



Dr. Sanjeev J. Wagh

BE, ME, PhD.(Computer Engineering), MBA (NIBM, Chennai)
Post Doc Fellow(Aalborg University, Denmark), D.Sc. (Hon.)

Professor & Head, Information Technology
Government College of Engineering, Karad.

(An Autonomous Institute of Govt. of Maharashtra)

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EDUCATIONAL QUALIFICATION:

Sr. No.	Qualification	Institute/University	Specialization	Completion/Class
01	Post Doctoral Fellow	CTIF - Aalborg, Aalborg University, Denmark (EU)	Wireless Sensor Network	April 2013-May 2014
02	Doctorate of Philosophy PhD (Computer Sci&Engg)	SGGSIE&T, Nanded SRTM University, Nanded	Internet Routing	Degree Awarded 14 th Feb 2009
03	Masters of Engineering M.E.(Computer Engineering)	Government College of Engineering (COEP), Pune	Computer Engineering	Nov 2003/First Class
04	Bachelors of Engineering B.E. (Computer Sci&Engg)	SGGSIE&T, Nanded SRTM University, Nanded	Computer Science & Engineering	June 1996/First Class With Distinction
05	Master of Business Administration (MBA-IT)	NIBM - Chennai (ISO UK Certified)	Information Tech.	May 2015/First Class

PROFESSIONAL EXPERIENCE:

Sr.No.	Post & Organizations	From	To	Approvals
01	Professor & Head, Information Technology, Government College of Engineering, Karad.	08/07/ 2016	Till date	MPSC Selection, Govt. of Maharashtra
02	Principal / Professor in Computer Engineering, K. J. College of Engineering &Mgmt Research, Pune.	16 /11/2010	30 /06/2016	Approval No. CCO/1670 Dated:03/02/2011 Pune University
03	Professor & Head of the Department Computer Engineering, MIT Academy of Engineering, Pune	01/03/2009	15 /11/2010	Approval No. CCO/957 Dated:15/01/2010 Approval No. CCO/ 1249 Dated:30/12/2010 Pune University
	Assistant Professor, Maharashtra Academy of Engineering, Pune	30/06/2006	28/02/2009	Approval No. CCO/138 Dated:15/11/2006 Pune University
04	Assistant Professor, Army Institute of Technology, Pune	01/08/2005	29/06/2006	Approval No. CCO/82 Dated:05/01/2006 Pune University
05	Assistant Professor, SRES College Of Engg, Kopergaon.	01/12/2003	30/07/2005	Approval No. CCO/451 Dated:12/01/2005 Pune University
	Lecturer, SRES College Of Engg, Kopergaon.	01/07/1999	30/11/2003	Approval No. CCO/17 Dated:26/11/1999 Pune University
06	Lecturer,MIT/PES, College of Engineering, Aurangabad	14/08/1996	31/07/1998	Approved by Dr. B.A.M.U, Aurangabad.

AWARDS:

- Honorary **D.Sc Award** (Doctrin De Science Award Honoris Causa), Division for Certification and Accreditation
- **Best Paper Award** at International Conference on Parallel & Distributed Computing, presented at Vellore Institute of Technology, Vellore, Tamil Nadu, India. (2004).
- **Best Paper Award** at International conference on Communication Networks and Signal Processing ICCNSP-2015,Bangalore, India (2015).

MOOCS COURSES COMPLETED (CERTIFICATIONS)

Sr. No	Name of the Course	Instructor	Certificate Id
1.	Big Data Emerging Technologies	Jong-Moon Chung, Professor, School of Electrical & Electronic Engineering Director, Communications & Networking Laboratory, YONSEI University, South Korea	6KN49KEAEB63
2.	Introduction to the Internet of Things and Embedded Systems	Ian Harris, Professor Department of Computer Science University of California, Irvine USA	5VRNYSDPNQG7
3.	Design Thinking for Innovation	Jeanne M. Liedtka Professor of Business Administration, United Technologies Corporation, Darden School of Business University of Verginia, USA	ZB3GH3D4NXJK
4	Introduction to Data Science	Polong Lin, Alex Akson, Ph.D.Rav Ahuja Data Scientists , AI & Data Science, IBM Skills Network, USA	WCYGCCETHXN7
5	What is Data Science	Polong Lin, Alex Akson Data Scientists IBM, USA	TD86NFX34V5T
6	Data Science Methodology	Polong Lin, Alex Akson Data Scientists IBM, USA	TYUBLDGAVR9
7	Databases and SQL for Data Science	Rav Ahuja, Program Director, AI & Data Science IBM Skills Network, USA	9CPBMU3G8H25
8	Open Source tools for Data Science	Polong Lin Data Scientist, IBM USA	33QM65B4EC4A

SUBJECTS OF INTERESTS/TAUGHT:

PhD Course Work: Research Methodology, Advances in Networking, Design & Analysis of Computer Network, Mathematical Modeling, etc.

Post Graduate: Internet Routing Design, Network and Information Security, Advanced Computer Network, etc.

Under Graduate: Internet of Things, Design and analysis of Algorithms, Computer Networks, Internet Technologies, Software Engineering, Discrete Structure, etc. Internet of Things, Data Analytics, Digital Security and Forensics, Science of Design, etc

PROFESSIONAL MEMBERSHIP:

- ◇ Fellow IETE (F-235894)
- ◇ Life Member ISTE Society (LM-31587)
- ◇ Member IEEE (Annual)
- ◇ Member ACM (M-802976 08/2010)
- ◇ Member, The Institution of Engineers (India)
- ◇ Member ,International Association of Engineers IANG, Hong-Kong (Member Id: 62705)

PROFESSIONAL ACTIVITIES:

- **Reviewers for International Journals and Conference:**
 - Reviewer, IEEE Transactions on Mobile Computing (USA)
 - Reviewer, Journal on Intellegent Computings, Web of Science Journals.
 - **Reviewers for International Journal** of Electronic Security and Digital Forensics. (Inderscience publishers) 03/2019
 - **Reviewers for International Journal** of Advances in Science and Technologies 05/2020 (Scopus Index Journal)
 - **Authentic reviewer for European Alliance for Innovation publications@eai.eu | www.eai.eu** 09/2019 (Web of Science)
- **Member** of International Journal on Computer network and Internet Research Cairo university, Egypt)
- **Member, IQAC, DY Patil College of Engineering, Akurdi Pune**
- **Member, Academic Advisory Board, DY Patil College of Engineering, Kolhapur.**

PhD RESEARCH GUIDE AFFILIATIONS:

1. Shivaji University Kolhapur
2. DoT Savitribai Phule Pune University
3. Satybhama University, Chennai.
4. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
5. North Maharashtra University, Jalgaon

PhD RESEARCH CANIDATES (AWARDED AND ONGOING):

1. **PhD Degree Awarded:**
 - a. Performance Analysis & Enhancement of Energy Optimization using Topology Control in WSN Ms. Manisha Bhende, **University: Savitribai Phule Pune University (2012-2016).**
 - b. “Enhanced mechanisms for Energy aware Routing and Reliability in Wireless Sensor Networks”, Mr. Soumitra Das, University: Sathyabhama University, Chennai (2013-2019).

