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FACULTY PROFILE

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Department : Electronics and Communication Engineering

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Scopus ID : 24448256100

Vidwan Id : 125023

Researcher ID (Web of Science) : AAS-1203-2020

Google Scholar ID : 2exRr8AAAAJ

Qualification : Ph.D. (Cellular multimedia network)

Professional Experience

Teaching experience : 28 years

Industry experience : -----

Administrative Responsibilities

- :**
1. Union Public Service Commission, New Delhi - Syllabus and Question Paper Setter
 2. Academic Council Member Basaveshwar Engineering College (Autonomous), Bagalkot
 3. External examiner for the conduct of Ph.D. comprehensive viva-voce
 4. LIC committee member of Visvesvaraya Technological University, Belgaum 2010-2011
 5. Member BOE (Electronics and Communication Engineering and Telecommunication Engineering) of Visvesvaraya Technological University, Belagavi
 6. Subject expert committee member for Electronics and Communication Engineering and Telecommunication Engineering for BLDEA's V. P. Dr. P. G. Halakatti College of Engineering and Technology, Vijayapura, KLE Society's Dr. M. S. Sheshgiri College of Engineering and Technology, Belagavi and Jain College of Engineering, Belagavi
 7. Chair-person for National and International Conferences in India and Abroad
 8. Co-coordinators for National conference on Recent Trends in Computer communication and networking organized by Department of Electronics and Communication Engineering Basaveshwar Engineering College, Bagalkot under TEQIP during 15th- 16th March 2005
 9. Short term Training Programme on Internet Protocols organized by Department of Electronics and Communication Engineering, Basaveshwar Engineering College, Bagalkot under TEQIP during 21st-26th August 2006
 10. Project Officer for Food Processing in Science and Technology Entrepreneurs Park, Basaveshwar Engineering College, Bagalkot
 11. Squad member / Deputy Chief Supt. (External), Basaveshwar Engineering College, Bagalkot and Visvesvaraya Technological University Exams, Belagavi
 12. Coordinator and Student advisor for Electronics and Communication Students Association, Basaveshwar Engineering College, Bagalkot
 13. Chairman, Anti Ragging Committee, Basaveshwar Engineering College, Bagalkot and
 14. Chairman, Paper setting and Moderator Visvesvaraya Technological University exams Belagavi.

Teaching No. of Projects Guided

UG : 50

PG : 20

Research

Interest Area :

1. Mobile communication
2. Multimedia communication
3. Satellite communication
4. Computer networks and
5. Wireless sensor networks.

No. of Research ScholarsPursuing : **05**Awarded : **04****Patents** : **-----****Research Grants**

- : 1. Title - "Design and Development of Fuzzy based Algorithms for Resource Allocation and Routing in Wireless Networks", Amount sanctioned Rs.9.00 lakhs, 2007- 2009
2. Title - "QOS Support in Mobile Communication", Amount sanctioned Rs.7.57 lakhs, 2006 - 2009

Total - Rs. 16.57 lakhs**Publications**

Books/Chapters

: **Books**

| SN | Book Title | Publisher | Year of publication | Edition | Remarks |
|----|-------------------------------|---------------------------------|---------------------|---------|-------------|
| 1 | Mobile Computing | Eastem Book Promoters, Belagavi | 2013 | First | For Diploma |
| 2 | Digital Computer Fundamentals | Eastem Book Promoters, Belagavi | 2013 | First | For Diploma |

Books chapters

| SN | Book chapter | eBook ISBN | Publisher | Year of publication | Edition | Remarks |
|----|--------------|--|-----------|---------------------|---------|---------------------------------|
| 1 | ICTCS 20 | 9781003052098 https://doi.org/10.120/9781003052098 | CRC press | 2020 | First | Paper converted to book chapter |
| 2 | ICTCS 20 | 9781003052098 https://doi.org/10.120/9781003052098 | CRC press | 2020 | First | Paper converted to book chapter |

Journals (with citations)

- : 1. **J. D. Mallapur**, S. S. Manvi and D. H. Rao, "Fuzzy Based Bandwidth Borrowing Scheme for Wireless Multimedia Networks", International Journal of Applied Mathematical Analysis and Applications, (Special Issue), Vol. 2, No. 1-2, January - December 2007, pp. 83-98, ISSN 0973-3868.
2. **J. D. Mallapur**, S. S. Manvi and D. H. Rao, "A Fuzzy Based Approach for Multicast Tree Computation in Wireless Multimedia Networks", Journal of Information and Computing Science, Vol. 4, No. 2, 2009, pp. 83-92, ISSN 1746-7659, **Citations - 8**
3. **J. D. Mallapur**, S. S. Manvi and D. H. Rao, "Fuzzy Based Approach for Packet Dropping in Wireless Networks", International Journal of Advanced Networking and Applications, Vol. 1, Issue-5, 2009, pp. 301-306, ISSN 0975-0290, **Citations - 6**
4. **J. D. Mallapur**, S. S. Manvi and D. H. Rao, "Fuzzy Based Buffer Management in Wireless Multimedia Networks", Hungarian Electronic Journal of Science, HEJ: INF-100925-A, 2010, pp. 1-21
5. **J. D. Mallapur**, S. S. Manvi and D. H. Rao, "Fuzzy Based Packet Dropping Scheme in Wireless Cellular Networks", International Journal of Computers, Communication and Control, Vol. 6, Issue-2, 2011, pp. 305-316, ISSN 1841-9836, **Citations - 7**
6. **J. D. Mallapur**, Santosh B. K, "A Survey on 4G Wireless Networks", International Journal of Cognitive Science, Engineering and Technology, Vol. 1, Issue-1, November 2013, pp. 32-36, ISSN 2347-8047

