

# CURRICULUM VITAE

**Dr. Amar Ramesh Buchade**

**AICTE Faculty ID : 1-466191847**

Senior Member, IEEE

Assistant Professor,

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## **Career Objective:**

With essential ability of continuous learning and thinking, I would like to contribute my knowledge, experience and skill to achieve organizational and personal excellence by undertaking challenging tasks in education and research.

## **Educational Qualification:**

<b>Sr. No.</b>	<b>Qualification</b>	<b>Year of passing</b>	<b>Institute</b>	<b>University / Board</b>	<b>Class</b>
1.	Ph.D	Thesis submitted in July, 2017 March 2018	Government College of Engineering, Pune Savitribai Phule Pune University	SPPU	Awarded
2	M.E CSE	Apr 2005	WCE Sangli Shivaji University	Shivaji	First Class

3.	B. E. CSE	June 2002	WCE Sangli Shivaji Univesity	Shivaji	Higher 2 <sup>nd</sup>
4.	H.S.C.	June 1998	LKVP, Palus	Kolhapur	Distinction
5.	S. S. C.	March 1996	LKVP, Palus	Kolhapur	Distinction

### TEACHING EXPERIENCE:

No.	Institute	Duration	Department	Post held	Experience
1	PICT Pune	10/07/2006 to till date	Computer	Assistant Professor	14 years 6 months
2	Manohar Phalke Polytechnic, Sion	1/08/2005 to 08/07/2006	Computer	Lecturer	11 months
3.	WCE Sangli	7/7/2003 to 30/12/2004	Computer	Lecturer On C.H.B	1.6 year

### Membership of Scientific and Professional Societies:

- IEEE Member (No. 93375790)
- Counselor, PICT IEEE Student Branch
- Secretary, IEEE Pune Section (2019, 2020)
- Treasurer, IEEE Pune Section 2021
- Chair, IEEE Pune Section SIGHT Group
- Head, Special Interest Group on Healthcare
- Member, IEEE Computer Society
- Member, IEEE SIGHT
- Member, IEEE Young Professionals
- Member, IEEE Big Data Community
- Member, IEEE Cloud Computing Community
- Member, IEEE Internet of Things Community
- Member, IEEE Software Defined Networking Community
- Life Member of Indian Society for Technical Education (ISTE) (LM-48896)
- Member, IAENG (Member No: 175036)

**Ph. D. Thesis Title:****Algorithms and Techniques for key management in cloud computing****Guide : Dr. Rajesh Ingle****No. of M. E Students Guided: 25**

<b>Sr. No.</b>	<b>Student Name</b>	<b>Thesis Title/Area</b>
<b>1</b>	Akash Mahagaonkar	Http based dos attack detection using deep learning approach
<b>2</b>	Alhat Bhagyashree R.	Secure Cloud storage with efficient data recovery mechanism
<b>3</b>	Ankita Rathor	Elastic resource provisioning for applications in cloud environment
<b>4</b>	Dipti Bansode	Secured data deduplication system with application awareness over cloud storage
<b>5</b>	Poonam Patel	Privacy preserving with self-destruction data approach.
<b>6</b>	Hitendra Patil	Real Time Video Collaboration Framework WEBRTC
<b>7</b>	Kaushik Shete	Time Series Segmentation Using Reduction Approach
<b>8</b>	Monika Astonkar	Semantics out of mobile analytics
<b>9</b>	Payal H.Bhagat	Leakage-Resilient KASE for Group Data Sharing with Auxiliary Input via Cloud Storage
<b>10</b>	Pramila Kharat	User Data Ownership Privacy In Cloud Computing
<b>11</b>	Kamble Preeti Kailas	Traffic Analysis in Cloud Data Centers by Dividing Response Time
<b>12</b>	Priyanka kadu	An adaptive smart health predicting system with iot and machine learning
<b>13</b>	Shinde Ramji Narsingrao	Cluster based data leakage detection
<b>14</b>	Ranjeet Vasant Bidwe	TCP-P: A New Approach in Wireless Environment to Solve Issues Currently TCP Facing
<b>15</b>	Rohan Chowdhury	Behavior analysis of visualized image data using deep learning approach
<b>16</b>	Snehal Ghodake	Framework for Java and C++ Interprocess

