RESUME

Dr. Vaishali Rama Wadhe
Associate Professor,
Department of Electronics Engineering,
K J Somaiya Institute of Engineering & Information Technology, Sion, Mumbai

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CAREER OBJECTIVE:

To work for the organization of technical education to develop quality based system of technical education where excellence in engineering education is of society and market needs.

EDUCATION:

Ph.D. (Engineering), M.E. (Electronics Engineering), B.E. (Electronics & Telecommunication Engineering), B. Journalism, DCO (Computer Engineering)

CAREER PROFILE:

Highly skilled, talented, and qualified Assistant Professor with 16 Yrs. years of approved experience in the field of teaching and related activities of the engineering college. Wish to upgrade to the challenging position to utilize my skills and proficiency in the field of teaching and technology for the progress of the students and the society.

PROFESSIONAL STRENGTHS:

- Possesses excellent logical and critical thinking,
- Possesses good management and communication skills,
- Ability to solve issues in a quick and efficient manner,
- Have good leadership and management skills,

- In-depth knowledge of tools and techniques for effective teaching and learning activities,
- Good motivator and ability to handle multiple tasks,
- Determined and goal oriented.

PROFESSIONAL EXPERIENCE:

✓ **K. J. Somaiya Institute of Engineering & Information Technology, Mumbai.**

Associate Professor in Electronics Engineering

(August 16, 2018-till date, UGC Selection under University of Mumbai)

Assistant Professor in Electronics & Telecommunication Engineering

(January 1, 2005-August 15, 2018, UGC Selection under University of Mumbai)

➢ Dean, Industry & Institute Interaction Cell, KJSIEIT

➢ Handled the tasks of managing students and all activities related to the college

➢ Joint Chief Conductor, appointed by University of Mumbai, for the smooth conduction of Engineering examinations held in November-December 2014

➢ Member, Local Inquiry Committee (LIC) of University of Mumbai for the year 2009-2010 & 2010-2011

➢ Member, Result Moderation Committee of University of Mumbai for the year 2009-2010, and 2010-2011

➢ Coordinator, Central Assessment Process (CAP) of University of Mumbai for First Year Engineering Examinations held during the year 2007-2008

➢ Member, Local Managing Committee (LMC) of K. J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai for the duration 2007-2010

➢ IEEE Branch Counselor, KJSIEIT-IEEE Student Branch, K. J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai

➢ Paper setter for various subjects of Engineering Examinations under University of Mumbai

➢ Paper Evaluator for various subjects of Engineering Examinations under University of Mumbai

➢ Lab In charge for Signal Communication, Electronic Devices and Circuits, TV and Video laboratories

- ➤ Proctor
- ➤ Organizer of Technical Festival
- ➤ Coordinator (EXTC), Academics committee, KJSIEIT, Ayurvihar, Sion
- ➤ Coordinator (EXTC), Internal Quality Assurance Cell & Accreditation working Committee, KJSIEIT, Ayurvihar, Sion
- ➤ Member (EXTC), Anti-Ragging Squad, KJSIEIT, Ayurvihar, Sion
- ➤ Chairperson, Unfair Means Inquiry Committee, KJSIEIT, Ayurvihar, Sion

✓ **Government Polytechnic, Mumbai**

Lecturer

(October 28, 2003-December 31, 2004, Two years Full Time Contract Basis appointment by Directorate of Technical Education, Maharashtra State)

- ➤ Handled the tasks of managing students and all activities related to the college

- ➤ Appointed as representative of DTE, Mumbai for Conduction of CET Entrance examination held in July 2003
- ➤ Worked in Shikshan Shulk Samiti, Third floor, MSBTE office, Kherwadi, Bandra, Mumbai

EDUCATIONAL SUMMARY:

- Ph.D. (Engineering), Year 2015, Shri. JagdishPrasad Jhabarmal Tibrewala University, Vidyanagari, Junjhunu, Rajasthan
- Master of Engineering (Electronics Engineering), First Class with 60.13%, Year 2008, Government College of Engineering, Aurangabad affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra
- Bachelor of Engineering (Electronics & Telecommunication Engineering) First Class with 60.13%, Year 2001, Gangamai College of Engineering, Dhule affiliated to North Maharashtra University, Jalgaon, Maharashtra
- Diploma in Computer Engineering, First Class with 60.59%, Year 1998, Government Polytechnic, Jalgaon under MSBTE, Mumbai, Maharashtra.

