies for Sustainable Development" on 24th and 25th Feb 2017 at Basaveshwar Engineering College, Bagalkor-587104.
12. Student Development Programme "Cloud Computing, IOT and Python Programming" organized at Basaveshwar Engineering College, Bagalkot, 14th – 19th Sep. 2016
13. Student Development Programme "Industry Leadership Quality Development Programme" organized at Basaveshwar Engineering College, Bagalkot, 7th Sep. 2016
14. Student Development Programme "Career Guidance in IT Industry for BE and M.Tech. Students" organized at Basaveshwar Engineering College, Bagalkot, 23rd March 2016
15. Student Development Programme "Cloud Computing" organized at Basaveshwar Engineering College, Bagalkot, 14th Nov 2015.
16. Faculty Development Programme "Big-Data Analytics using Hadoop" organized under TEQIP-II at Basaveshwar Engineering College, Bagalkot, 9th – 11st July. 2015.
17. Student Development Programme "Building Industrial Quality Software" organized under TEQIP-II at Basaveshwar Engineering College, Bagalkot, 27th Jan - 1st Feb 2014.
18. Faculty Development Programme "Advanced Network Computing and Simulation" organized under TEQIP-II at Basaveshwar Engineering College, Bagalkot, 22th – 24st Nov. 2013.
19. Faculty Development Programme "Real Time Operating Systems" organized under TEQIP-I at Basaveshwar Engineering College, Bagalkot, 26th – 31st March 2007.
20. Student Personality Development Training Programme, Basaveshwar Science College, Bagalkot, 2002.

Conferences/ Symposiums/ Workshops/ Training Programs Attended :
1. FDP on "Outcome Based Education System" 30th Sep & 1st Oct 2023, Basaveshwar Engineering College, Bagalkot
2. IEEE India council online-FDP on "5G Wireless Communication Technology" 28-7-2022 to 30-7-2022.
3. ATAL (AICTE Training and learning) online-FDP on "6G wireless Networks" 20-12-2021 to 24-12-2021 at Indian Institute of Technology, Dharwad.
4. AICTE –Online Short Term Training Program on "Practicing Cloud Computing with AWS" K L Deemed University, Guntur, 30th Aug 2021 to 4th Sep 2021.
5. AICTE online workshop on "Examination Reforms" Chitkara University, Chandigarh, 26th to 28th July 2021

6. Seminar on "Patent System in India" 31st Macrh 2021, Basaveshwar Enegineering College Bagalkot.

7. Seminar on "Writing successful proposal to Research Grant" on 24 March 2021, IEEE Bangalore section.

8. FDP on "Cyber Security" held on 22nd – 26th March 2021 Vidyavardhaka College of Engineering, Mysore.

9. FDP online on "Role of Faculty in Implementation of NEP" held on 20th February, 2021 organized by BHARATIYA SHIKSHAN MANDAL and Nitti AAYOG.

10. NPTEL online Certification on "Digital Transformation in Teaching Learning Process"14th Feb to 6th March 2020, Course offered by IIT Bombay

11. FDP on "End-to-End Innovation" 19th – 24th Feb 2018 at Indian Institute of Technology Bombay.

12. FDP on "Sensor Networks" organized under TEQIP at Basaveshwar Engineering College Bagalkot on 8, 9 Jan 2018.

13. FDP on "Technology-Driven Innovation and Entrepreneurship" 15th –19th February 2017, Indian Institute of Technology Bombay.

14. FDP on "Research Literacy and Trends in Scholarly Communications" 23rd to 28th Jan 2017, BLDEA College Of engineering and Technology, Vijapur.

15. Workshop on "ISRO Satellite Remote sensing based societal applications on the web" on 9th sep. 2016 organized under TEQIP at Basaveshwar Engineering College Bagalkot.

16. Workshop on "Electronic System Design and Manufacturing" on 29th – 30th March 2016, Basaveshwar Engineering College Bagalkot

17. Industry Academia Conclave on "Building Strategic Alliance with the Corporate World" , 16th Julyl 2016, Hotel Hotel Radission, Hightek City, Hyderabad.

18. Industry Academia Conclave on "Building Strategic Alliance with the Corporate World" , 24th April 2016, Hotel Kalasagar Pune.

19. Industry Academia Conclave on "Building Strategic Alliance with the Corporate World" , 13th March 2016, Fern Citadel Hotel Bangalore.