7. **J. D. Mallapur** and Kirankumar Y. Bendigeri, "Energy Aware Node Placement Algorithm for Wireless Sensor Networks", Journal of Advance in Electronics and Electric Engineering, Vol. 4, No. 6, February 2014, pp. 541-548, ISSN 2231-1297, **Citations - 10**
8. **J. D. Mallapur** and K. Nagarathna, "An Investigation Analysis of Different Approaches and Techniques for Time Synchronization in Wireless Sensor Network", International Journal of Computer Applications, Vol. 103, No. 5, October 2014, pp. 18-27, ISSN 0975-8887, **Citations - 6**
9. **J. D. Mallapur**, Sadiqa Nishat Bawoor, Shrikant Nandan, "Heterogeneous Network Routing Analysis", International Journal of Recent Development in Engineering and Technology (IJRDET), Vol. 3, No. 1, July 2014, pp. 112-116, ISSN 2347-6435
10. **J. D. Mallapur**, S. K. Padaganur, "Radio Resource Management in Heterogeneous Networks - Survey", International Journal for Scientific Research and Development (IJSRD), Recent Development in Engineering and Technology, Vol. 32, Issue 11, 2015/046, pp. 179- 183, ISSN 2321-0613
11. **J. D. Mallapur**, S. B. Kumbalavati, "A Survey on Vertical Handover in Heterogeneous Networks", International Journal of Informative and Futuristic Research (IJIFR), Vol. 2, Issue-21, May 2015, pp. 3028-3033, ISSN 2347-1697, **Citations - 6**
12. **J. D. Mallapur** and Kirankumar Y. Bendigeri, "Multiple Node Placement Strategy for Efficient Routing in Wireless Sensor Networks", Journal of Wireless Sensor Networks, Scientific Research Publications, Vol. 7, No. 8, August 2015, pp. 101-112, ISSN 1945-3086, **Citations - 10**
13. **J. D. Mallapur** and Kirankumar Y. Bendigeri, "Advanced Monitoring of Crop in Agriculture using Wireless Sensor Networks", International Journal of Electronics and Communication Engineering & Technology, Vol. 6, Issue-1, September 2015, pp. 30-38, ISSN 0976-6472, **Citations - 8**
14. **J. D. Mallapur** and K. Nagarathna, "TFTS: A Novel Triple Factor Time Synchronization for Effective Routing in Large Scale WSN", International Journal of Wireless Personal Communication, Springer, Vol. 84, September (11) 2015, pp. 4-19, ISSN 0929-6212, **Citations - 2**
15. **J. D. Mallapur** and Tej C. Hiremath, "Mobile Cloud Computing: A Survey of Research Issues and Challenges", International Journal of Innovation in Engineering, 2015, pp. 1-7, ISSN 2394-3696
16. **J. D. Mallapur** and S. K. Padaganur, Ratna B. Patil and Namrata Bannur, "A Survey of Bandwidth Allocation Schemes in WSNS Using TDMA Based MAC Protocol", International Journal of Research in Engineering and Technology (IJRET), Vol. 5, Issue-2, February 2016, pp. 251-254, ISSN (P) 2321-308; (E) 2319-1163
17. **J. D. Mallapur** and Satyanarayan Padaganur, "Energy Conserving Delay Conscious Lifetime Enhancing Data Aggregation Protocol for Heterogeneous Wireless Networks", International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 5, Special Issue-9, May 2016, pp. 315-320, ISSN (P) 2347-6710; (E) 2319-8753
18. **J. D. Mallapur** and S. B. Kumbalavati, "Third Party Intervened Vertical Handover in Heterogeneous Networks", International Journal of Computer Networking, Wireless and Mobile Communication (IJCNWMC), Vol. 6, Issue-4, August 2016, pp. 1-12, ISSN (P) 2250-1568, **Citations - 2**
19. **J. D. Mallapur** and Shivanand Hiremath, "A Survey on Vehicle Cloud Computing Network: It's Research Issues and Challenges", Asian Journal of Convergence in Technology, April