RESEARCH PUBLICATIONS: (h-index: 2, Citations-5, RG Score- 1.08)

- **Book Publication**

"Cloud Computing" bearing ISBN 978-3-639-71565-1 has been published and is been commercialized worldwide. It is internationally published by Scholar's Press. Scholars'

Press is a trademark of OmniScriptum GmbH & Co. KG, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany. The cover page of the book is available on the following link:

https://www.scholars-press.com/system/covergenerator/build/2456

- ## **International Journal Publications**

1. Wadhe, V. (2007). A Direct Approach for Speech-To-Speech Translation. Journal of Emerging Technologies, Volume 2. ISSN No.: 0973-2993.

2. Wadhe, V. and Bharadi, V. (2013). Review: Services and Applications of Cloud Computing. International Journal of Scientific & Engineering Research, Volume 4, Issue 12, pp. 979-984. ISSN 2229-5518.

3. Wadhe, V. and Bharadi, V. (2013). Cloud Computing and Its Challenges. Centum, Multi- Disciplinary Bi-Annual Research Journal, Volume 6, Issue 6, pp. 328-332. ISSN 2231- 14775.

4. Wadhe, V. and Bharadi, V. (2014). Review on Existing Cloud Platforms. International Journal of Applied Information Systems, Foundation of Computer Science, New York, USA, Volume 6, Issue 8, pp. 21-26, ISSN 2249-0868.

5. Wadhe, V. and Bharadi, V. (2014). Security Aspect of Cloud Computing. International Journal of Scientific & Engineering Research, Volume 5, Issue 1, pp. 106-112. ISSN 2229-5518.

6. Wadhe, V. et.al. (2014). Microprocessor Smart Cards for Centralizing Fare Collection in Public Services. International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE), Volume 3, Issue 3, 2014. ISSN: 2277-9043.

7. Wadhe, V. (2016). Future and Scope of Cloud Computing in India. Elixer peer-reviewed Independent International Journal. ISSN 2229-712X. Elixir Comp Engg. 93 (2016) 39561-39563. Current Index Copernicus, Poland Value (ICV) is 80.82.

8. Wadhe, V. et.al. (2016). "Disaster Rescue Robot", International Journal of Electrical and Electronics Research (IJEER). Volume 4, Issue 1. ISSN 2348-6988.

9. Wadhe, V., Siddhesh, P, et al. (2018). Autonomous Weeding Boat. 2018. Advances in Computational Sciences and Technology (ACST). ISSN 0973-6107. Vol. 11. No.1.

10. Wadhe, V., Kapadia, T., et al. (2018). GSM Location Spotify and Path Planning for

Blind Using Ultrasonic. Advances in Wireless and Mobile Communications (AWMC). ISSN 09373-6972. Vol. 11, No.1.

11. Wadhe, V., Rathi, S., et al. (2018). RFID Based Security System Using SMART Card. Advances in Computational Sciences and Technology (ACST). ISSN 0973-6107. Vol. 11. No.1.

12. Wadhe V. (2019). Tree Climbing Coconut Plucker. International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM). ISSN 2320-6608. Vol. 54 Issue 1.

13. Wadhe V. Robonomics AI Pvt. Ltd., et al. (2019). Data Extraction Techniques for data on different environment: A Review. International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET). ISSN (Online): 2319-8753. ISSN (Print): 2347-6710. Vol. 8. Issue 5.

- **International Conference Publications:**

1. Wadhe, V. and Bhalchandra, A. (2007). Direct Approach for Speech-To-Speech Translation". 2nd International Conference on Emerging Adaptive Systems and Technologies. Noorul Islam college of Engineering, Kumaracoil, Thuckalay, Kanyakumari, Dist: Tamilnadu.

2. Wadhe, V. (2007). Applications of Advanced Technologies in Medical Healthcare Centers. International conference on Nanotechnology & Healthcare Applications. IIT Bombay.