		communication and management
17	Sumeet S. Vernekar	Map Reduce based Log file analysis for System threats and Problem Identification
18	Suraj Gaikwad	Securing Data Using Homomorphic Encryption In Cloud Computing
19	Ashwini Jewalikar	Algorithm for Enhancing CERL in Mixed Wired/Wireless Environment Using Adaptive Retransmission Technique
20	Madhuri Kashte	(k,n) secret sharing based data security in cloud computing
21	Savani Nirav, GTU	Priority based resource allocation in cloud computing
22	Harsh Modi, GTU	Web spam detection based on content and link features
23	Rahul Nandgave	Predictive maintenance of storage systems
24	Mohak Chavan	Eye Disease Detection using Machine Learning
25	Bhagayashree Sangewar	Monitoring and Detecting Security Threats in Industrial Automation and Control System
26	Vaishnavi Mahajan	Smart Insights in Digital Planning

### Subjects taught :

<b>At undergraduate Level</b>	
Theory of Computation	System Programming
Operating System	Operating Systems Administration
Data Communication	Computer Network
Distributed System	Distributed Operating System
Cloud Computing	Embedded System and Internet of things
Digital Electronics and Logic Design	Software testing and quality analysis
<b>At postgraduate level</b>	
Cloud Computing	Network Security
Research methodology	Cloud Security

## Research Publications:

1. Rahul Nandgave, Amar Buchade, "Predictive Maintenance Of Storage Devices Using Deep Learning Techniques", International Journal of Advanced Science and Technology, Volume 29, No. 4, Page No 10888 – 10897, NOV 2020 (Scopus indexed, UGC care list)
2. Mohak Chavan, Amar Buchade, " Survey on Microaneurysms Detection based on various Image Processing and Machine Learning techniques", International Journal of Advanced Science and Technology, Volume 29, No. 4 (Scopus indexed, UGC Care list journal) [October 2020]
3. Bhagyashree Sangewar, Amar Buchade, "Monitoring and Detecting Security Attacks in Industrial Automation and Control System" International Journal of Advanced Science and Technology, Volume 9, Issue No. 3, pp. 14294-14302 ISSN: 2005-4238
4. Mohak Chavan, Amar Buchade, " Detecting Microaneurysms with the Help of Neural Networks", GIS Science Journal Volume 7, Issue 8, August 2020 ISSN No. 1869-9391
5. Bhagyashree Sangewar, Amar Buchade, " Survey On Analysis Of Security Threats In DNP3 Protocol" International Journal of Scientific & Technology Research Volume 9 - Issue 6, June 2020 Edition - ISSN 2277-8616 (Scopus indexed journal)
6. Rahul Nandgave, Amar Buchade, "Predicting Reliability of Storage Systems", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-8, June 2020 (Scopus indexed journal).
7. Kaushik Shete, Amar Buchade, " Time Series Segmentation Using Two-Stage Clustering Approach", International Journal of Scientific & Technology Research, VOLUME 8, ISSUE 09, SEPTEMBER 2019 ISSN 2277-8616 (impact factor:3.023) (**Scopus**)
8. Priyanka Kadu, Amar Buchade, " Non Communicable Disease Prediction System Using Machine Learning", International Journal of Scientific & Technology Research, VOLUME 8, ISSUE 09, SEPTEMBER 2019 ISSN 2277-8616 (impact factor:3.023) (**Scopus**)
9. Amar Buchade, Rajesh Ingle, "Security and Privacy of data in cloud computing", International Journal of Recent Technology and Engineering ( IJRTE), Volume 8, Issue 2, July, 2019 (Impact factor 5.92 ISSN 2277-3878) (**Scopus**)
10. Priyanka Kadu, Dr. Amar Buchade, " "An Analytical Study on health prediction system using machine learning " , International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 5, page no.147-150, May-2019 (**UGC approved**)
11. A.B. Mahagaonkar, A.R. Buchade, " Application Layer Denial of Service Attack Detection using Deep Learning Approach", International Journal of Computer Sciences and Engineering , Vol.-7, March 2019, E-ISSN: 2347-2693 (**UGC Approved**)
12. Kaushik Shete, Amar Buchade, " A Survey on Time Series Segmentation", International Journal of Emerging Technologies and Innovative Research, Vol.6, Issue 6, page no.983-989, June-2019, ISSN:2349-5162 (citescore: 5.87) (**UGC Approved**)