20. **J. D. Mallapur** and Satyanarayan Padaganur, "An Approach to Improve the Quality of OFDM Signal using PAPR Reduction Schemes", International Journal of Computer Sciences and Engineering (IJCSE), Vol. 5, Issue-10, October 2017, pp. 360-366, ISSN (P) 2347-2693
21. **J. D. Mallapur** and Renuka T. Ambiger, "Vehicular Traffic Management Using Cloud Network App", International Journal of Science, Technology and Society, Vol. 5, 6 November 2017, pp. 203-209, ISSN 2330-7412
22. **J. D. Mallapur** and Satyanarayan Padaganur, "Improved Reposition Cluster Head in Leach Protocol for Heterogeneous Wireless Network", TRANS STELLAR International Journal of Computer Networking, Wireless and Mobile Communications (IJCWNMC), Vol. 8, Issue-1, June 2018, pp. 11-18, ISSN (P) 2250-1568
23. **J. D. Mallapur** and Satyanarayan Padaganur, "Optimization of Resource Mining in Distributive Sharing (ORMDS) Scheme for Future Heterogeneous Network", International Journal of Information Technology and Computer Sciences (IJITCS), Vol. 10, No-8, August 2018, pp. 18-23, DOI:10.5815/ijitcs.2018.08.03
24. **J. D. Mallapur** and S. B. Kumbalavati, "Modeling of Seamless Vertical Handover Mechanism using Demanded Resource Identification and Mapping", International Journal Information Technology and Computer Science (IJITCS), Vol. 10, No-8, August 2016, pp. 31-37, DOI:10.5815/ijitcs.2018.08.05
25. **J. D. Mallapur** and Satyanarayan Padaganur, "Neural Embedded Smart Link Generation Scheme for Heterogeneous Network", International Journal Heliyon (ELSEVIER), Vol. 4, Issue-12, December 2018, pp. 1-15
26. **J. D. Mallapur** and Santosh B. Kumbalavati, "A cost-effective modelling of faster authentication mechanism in vertical handover for an effective latency control", International Journal of Sensors, Wireless Communications and Control), Vol. 9, No-2, August 2016, pp. 278-286, DOI: 10.2174/2210327908666180703100319.
<http://www.scopus.com/inward/record.url?eid=2-s2.0-85074748939&partnerID=MN8TOARS>
27. **J. D. Mallapur** and Kirankumar Y. Bendigeri, , "Circular Based Node Placement in Wireless Sensor Networks" International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.9, Issue-10, August 2020, ISSN : 2278 - 3075
28. **J. D. Mallapur** and Somu Parade, "Tactical Approach to Identify and Quarantine Spurious Node Participation Request in Sensory Application" International Journal of Electrical and computer Engineering (IJECE), Vol. 10, Issue-4, pp. 3451-3462 August - 2020. DOI: [10.11591/ijece.v10i4.pp3451-3459](https://doi.org/10.11591/ijece.v10i4.pp3451-3459),
<http://www.scopus.com/inward/record.url?eid=2-s2.0-85080023291&partnerID=MN8TOARS>
29. Dr. Jayashree Mallapur, Somu Parande Cost – Effective modeling for incorporating flexibility by securing wireless mobile sensors network. "an International Journal of Wireless Personal Communication" Vol. 123, pp. 727-744, <https://doi.org/10.1007/s11277-021-09155-y> 30 September 2021.
30. **J. D. Mallapur** and Shivanand Hiremath, "Fractional-social ski driver optimization-driven routing protocol for routing electric vehicle under server hosted VANET", "Multimedia Tools and Applications", Volume 81, Issue (1) pp. 1-20 MAY 2022
DOI: [10.1007/s11042-022-12543-6](https://doi.org/10.1007/s11042-022-12543-6)

31. **J. D. Mallapur** and Shivanand Hiremath, “Social ski driver based efficient parking dynamics and computation using deep reinforcement learning in vehicular cloud”, Jurnal of Theoretical and applied information technology”, ISSN: 1992-8645, Vol 100, Issue 15 pp-4615-462715 August 2022

International Conferences

Conferences (International and National)

:

1. J. D. Mallapur, S. S. Manvi and D. H. Rao, “Bandwidth Allocation for Multimedia Traffic by using Fuzzy Logic”, Proceedings of 2006 3rd International IEEE Conference on Intelligent Systems, 04th-06th September 2006, Harrow School of Computer Science, University of Westminster, London, United Kingdom
2. J. D. Mallapur, S. S. Manvi, and Jyoti Hurakadli, “Agent Based Routing Information Fusion in Wireless Ad-Hoc Networks”, Proceedings of 2006 3rd International IEEE Conference on Intelligent Systems, 04th-06th September 2006, Harrow School of Computer Science, University of Westminster, London, United Kingdom, Citations - 4
3. J. D. Mallapur, S. S. Manvi and D. H. Rao, “Multicast Routing in Wireless Multimedia Network by using Fuzzy Logic”, Proceedings of IEEE International Conference on Industrial Technology, 15th-17th December 2006, Renaissance Mumbai Hotel and Convention Centre, Mumbai, India
4. J. D. Mallapur, and S. K. Padaganur, “ARP spoofing for Network Intrusion Detection”, Proceedings of International Conference on IT and Business Intelligence (ITBI-2009), 06th-08th November 2009, Institute of Management Technology, Nagpur, India
5. J. D. Mallapur, Ajaykumar C. K, C. H. Mathapati and Kirankumar B. B, “QoS Based Route Selection for Multicast Group in Wireless Multimedia Networks”, Proceedings of INDICON 2009, 18th-20th December 2009, organized by IEEE Gujarat section in Ahmedabad at Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India, pp. 535-538
6. J. D. Mallapur, Supriya B. Harlapur, Soumya S. Vastrad and Ajaykumar C. Katageri, “Speech Enhancement using Spectral Subtraction”, Proceedings of International Conference on Recent Advancements in Electrical Sciences (ICRAES’10), organized by the Department of Electrical and Electronics Engineering and Electronics and Communication Engineering 08th-09th January 2010, at K. S. Rangasamy College of Engineering Tiruchengode, Tamil Nadu, India, Vol. II, pp. 471- 478
7. J. D. Mallapur, Virupakshreddy S. Patil, Sharanappa H and Ramesh Koti, “QoS Based Unicast Routing in Wireless Multimedia Networks”, Proceedings of International Conference on Recent Advancements in Electrical Sciences (ICRAES’10), organized by the Department of Electrical and Electronics Engineering and Electronics and Communication Engineering 08th-09th January 2010, at K. S. Rangasamy College of Engineering Tiruchengode, Tamil Nadu, India, Vol.-III, pp. 460-468
8. J. D. Mallapur, Syed Abidhusain, Soumya S. Vastrad and Ajaykumar C. Katageri, “Fuzzy Based Bandwidth Management for Wireless Multimedia Networks”, Proceedings of International Conference on Recent Trends in Business Administration and Information Processing (BAIP 2010), 26th-27th March 2010, at Maurya Rajadhani, Trivandrum city of Kerala, India, Citations - 13
9. J. D. Mallapur, S. S. Manvi, Ajaykumar C. Katageri and Renuka T. Ambiger, “QoS Based Scheduler in Wireless Multimedia Networks: A Fuzzy Approach”, Proceedings of International Conference on Wireless Networks (ICWN’10), organized by the 2010 World Congress in Computer Science, Computer Engineering and Applied Computing (WORLDCOMP’10), administered by Universal Conference Management Systems and

