CURRICULUM VITAE

Name of staff   Dr. Archana Ramkisanrao Panhalkar

Qualification   Ph.D. (Computer Science and Engineering)

Designation   Assistant Professor

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Date of Birth: 10th Aug, 1981

Martial Status: Married

EDUCATIONAL QUALIFICATIONS:

S. No	Standard/ Class	Name of the Institution	Board/ University	Qualifying Year/ Session	Marks %	Remarks
1	Ph.D.	SGGSIE&T, Nanded	S.R.T.M.U. Nanded	29th June 2021	-	-
2.	M.E.	M.G.M.'s C.O.E.Nanded	S.R.T.M.U. Nanded	2008	75.32	First Class with Distinction
3.	B.E.	M.B.E.S's C.O.E.Ambaj ogai	Dr. B.A.M.U. Aurangabad	2003	71.67	First Class with Distinction
4.	H.S.C.	Balbhim Mahavidyala Beed	Aurangabad Board	1999	78.47 Aggr. With PCM 89.66	First Class with Distinction
5	S.S.C.	Shri. Shivaji VidayalaBee d	Aurangabad Board	1997	80.40	First Class with Distinction

B.E. (Seminar):   Mobile IP

M.E. (Seminar):   Seamless SIP

B.E. (Project):   Internet Voting

M.E. (Project):   Removal of Impulse Noise Using

                                   Median Filtering

Ph.D.(Research)   **Some Aspects of Decision tree**

                                   Classifier

EXPERIENCE

A. Teaching

    I.   Worked as a Lecturer in Aditya Engineering college, Beed from 1st Sep 2003 to 10th July 2004.

    II.   Worked as Lecturer in P.R.E.C. Loni from 14th July 2004 to 31st April 09.

III. Worked as a Asstt. Professor in P.R.E.C. Loni from 1st May 09 to 13th July 2012.

IV. Worked as a Asstt. Professor in Parikrama GOI, Parikrama College of Engineering, Kashti from 14th July 2012 to 6th Aug 2014.

V. Working as a Asstt. Professor in Amrutvahini College of Engineering, Sangamner from 11th Aug 2014 to till

AWARDS RECEIVED:

Received **"LADY ENGINEER AWARD"** by INSTITUTIONS of ENGINEERS(INDIA) on 15th Sept 2015.

GRANTS RECEIVED:

Received Grants for One day seminar on "Multidimensional Approach to Network Security" at University Level of Rs. 20,000 by university of Pune, Pune on 22nd Feb. 2010.

WORKSHOP/SEMINAR ATTENDED:

1) "Implementation of Multiprogramming O.S", conducted by Dr. Onkar Sharma, Merist College, New York on 3rd -17th March 2005 in P.R.E.C. Loni

2) Seminar on "Matlab Application in Engineering and Research", organized by Computer Dept, on 7th Feb 2006 , in P.R.E.C. Loni.

3) International Workshop on "Development Environments and Processes"on 11th Feb 2006 at SGGSIE &T, Nanded.

4) Workshop on "Software Testing", organized on 8th – 9th March 2008 by Computer Dept, P.R.E.C. Loni.

5) Workshop on "Object Oriented Analysis and Design using UML with Fundamentals of Rational Rose", on 13th -14th Feb 2007, conducted by IBM in P.R.E.C. Loni

6) Two day Seminar on "Method and Tools in Design of Virtual Reality Applications",on 26th-27th Dec 2009 at NDMVP, Nashik.

7) Workshop on "Engineering Research Opportunities in India and abroad",on 23rd Jan 2010 at VIIT, Pune.

8) Workshop on "In Pursuit of Excellence in Engineering Education through Innovation" name as MISSION-10X on 8-12th Feb 2010 by Wipro Technology in 2010

9) Seminar on "Multidimensional Approach to Network Security", organized on 22nd Feb. 2010 by Computer Dept, P.R.E.C. Loni

10) Workshop on "High Impact Teaching Skills" by Wipro Technology on 8th -9th Feb2010.

11) Workshop on "PHP & MY SQL", conducted in P.R.E.C. Loni on 5-6th OCT

2010

12) Workshop on "Open Source Technologies and Boss GNU/ Linux Workshop", conducted by CDAC, Mumbai on 25th march 2011 in P.R.E.C. Loni

13) Two days workshop on "Hibernate 3.2 using Eclipse IDE with My SQL 5.1" Organized by SEED Infotech-Nashik on 21st and 22nd Nov. 2011.