13. C Rohan, A Buchade,” Behavior Analysis of Visualization Images Using Deep Learning Approach”, 2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA), April 2019, E-ISBN 978-1-5386-5257-2 (**Scopus**)
14. Amar Buchade, Rajesh Ingle, “Secure mechanisms for key shares in cloud computing”, International Journal of Rough Sets and Data Analysis Special Issue: Intelligent Informatics and Computing for Security Volume: 5, Issue:3, July 2018 RG impact factor=0.79 ISSN 2334-4598 (**DBLP**) [**UGC Approved**]
15. Amar Buchade, Rajesh Ingle Ternary tree based approach for accessing the resources by overlapping members in cloud computing, International Journal of Electrical and Computer Engineering (IJECE) 7 (2017), no. 6, 3593–3601 ISSN 2088-8708 citescore 1.22 (**Scopus**) [**UGC Approved**]
16. Payal Bhagat, Amar Buchade,” A Survey on Leakage-Resilient KASE for Group Data Sharing with Auxiliary Input via Cloud Storage”,, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 6, Issue 4, April 2017 (SJIF:5.947) ISSN : 2278-1021
17. Snehal Ghodke, Amar Buchade,” Survey on Interprocess Communication and Management”, International Journal of Innovative Research in Computer and Communication Engineering Vol. 5, Issue 2, February 2017 SJIF:7.186 2320-9801
18. Amar Buchade, Rajesh Ingle, Analysis of algorithms for overlapping resource access members in cloud computing, International Journal of Network Security Volume no. 18, no. 5, 978–986, 2016, ISSN1816-353X (**Scopus**)
19. Amar Buchade, Rajesh Ingle, “Key trees combining algorithm for overlapping resource access members”, International Journal of Network Security 18 (2016), no. 5 ISSN1816-353X (Scopus)
20. Amar Buchade, Rajesh Ingle, “Performance analysis of key splitting algorithms for cloud computing, Computing, Analytics and Security Trends (CAST), International Conference on, IEEE, 2016, pp. 562–566. ISBN: 978-1-5090-1338-8
21. Suraj Sheshrao Gaikwad and Amar R Buchade, “Homomorphic encryption approach for cloud data security”, International Research Journal of Engineering and Technology (IRJET), Volume: 03 Issue: 09 , 2016
22. Suraj S. Gaikwad , **Amar R. Buchade**, “Survey on Securing data using Homomorphic Encryption in Cloud Computing”, International Journal of Computer Sciences and Engineering, Volume-4 , Issue-1 , Page no. 17-21, Jan-2016 (UGC approved)
23. Bhagyashree Alhat and Amar Buchade, Secure cloud storage with efficient data recovery mechanism, International journal of Multidispl. Research and Advances in Engg 7 (2015), no. 1.
24. Monika Astonkar and Amar Buchade, Exploring mobile analytics for business intelligence, International Journal of Computer Science and Mobile Computing 3 (2014), no. 12, 603.