Support (UCMSS), 12th-15th July 2010, at Monte Carlo Resort, Las Vegas, Nevada, USA

10. J. D. Mallapur, Supriya B. Harlapur, Sarojini B. K and Hiremath S. C, "Dwell Time for Vertical Handoff in 4G Networks", Proceedings of International Conference on Intelligent Network and Computing (ICINC' 2010), organized by the IEEE and IACSIT, 26th-28th November 2010, at Kuala Lumpur, Malaysia, Vol. 2, pp. 470-474
11. J. D. Mallapur, Supriya B. Harlapur, Ajaykumar C. Katageri and Virupakshreddy S. Patil, "Call Admission Control and Congestion Control for Integrated Packet Networks", Proceedings of International Conference on Methods and Models in Computer Science (ICM2CS-2010), 13th-14th December 2010, organized by the School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi, India, pp. 100-105
12. J. D. Mallapur, Kirankumar Y. Bendigeri, Ramachandra G. Kulkarni and Shridevi C. Hiremath, "Topology Scalability and Routing in Homogeneous and Heterogeneous Access Networks", Proceedings of International Conference on Advances in Recent Technologies in Communication and Computing (ARTCC-IET), organized by Department of Electronics and Communication Engineering, REVA Engineering College, Bengaluru, India, September 2011
13. J. D. Mallapur, Kirankumar Y. Bendigeri, Ramachandra G. Kulkarni and Renuka T. Ambiger, "Malicious Node Detection for Wireless Sensor Network", Proceedings of International Conference on Control Communication and Computer Technology, (CCCT), 06th-07th August 2011, VITS, New Delhi, India
14. J. D. Mallapur, and S. K. Padaganur, "Topology Scaling in Heterogeneous Networks", Proceedings of International Conference on Emerging Trends in Engineering (ICETE-2012), 15th-16th May 2012, NMAM Institute of Technology, Nitte-Udupi, Karnataka, India
15. J. D. Mallapur, Kiran Y. B, Sharanappa P. H and Somu P. P, "Angular Variation Methodology for Landslide Measurement," Proceedings of Fourth International Conference on Computational Intelligence, Communication Systems and Networks, 24th-26th July 2012, Puket, pp. 47-52, Citations - 4
16. J. D. Mallapur, Kiran Y. B, K. Nagarathna, S. C. Hiremath, "Trust Based Secured Routing in Wireless Multimedia Sensor Networks," Proceedings of Fourth International Conference on Computational Intelligence, Communication Systems and Networks, 24th-26th July 2012, Puket, pp. 47-52, Citations - 20
17. J. D. Mallapur, M. J. Sataraddi, S. C. Hiremath and Nagarathna, "Priority Based Scheduler for Bluetooth Network", Proceedings of International Conference on Advances in Communication, Computing and Control, (ICAC3), 18th-19th January 2013, Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, India, CCIS 361, pp. 356-365, Citations - 2
18. J. D. Mallapur and Praveen S. Challagidad, "Secured Mechanism for Dynamic Key Generation in ATM System", Proceedings of International Conference on Advances in Communication, Computing and Control, (ICAC3), 18th-19th January 2013, Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, India, CCIS 361, pp. 45-58
19. J. D. Mallapur, Supriya H, Sontosh B. K and Tej H, "Optimization of Fuzzy Cluster Nodes in Cellular Multimedia Networks", Proceedings of International Conference on Signal Processing, Communication and Networking (ICSPCN-2013), 05th-06th June 2013, organised by World Academy of Science, Engineering and Technology, New York, USA
20. J. D. Mallapur, and Kirankumar Y. Bendigeri, "Node Optimization in Wireless Sensor Network", Proceedings of Second International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA-2014), 01st-02nd August 2014, Nitte Meenakshi Institute of Technology (NMIT), Yelahanka, Bengaluru,