20. One day Faculty development program on "Cloud Computing", 12th Dec 2015, visveshwaraya Technological University Belgaum.

21. One week course on "Management Capacity Enhancement Programme" during 16th – 20th Nov 2015, Indian Institute of Management Tiruchirappalli.

22. Fifteen days Short Term course on "Internet of Things: Convergence of Sensing, Cloud and Big-data Networking" between July 13th – 26th , 2015 at IIT KHARAGPUR.

23. Workshop on "Intellectual Property Rights Awareness Programme" organized by Visvesvaraya Trade Promotion Centre Bangalore (Government of Karnataka centre for export promotion), 5th Dec 2014.

24. Two days workshop on "Effective Leadership for Excellence" organized by International Academy for Competency Enhancement Bangalore, 8th - 9th Feb 2014.

25. Six days workshop on "Building Industrial Quality Software" organized under TEQIP at Basaveshwar Engineering College Bagalkot, 27th Jan to 1st Feb 2014.

26. Three days workshop on "Advanced Network Computing and Simulation" organized under TEQIP at Basaveshwar Engineering College Bagalkot, 22nd to 24th Nov 2013.

27. Three days workshop on "3D Reconstruction, Modeling and Rendering" organized by B. V. Bhoomaraddi College of Engineering and Technology, Hubli, 28th – 30th August

2013.

28. Three days workshop on "Research issues in Distributed Sensor Networks" organized by Basaveshwar Engineering College, Bagalkot, 22nd -24th August 2013.

29. Three days workshop on "Distributed and Cloud Computing" organized by Information Science department of Basaveshwar Engineering College, Bagalkot, 15th -17th April 2013.

30. Five days workshop on "Faculty Enablement Program" organized by Infosys Mysore under campus connect programme at Mysore, 30th Jan to 3^{trd} Feb 2010.

31. Five days workshop on "High Impact Teaching Skills" organized by Wipro Tech. Bangalore under Mission10X programme, 2nd to 6th Aug 2010.

32. Two days workshop on "Research Methodologies" organized by VTU Belgaum, 25th, 26th May 2009.

33. Two days National seminar on "Recent Trends in Information Technology" held at B L D E A's College & Tech. Bijapur, 26th, 27th October 2007.

34. Two days() workshop on "ARM Technology- Train the Trainers" at BVB College &Tech. Hubli, 15th –16th Dec 2006.

35. One week Faculty Development Programme on "Embedded Systems" organized under TEQIP at Basaveshwar Engineering College Bagalkot, 5th – 10th Feb 2007.

36. Two days Training programme on "Embedded Systems" organized by Engineering Staff College of India at Hyderabad, 30th – 31st Oct 2006.

37. One week Faculty Development programme on "C# & .NET" organized under TEQIP at Basaveshwar Engineering College(BEC) Bagalkot, 1st – 6th June 2006.

38. One week TEQIP sponsored Short Term Training on "Internet Protocols" at BEC Bagalkot , 21st – 26th June 2005.

39. One day workshop on "Counseling Technique" organized under TEQIP at BEC Bagalkot, 25th Aug 2006.

40. One week Short-term training programme on "Applied Mathematics" Organized under TEQIP at BEC Bagalkot, 3rd – 8th April 2006.

41. Three days workshop on "Web Design and CGI Programming" organized under TEQIP at PDA College of Engineering, Gulbarga, 24th – 26th Sep 2005.

42. One week workshop on "Mathematical Modeling for Digital Image Processing" organized under TEQIP at BEC, Bagalkot, 9th – 14th Jan 2006.

43. Three days AICTE-CSIR sponsored National level seminar on "Recent Trends in Computer Communications and Networks" at BEC, Bagalkot, 15th – 16th Mar 2005.

44. One week intensive training on "Project Management with Latest Trends" Conducted by DCF software (P) Ltd Bangalore.

45. One day workshop on TQM in Education System conducted by DTE. Bagalkot.

Awards and Honors:

1. Young Achiever Award-2018, Institute for Exploring Advances in Engineering(IEAE).
2. Awarded for Excellence in Reviewing for IEEE MYSURUCON 2022 on 16th and 17th Oct 2022
3. Awarded for Excellence in Reviewing for Asian Journal of Research in Computer

Science,19-Aug-2022

4. Awarded for Excellence in reviewing for IEEE international conference on Data Science and Information system (ICDSIS 2022) 29th-30th July, 2022.
5. Awarded for Excellence in Reviewing for IEEE international conference on Distributed computing and Electrical circuits and Electronics (ICDCECE- 2022) 23rd-24th April, 2022.
6. Awarded for Excellence in Reviewing International Conference on Mobile Networks and Wireless Communications (ICMNWC-2021) 03-04 December, 2021.
7. Awarded for Excellence in Reviewing International Conference on Mobile Networks and Wireless Communications (ICMNWC-2022) 02-03 December 2022,
8. Awarded for Reviewing International conference on Knowledge Engineering and Communication Systems (ICKECS-2022) 28-29 Dec 2022.