25. Monika R Astonkar and Amar Buchade, Load balancing and resource allocation technique in cloud computing for data encryption or decryption using ad-hoc network, *International Journal of Research* 2 (2015), no. 5, 1071–1076.
26. Monika Rajendra Astonkar and Amar Buchade, “Exploring cloud based load balancing model for data encryption in ad-hoc network”, *Proceedings of the 2015 Fifth International Conference on Advanced Computing & Communication Technologies*, IEEE Computer Society, 2015, pp. 485–489. (**Scopus**)
27. Dipti Bansode and A. Buchade, Study on secure data deduplication system with application awareness over cloud storage systems, *International Journal of Advance Computational Engineering and Networking* 3 (2015), no. 1, 5458.
28. Dipti Balasaheb Bansode and Amar Buchade, Secure data deduplication at client side and in cloud storage with application aware system, *Networking and Communication Engineering* 7 (2015), no. 8, 317–320.
29. Pramila Kharat, Amar Buchade,” Survey on Privacy Preserving and Data Security Techniques”, *International Journal of Science and Research (IJSR)* Volume 4 Issue 7, July 2015 ISSN: 2319-7064 (Impact Factor: 4.438)
30. Monika Rajendra Astonkar and Amar Buchade, Rolopanel: Tracking game behaviour through mobile analytics, *International Journal of Hand- held Computing Research (IJHCR)* 5 (2014), no. 4, 48–59. (**DBLP**)
31. Amar Buchade and Rajesh Ingle, Key management for cloud data storage: Methods and comparisons, *Advanced Computing & Communication Technologies (ACCT)*, 2014 Fourth International Conference on, IEEE, 2014, pp. 263–270 (**Scopus**)
32. Ranjeet V Bidwe and Amar R Buchade, Tcp-p: A new approach in wireless environment to solve issues currently tcp facing, *Second International Conference on Computational Intelligence and Information Technology–CIIT*, 2012. (**Elsevier**)
33. Ranjeet Vasant Bidwe and Amar Buchade, Improving performance of tcp in wireless environment using tcp-p, *International Journal on Communication* 4 (2013), no. 1, 48.
34. Vitthal Jadhav and Amar Buchade, Modified quine-mccluskey method, *arXiv preprint arXiv:1203.2289* (2012).
35. Ashwini A Jewalikar and Amar R Buchade, Implementing acerl tcp in wireless environment using adaptive retransmission, *Networking and Communication Engineering* 4 (2012), no. 8, 471–474.
36. Preeti Kamble and Amar Buchade, , An approach of analysis of data centers in cloud by dividing the response time, *International Journal of Science and Research* 3 (2014), no.
37. P Kharat and A Buchade, Privacy preserving and data security using anonymous cloud and rsa, *Networking and Communication Engineering* 7 (2015), no. 8, 331–334.
38. Amar Buchade and D.B.Kulkarni , "WAP Management with user defined content reduction", in *international workshop on "wireless and industrial automation"*, arranged by 11th IEEE Real Time and Embedded Technology and Application Symposium.", 2009