14) Four days' workshop on "Rational Software Architecture" Organized by IBM- pune on 14th to 17th Feb. 2012.

15) Two days workshop on " Recent advances in Intrusion Tolerance and Resilience" sponsored by UOP, Pune on 23rd and 24th Sept 2013.

16) FDP on "Software Lab-II and Project Based Seminar" Organized by SPPU, Pune at MMCOE, Pune on 16th Jan 2015.

17) Two Week ISTE STTP on" Introduction to Design of Algorithms" organizes by IIT, Kharagpur on 25th -30th May 2015.

18) One day Workshop on "The Secrets of GURU", Organized By AVCOE, Sangamner on 12th Sep 2015.

19) Two days workshop on "Preparing Research Funding Proposals"Organized By AVCOE, Sangamner on 2nd -3rd Nov 2015.

20) Two days FDP on "Problem Solving and Object Oriented Programming and Fundamentals of Data Structures" Organized by SPPU, Pune at PVG COE, Pune on 7th-8th July 2016.

21) Two days FDP on "A Novel approach to become Best Teacher" Organized by AVCOE, Sangamner on 12th-13th Dec 2016.

22) One day awareness Program on "Intellectual Property Rights" Organized by AVCOE, Sangamner on 14th Dec 2016.

23) One week FDP on "Big Data analytics" at SVIT, Lonavala during 15th-17th Dec 2016.

24) Two days State Level Workshop on "New Challenges of Data and applications" Organized by AVCOE, Sangamner on 10th-11th Feb 2017.

25) One day FDP on "Fundamentals of Programming Languages-II" Organized by SPPU, Pune at Matoshri College of Engineering,Nashik on 20th Feb 2017.

26) Two days Workshop on "Cyber Security and Ethical Hacking" Organized by AVCOE, Sangamner on 31st Oct-1st Nov 2017.

27) One week FDP on "Essentials of Neural Network and Fuzzy logic" at SGGS IE&T, Nanded during 18th-22nd Dec 2017.

28) Two days national workshop on "Robotics and Manufacturing Automation" organized by Production department, AVCOE, Sangamner during 22nd and 23rd Feb, 2019.

29) Two days workshop on" Computer Graphics and Animation", organized by IT department, AVCOE, Sangamner during 9th and 10th Aug, 2019.

30) One week online FDP "Hands on JAVA" remotely at Zeal College of Engineering and Research Pune funded by National Mission on Education through ICT, MHRD, Govt. of India during 5th to 13th April 2020

31) One week Online FDP on "Python 3.4.3" organized by RMD, Sinhgad school of Engineering, Warje, Pune in association with Spoken Tutorial Project, IIT, Bombay during 20th to 25th April 2020.

32) Three days online workshop on "Education 4.0" organized by Atharva College of Engineering, Mumbai during 28th to 30th April 2020.

33) One week online FDP on "PHP & MySQL", Organized by Spoken Tutorial Project, IIT Bombay , remotely at Computer Engineering Department, Pravara Rural Education Society's Sir Visvesvaraya Institute

Of Technology, Nashik funded by National Mission on Education through ICT, MHRD, Govt. of India during 8th to 13th May 2020.

34) Webinar on "Be the best version of you", organized by Mechanical department, AVCOE, Sangamner on 15th May 2020.

35) One week online FDP on "Innovative Teaching Pedagogy in the Technical Institutions" organized by MVP's KBT College of Engineering, Nashik during 1st June to 6th June 2020.

36) One day online FDP on "Object oriented Programming and Computer Graphics Lab SE(2019) Course" organized by Anantrao Pawar College of Engineering & Research, Parvati, Pune, in association with Board of studies (Computer Engineering), Savitribai Phule Pune University, Pune on 11th July 2020.

37) Webinar on "Start-up & Intellectual Property Awareness Program" organized by Kanadlab in association with Computer Department, AVCOE on 26th Sep 2020.

38) AICTE sponsored 6-days online STTP "Cyber security and block chain technology" organized by Sanjivani College of Engineering, Kopergaon during 11th-16th Jan 2021.

39) One day online National workshop on "Awareness about IPR and its Usage for industry" organized by Kamala Institute of Technology and Science, Huzurabad on 20th Jan 2021.