3. Wadhe, V. (2009). Text to Speech Synthesis for Guajarati Language. International conference on Communication. Charutal Vidya Mandal's G. H. Patel college of Engineering, Anand, Gujrat.

4. Wadhe, V. and Bharadi, V. (2013). Cloud Computing: An Introduction. International Conference on Advance Computing (ICWAC-2013). Thakur College of Engineering and Technology, Mumbai. Volume 3, pp. 128-131. ISBN 978-0-9884925-2-3.

5. Wadhe, V., Siddhesh, P, et al. Autonomous Weeding Boat. 2018. Advances in Computational Sciences and Technology (ACST). ISSN 0973-6107. Vol. 11. No.1 (2018)

6. Wadhe, V., Kapadia, T., et al. GSM Location Spotify and Path Planning for Blind Using Altrasonic. 2018. Advances in Wireless and Mobile Communications (AWMC). ISSN 09373-6972. Vol. 11, No.1 (2018)

7. Wadhe, V., Rathi, S., et al. 2018. RFID Based Security System USsing SMART Card. Advances in Computational Sciences and Technology (ACST). ISSN 0973-6107. Vol. 11. No.1 (2018)

- **National Conference Publications**

    1. Wadhe, V. and Bhalchandra, A. (2005). Text-To-Speech Synthesis. National Conference at Shreenidhi Institute of Science and Technology, Ghatkesar, Hyderabad. (A.P).

    2. Wadhe, V. and Bhalchandra, A. (2006). Synthesis of Unseen Context, Spectra and Pitch Contour in Concatenated Text-To-Speech Synthesis. National Conference at Government Engineering College, Aurangabad. (M.S).

    3. Wadhe, V. and Bhalchandra, A. (2006). Text-To-Speech Synthesis for Hindi Language. National Conference at KCE's college of Engineering and Information Technology, Jalgaon. (M.S).

    4. Wadhe, V. and Bhalchandra, A. (2006). Text-To-Speech Synthesis for Marathi Language. National Conference at SRES's college of Engineering, Kopargaon. (M.S).

    5. Wadhe, V. and Bhalchandra A. (2006). Duration Modeling for Hindi Text-To-Speech Synthesis System. National Conference at Pandharpur College of Engineering, Pandharpur (M.S).

    6. Wadhe V. (2012). Recent Trends and Issues in Engineering Curriculum and Industry Needs. National Conference at Government College of Engineering, Jalgaon, Maharashtra.

    7. Wadhe, V. (2015). Marathi article "Online Vikrichee SaptPadee" Published in the Diwali special edition of the magazine SMART UDYOJAK (RNI Registration No.: MAHMAR/2015/64164). The article was under the topic Internet and Business.

    8. Wadhe, V. (2014). The Spirit of Collaboration. Maitri, International Business Cultural Digest. Published by Trans Asian Chamber of Commerce and Industries.

    9. Wadhe, V. (2017). Sustainable Development. Maitri, International Business Cultural Digest. Published by Trans Asian Chamber of Commerce and Industries.

    10. Wadhe, V. (2015). Marathi article "Online Vikrichee SaptPadee" Published in the Diwali special edition of the magazine SMART UDYOJAK (RNI Registration No.: MAHMAR/2015/64164). The article was under the topic Internet and Business.

RESEARCH GRANTS:

1. Sanctioned a grant of Rs. 35000/- by University of Mumbai for the academic year 2016-17 for the research work on "Tree Climbing Coconut Plucker"

2. Received a grant of Rs. 33000/- from University of Mumbai for the academic year 2007-2008 for the research work on "Word Based Text-To-Speech Synthesis"

SHORT TERM TRAINING PROGRAM (STTP) ORGANIZED:

1. As a Coordinator organized one-week I.S.T.E approved Short Term Training Programme (STTP) on "Microwave Integrated Circuit Design" during January 08, 2007-January 14, 2007 under I.S.T.E. Chapter KJSIEIT (IM1324).

STUDENT DEVELOPMENT PROGRAM ORGANIZED:

1. As a Convener, organized a *"Somaiya's ROBO Festival-2016" for School children of all ten schools under Somaiya organization*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on August 22, 2016.

2. As a Convener, organized a *"Summer Internship Program on Advanced Robotics and Embedded System-2014"* K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai during June 30, 2014 to July 9, 2014.