- c) "Design and Implementations of Scheduling Algorithms in Wireless Sensor Networks" Mr. Deepak Mhetre, University: Sathyabhama University, Chennai (2013-2019).
- d) "A hierarchical fractional LMS prediction method for data reduction in a wireless sensor network" Mr. Pramod Ganjewar, University; Sathyabhama University, Chennai (2013-2019)
- e) "Integrated Approach of IPS/IDS for MANET using context aware Hybrid Approach" Mr. Sachin Godse, University: Savitribai Phule Pune University [Guide/Co-guide] (2014-2019).

2. PhD Research Ongoing :

- a) "Techniques for Forensic Enabled Security in Cloud Computing Environment", Scholar Name: Mr. Sagar Rane, **Research Center:** Department of Technology, **Savitribai Phule Pune University** (2018 - ongoing).
- b) "Spectrum Prediction Model for Future Internet Usage", Scholar Name: Mr. Sandeep Pokharkar, Research Center: Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (2015 - ongoing).
- c) "Implementations and experimental analysis on secured geographic location based authentication system", Scholar Name: Ms. Yogeshwari Borse, Research center: Kavyatri Bahinabai Choudhary North Maharashtra University Jalgaon (2015- ongoing)
- d) "Efficient Land Cover Classification using a fusion of deep learning with fuzzy logic" , Scholar Name: Ms. Vandana Chavan, Research Center: Dept. of Technology, Shivaji University Kolhapur. (2020 - ongoing)
- e) "Investigation for Diabetic Retinopathy Detection Using Pseudo-Labeling Classifier, Scholar Name: Mr. Umesh Patil, Research Center: Dept. of Technology, Shivaji University Kolhapur. (2020 - ongoing)
- f) "Improvised Detection of Fake News on Social Media Platforms", Scholar Name: Ms. Pradnya Patil, Research Center: Dept. of Technology, Shivaji University Kolhapur. (2020 - ongoing)
- g) "Efficient Efficient computing technique to classify Skin Lesion using Clinical data", Scholar Name: Mr. Sadanand Howal, Research Center: Dept. of Technology, Shivaji University Kolhapur. (2020 - ongoing)

PHD THESIS EVALUATED & EXAMINED:

- 1. "Design and Management of Efficient Networks using Simulation model", Research Scholar: Mr.HitendraPatil; Research Guide: Dr. Suresh Mehrotra, University: Dr. B A Marathwada University, Aurangabad, MS (2013).

2. **“Improved extraction mechanism in ETL process for building of a data warehousing”**, Research Scholar: Ms. Preeti Patil; Research Guide: Dr. Shrikant Rao, University: NMIMS University, Mumbai (2015).
3. **“Semantic Information Extraction using Ontology for Handwritten Devnagari Script Documents”**, Research Scholar: Ms. Sharwari Govilakar, Research Guide: Dr. J. W. Baakal,, Mumbai University (2016).
4. **“Design and simulate cloud computing environment using cloudsim”**, Research Scholar: Ms. Jayshri Pagare Research Guide. Dr. Nitin Koli, SGM Amravati University (2016)
5. **“Reinforcement learning algorithm for Optimized Routing for Mobile AD HOC network”** Research Scholar: Mr. Rahul Desai, Research Guide: Dr. B. P. Patil: SP Pune University (2017).
6. **“Context aware Routing Algorithmic technique in Internet of Things for an Information Communication and Technology (ICT) Applications”** Research Scholar: Mr. Amot Dhumane, Research Guide: Dr. R. S. Prasad: SP Pune University (2018).
7. **“Development of Novel Algorithms for Analysis and Visualization of Large Graph”** Research Scholar: Ms. Swati Bhavsar, Research Guide: Dr. V. H Patil: SP Pune University (2018).
8. **“Algorithm for context-aware clustering and adaptive addressing for next generation internet”**, Research Scholar: Mr. Vinod Kimbahune, Research Guide: Dr. A. V. Deshpande: SP Pune University (2018).
9. **“Multi-Lead ECG Signal Compression for Hand-Held Devices”**, Research Scholar: Ms. K. Surekha, Research guide: Dr. B. P. Patil, Research Center: SP Pune University (2018)
10. **“Analysis and Design of Various Cluster based Summarization Techniques to Design and Development of Cluster based Query Specific Text Summarization Methodology (Technique)”**, Research Scholar: Mrs. Mrunal Subodh Bewoor, Research Guide Dr. S H Patil, Research Center: Bharti University, Pune (2019)
11. **“Optimal task scheduling for efficient resource allocation in cloud computing”**, Research Scholar: Mr. Mahendra Bhatu Gawali, Research Guide: Dr. S. K. Shinde, Mumbai University (2019)
12. **“An efficient algorithms for Descimination Prevention in Data Mining”**, Research Scholar: Mr. Manoj Wackchaure, Research guide: Dr. Shirish Sane, Research Center: SP Pune University (2019)
13. **“Building Accuracies in Opinion Mining By Various Mining Strategies and Techniques”**,Research Scholar: Ms. Savita Sangam, Research guide: Dr. S. K. Shinde, Research Center: Mumbai University (2019)

14. **Challenges and Opportunities of Privacy, Security Issues in Cloud Computing for Healthcare Services Sector Using Secret Sharing**", Research Scholar: Ms. Manisha Dudhani, Research guide: Dr. Santosh Lomte, Research Center: Research Center: Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (2019).
15. **"Algorithm and techniques for Power aware distributed system"**, Research Scholar: Mr. Nitin More, Research guide: Dr. Rajech Ingle, Research Center: SP Pune University (2020).
16. **"Generalized approach for video segmentation for video analytics focusing on personal videos"** ", Research Scholar: Mr. Pratap Sanap, Research guide: Dr. Sheila Apte, Research Center: SP Pune University (2020).
17. **"Secure Data Communication in Internet of Things"**, Research Scholar: Ms. Sneha Deshmukh, Research guide: Dr. Santosh Sonawane, Research Center: SP Pune University (2021)
18. **"Performance optimization of meta search engines for re-ranking of webpages."** Research Scholar: Ms. Lata Sankpal, Research guide: Dr. Suhas H Patil, Research Center: Bharti Vidyapeeth Deemed University, Pune (2021)

INTELACTUAL PROPERTY RIGHTS (IPRs):

1. Patent File No. Docket 9416: (Application no.1500/MUM/2014)
Automatic Vehicle park Management System using wireless Sensor Networks
2. Patent File No. Docket 13402: *Managing Grain Storage. (No.1980/MUM/2014 A)*
3. Patent File No. Docket 13404: *Managing Grape yards.*
4. Copyright Registration No. L-58585/2014: Manisha Bhende & Dr. Sanjeev J Wagh: *"Efficient use of Wireless Sensor Network for Monitoring Environmental Parameter in Precision Agriculture"*
5. Copyright Registration No. L-58586/2014: Manisha Bhende& Dr. Sanjeev J Wagh: *"Image Modulator for Printing Document Security"*

PATENT LICENCNS AGREEMENT:

Patent Application No. 1980/MUM/2014 – Managing Grain Storage
Firm: Constellation Software & Consulting Pvt. Ltd.