39. Savni Nirav and Amar Buchade, Priority based resource allocation in cloud computing, IJERT 3 (2014), no. 5 ISSN 2278-0181
40. Poonam Patel and Amar Buchade, Survey on achieve privacy preserving using multi-key approach in cloud environment, International Journal of Innovative Research in Information Security 1 (2014), no. 5.
41. Poonam Patel and Amar Buchade, , Group policy based self-destruction data system, Networking and Communication Engineering 7 (2015), no. 7, 293–297.
42. Ankita A Rathor and Amar Buchade, An approach for scaling resources for applications in cloud, Networking and Communication Engineering 7 (2015), no. 8, 326–330.
43. Ankita Anoop Rathor and Amar Buchade, Elastic resource provisioning for applications in cloud computing, International Journal of Computer Science & Communication Networks 4 (2014), no. 6, 190–192.
44. Ramji Shinde and Buchade Amar, Data leakage detection using fake objects for suspected users, International Journal of Computer Science & Communication Networks 4 (2015), no. 6.
45. Bhagashree Alhat, Amar Buchade, “Revisiting secure cloud storage by replacing token generation with SHA”, International Journal of Advance Foundation and Rsearch in Science and Engineering, Volume 1, Issue 12, ISSN: 2349-48 (Impact factor-1.036)
46. Ramji Shinde and Amar Buchade, Cluster based data distribution techniques for leakage detection.
47. AJ Umbarkar, AP Joshi, AA Jadhav, and AR Buchade, Wave steganog- raphy approach by modified lsb, Emerging Trends in Engineering and Technology (ICETET), 2009 2nd International Conference on, IEEE, 2009, pp. 862–865.
48. Sumeet S Vernekar and Amar Buchade, Mapreduce based log file analysisfor system threats and problem identification, Advance Computing Conference (IACC), 2013 IEEE 3rd International, IEEE, 2013, pp. 831–835.
49. Sumeet S Vernekar, Amar Buchade, Sumeet S Vernekar, and Amar Buchade, Threat analysis and identification using mapreduce Hadoop platform, International Journal 190–197.
50. Amar Buchade and Suhas Sapate , "Mobile agents for information retrieval and knowledge discovery from distributed data sources", in national conference on "COMMUNICATION & COMPUTATIONAL TECHNIQUES: current and Future trends" organized by DIT,Dehradun In association with TEQIP, World Bank from 5-7 Feb, 2005
51. Suhas Sapate and Amar Buchade , "Steganography: Hiding data within image", national conference on "COMMUNICATION & COMPUTATIONAL TECHNIQUES: current and Future trends" organized by DIT,Dehradun In association with TEQIP, World Bank from 5-7 Feb, 2005

## Conference Activity/ Participation:

Sr. No.	Name of Conference	Responsibility
1	Parul University International Conference on Engineering and Technology: SMART ENGINEERING 2020	Reviewer
2	Autonomic Computing in Cloud Resource Management in Industry 4.0 (EAI/Springer Innovations in Communication and Computing)	Reviewer
3	IEEE PuneCon 2021	Publication Chair
4	IEEE International conference on Computing, Communication and Green Engineering -2021 (CCGE21)	General Chair
5	IEEE PuneCon 2020	Publication Chair
6	International conference on emerging smart computing and informatics 2021 by Aissms IoIT, Technically sponsored by IEEE	General Chair, Advisory committee,
7	International conference on emerging smart computing and informatics 2020 by Aissms IoIT, Technically sponsored by IEEE	Advisory committee, Technical Program Committee
8	Research Symposium on computing 2019	Program Committee
9	5th International Conference on Computational Intelligence and Communication Technology	Program Committee
10	2019 IEEE Pune Section International Conference by IEEE Pune Section and WPU's MIT	Steering committee
11	Machine Learning , Data Science and IoT 2019 (MLDI) by Department of Computer Engineering, PICT Pune	Technical Program Committee
12	5th International Conference on Computational Intelligence and Communication Technology (CICT 2019)	Technical Program Committee
13	RSC 2018 (Third National Research symposium on computing)	Program Committee
14	Second International Conference on Smart Innovations in Communications and Computational Sciences(ICSICCS-2018, ICSICCS-2017)	Program Committee
15	Ambient Advancements in Intelligent Computational Sciences A2ICS-2017	Program Committee
16	International Conference on Recent Advancements in Computer, Communication and Computational Sciences RACCCS-2017, ICRACCCS-2016	Program Committee
17	2017 3rd International Conference on Next Generation Computing Technologies NGCT 2017	Program committee
18	International conference on emerging trends and innovation in technology ICEI 2017	Finance chair, Program committee
19	International Conference on Internet of Things for Technological Development (IoT4TD-2017)	Program Committee
20	International Conference on Computer, Communication and	Program Committee