3. As a Convener, organized a *"Summer Internship Program on QuadCopter-2015"*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai during June 30, 2014 to July 7, 2015

4. As a Convener, organized a *"Summer Internship Program on Raspberry Pi with Linux-2015"*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai during July 07- July 15, 2015.

5. As a Convener, organized a *"Somaiya's ROBO Festival-2015" for School children of all eight schools under Somaiya organization*, K. J. Somaiya Institute of Engineering and Information Technology, Sion Mumbai on July 15, 2015.

6. Technical Festival of the college for the year 2011, 2012, 2013 and 2014.

7. As a Branch Counselor of IEEE Student Branch, organized many more activities workshops, seminars for the student since the year 2010.

8. Organized Robitics Training for students of K. J. Somaiya English Medium, Samirwadi, Karnatak and Vinay Mandir, Kannada School, Samirwadi, Karnataka during April 6-7,

2015

9. Organized Robotics Training for students of Sharada Vidya Mandir, Kopargaon, Somaiya Vidya Mandir, Lakshmiwadi, Kopargaon, and Somaiya Vidya Mandir Sakharwad, Kopargaon during June 15-16, 2015

10. Organized Robotics Training for students of K. J. Somaiya Secondary School, Nareshwadi, Dist:- Palghar during June 18-19, 2015

11. Organized Robotics Training for students of The Somaiya School, Vidyavihar and Somaiya Vinay Mandir (Guajarati Medium) during June 22-23, 2015

12. Organized seminar on 3D Printer for the student of EXTC, on August 3, 2015

13. Workshop on Robotics for First Year Engineering students of K. J. Somaiya Institute of Engineering & Information Technology, Sion, on September 7, 2015

14. Organized Robotic Training for students of Karmvir Baurao Patil School, Pratiksha Nagar, on, September 14, 2015

15. Organized wireless Robotic Training for students of K. J. Somaiya Secondary School, Nareshwadi, Dist:- Palghar during August 27-28, 2015

16. Organized Robotics Level-2 training for K. J. Somaiya Secondary School, Nareshwadi, Dist:- Palghar during January 27-28, 2016

17. Organized Robotics Level-2 training for students of K. J. Somaiya English Medium, Samirwadi, Karnatak and Vinay Mandir, Kannada School ar Samirwadi, Karnatak during April 6-7, 2016

18. Organized Robotics Level-2 training for students of Sharada Vidya Mandir, Kopargaon, Somaiya Vidya Mandir, Lakshmiwadi, Kopargaon, and Somaiya Vidya Mandir Sakharwad, Kopargaon during June 17-18, 2016

19. Organized Robotic Training for students of The Somaiya School, Vidyavihar and Somaiya Vinay Mandir (Guajarati Medium) on July 2, and July 8, 2016.

20. Workshop on Wired Robotics for First, second and third year Engineering students of K. J. Somaiya Institute of Engineering & Information Technology, Sion, on March 26, 2018.

21. Workshop on Wireless Robotics for First, second and third year Engineering students of K. J. Somaiya Institute of Engineering & Information Technology, Sion, on March 27, 2018.

SHORT TERM TRAINING PROGRAM (STTP) AND WORKSHOP ATTENDED:

1. One-day workshop on *"Rainwater Harvesting"* organized by Government polytechnic Mumbai during 4th September 2004 under National Environment Awareness Campaign: 2003-04 (Ministry of Environment & Forest, Govt. of India).

2. One-day workshop on *"OrCAD"* during January 2005 organized by India Soft Technologies (P) Ltd at on 4th September 2004 organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

3. One week ISTE approved Teacher's Training Program on *"Communication Circuits"* during January-April 2006 organized by K. J Somaiya College of Engineering, Vidyavihar, Mumbai.

4. One-week I.S.T.E approved Short Term Training Programme on *"Microwave Integrated Circuit Design"* during January 08, 2007 – January 14, 2007 organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

5. Two-week I.S.T.E approved Short Term Training Programme on "*Image, Video data Compression"* during January 07, 2008 – January 18, 2008 organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

6. One-week I.S.T.E approved Short Term Training Programme on *"Wavelet Transformation"* during November 24, 2008 to November 28, 2008 organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

7. Two-week I.S.T.E approved Short Term Training Programme on "*Digital Signal and Image Processing with Applications, using MATLAB"* during January 05, 2009- January 16, 2009 organized at Thadomal Shahani college of Engineering, Bandra, Mumbai.