TECHNOLOGY TRANSFER:

Prototype Development for Monitoring Environmental Parameter in Precision Agriculture at DHARME AROMATIC & MEDICINAL ESTATE, At post Bordi, Tal. Akot, Dist Akola (MS)

FUNDINGS:

1. AICTE: MODROB Modernizations of Network Laboratory (2019-21): Proposal Cost: 9.6 lakhs. (Special scheme for Rural-MODROB)
2. AICTE: MODROB Modernizations of Network Laboratory (2016-17): Proposal Cost: 16.70 lakhs.
3. AICTE:FDP International Seminar (2016-17) Proposal Cost: 3.00 Lakhs.
4. Principal Investigator: Research Project on Distributed Image processing. Grant received of Rs. 1,00,000 from University of Pune (2006-2008).

PUBLICATIONS: INTERNATIONAL JOURNALS:

1. Sagar Rane , Sanjeev Wagh , Arati Dixit, “Facilitating Secure and Efficient Health Information Exchange using Blockchain”, Journal of Solid State Technology (Scopus Indexed) Volume 63 No. 2 (2020), PP 969-991 ISSN:0038-111X
2. Kashinath Chaudhary, Sanjeev wagh, “COVID-19: Recent Prediction Modeling techniques using Machine Learning - A Survey”, Journal of Solid State Technology (Scopus Indexed) Volume 63 No. 2 (2020), PP 863-876 ISSN:0038-111X
3. Sagar Rane, Sanjeev Wagh, Arati Dixit, “Securing Trustworthy Evidences for Robust Forensic Cloud in Spite of Multi-stakeholder Collusion Problem”, [International Conference on Hybrid Intelligent Systems](#) HIS 2019: [Hybrid Intelligent Systems](#) pp 376-386 | Part of the [Advances in Intelligent Systems and Computing](#) book series (AISC, volume 1179)
4. Sagar Rane , Sanjeev Wagh, Arati Dixit, “Facilitating Secure and Efficient Health Information Exchange using Blockchain”, International Journal of Advanced Science and Technology Vol. 29, No. 6, (2020), pp. 2019-2025 1 ISSN: 2005-4238 IJAST Copyright © 2020 SERSC
3. Sanjeev Wagh, Chaitanya Wagh, Parikshit Mahalle, “[Epidemic Computational Model using Machine Learning for COVID-19](#)” International Journal of Future Generation Communication and Networking Vol. 13, No. 3, (2020), pp. 1296–1303 , ISSN: 2233-7857 IJFGCN Copyright ©2020 SERSC 1287
4. Dr. S. J. Wagh, Kasturi Kulkarni, “Data Analytics Tools - A survey” International Journal of Future Generation Communication and Networking Vol. 13, No. 3, (2020), pp. 1809–1823 ISSN: 2233-7857 IJFGCN Copyright ©2020 SERSC 1809
5. Swapnil R Pokharkar, Sanjeev Wagh, Sachin Deshmulh, “[Bandwidth Comparison Model for Future Internet Using Machine Learning](#)”, International Journal of Future Generation

Communication and Networking Vol. 13, No. 3, (2020), pp. 1249–1257, ISSN: 2233-7857
IJFGCN Copyright ©2020 SERSC 1287

6. Abha Parihar, Suraj Bhosle, Shubham Patil, Shreya Kapgate, Sanjeev Wagh, “Type 2 Diabetes Prediction Using Lightgbm”, International Journal of Future Generation Communication and Networking Vol. 13, No. 3, (2020), pp. 1365–1373, ISSN: 2233-7857
IJFGCN Copyright ©2020 SERSC 1287
7. Prajakta Patil, Sukanya More, Atharv Deshpande, Harshal Todkar, Sanjeev Wagh, “ Water Quality Monitoring for Disease Prediction using Machine Learning”, International Journal of Future Generation Communication and Networking Vol. 13, No. 3, (2020), pp. 1240–1248, ISSN: 2233-7857 IJFGCN Copyright ©2020 SERSC 1287
8. Sandesh S. Mahamure , Sanjeev J. Wagh, “Blockchain Technology for Real Estate Documents Protection Using Ethereum”, International Journal of Future Generation Communication and Networking Vol. 13, No. 3, (2020), pp. 1287–1295 ISSN: 2233-7857
IJFGCN Copyright ©2020 SERSC 1287
9. Chaitanya Wagh, Parikshit Mahalle, , Sanjeev Wagh, “Epidemic Peak for COVID-19 in India 2020”, {Preprint ARTICLE | doi:10.20944/preprints202005.0176.v1 } Journal of Solid State Technology (Scopus Indexed) Volume 63 No. 2 (2020), PP 891-898 ISSN:0038-111X
10. Utkarsha Patil, Vaibhav Patil, Shubham Tavate, Apurva Gat, Sanjeev Wagh, “Integrated Agriculture System Using IoT”, International Journal of Science and Research (IJSR) ISSN: 2319-7064 ResearchGate Impact Factor (2018): 0.28 | SJIF (2018): 7.426, Volume 8 Issue 4, April 2019
11. Ajay Doltade, Ankita Kadam, Sayali Honmore, Sanjeev Wagh, “Intelligent Grain Storage Management System based on IoT”, International Journal of Science and Research (IJSR) ISSN: 2319-7064 Impact Factor (2018): 7.426, Volume 8 Issue 3, March 2019
12. Ankita Taware, Vrunda Ghate, Minal Gaingade, Mayuri Bhandvalkar, Sanjeev Wagh, “Water Quality Monitoring System using IoT”, , International Journal of Advanced Research and Publications ISSN: 2456-9992Volume 1 Issue 1, July 2017
13. Pramod D Ganjewar, S. Barani, Sanjeev Wagh, “HFBLMS : Hierarchical Fractional Bidirectional Least-Mean-Square Prediction method for data reduction in wireless sensor network”, **International Journal of Modeling, Simulation and Scientific Computing** Vol. 09, PP. 24, Issue – 2 Year - 2018 (**Open Access Journal**) [WoS indexed Journal]

14. Pramod D. Ganjewar, Barani S., Sanjeev J. Wagh, "A Hierarchical Fractional LMS Prediction method for data reduction in wireless sensor network", Ad Hoc Networks [**WoS indexed Journal**] Elsevier BV, Netherland (2018)
15. **Deepak C Mehetre**, S.Emalda Roslin, Sanjeev J Wagh" Detection and Prevention of Black Hole and Selective Forwarding Attack in clustered WSN with Active Trust", Cluster Computing (The Journal of Networks, Software Tools and Applications), ISSN: 1386-7857 (Print) 1573-7543),Impact factor 2.046, SNIP Rating 1.5, SJR 0.5,h5 index 26, Springer. (**Open Access Journal**) [**WoS indexed Journal**] 2018
16. Pramod D. Ganjewar, Barani S., Sanjeev J. Wagh, "Survey on Data Reduction Techniques for Energy Conservation for prolonging Life of Wireless Sensor Network", CiiT International Journal of Wireless Communication Vol. 10, Issue - 2, PP : 17 - 25, Year - 2018(**Open access Journal**)
17. **Deepak C Mehetre**, S. Emalda Roslin , S J Wagh, "Remote Street Light and Wireless Sensor Network through Sleep Scheduling " International Journal of Communication Networks and Information Security (IJCNIS) ISSN: 2076-0930 (Print) ISSN: 2073-607X (Online), **SJR 0.38, and SNIP 1.37,h index 13, Editing** , Publisher Institute of Information Technology, Kohat University of Science and Technology (**Scopus Indexed**)
18. Pramod D. Ganjewar, Barani S., Sanjeev J. Wagh, "Threshold Based Data Reduction for prolonging Life of Wireless Sensor Network", **International Journal on AdHoc Networking Systems (IJASN)**, Elsevier BV, Netherland Vol. 7, No. 1/2/3, July 2017, DOI - 10.5121/ijans.2017.7301, ISBN - 2249-0175(Online), (**Open Access Journal**) [**WoS indexed Journal**].
19. Soumitra Das, Shanmugavel Barani, Sanjeev Wagh Santosh Sonawane, "Optimal Clustering and Routing for Wireless Sensor Network Based on Cuckoo Search" International Journal of Advanced Smart Sensor Network Systems (IJASSN), Vol 7, No.2/3, July 2017
20. Manisha Bhende, Sanjeev Wagh, "Cyclic Cellular Automata to Enhance Lifetime of Wireless Sensor Network" **Engineering letters 2017**, (Scopus indexed journal).
21. Manisha Bhende, Sanjeev Wagh, "Energy Efficient Wireless Sensor Networks For Agriculture Monitoring "**Journal of Agricultural**, 2017.