India

21. J. D. Mallapur and Ashwini Mannapur, "Efficient Adaptive Routing Algorithm to WSNS with Sink Mobility", Proceedings of International Conference on Intelligent Computing and Applications, 22nd-24th December 2014, National Institute of Technology, Durgapur, India
22. J. D. Mallapur and K. Nagarathna, "An Optimized and On-Demand Time Synchronization in Large Scale Wireless Sensor Networks", Proceedings of Third International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA-2015), © Springer India 2015, 31th July-01st August 2015, Nitte Meenakshi Institute of Technology (NMIT), Yelahanka, Bengaluru, India, pp. 47-52, DOI 10.1007/987-81-322-2550-8-29
23. J. D. Mallapur and K. Nagarathna, "E2TS: Energy Efficient Time Synchronization Technique in Large Scale Wireless Sensor Network" © Springer International Publishing Switzerland 2015, Proceedings of Artificial Intelligence Perspectives and Applications, pp. 225-234, part of the Advances in Intelligent Systems and Computing, (AISC Vol. 347), DOI: 10.1007/978-3-319-18476-0-23
24. J. D. Mallapur, Sagar Budihal, Tej C. Hiremath, "QoS Based Resource Provision in Cloud Network: Fuzzy Approach", Proceedings of International Conference on Advances in Computer Science and Applications (CAS), 31st October, 2015, Thiruvananthapuram, Kerala, India
25. J. D. Mallapur and K. Nagarathna, "LNLCS: Leveraging Network Lifetime using Clock Synchronization in Wireless Sensor Network", Proceedings of International Conference on Electrical, Electronics, and Optimization Techniques Engineering (ICEEOT- 2016), 03rd-05th March 2016, DMI College of Engineering Chennai, Tamil Nadu, India, pp. 2119-2124
26. J. D. Mallapur and S. B. Kumbalavati, "Third Party Intervened Vertical Handover in Heterogeneous Networks", Proceedings of 3rd IEEE International Conference on Electronics and Communication Systems, 25th-26th February 2016, Karpagam College of Engineering, Coimbatore, Tamil Nadu, India
27. J. D. Mallapur and S. K. Padaganur, "Improved Cluster Head Selection in Leach Algorithm for Heterogeneous Wireless Network Using NS2", Proceedings of 2016 IEEE International Conference on Engineering & Technology (ICETECH), 17th-18th March 2016, organised by Department of CSE & IT, Rathinam Technical Campus, Coimbatore, Tamil Nadu, India
28. J. D. Mallapur and Shivanand Hiremath, "Vehicle Cloud Computing Network Issues and Challenges: A Survey", Proceedings of International Conference on Communication and Signal Processing, 06th-08th April 2017, Tamil Nadu, India
29. J. D. Mallapur and Satyanarayan Padaganur, "A Neural Network based Resource Allocation Scheme for 4G LTE Heterogeneous Network", Proceedings of 2nd International Conference on Convergence of Technology (I2CT), 07th-09th April 2017, Pune, India, Citations - 3
30. J. D. Mallapur, Pallavi, S and Bendigeri, Kirankumar "Remote sensing and controlling of greenhouse agriculture parameters based on IoT" IEEE International Conference on Big Data, IoT and Data Science (BID,PP-44-48, 2017, Citations - 48
31. J. D. Mallapur, Kirankumar Y. Bendigeri and Sontosh B. Kumbalavati, "Recovery Based Fault Tolerance in Wireless Sensor Networks", Proceedings of 2017 International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT), 15th-16th December 2017, GSSS Institute of Engineering and Technology for Women, Mysuru-570016, Karnataka, India, pp. 122-128, Citations - 3
32. J. D. Mallapur and Satyanarayan Padaganur, "Performance Analysis of PDSCH Downlink and Inter-Cell Interference Parameters in LTE Network", Proceedings of International

Conference on Inventive System and Control (ICISC), 19th-20th January 2018, Coimbatore, India

33. J. D. Mallapur and Satyanarayan K. Padaganur, "A Feed Forward Based Smart Link Management Scheme for Future Generation Network", Proceedings of 4th IEEE International Conference on Recent Advances in Information Technology (RAIT), 15th -17th March 2018, Indian Institute of Technology, Dhanbad, Jharkhand, India, pp. 512-516, Citations - 2
34. J. D. Mallapur and Satyanarayan K. Padaganur, "Load Sharing Based on Optimized QoS Parameters for Heterogeneous Networks", Proceedings of 4th IEEE International Conference on Recent Advances in Information Technology (RAIT), 15th-17th March 2018, Indian Institute of Technology, Dhanbad, Jharkhand, India, pp. 551-554
35. J. D. Mallapur and Satyanarayan K. Padaganur, "Optimized Node Swapping for Efficient Energy usage in Heterogeneous Network", Proceedings of SPRINGER International Conference on Soft Computing and Signal Processing (ICSCSP), 22nd-23rd June 2018, Hyderabad, India
36. J. D. Mallapur, Somu Parade, Vinayak Kotyal and S. C. Hiremath, "Modified RSA for Mobile Communications", Proceedings of 2nd International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES - 2018), 22nd-24th October 2018, Delhi Technological University, Delhi, India
37. J. D. Mallapur, Annupurna Kai, Zakriya and S. C. Hiremath, "Motion Intervene Surveillance Control using IoT", Proceedings of fourth International Conference on Information and Communication Technology for Sustainable Development (ICT4SD 2019), 05th-06th July 2019, Hotel Taj, Goa, India
38. J. D. Mallapur and Tej Hiremath, "Congestion Control in Cloud Computing Network for Load Balancing using Portability", Proceedings of IEE Bombay Selection Signature Conference, 26th-28th July 2019, Indian Institute of Technology, Bombay, Mumbai, Maharashtra, India
39. J. D. Mallapur and Shivanand Hiremath, "Optimization of Parking Dynamics in Smart City using Cloud Networks", Proceedings of IEE Bombay Selection Signature Conference, 26th-28th July 2019, Indian Institute of Technology, Bombay, Mumbai, Maharashtra, India
40. J. D. Mallapur and Satyanarayan K. Padaganur, "Optimization of Cluster Head Dynamics in Heterogeneous Network", Proceedings of International Conference on Data Management, Analytics and Innovation, 17th-19th January 2020, Delhi, India
41. J. D. Mallapur and Kirankumar Y. Bendigeri, "Intelligent Wireless Multidirectional Fire Extinguishing Robot" 4th International conference on Information and Communication Technology for Competitive, Strategies, ICTCS-2019, SCUPUS, CRC PRESS Taylor & Francis, 13th -14th December 2019, , ISBN: 978-1-003-05209-8, Udaipur, India, pp. 669 - 676
42. J. D. Mallapur and Santosh Kumbalavati, "One Step Technical Solution for Agriculture" 4th International conference on Information and Communication Technology for Competitive, Strategies, ICTCS-2019, SCOPUS, CRC PRESS Taylor and Francis, 13th -14th December 2019, pp. 713 - 720, ISBN: 978-1-003-05209-8, Udaipur, India
43. J. D. Mallapur and Kirankumar Y. Bendigeri, "Wireless Sensor Networks and its application for Agriculture" 3rd International conference on Intelligent Data Communication Technologies and Internet of Things (ICICI 2020) SCOPUS Springer, 27th-28th August, 2020, organized by JCT College of Engineering and Technology, Coimbatore, India
44. J. D. Mallapur and Kirankumar Y. Bendigeri, "Real Time Monitoring of Crop in Agriculture