40) One day online FDP on "Information retrieval in post Covid-19 in the light of data analysis" organized by Center for climate change and water research, SGVU, Jaipur on 30th Jan 2021.

41) One Week FDP on "Data Science and Artificial Intelligence" organized by MMCOE, PUNE during 26-31/07/2021.

42) One week International STTP "Advanced applications in Artificial Intelligence and Machine Learning" organized by MMCOE, PUNE during 2-6/08/2021.

43) Three days FDP "System Programming and Operating System (Theory and Lab)" organized by SCOE, PUNE in association with SPPU, Pune during 05-07/08/2021.

44) Webinar on "Python Programming: Mathematical Perspective" organized by K.L.U, University, Hyderabad, Telngana on 05/03/2022.

45) One day FDP on "Teaching-learning Process: Scenario of New education Policy", organized by R&D cell, AVCOE Sangamner on 15/07/2022.

SHORT TERM COURSES ATTENDED:

1) Short term course on "ASP.NET", organized by Computer Dept, P.R.E.C. Loni.

2) Short term course on "PC Hardware Maintenance & Software Configuration", organized by Computer Dept, P.R.E.C. Loni.

3) NPTEL 4-weeks course on "Python for Data science" by IIT Madras during 18th Jan 2021 to 12 Feb 2021.

PAPERS PRESENTED/PUBLISHED:

1) Paper presented on "Speech Recognition using ADAG Support Vector Machine", in International conference AICHE, held at P.R.E.C. Loni.

2) Paper presented on "Removal of Impulse noise using median filtering", in International conference ICIP 09, held at Banglore.

3) Paper presented on "An Impulse denoising Technique for highly corrupted Images", in International conference ICCIA-10, held at Sandip Foundation Nashik.

4) Paper presented on "An Impulse denoising Technique using median filtering", in national conference E3C 2010, held at JD college of Engg, Nagpur.

5) State Level paper Presentation in Technical Events HORIZON-11 at PREC, Loni on 10th March 2011.

6) Published "A novel Security Scheme for Secret Data using Cryptography and Stagenography" in *International Journal of Computer Network and Information Security (IJCNIS)"* ISSN: 2074-9090 (Print), ISSN: 2074-9104 (Online) Online March 2012 in MECS (http://www.mecs-press.org/) DOI: 10.5815/ijcnis.2012.02.06, IJCNIS Vol.4, No.2, March 2012, PP.36-42.

7) Published "Enhanced Speech Recognition using SVM approach", in *International Journals of Emerging Trends & Technology in Computer Science (IJETTCS)* ISSN 2278-6856 Online Nov-Dec. 2012 in IJETTCS (http:// www.ijettcs.org), (IJETTCS) Volume 1, Issue 4, November – December 2012, PP.106-110.

8) Paper Published on "A Survey on Techniques of Energy Efficiency in Wireless Sensor Networks" in International Journal of Research in Advent Technology, Vol.3, No.6, June 2015 E-ISSN: 2321-9637 21.

9) Paper Published on "Development of Data Transmission Mechanism in WSN using Gray Code Technique" International Journal of Advanced Research in Computer Science and Software Engineering Research, Volume 5, Issue 7, July 2015 ISSN: 2277 128X

10) Paper presented on "An Outlook in Some Aspects of Hybrid Decision Tree Classification approach :a Survey" in ICDECT-2016 during 11th - 12th March 2016 at Lavasa, Pune

11) "An Outlook in Some Aspects of Hybrid Decision Tree Classification Approach: A Survey" Published on 25 August 2016 by Springer in Advances in Intelligent Systems and Computing, Volume 469, pp 85-95; doi:10.1007/978-981-10-1678-3_8

12) Panhalkar A. R., Doye D. D. "Improving Decision Tree Forest using Preprocessed Data", International Journal of Recent Technology and Engineering (IJRTE),ISSN: 2277-3878, Volume-8 Issue-6, March 2020

13) Panhalkar A. R., Doye D. D. Optimization of decision trees using modified African buffalo algorithm. *Journal of King Saud University-Computer and Information Sciences*. 2021 Feb 4. https://doi.org/10.1016/ j.jksuci.2021. 01. 011(1319-1578)

14) Panhalkar A. R., Doye D. D. An approach of improving decision tree classifier using condensed informative data. *Decision*. 2020 Dec; 47(4):431-45. https://doi.org/10.1007/s40622-020-00265-3(2197-1722)

15) Panhalkar, Archana R., and Dharmpal D. Doye. "A novel approach to build accurate and diverse decision tree forest." *Evolutionary*

intelligence (2021): 1-15. https://doi.org/10.1007/s12065-020-00519-0(ISSN: 1864-5917)

REVIEWER

1) IEEE ACCESS JOURNAL
2) SPRINGER JOURNAL

ORGANISED/OTHER ACTIVITIES:

1) Worked for NBA Accreditation in 2004 at PREC, Loni.