22. Deepak Mehetre, Dr. S. Emalda Rosilin and Dr. S. J Wagh "Target Coverage and Data Collection for lifetime maximization in Wireless Sensor Network" International Journal of control theory and application (Scopus Index: 1.4 SNIP ratings). ISSN 0974-5572.(2017)
23. Soumitra Das, Barani S, Sanjeev Wagh, S S Sonavane (2017): "Extending Lifetime of Wireless Sensor Networks using Multi-Sensor Data Fusion" in Sadhana academy proceedings in engineering Sciences, Vol. 03, issue 07. (Scopus Index Journal)
24. Deepak C Mehetre, S.Emalda Roslin, Sanjeev J Wagh, "Detection and Prevention of Black Hole and Selective Forwarding Attack in clustered WSN with Active Trust", Cluster Computing: The Journal of Networks, Software Tools and Applications, ISSN: 1386-7857 (Print) 1573-7543 (Online), Impact factor 2.046, SNIP Rating 1.5, SJR 0.5, h5 index 26, Springer. (2017)
25. Deepak C Mehetre, S. Emalda Roslin , S J Wagh, "Remote Street Light and Wireless Sensor Network through Sleep Scheduling" International Journal of Communication Networks and Information Security (IJCNIS) ISSN: 2076-0930 (Print) ISSN: 2073-607X (Online), **SJR 0.38, and SNIP 1.37, H index 13**, (2017).
26. Soumitra Das, Barani S., Sanjeev Wagh and S.S.Sonavane , "A Survey of Nature Inspired Computing for Energy Optimization in Wireless Sensor Networks", International Journal of Computer Technology & Applications, Vol. 6 (6),931-942, ISSN:2229-6093.(2016)
27. Suchita Navpute, Mininath Nighot, Sanjeev Wagh, "Real Time and Dynamic Verification of Data Plane in Software Defined Networks" International Journal of Advance Computational Engineering and Networking (IJACEN) Volume-4, Issue-10 (Oct, 2016)
28. Soumitra Das, Sanjeev Wagh (2015): "Prolonging the Lifetime of the Wireless Sensor Network based on blending of Genetic Algorithm and Ant Colony Optimization" in Journal of Green Engineering, Vol 4, issue 3 April 2015, PP 245-260. River Publishers, University of Zagreb, Croatia.

29. Manisha Bhende, Sanjeev Wagh, "Comparative analysis of topology control algorithms to enhance network Lifetime", ARPJ Journal of Engineering and Applied Sciences, ISSN: 1819-6608, Vol. 10, No 2, Feb. 2015.
30. Manisha Bhende, Sanjeev Wagh, "Improving Efficiency of Topology Control Algorithm using RSSI as link metric for Wireless Sensor Network", International Journal of Applied Engineering Research, 2015 (Scopus Indexed).
31. Manisha Bhende, Sanjeev Wagh, "Intelligent Car Park Management System using Wireless Sensor Network ", International Journal of Computer Application, ISSN: 0975-8887, Volume 122, No 10, July 2015 pp. 1-6.
32. Soumitra Das and Sanjeev Wagh, "Prolonging the Lifetime of the Wireless Sensor Network Based on Blending of Genetic Algorithm and Ant Colony Optimization", Journal of Green Engineering, Vol. 4, 245-260. doi: 10.13052/jge1904-4720.435, March 2015. River Publishers, University of Zagreb, Croatia.
33. Soumitra Das and Sanjeev Wagh, "Chameleon based Clustering for Wireless Sensor Network", International Journal of Applied Engineering Research USA, ISSN 0973-4562 Volume 10, Number 8 (2015) pp. 20581-20595
34. Soumitra Das, Barani S. and Sanjeev Wagh, "Energy and Trust Aware Clustering based on Genetic Algorithm for Wireless Sensor Networks", International Journal of Computer Applications (0975 - 8887)
35. Soumitra Das, Barani S., Sanjeev Wagh and S.S.Sonavane , "An Exhaustive Survey on Nature Inspired Metaheuristic Algorithms for Energy Optimization in Wireless Sensor Network", ICTACT Journal on Communication Technology, Dec. 2015, Vol. 06, Issue 04.
36. Soumitra Das, Sanjeev Wagh, Pramod D Ganjewar, "Energy Efficient Cluster based Hierarchical Routing Protocols in Wireless Sensor Network - a Survey", Multidisciplinary Journal of Research in Engineering and Technology, Volume 1, Issue 1 (April 2014) Pg. 06-22

37. Deepak C Mehetre and Dr.S. J Wagh“Edge Coloring Scheduling Algorithm for Wireless Sensor Network using TDMA based Mac Protocol” Multidisciplinary Journal of Research in Engineering and Technology, Volume 1, Issue 1 (April 2014) Pg.33-39, ISSN : 23486953.
38. Sarika Patil & Sanjeev Wagh, “Monitoring and Detection of Agricultural Disease using Wireless Sensor Network”, Journal of Computer Applications, IJCA Vol. 87-Number 4, 2014 doi:10.5120/15193-3573
39. Sanjeev Wagh & Ramjee Prasad, “Energy Optimization in Wireless Sensor Network through Natural Science Computing: A Survey”, Journal of Green Engineering, Vol. 3, 383–402, Sept, 2013. River Publishers, University of Zagreb, Croatia.
40. Deepak Mehetre, Dr. Sanjeev Wagh “Survey of Energy-Efficient Routing Algorithm for Wireless Sensor Networks” CiiT International Journal of Wireless Communication, Vol 4, No 15 (2012), ISSN 0974 – 9756 & Online: ISSN 0974 – 9640,2012.
41. Deepak Mhetre, SupriyaPustake& Sanjeev Wagh, “Survey of Energy efficient routing algorithms for wireless sensor networks”, International Journal of Communication, Nov, 2012, DOI:wc112012003
42. D. P. Gaikwad& Dr. S. J. Wagh, “Color Image Restoration for an effective Steganography”, published in Asia-Pacific **I-manager’s Journal on Software Engineering**, Vol 4 Issue (3), Pages 65-71, Jan-Mar 2010.
43. S. J. Wagh& Dr. T. R. Sontakke, “An advanced Packet Classification Technique for Next Generation Internet”, Asia-Pacific **I-manager’s Journal on Software Engineering**, Issue (I), Pages 30-38, August 2006.
44. S. J. Wagh& Dr. T. R. Sontakke, “A Scalable Approach for Packet Classification Using Rule-Base Partition” published in International Journal on Computer Network and Internet Research Journal, Cairo University, **EGYPT**, Volume (5), Issue (I), Pages 19-28, Dec. 2005