- using Wireless Sensor Networks”, 2nd International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2020) SCOPUS Springer, 03rd-04th September 2020, organized by RVS College of Engineering & Technology, Coimbatore, Tamil Nadu, India
45. J. D. Mallapur, Kirankumar Y. Bendigeri, and Santosh Kumbalawathi, “Direction Based Node Placement in Wireless Sensor Networks, IEEE”, International conference on Artificial Intelligence and Smart Systems (ICAIS 2021), 25th -27th March 2021, Organized by JCT college of Engineering and Technology, Coimbatore, India.
 46. S. Salotagi and J. D. Mallapur, "Optimization of Multicast Routing Using Forward Chain Algorithm for Internet of Things Application (IoT) Agriculture Application," *2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)*, 16-18 February 2022 pp. 1-5, doi:10.1109/ICEEICT53079.2022.9768483.
 47. J. D. Mallapur, Shreekant Salotagi, "Network optimization for resource allocation in Internet of Things", "International Conference on Emerging Trends in Technology and Science Education"(ICETTSE), Tiwari Engg College Mumbai 04-05, JAN 2022.
 48. S.C.Hiremath, Dr. Jayashree D.Mallapur, "A Cloud interfaced social ski driver optimized routing and charge scheduling for EV using deep RNN," ABV – IIIT – M Gwalior Sixth edition of CICT (IEEE-CICT-2022). November 2022.

National Conferences

1. J. D. Mallapur and Smt. P. Nanda “8-Bit Successive Approximation Resistor” Proceedings of National Conference on Microchips Design and Technology, 06th-08th, March 2003, MSIT, Janakapuri, New Delhi, India
2. J. D. Mallapur, S. S Manvi and B. K. Sudheendra “Agent - Based Topology Discovery and Management in Wireless Ad-Hoc Networks”, Proceedings of Electronics Futuristic Components-05, IETE, Bengaluru, India
3. J. D. Mallapur, S. S. Manvi and D. H. Rao, “Fuzzy Based Bandwidth Allocation in Multimedia Application”, Proceedings of National Conference (SPCCN-2005), 02nd-03rd July 2005, VIT, Pune, India
4. J. D. Mallapur, S. S. Manvi, G. K. Chandarayya and R. S. Pujar, “A Multimedia Synchronization Scheme for Mobile Wireless Networks”, Proceedings of National Conference on Emerging Trends in Electronics and Communication Engineering, 14th-15th September 2006, Padre Conceicao College of Engineering, Verna, Goa, India
5. J. D. Mallapur, S. S. Manvi, D. H. Rao and Manjula R. Bharamgoudar “Buffer Allocation in Wireless Multimedia Networks using Fuzzy Logic” Proceedings of NCC-2007, 26th-28th January 2007, Indian Institute of Technology, Kanpur, India
6. J. D. Mallapur, S. S. Manvi, S. G. Hiremath and R. B. Vijayasree, “Unicast Routing in Wireless Multimedia Networks by using Fuzzy Logic” Proceedings of National Conference at ICON ADECCO-2007, Tamilnadu, India
7. J. D. Mallapur, S. S. Manvi and D. H. Rao, “Delay and Jitter Based Multicast Path Computation in Wireless Networks: A Fuzzy Clustering Approach”, Proceedings of (NCC-2007), 16th-18th January 2009, Indian Institute of Technology, Guwahati, India, pp. 430-434
8. J. D. Mallapur, Smt. Renuka T. Ambiger and Smt. Mamata J. Sataraddi, “A Mobile