	Computational Sciences IC4S 2016	
21	Annual IEEE India Conference (INDICON),2014	Organizing committee member, program committee
22	International Conference on Advances in Cloud Computing	Program Committee
23	5th International Conference on Computer and Communication Technology ICCCT-2014	Program Committee
24	2009 IEEE International Conference on Vehicular Electronics and Safety (ICVES)	Organizing committee member
25	IEEE International conference on electrical and hybrid vehicle 2006	Organizing committee member

### **Expert Service To Profession:**

Worked as reviewer for following international journals/conferences:

1. IEEE Transactions on Parallel and Distributed Computing,
2. International Journal of Network Security
3. Post Graduate Conference for Computer Engineering (cPGCON2019)
4. IEEE Punecon 2018 (IEEE Pune Section Conference 2018)
5. A2ICS-2017 (Ambient Advancements in Intelligent Computational Sciences)
6. CAST-2016 (IEEE International Conference on Computing, Analytics and Security Trends)
7. ICIC 2015 (International Conference on Industrial Instrumentation and Control 2015)
8. CUBE 2013 (International Conference on Cloud, Ubiquitous Computing & Emerging Technologies)
9. Fifth Post Graduate Conference of Computer Engineering 2016(cPGCON2016)
10. Second, Third, Fourth and 5<sup>th</sup> International Conference on Computing, Communication, Control & Automation Organized By Pimpri Chinchwad College of Engineering & Technically Sponsored by IEEE Pune Section.
11. International Conference on Innovative Trends and Advances in Engineering and Technology (ICITAET-2019)

## **Honors / awards/ achievements**

1. PICT IEEE Student Branch received Darrel Chong Student Activity Award 2020 from IEEE.
2. Acted as a proctor in the IEEEExtreme 14.0 programming 24 hour competition conducted by IEEE Xtreme on 24th October, 2020
3. Acted as advisory, technical program committee member, reviewer for conferences supported by IEEE.
4. Acted as a proctor in the IEEEExtreme 13.0 programming 24 hour competition conducted by IEEE Xtreme on 19th October, 2019.
5. PICT IEEE Student Branch received IEEE Pune Section Student Branch of the year 2019 during the AGM held on 10<sup>th</sup> January, 2020.
6. Appreciation for sincere and quality delivering of teaching towards subject “Cloud computing” for the academic year 2015-16 by department of Computer Engineering.
7. Appreciation for contributing as a judge in Socio-hackathon extreme coding competition organized by impetus and concepts INC’16 at PICT during 18<sup>th</sup> to 19<sup>th</sup> March for 24 hours.
8. National Merit Scholarship.
9. Designated as Head of department of information technology subject in the board of studies of computer engineering, under faculty of engineering, savitribai phule pune university as per office order dated 15/06/2015.
10. Awarded Mission10X certificate in Teaching and Learning by Wipro MISSION10X on 29 December, 2008.
11. Successfully completed the Mission 10X learning approach practitioners certificate in recognition of the efforts in planning, preparing and implementing MxLA in the classroom and for attending the supporting advanced workshop held on 6<sup>th</sup> and 7<sup>th</sup> August, 2008

## **Certifications**

1. Completed program requirements as an IBM Certified Database Associate DB2 Universal Database V8.1 Family
2. NPTEL certifications (AICTE approved FDPs) completed conducted under IITs
  1. Cloud computing
  2. Cryptography and network security
  3. Blockchain design and use cases
  4. Intellectual property rights
  5. Patent drafting for beginners
  6. Introduction to internet of things
  7. Switching circuits and logic design
  8. Industry 4.0 and Industrial IoT
3. Dr. Amar Ramesh Buchade completed "Blockchain Basics" an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera

4. Dr. Amar Ramesh Buchade completed on Introduction to Data Science in Python an online non-credit course authorized by University of Michigan and offered through Coursera
5. Dr. Amar Ramesh Buchade completed on Neural networks and Deep learning an online non-credit course authorized by deeplearning.ai
6. Dr. Amar Buchade completed Smart Contracts course authorized by University at Buffalo
7. Dr. Amar Buchade completed The Bits and Bytes of Computer Networking authorized by Google
8. Dr. Amar Buchade completed Fundamentals of Network Communication an online non-credit course authorized by University of Colorado System and offered through Coursera
  
12. Dr. Amar Buchade completed Decentralized Applications (Dapps) an online non-credit course authorized by University at Buffalo, The State University of New York and offered through Coursera
  
13. IEEE Certificates -
  1. Completed code of conduct certificate on 01/07/2020
  2. Completed anti-bribery and corruption on 01/07/2020
  3. Completed certificate on Project assessment, monitoring and evaluation on 13 September, 2020

### **Invited Talks**

1. Presented the activity details of IEEE Pune Section during AGM on 10<sup>th</sup> January, 2020.
2. Participated as a presenter for the IEEE webinar on “Highlights and best practices” at IEEE Pune Section on 1 Nov, 2019.
3. Invitation talk on “Opportunities for IEEE students at IEEE Pune Section” at Student branch chairs and counselors meet on 24<sup>th</sup> July, 2019.
4. Keynote speaker for the national level workshop on AWS certification organized by Bharati Vidyapeeth Women’s CoE on 6 June, 2019
5. Session Chair for cPGCon 2019 organized by DY Patil Pimpri Institute on 3 April, 2019
6. Resource person for the FDP on “Cloud Computing” organized in association with BoS, Computer Engineering by DYP Pimpri on 2<sup>nd</sup> January, 2019
7. Session chair for the IEEE PuneCon 2018 conferences conducted between 30 Nov-2 Dec, 2018
8. Invited for workshop of “Draft content detailing of Cloud Security” for Information Technology Branch on 5<sup>th</sup> October, 2018 at MSBTE, Pune
9. Workshop on “how to prepare the report” for ME first year students on 13 April, 2018.
10. M.Tech. Project evaluations at Symboisis Institute of Technology, Symboisis international university on 30 May, 2018 and Walchand College of Engineering, Sangli on 24 June, 2019.
11. Resource person for national at Keystone COE, Anantrao Pawar COE
12. Resource person for the FDP on “Data communication and Wireless Sensor Network” organized by Computer Engineering Department, PCCoE and BoS Computer Engineering, University of Pune on 5<sup>th</sup> July, 2014.

13. Invited talk on “Recent research trends in Big data and cloud computing’ at IES Group of Institutions as a part of national level seminar on 6<sup>th</sup> August, 2014.

### **Research Projects Submitted/Completed/Ongoing**

1. Consultancy project of RTO pimpri chinchwad on “Automated Braking Test For Vehicle Licenses”
2. Industry sponsored project “Design and development of AI/ML based intrusion detection” in association with BIGODATA LLC (USA)/ContinuousEncryption.com
3. Mentor for IEEE HAC Project conducted at Affordable Agriculture Technology Lab

### **Administrative Responsibilities Held**

- Coordinator for graduation ceremony at PICT held on 08/02/2020.
- Secretary, IEEE Pune Section 2020.
- Secretary, IEEE Pune Section 2019. During this period, IEEE Pune section received "Region 10 Outstanding Medium Section Award in recognition and appreciation of value services and contributions", "Region 10 Best Membership Growth Medium Section award, "Region 10 Humanitarian Technology Activities Outstanding Section Award: IEEE Pune Section in recognition and appreciation of value services and contributions". The membership increased from numbers 1239 to 1737 upto 1 November 2019. IEEE Pune Section also received funds of USD 30000 and USD 50000 for alleviation of poverty of farmer’s project.
- Worked in the PICT consultancy team in the academic year 2018-19.
- Working as PG Coordinator at PICT since June 2016.
- Handled PG GATE student’s scholarship documents verification at Institute level.