PUBLICATIONS: INTERNATIONAL CONFERENCES:

1. Sagar Rane, Sanjeev Wagh, Arti Dixit, "Design of a Forensic Enabled Secure Cloud Logging", ICDCN 2020: 21st International Conference on Distributed Computing and Networking, Jan 2020.
2. Pramod Ganjewar, Shanmugavel Barani, Sanjeev Wagh, Santosh sonawane, "Food Monitoring Using Adaptive Naïve Bayes Prediction in IoT, International Conference on Intelligent Systems Design and Applications , ISDA 2018 2018: Intelligent Systems Design and Applications pp 424-434 |
3. Sanjesh Pawale, Sanjeev Wagh, Ranjana Jadhav, " An efficient congestion control methodology to enhance performance of TCP in wired network, Fourth International Conference on Image Information Processing (ICIIP) December 2017
4. Varsha Sid, Deepak Mehetre, S. Emalada Roslin, Sanjeev Wagh, "Efficient Routing in Wireless Sensor Network using Data Collection Node, International Conference on Computing, Communication, Control and Automation (ICCUBEA) 2017.
5. Deepak C Mehetre, S. Emalda Roslin , S J Wagh," Data Collection Schemes with Efficient Routing In Wireless Sensor Network", 4th IEEE International Conference on Computing, Communication, Control And Automation 16th - 18th Aug 2017,Pune India.
6. Pramod D. Ganjewar, Barani S., Sanjeev J. Wagh, "*Energy Efficient Deflate (EEDeflate) Compression For Energy Conservation in Wireless Sensor Network*", Intelligent Systems Technologies and Applications 2016 (ISTA 2016), **Springer International Publishing Aug 2016, DOI - 10.1007/978-3-319-47952-1_22.**
7. Soumitra Das, Barani S., Sanjeev Wagh and S.S.Sonavane, "*Energy Aware Routing Based on Multi-sensor Data Fusion for Wireless Sensor Networks*", SmartCom 2016, CCIS 628, pp. 495-502, 2016. Springer Nature Singapore Pte Ltd. 2016, DOI: 10.1007/978-981-10-3433-6_59.
8. Soumitra Das, Barani S., Sanjeev Wagh and S.S .Sonavane, "*Energy Efficient an Trustable Routing Protocol for wireless sensor networks based on genetic algorithm (E2TRP)*", 2016 IEEE International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT), 978-1-5090-2080-5/16.
9. Priyanka Kamthe, Sanjeev Wagh, " Tree based aggregation for preventing compromised node's intention in WSN" International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT) 2016

10. Priyanka Chauhan, Sanjeev Wagh "Multilevel image segmentation using hybrid Darwinian swarm Optimization", 3rd International Conference on Signal Processing and Integrated Networks (SPIN) February 2016
11. Pramod D. Ganjewar, Sanjeev Wagh and Barani S., "Threshold Based Data Reduction Technique (TBDRT) For Minimization of Energy Consumption in WSN", Pg. No. 619 - 623, IEEE International Conference on Energy Systems and Applications (ICESA-2015) **ISBN Proceeding: 978-1-4673-6817-9/15.**
12. Pramod D. Ganjewar, Barani S., Sanjeev J. Wagh, "Data Reduction using Incremental Naïve Bayes Prediction (INBP) in WSN", IEEE International Conference on Information Processing (ICIP) 2015 **ISBN Proceeding : 978-1-4673-7758-4/15.**
13. Deepak C Mehetre and Dr. S.J Wagh "Energy Efficient Disjoint Path Routing Using Genetic Algorithm for Wireless Sensor Network" 2015 International Conference on Computing Communication Control and Automation" at Pune, 978-1-4799-6892-3/15 \$31.00 © 2015 IEEE DOI 10.1109/ICCUBEA.2015.40
14. Deepak C Mehetre , Dr.S.Emalda Rosilin and Dr. S. J Wagh" Co-operative Wake -Up Scheduling for Energy Efficiency in Wireless Sensor Network" International conference on Communication Networks and Signal Processing ICCNSP-2015,Bangalore, India dec 3rd - 5th 2015 ,Proceeding in Mc Graw Hill Education, ISBN-13:978-93-85880-73-5. (Best Paper Award)
15. Vishakha Deshmukh, Sanjeev Wagh, "A proposed architectural model for vital sign monitoring system", International Conference on Communications and Signal Processing (ICCSP) April 2015
16. Madhavi Vharkute, Sanjeev Wagh, " An architectural approach of internet of things in E-Learning 2015 International Conference on Communications and Signal Processing (ICCSP) April 2015
17. Suhas Patil, Deepali B. Gothawal, Sanjeev Wagh, A cross-layer topology control with clustering and routing for energy efficient wireless sensor networks", International Conference on Green Computing Communication and Electrical Engineering (ICGCCEE) , (2014) **INSPEC Accession Number:** 14665936 **DOI:** 10.1109/ICGCCEE.2014.6922454
18. Manisha Bhende, Sanjeev Wagh, "Extending lifetime of Wireless Sensor Network using Connected Dominating Set and Energy Harvester" **IEEE International Conference, ICCUBEA-2014**,26-27 Feb 2015, pp. 171-181.

19. Manisha Bhende, Sanjeev Wagh, "*Link Efficiency based Topology Control Algorithm for Wireless Sensor Network*", **Elsevier International Conference, ERCICA 2014**, 1-2 August 2014, pp. 116-122, ISBN 9789351072607.
20. Manisha Bhende, Sanjeev Wagh, "*Extending Lifetime of wireless sensor network using cellular Automata*", **Springer International Conference, ICACCI-2014**, 12-15 September 2014, Intelligent Distributed Computing.
21. Manisha Bhende, Sanjeev Wagh, "*Lifetime Maximization in Heterogeneous Wireless Sensor Network Based on Metaheuristic Approach*", **Springer International Conference, FICTA-2014**, Springer International Publishing.
22. Manisha Bhende, Sanjeev Wagh, "*A Quick Survey On Wireless Sensor Networks*" **IEEE International Conference, CSNT-2014**, Published in IEEE Explore, DOI 1109/CSNT.2014.40
23. Manisha Bhende, Sanjeev Wagh, "*IPoly: Improved Reliable and Energy Efficient Topology Control Protocol for Wireless Sensor Network*", **c-PGCON-2014, University of Pune**, 28-29 Mar. 2014.
24. Soumitra Das and Sanjeev Wagh, "*A Secured Energy Efficient Clustering and Data Aggregation Protocol for Wireless Sensor Networks*", Proceeding Elsevier's International Conference on Applied Information & Communication Technology, (ICAICT) (493-499) 28-29 April 2014, at Middle East College Oman.
25. Sanjeev Wagh & Ramjee Prasad, "*Density Based Power backup Clustering Algorithm for Maximizing Lifetime of Wireless Sensor Networks*", **Wireless VITAE 14, Global Wireless Summit**, May 2014, **Aalborg, Denmark**.
26. Sanjeev Wagh & Ramjee Prasad, "*Internet of Things: An Architectural Approach for Teaching Learning Process in Educational System*", **Elsevier International Conference Recent Trends in Engineering & Technology**, ICRTET 2014, March 28-30 2014, Nashik. India
27. Sanjeev Wagh & Ramjee Prasad, "*Maximizing Lifetime of Wireless Sensor Networks using Genetic Approach*", 4th **IEEE International Advance Computing Conference, IACC14**, 21 & 22 Feb 2014, GTU, Haryana India.
28. R. M. Goudar, Sanjeev Wagh, Mahesh Goudar, "*Secure data transmission using steganography based data hiding in TCP/IP*", Proceedings of the ICWET '11 International Conference & Workshop on Emerging Trends in Technology, Mumbai, Maharashtra, India, February 25 - 26, 2011