- Synchronisation Algorithm for Multimedia Applications in Wireless Networks”, Proceedings of National Conference on Communication Networking, 27th March 2009, VAST, Thrissur, India, pp. 55-61
9. J. D. Mallapur, Ajaykumar C. Katageri, Kirankumar B. B and Y. Bendigeri, “Heterogeneous Network Security”, Proceedings of National Conference on Networking, Embedded and Wireless Systems (NEWS-2010), organized by the Department of Electronics and Communication Engineering, 06th August 2010, BMS College of Engineering, Bengaluru, India
 10. J. D. Mallapur, Renuka T. Ambiger, Ramachandra G Turkani, “Terrain Based Path Loss optimization in Wireless Multimedia Networks”, Proceedings of National Conference on, Innovations and Trends in Computer and Communication Engineering (ITCCE-2011), organized by Department of Electronics and Communication Engineering, 25th February 2011, MET Institute of Engineering, Nasik , Maharashtra, India
 11. J. D. Mallapur, Vishwanath M. Harnal, Kirankumar B. Balawad, “Intelligent Location Tracking Strategy for Managing Users’ Mobility”, Proceedings of National Conference on, Innovations and Trends in Computer and Communication Engineering (ITCCE-2011) , organized by Department of Electronics and Communication Engineering, 25th February 2011, MET Institute of Engineering, Nasik , Maharashtra, India
 12. J. D. Mallapur, Kirankumar Y. Bendigeri, S. S. Patil, Ravi H. S, “Access Control in Wireless Sensor Network”, Proceedings of National Conference on, Innovations and Trends in Computer and Communication Engineering (ITCCE-2011), organized by Department of Electronics and Communication, 25th February 2011, Mumbai Education Trust Institute of Engineering, Nasik , Maharashtra, India
 13. J. D. Mallapur and Mallikarjun Mudda, “Keyword Search over Encrypted Data in Cloud Computing”, Proceedings of National Conference on Communication and Image Processing (NCCIP), organized by Department of Electronics and Communication Engineering, 07th August 2013, T. John Institute of Technology, Bengaluru, India
 14. J. D. Mallapur and Kirankumar Y. Bendigeri, “Node Replacement in Wireless Sensor Network: An Energy Approach”, Proceedings of National Conference on Recent Advances in Electronics and Computers, 13th-15th February 2015, Indian Institute of Technology, Roorkee, Uttarakhand, India, pp. 40-45, Citations - 5
 15. J. D. Mallapur, Santosh Kumbalavati , S. C. Hiremath and Sadiqa Bavoor, “Optimized Ticket Based Routing Protocol in Ad-hoc Networks”, Proceedings of National Conference on Recent Advances in Electronics and Computers, 13th-15th February 2015, Indian Institute of Technology, Roorkee, Uttarakhand, India
 16. J. D. Mallapur, Sagar Budihal, Nandan and Renuka Ambiger, “Optimized Prediction Based Routing Protocol in Ad-hoc Networks”, Proceedings of National Conference on Recent Advances in Electronics and Computers, 13th-15th February 2015, Indian Institute of Technology, Roorkee, Uttarakhand, India
 17. J. D. Mallapur and Zakriya, “Smart Gadget for Women Safety using IoT”, Proceedings of Third National Conference on Electronics Signal and Communication, 17th May 2018, IEE Bengaluru Section, Bengaluru, Karnataka, India, Citations - 4

Invited Talks

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1. Invited talk on recent advances in multimedia networks in Word Academy of Science, Engineering and Technology-WASAT-2013 - (International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, New York, USA ICAMAME2013), 05th- 06th June 2013 and
 2. Invited talk on IoT in International Conference on Electrical, Electronics Communication

Computer Technologies and Optimization Technology, GSSS Institute of Engineering and Technology for Women, Mysuru, 13th -14th December 2017

Events Organized

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1. Co-coordinators for National conference on Recent Trends in Computer communication and networking organized by Department of Electronics and Communication Engineering Basaveshwar Engineering College, Bagalkot under TEQIP during 15th-16th March 2005
 2. Coordinator for STTP ON Internet Protocols organized by Department of Electronics and Communication Engineering Basaveshwar Engineering College, Bagalkot under TEQIP during 21th-28th August 2006 and
 3. Coordinator for STTP ON Internet Protocols organized by Department of Electronics and Communication Engineering Basaveshwar Engineering College, Bagalkot under TEQIP during 15th-16th May 2013.

Conferences/ Symposiums/ Workshops/Training Programs Attended

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1. *Induction Program for Engineering College Teachers*, organized by Karnataka University Dharward, 3rd - 23rd July 1996
 2. Short term program on *Advance Computer Networking*, organized by Basaveshwar Engineering College, Bagalkot, 14th - 27th September 1998
 3. Two days workshop on *Current Trends in Communication*, organized by PES College of Engineering, Bemgaluru, 30th - 31st July 2001
 4. AICTE sponsored short term program on *Recent Trends in Renewable Energy Sources*, organized by Basaveshwar Engineering College, Bagalkot, 03th - 15th September 2001
 5. Two days workshop on *Technical Challenges in the New Millennium*, organized by Basaveshwar Engineering College, Bagalkot, 3rd - 04th November 2001
 6. AICTE sponsored short term program on *Processing of Composite Materials*, organized by Basaveshwar Engineering College, Bagalkot, 26th August - 07th September 2002
 7. One week short term program on *Learning Organization and Knowledge Management in Technical Education*, organized by Basaveshwar Engineering College, Bagalkot, 16th - 21st February 2003
 8. AICTE sponsored short term program on *Futuristic Materials and their Applications*, organized by Basaveshwar Engineering College, Bagalkot, 18th - 30th August 2003
 9. One week short term program on *Embedded Systems and Applications*, organized by Basaveshwar Engineering College, Bagalkot, 22nd - 27th March 2004
 10. Short term program on Semiconductor Physics and VSLI Design, organized by Basaveshwar Engineering College, Bagalkot, 07th - 19th February 2005
 11. Two days conference on *Recent Trends in Computer Communication and Networking*, organized by Basaveshwar Engineering College, Bagalkot, 15th - 16th March 2005
 12. Two days workshop on *Signal Processing, communication and control*, organized by VIT Pune, 02nd - 03rd July 2005
 13. One Week short term program on *Power Electronics Application to Renewable Energy Systems*, organized by Basaveshwar Engineering College, Bagalkot, 17th - 22th October 2005
 14. Two days national workshop on *Intellectual Property Rights Studies*, organized by Basaveshwar Engineering College, Bagalkot, 17th - 18th February 2006