Committee Member:

1. BOS Member
   - ORCHID College of Engineering and Technology,[Autonomous Institute] Solapur, Maharastra, Department of Artificial Intelligence and Data Science, 2024-2027.
   - Basaveshwar Engineering College, Bagalkot [Autonomous Institute], Bagalkote, Karnataka, Department of Computer Sciecne and Engineering, 2008- till date

2. Basaveshwar Engineering College, Bagalkot [Autonomous]
   - Program Committee member 9th International Conference on Frontiers of Intelligent Computing Theory and Applications, FICTA-2021 , Frontier in Communication and Technical Analysis, NIT, Silchar
   - Program committee member International Conference NKCon – 2024 "Digita Tranfirmation: Unleashing The Power of Information" 21-22 Sep 2024, Basaveshwar Engineering College , Bagalkot- 587104 , Karnataka
   - Advisory committee member for the international conference on "Wearable Technologies-17", 04th – 05th May 2017, Dayananda Sagar University School of Engineering Bengaluru.
   - Academic Council member for the college for academic year 2016-17 and 2017-18
   - Member of internal compliant committee for academic year 2016-17
   - Deputy Chief Superintendent for conduct of Semester End Exam, exam Dec 2014 to till date.
   - Selection committee member for the Ph.D. (CSE). 20th Jan 2016
   - Committee member for Industry Institute Interaction Programmee 13th Mar 2016
3. Book series Editor: Futuristic Trends in Network & Communication Technologies, Iterative International Publishers, USA & India, Book ID: IIPV3EBS13_G24, www.iipseries.org, 2023
Link: https://www.iipseries.org/view-pub-book.php?bookid=305&bookname=futuristic-trends-in-network-amp-communication-technologies-volume-3-book-4

Role in Universities/Colleges:

1. Basaveshwar Engineering College [Autonomous] Bagalkot- 587104 , Karnataka

   - Special officer Exam section (2025- till date)
   - Head Of Department(HOD) of Computer Science and Engineering (2018-2020)

- Chief Coordinator for Central Valuation (2016-2018 and 2020-2025)
- PG coordinator in CSE Department (2016-2018)
- Departmental Selection committee member for PhD Programme under QIP.

2. Visvesvaraya Technical University(VTU), Belgaum

- External examiner for PhD viva-voce examination on 5th Jan 2018.
- Squad committee member for VTU UG/PG exam Dec 2011 on 9th to 14th   Jan 2012.
- Deputy Chief superintendent(External) for conduct of VTU UG exam June 2010 at B.L.D.E.As Engg College, Bijapur
- Examiner for BE Course (1999 – 2000 and 2005 – Till date).
- Paper Setter for M.Tech. Examination (2006- till date).

3. Karnataka Univeristy Dharwad, Dharwad

- Examiner for B.C.A. and B.Sc. (2000 – 2005)
- Paper Setter for degree course (2000 – 2005).

4. Indra Gandhi National Open Univeristy, Delhi, Examiner for B.C.A (2000 – 2005)

5. Technical Education Board, Bangalore,Examiner for Diploma course (1998-1999)

Conference Session Chair:

1. **Session Chair** for 2nd national conference on "Emerging Trends and Adances in Information Technology" 7th and 8th April 2017, Adichunchanagiri Institute of Technology, Chikkamagaluru.
2. **Session Chair** for International conference on "Sustainable Solutions in Engineering and Technology", 29th to 30th August 2024, Basaveshwar Engineering College, Bagalkote
3. **Session chair** for Flagship International conference of "IEEE North Karnataka Subsection in association with IEEE Bangalore Section", 21st to 22nd September 2024, Basaveshwar Engineering College, Bagalkote

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DOB   : 22nd July 1975
Hobbies   : Reading Books, Writing technical paper
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