29. D. P. Gaikwad, Sanjeev Wagh, "Genetic algorithm based filter and ANN based classifier for face recognition", Proceedings of the ICWET '10 International Conference & Workshop on Emerging Trends in Technology, Mumbai, Maharashtra, India, February 26 - 27, 2010
30. D P Gaikwad& S J Wagh, "*Image Restoration based LSB steganography for Color Image*", **Asia Pacific Regional conference on Information & Communication Technology and Management**, NMIMS, MPSTME, Mumbai, (MS), India, 05-06-March, 2010.
31. D P Gaikwad& S J Wagh, "*Genetic Algorithm based filters and ANN based Classifier*", **ACM International Conference & Workshop on Emerging Trend in Technology 2010**, Thakur College of Engineering & Technology, Mumbai (MS), India, 26-27 Feb, 2010.
32. **S.J.Wagh& T R Sontakke**, "*TEAPC: Time Efficient Algorithm for multidimensional Packet classification*" **IEEE International Advanced Computing Conference (IACC 2009)** Patiala, Punjab, March 06 - 07, 2009.
33. S J Wagh& T R Sontakke, "*SSS: Packet classification using simple split structure*" Presented at **IEEE International Conference on Advanced Computer Theory and Engineering (ICACTE 2008)** Phuket, Thailand. December 20 - 22, 2008.
34. S. J. Wagh & Anup Vasudeva & SachinMunot, "*Extended Scheme for Multi-Dimensional Packet Classifications*", Presented at **International Conference on Embedded System & VLSI Design (ICEVD2008)** PDVVP College of Engineering, Ahmednagar (MS) India, 20-21 March 2008.
35. S. J. Wagh & Dr. T. R. Sontakke, "*GFPC: A Generic Framework for Packet Classification*", Presented at **IEEE International Conference on Advances in Computer Vision and Information Technology ACVIT - 07**, Dr. Babasaheb Ambedkar Marathwada University Aurangabad (MS) India.28-30 November. 2007
36. S A Jain, S J Wagh& S Das, "*Distributed Image Processing*", Presented at **ACM International Conference on Advances in Computing ICAC-08**,Anuradha College of Engineering, Chikli, Buldhana (MS) India.21-22 Feb07.
37. S. J. Wagh& S A Jain, "*NIEAS: Network based approach for Image Enhancement using Authoritative Segmentation*", Presented at **IEEE International Conference on Advances in Computer Vision and Information Technology ACVIT - 07**, Dr. Babasaheb Ambedkar Marathwada University Aurangabad (MS) India.28-30 November. 2007

38. S. J. Wagh & Dr. T. R. Sontakke, "MRIP: A Heuristic Approach for Packet classification using Multistage Refinement on IP Packet Header", Presented at **IEEE International Conference on Networking Proceeding ICN'06**, on 23rd - 28th April 2006, **Mauritius**.
39. S. J. Wagh & Dr. T. R. Sontakke, "Scalable Packet Classifications" Presented at. **IEEE Asia Pacific Conference on Distributed & Parallel Computing Proceeding ObCoM-2004**, Pages 265-278, on 13th - 15th Dec. 2004, at Vellore Institute of Technology, Vellore, Tamil Nadu, India. (*Awarded as Best Paper*)

PUBLICATIONS: NATIONAL JOURNALS / CONFERENCES:

1. Deepak C Mehetre, .Emalda Rosilin and S. J. Wagh, " Delay Minimization and load balancing in wireless sensor network using location based cluster (LBC) joining method ", National Conference on Advances in Computational Science, 18 Feb 2017, Karpagam University, Coimbatore, Tamil Nadu, India, Sponsored by CSI. PP 1-10.
2. Y.D. Chavahan, S. J. Wagh & R. B. Kulkarni, "Online voting system using Biometric Fingerprint" published in **Proc. National Conference on Recent Trends in Information Technology**, Pages 21, Oct. 2016 at Govt. College of Engineering, Karad. (MS).
3. Deepak C Mehetre and Dr. S. J. Wagh "Use of Aggregation scheduling Algorithm in Wireless Sensor Network", IEEE National Conference on, Modeling, Optimization and Control, 4th - 6th March 2015, NCMOC -2015" Pune.
4. **Deepak C Mehetre**, Dr.S.Emalda Rosilin and Dr. S. J Wagh " Co-operative Wake -Up Scheduling for Energy Efficiency in Wireless Sensor Network" International conference on Communication Networks and Signal Processing ICCNSP-2015, Bangalore, India dec 3rd - 5th 2015, Proceeding in Mc Graw Hill Education, ISBN-13 978-93- 85880-73- 5, PP 1-11, Received Best Paper Award.
5. S. J. Wagh, Y.D. Chavahan & K.N. Tayade, "Enhancing Teaching Learning Process using Internet of Things" published in **Proceeding, National Conference on Recent Trends in Information Technology**, Pages 19, Oct. 2016 at Govt. College of Engineering, Karad. (MS)
6. Pramod Ganjewar, Sanjeev J Wagh, "Behavioral Structures Used For Association Rule Mining Algorithms in WSN : A Survey", National Conference on Modeling, Optimization and Control (NCMOC-2015), Vishwakarma Institute of Technology, Pune, Maharashtra, India, 4-5th March 2015, ISBN : 978-93-83572-72-4.