15. Two days workshop on *Wireless Network* , organized by B. V. Bhoomaraddi College of Engineering and Technology, Hubballi, 01st - 02nd April 2006
16. One week short term program on *Internet Protocols*, organized by Basaveshwar Engineering College, Bagalkot, 21st - 26th August 2006
17. One Week short term program on *Digital Signal Processing and Its Applications*, organized by Basaveshwar Engineering College, Bagalkot, 25th - 30th September 2006
18. Three days program on *Signal Processing and Its Applications*, organized by Basaveshwar Engineering College, Bagalkot, 09th - 11th October 2006
19. One week short term program on *Real Time Operating Systems*, organized by Basaveshwar Engineering College, Bagalkot, 26th - 31st March 2007
20. Four days program on *Computer Network Simulation*, organized by Basaveshwar Engineering College, Bagalkot, 21st - 23rd February 2008
21. Four days program on *Discrete Event Simulation using Qual- Net*, organized by Nihon Communication, Bengaluru, 21st - 24th July 2008
22. Five days national conference on *Computer Networks*, organized by REVA Institute of Technology, Bengaluru, , 20st - 24th February 2009
23. One Week workshop on *Wireless Sensor Networks*, organized by Basaveshwar Engineering College, Bagalkot, 23rd - 28th March 2009 (Resource Personnel)
24. Two days national workshop on INNO-WIE-TION, organized by Basaveshwar Engineering College, Bagalkot, 31st March - 01st April 2012
25. Three days *senior faculty development program*, organized by Basaveshwar Engineering College, Bagalkot, 11th - 13th November 2013
26. Three days faculty development program on *Advanced Computer Networking*, organized by Basaveshwar Engineering College, Bagalkot, 22nd - 24th November 2013
27. Three days program on *Instructional Excellence in Intelligent System (INTEL PROG)*, organized by Basaveshwar Engineering College, Bagalkot, 28th - 30th May 2014
28. Three days workshop on *Cloud Computing*, organized by Nihon Communication, Bengaluru, 16th - 18th January 2015
29. One day workshop on *Curriculum Development and Reforms*, organized by Basaveshwar Engineering College, Bagalkot, 25th July 2015
30. Two days short term program on *Telecom Management Current and Emerging*, organized by Indian Institute of Technology, Delhi, 20th - 21st August 2015
31. Two days workshop on *Entrepreneurship Development and Implementation of DEBM Program*, organized by Basaveshwar Engineering College, Bagalkot, 26th - 27th August 2015
32. One day Workshop on *IEEE APS Region Distinguished Speaker Programme*, organized by Basaveshwar Engineering College, Bagalkot, 11th September 2015
33. One week TEQIP sponsored faculty development programme on *Management Capacity Enhancement*, organized by Indian Institute of Management, Tiruchy, 12th - 16th October 2015

34. Three days faculty development programme on *Optimization of Electronics Design System*, organized by Basaveshwar Engineering College, Bagalkot, 18th - 20th February 2017
35. Three days faculty development programme on *Advanced Control Systems*, organized by Basaveshwar Engineering College, Bagalkot, 27th - 29th March 2018
36. One week short term program on *IoT and Embedded Systems*, organized by GSS Institute of Engineering and Technology for Women, Mysuru, 24th - 28th September 2018
37. *Examination Reform Policy*, organized by Basaveshwar Engineering College, Bagalkot, 06th - 07th May 2020
38. One day E-workshop on *Awareness and Prevention of Sexual Harassment at Work Places*, organized by Basaveshwar Engineering College and (TEQIP), Bagalkot, 27th June 2020
39. One week TEQIP - III sponsored online faculty development programme on *Six Sigma*, organized by IQAC and Basaveshwar Engineering College, Bagalkot, 06th - 10th July 2020
40. Five days future skill development programme on *IoT*, organized by Indian Institute of Technology, Indore 07th - 11th December 2020. (Online).
41. Five days online FDP on Inculcating Universal Human Values in Technical Education, 12 -16 July 2021, organized by AICTE New Dehli
42. Five days online FDP on Insight to US Baldrige Education Performance Excellence Frame work, 02-06 August 2021, AICTE and ATAL Acadmy New Dehli
43. One Week Orientation/ Refresher Programme on “Industrial Automation and Networking” Organized by Basaveshwar Engg College Bagalkot and AICTE –ISTE New Dehli.
44. One day International Webinar on Empowering Diversity in Science (GWB-2022) On 16th February 2022 conducted by ACT Mumbai and IUPAC
45. Twelve weeks FDP on Public Speaking. Organized by IIT Roorkee 25th July to 14th October.

Awards and Honors

| SN | Name of faculty | Hosted by | In appreciation of | Year of award | Remarks |
|----|---------------------------|-----------|---------------------------------------|---------------|---|
| 1 | Dr. Jayashree D. Mallapur | KSCST | Guide of the best project of the year | 2018 | Title of the project Smart gadget for women safety using IoT |
| 2 | Dr. Jayashree D. Mallapur | KSCST | Guide of the best project of the year | 2019 | Title of the project Center pivot irrigation system using IoT |