2) Work for ISO Certification in year 2009 and 2012 in PREC, Loni.

3) Worked as a Member in "Anti Ragging Squad" in year 2009 at PREC, Loni

4) Organized One day seminar on "Multidimensional Approach to Network Security" at University Level on 22nd Feb. 2010.

5) In organization of NSS Visit in 2009 - 2010 as a NSS Ladies Coordinator at PREC, Loni.

6) Organized One day Workshop on "CORE JAVA" at Parikrama COE, Kashti on Aug. 2012.

7) Worked as a Internal Senior Supervisor in University Exam 11th Nov 2013 to 23rd Nov 2013.

8) Worked as a Internal Vigilance Squad in University Exam 2nd May 2013 to 17th May 2013.

9) Organized One day workshop " Guidance on Competitive Exams" on 20th Feb 2015 in AVCOE Sangamner.

10) Organized Guest Lecture " MTECH as a Career option and GATE" on 14th July 2015 in AVCOE Sangamner.

11) Organized Guest Lecture " How to top with Minimum s" on 14th July 2015 in AVCOE Sangamner.

12) Session Chair in"IPGCON-2016", held at SCOE, Pune.

13) Organized Crash Course on " GATE-2016" on 5th Oct 2015 to 6th Jan 2016 for all branch students in AVCOE Sangamner.

14) Working as a Competitive Cell Incharge from Nov 2014 in AVCOE Sangamner.

15) Working as a Advisor of IEI student Chapter Incharge from Aug-2015.

16) Organized Crash Course on " GATE-2017" on Sept 2016 to 30th Jan 2017 for all branch students in AVCOE Sangamner.

17) Organized workshop on " Hands on C and C++" on 11th Jan 2016 SE (IT) students in AVCOE Sangamner

18) Organized Guest Lecture "GATE-2017"on 22nd June 2016 for all branch students in AVCOE Sangamner

19) Organized Guest Lecture "Mathematical modeling "on 30th June 2016 for TE and BE IT students under IEI student Chapter in AVCOE Sangamner

20) Organized workshop on "Aspects of C expertise in industry" on 15th July 2016 SE (IT) students in AVCOE Sangamner

21) Organized "Entertainment Week" for SE(Comp) students during 28th Sep to 3rd Aug 2020.

22) Conducted Online "Computer Graphics Virtual Lab of IIT Bombay" for SE(COMP) Students on 15th Oct 2020.

23) Organized Two days workshop for technical assistants on " Computer Hardware maintenance and Training" during 8th and 9th March 2021.

24) Conducted Online "Software Engineering Virtual Lab of IIT Bombay" for SE(COMP) Students on 16th May 2021.

25) Organized Webinar on "Yoga and Meditation" for SE(COMP) Students on 29th May 2021.

26) SPOS paper setting of TE 6th Sem (END SEM) June-22 Examination of Sanjivani, Kopergaon.

27) Worked as a "**Visiting faculty**" for DS&BDA Theory and Practical's for TE (6th Sem) , DYPCOE, Pune.

EXTRA DUTIES DONE:

1) Worked in NBA Accreditation

2) Worked in NAAC Accreditation

3) Working in ISO documentation

4) Research and Development In charge

5) Website Incharge

6) Lab In charge

7) Admission Duty

8) N.S.S. Camp Duty

9) Member of Art gallery in Annual Social Gathering

10) Stock verification Committee

11) Departmental Software Incharge

12) Competitive Cell Incharge

13) Advisor of IEI Student Chapter

14) Internal Senior Supervisor

15) ERP incharge

16) IT solution Incharge

17) Integrated dead stock Incharge

18) CMD Incharge

19) Innovation Cell Member

(Dr. Archana R. Panhalkar)