7. S. J. Wagh & S A Jain, “ *Technical issues in Ethical Hacking*”, **ISTE Annual Convention- Feb 2007**, Bannari Amman Institute of Technology, Satysainagar (TN).
8. S J Wagh, P M Yawalkar, D B Kshirsagar,“*Design of ANTI-SPAM Laws: A Case Study*”**National conference on Networking**, at Dept of Computer Science, Bhartiya Vidya Peeth Sangli (MS) India Feb-2005
9. S J Wagh, P M Yawalkar, D B Kshirsagar,“*Policy Framework for Cyber Securities*”, **National conference on Networking**, at Dept of Computer Science, Bhartiya Vidya Peeth Sangli (MS) India Feb-2005.
10. S. J. Wagh & Dr. T. R. Sontakke, “*Routing Table Compaction in Ternary CAM*”**Proc. Recent Trends in Distributed Systems and Networking, National Conference 2004-05, 9th& 10th Sept.2004**, at Erode Senguthar Engineering College, Thudupathi, Erode, TN, India.
11. S. J. Wagh, P. M. Yawalkar & S. R. Patil, “*Hierarchical Intelligent Cuttings: A Packet Classification Technique A survey*”**Proc. National Conference on Signal Processing, Intelligent Systems and Networking - SPIN 2003**, Dec 4-5, 2003, Bangalore, India.
12. S. J. Wagh, P. M. Yawalkar & D. B. Kshirasagar, “*Packet Classification Techniques*”, **Proc. National Conference on Latest Trends in Information Technology**, at North Maharashtra University, Jalgaon, (MS) India Oct-2002.
13. S. J. Wagh, P. M. Yawalkar & D. B. Kshirasagar, “*Taxonomical Survey of IP Address Lookup Algorithms*”,**Proc. National Conference on Latest Trends in Information Technology**, at North Maharashtra University, Jalgaon, (MS) India, Oct 2002.
14. S. J. Wagh, P. M. Yawalkar & D. B. Kshirasagar, “*DNA Computing*”, **Proc. National Conference on Latest Trends in Information Technology**, at North Maharashtra University, Jalgaon, (MS) India Oct-2002.
15. S. J. Wagh, P. M. Yawalkar & D. B. Kshirasagar, “*Biotech Computers*”,**Proc. National Conference on Latest Trends in Information Technology**, at North Maharashtra University, Jalgaon, (MS) India Oct-2002.

BOOK PUBLICATION:

Applied Machine Learning for Smart Data Analysis

Nilanjan Dey, Sanjeev Wagh, Parikshit N. Mahalle, Mohd. Shafi Pathan,

□ Publication date 05 Jun 2019 □ Publisher Taylor & Francis Ltd □ Imprint CRC Press

□ Publication City/Country London, United Kingdom □ Language English

PUBLICATIONS SUMMARY:

International Journal	International Conference	National Conference/Journal	Book	Total
46	39	15	01	101

INVITED TALK / GUEST SPEAKER:

1. Network Administration in Intranet & Internet, SRES College of Engineering, Kopergaon, July 2005.
2. Research Scope in Packet Classification, at MIT Academy of Engineering, Alandi. April 2008.
3. Research Methodologies in Computer Network, at D.Y Patil College of Engineering, Pune. Nov 08
4. Internet Technology: Past, Present & Future, VTU Belgum, July 2009
5. Basics of Networking, STES Sinhgad College of Engineering, Lonawala., 07th Feb 2010.
6. Networking Technologies, SVCER College of Engineering, Pandharpur, 12th Sept, 2010.
7. Recent trends in Networking, AISSMA IOIT Pune, 7th Feb 2011.
8. Packet Classification Algorithms; Research scopes, Challenges & Approaches, Keynote Speaker, Second International Conference on Computational Intelligence Application, Feb 2011 Nasik, (MS).
9. Mathematical Foundation in Computer Networking, Special Session, STTP on Mathematics for Researchers, SITs SKN College of Engineering, Pune, Oct 2011
10. Internet of Things: Future Internet Ahead, FDP VPCOE Baramati 2012.
11. Internet of Things: An Agricultural perspective, TCOER, Pune, 2013.
12. Internet of Things: Teaching Learning Process approach, DYP SOE, Lohgaon Pune 2014.
13. Technical contents writing, FDP VPCOE Baramati 2015.
14. Research Scopes in Computer Engineering, TCOER, Pune, 2015.
15. Internet of Things: Future Internet Ahead, DHCOE, Karad Nov. 2016.
16. Internet of Things: Application Development for Society, Govt. College of Engg, Karad Dec. 2016
17. Industrial Internet of Things, KBP College of Engineering, Satara Dec 2016.
18. ICT in Medicine, Krishna Institute of Medical Science, Karad, Sept. 2017
19. Internet of Things: Future Internet Ahead, ADCET, Ashta, Sangli Nov. 2017
20. Internet of Medical Things: IoT in Healthcare system, Krishna Institute of Medical Science, Karad, Oct. 2018.
21. Internet of Things: Research scopes and Challenges, ADCET, Ashta, Sangli Nov. 2018
22. Internet of Medical Things: ICT in medicine, Krishna Institute of Medical Science, Karad, Apr. 2019.
23. Data Science Process, Faculty Development Program at IT Department, Govt College of Engineering, Karad, Nov 2019

24. Application scopes in Data Science, Faculty Development Program at IT Department, Govt College of Engineering, Karad, Nov 2019
25. Cyber Security and preventive measures, Faculty Development Program for supporting staff at IT Department, Govt College of Engineering, Karad, Nov 2019
26. How to select challenging projects at PG dissertation for PG graduates at Govt College of Engineering, Karad, Nov 2019
27. Scientific writing an art for UG graduates at Govt College of Engineering, Karad, Nov 2019
28. AICTE - ISTE approved One Week Short Term Training Program (STTP) in association with RAIT-ACM on **“Blockchain and its Application”** from 9th – 14th December 2019
29. Schematic Process for Paper writing at Bhagubai Mafatlal Polutechnique, Vile Parle, Mumbai, May 2020
30. Projects in Machine Learning and career scopes at 15 days National level Seminar series on Projects idea to Implimentations at Shahu College of Engineering, Pune June 2020

INTERNATIONAL EVENTS ORGANIZED (Program Chair):

- **International Meeting on Global Indian Standardization Forum India** at KJ College of Engineering, Pune 12-15 April 2013 (23 International Guest Speakers from 10 different countries)
- **International Meeting on Wireless World Research Forum** at KJ College of Engineering, Pune 12-15 April 2013. (23 International Guest Speakers from 10 different countries)
- **International Conference on Advanced Communication and Networking** at KJ College of Engineering, Pune 12-15 April 2013. (15 International Guest speakers from 07 different countries)
- **International Seminar on Intellegent Computing**, at Govt College of Engineering, Karad, Feb 2018, **Funded by AICTE Rs 3,00,000/- (4 International Guest Speakers from 2 countries)**
- **International Conference on Machine Intellegence and Smart Computing** , at Govt College of Engineering, Karad, May 2020, **Funded by AICTE Rs 5,00,000/- (4 International Guest Speakers from 2 countries)**

AICTE/ UNIVERSITY Funded Projects

1. **AICTE-MODROBS** Project Completed Modernization of Computer Network Laboratory 2017-2019
2. **AICTE-MODROBS** Project Complted Modernization of AI & Machine Learning Laboratory 2019-2020
3. **BCUD Research Grant** Research Project on Distributed Image processing, University of Pune (2006-2008).

UNIVERSITY RELATED ACADEMIC ACTIVITIES:

1. **Chairman, Board of Studies** (Information Technology) at **Govt. College of Engineering, Karad** (*An Autonomous Institute of Govt. of Maharashtra*)
2. **Member Board of Studies** (Computer Engineering), **Savitribai Phule Pune University**.
Past appointments by Pune University 2010 to 2015.
3. **Member Board of Studies** (School of Computer Engineering & IT), MIT Academy of Engineering, Pune **Savitribai Phule Pune University**.
4. **Member Board of Studies** (Computer Engineering & IT), ADCT College of Engineering, Ashta **Shivaji University, Kolhapur**.

Contribution for Board of Studies outside Institute / University:

1. **Member Board of Studies** (School of Computer Engineering & IT), MIT Academy of Engineering, Pune **Savitribai Phule Pune University**.
 - Syllabus revision of BTech CSE & MTech IT/CSE at MIT Academy of Engineering Pune Feb 2018
 - Syllabus revision of BTech CSE/IT & MTech IT/CSE at MIT Academy of Engineering Pune May 2020
2. **Member Board of Studies** (Computer Engineering & IT), ADCT College of Engineering, Ashta **Shivaji University, Kolhapur**.
 - Syllabus revision of BTech & MTech IT/CSE at ADCT College of Engineering Ashta, Sangli Oct 2019
 - Syllabus revision of BTech & MTech IT/CSE at ADCT College of Engineering Ashta, Sangli Oct 2019
3. **Member, Local Inquiry Committee (LIC)** appointed by University of Pune, Shivaji University
4. **VC Nominee (Subject expert)/ Member for University Selection Committee** appointed by University of Pune
5. **Subject Chairman** SE, BE & ME for Theory & Term Works/Oral Exams
6. **Paper setter** for various Theory subject at SE, TE, BE & ME Exams, PhD Entrance
7. **Examiners** for Practical/TW/Oral Exams of SE, TE, BE & ME Exams, PhD thesis

ACADEMIC CONTRIBUTIONS (SYLLABUS MEETINGS):

- ❖ BE (Computer Engineering) at PICT, Pune Feb-2001.
- ❖ SE (Computer Engineering) at DYPCoE, Pune, March 2004
- ❖ BE (Computer Engineering) at SRES' CoE, Kopargaon. Sept. 2005
- ❖ SE (Computer Engineering) at SIT CoE, Pune, 7th August 2006
- ❖ BE (Computer Engineering) at RSCO CoE, Pune, 8th Feb. 2007

- ❖ ME (Computer Engineering) at PICT, Pune April-2008.
- ❖ TE/BE (Computer Engineering) at PICT, Pune Nov-2009.
- ❖ ME (Computer & Network Engineering) at SKNCOE, Pune April 2013
- ❖ ME (Computer & Network Engineering) at PICT, Pune April 2014
- ❖ ME (Computer & Network Engineering) at KJCOEMR, Pune April 2015
- ❖ ME (Computer Network Engineering) at PCCOE, Pune April 2016.
- ❖ BTech & MTech IT/CSE at Govt College of Engineering Karad May 2017
- ❖ BTech & MTech IT/CSE at ADCT College of Engineering Ashta, Sangli 2018
- ❖ BTech & MTech IT/CSE at Govt College of Engineering Karad Feb 2019
- ❖ BTech & MTech IT/CSE at MIT Academy of Engineering Pune 2019
- ❖ BTech & MTech IT/CSE at Govt College of Engineering Karad Feb 2019
- ❖ BTech & MTech IT/CSE at MIT Academy of Engineering Pune May 2020

ACADEMIC CONTRIBUTIONS in (Shivaji University):

- ❖ Chairman, Board of Studies, Information Technology, at Govt. College of Engineering, Karad
- ❖ Chairman, Industry Expert Board, Information Technology, at Govt. College of Engineering, Karad
- ❖ Member, Board of Studies, Computer Engineering, at Govt. College of Engineering, Aurangabad.
- ❖ Member, Board of Studies, Computer Engineering, at A D College of Engg & Tech, Ashta, Sangli.
- ❖ Member, Board of Studies, School of Computer Engineering & IT, MIT Alandi, Pune

ACADEMIC AUDITOR

1. **Member, K. J. Somaiya College of Engineering, Mumbai-77** (Autonomous College Affiliated to University of Mumbai) **Academic Audit (2017-18)**
2. **Member, K. J. Somaiya College of Engineering, Mumbai-77** (Autonomous College Affiliated to University of Mumbai) **Academic Audit (2018-19)**
3. **Member, Government College of Engineering, Aurangabad** (Autonomous College Affiliated to Dr. babasaheb Ambedkar Marathwada University Aurangabad) **Academic Audit (2018-19)**

INTERNATIONAL RESEARCH CONTRIBUTIONS

TECHNICAL PROGRAM COMMITTEE MEMBER

ICBASE2020, Bangkok Thailand, 2020, IC-ICN 2020, Mumbai India 2020, ICAESM-2020, Nagpur India 2020, CISCE2020, Kuala Lumpur, Malaysia 3-5,2020, CISCE2019,

Haikou,China,2019, ICACCI 2018, Banglore India, CISCE2019, Beihai, China, ICCEAE 2018 Jinan, China, ICCNEE 2018, Shenyang, China, ICORIET-2018, Pune India, ICMMCT 2018, Jinan, China, INFSSSE 2017, Ottawa, Canada, ICEIE,2017 Weihai, China, HSMET 2017, Zhuhai, China, IEMETC 2017 Taiyuan, China. ICMEE2017, Weihai, China, ICDMAI, Pune India 2017, ISET, Pune India 2016, ICWET 2015Toronto, **Canada** June 17 - 18, 2015, SoCPaR 2014, Tunis TunisiaICME 2014, Chennai India 2014, MEMTIE 2014, Vancouver, **Canada** 2014, ICACCI 2013, Mysore India, IMPSMC 2013, Mainland, China, 2013, TAECE 2014, Taiyuan, China, 2014, NetComCS 2013, Beijing, China 2013 ICARA 2013, ZhengZhou, China 2013 ICMSCM 2013, Xi'an, China. July 27 - 28, 2013, ISCIT 2013, Chengdu china 2013, MEIEI 2013, Chongqing, China, CSETA 2013, Chongqing, China, ICCSEE 2013, 2013Hangzhou, China, CITCS 2012 China, ICEEN 2012 Chengdu, China, ICENC 2012, Kunming, China, ICCDE 2011 Kuala Lumpur, Malaysia, ICMERA 2011 Sydney, Australia, ICMENS 2011 Kuala Lumpur, Malaysia, ICSII 2011 Puerto Rico, **USA** ICTTA 2011 Sydney, **Australia**, ICAPM 2011 Chennai, India, ICEIE 2010 Kyoto, Japan, ICSTE 2010 Puerto Rico, **USA**, ICCMS 2011 Mumbai, India, ICEIE 2010 Kyoto, Japan, ICMEE 2010 Tokyo, **Japan** DSDE 2010 Bangalore, India, ICSEM 2010 Bangkok, Thailand, ICIII 2010 Bangkok, Thailand. iCCNT 2009 Chennai, India, ICSTE 2009 Chennai, India, ICMEE 2009 Chennai, India AsiaCNS 2008 Langkawi, **Malaysia**

INTERNATIONAL UNIVERSITY VISITS:

1. Denmark (Aalborg University, Aalborg & Copenhagen)
2. Sweden (Gothenburg University, Gothenburg)
3. Germany (Hamburg University, Hamburg)
4. Norway (University of Oslo)
5. France (University of London Institute in Paris)
6. China (Shanghai Technology Innovation Center Shanghai, delegation visit)
7. Thailand (Kasetsart University, Bangkok)
8. Mauritius (University of Technology, Port Louis)

OTHER COUNTRIES VISITED:

9. United Kingdom (London)
10. Italy (Rome, Venice, Vatican City, Tuscany)
11. Belgium (Brussels)
12. Austria (Innsbruck, Swarovski, Egerkingen)
13. Switzerland (Zurich, Lausanne, Leysin, Arezzo, Glac3000)
14. Liechtenstein (Vaduz)

(Dr. S. J.Wagh)