8. One-week I.S.T.E approved Short Term Training Programme on *"Neural Network s and Fuzzy Logic"* during January 7, 2010 to January 14, 2010 organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

9. One-week I.S.T.E approved Short Term Training Programme on *"Mobile Technology: Current Trends and Future Directions"* during May 31, 2010 to June 4, 2010 organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

10. Two days workshop on *"PhD Coursework on Research Methodology"* during August

9- 10, 2011, jointly organized by Department of Gujarati, University of Mumbai, Mumbai and Shri Jagdish Prasad Jhabarmal Tibrewala University, Rajasthan.

11. Two days workshop on *"Speech Processing Techniques"* during January 6-7, 2012 organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

12. Attended "*IEEE Student Branch Counselors Meet"* and WIE Meet arranged by IEEE Bombay Section, conducted at Fr. Conceiscao Rodrigues College of Engineering, Bandra, Mumbai on 11th August, 2012

13. One week ISTE approved workshop on "Research Methodology & Related Open Source Tools" during December 17-21, 2012 organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

14. Attended Fourth International Conference on *"Challenges in Rural Electrification by Unconventional Energy Generation"*, held on October 10-11, 2013 at Renewable Energy Research Center, Shri Jagdish Prasad Jhabarmal Tibrewala University, Vidyanagari, Jhunjhunu, Rajasthan.

15. Attended One Day National Conference on *"Educational System: Global Scenario (ESGS-2013)"* held on October 19, 2013 at Shri Jagdish Prasad Jhabarmal Tibrewala University, Vidyanagari, Jhunjhunu, Rajasthan.

16. Attended TEQIP-II Sponsored one week workshop on "Cloud Computing & Virtualization" organized by Department of Computer Science and Engineering, Rajapabapu Institute of Technology, Rajarampur, Sakharale, Tal.Walwa, Dist. Sangali- 415414 during June 20-24, 2014

17. Completed course on Cloud Computing Certification-Basic and Advanced from MSys Tech India Pvt. Ltd.

18. One week ISTE approved workshop on "Mathematical Modeling and Applications in Technology" during May 11-15, 2015 organized at K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

19. Two days training program on "Optical Fiber Communication and Sensors", October 16-17, 2015 organized by Eagle Photonic Solutions in association with IETE, Mumbai, Vashi, Navi Mumbai.

20. One week ISTE and University of Mumbai approved and IET sponsored Short Term Training Program on *"The New Generation 4G and 5G Innovations, Research, Scope*

and Limitations" during November 17-21, 2015 organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

21. One week ISTE approved Faculty Development Program on *"IOT: Applications & Developments" during* May 2- May 7, 2016 organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

22. One week University of Mumbai approved Short Term Training Program on *"R Programming, Python and Perl" during January* 2- J anuary 7, 2018 organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

23. Two days' workshop on "Practical Electromagnetics for Modern Antennas, RF and Microwave Designs" during March 9-10, 2018 organized by Department of Electronics & Telecommunication Engineering of K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai.

AWARDS:

1. State level award of *"STAR MAHARASHTRA AWARD-2018"* awarded by Star Maharashtra News Paper, in the hands of Shri. Ramdas Athawale, Central Minister of State for Social Justice & Empowerment, Government of India, on 18th December 2018

2. "CHAIRMAN'S AWARD FOR OUTSTANDING FACULTY PUBLICATIONS-2014" under Somaiya's Educational Achievement Awards 2014.

3. State level award of *"SAMAJ RATNA"* awarded by Mantraalaya Varta, Mantraalaya, Maharashtra State at the hands of Shri. R. R. Patil, Home Minister, Government of Maharashtra, on 6th September 2007

4. State level award of *"SAMAJ BHUSHAN"* awarded by Beldar Samaj Seva Sangh, Nashik, Maharashtra, on August 2007 for taking initiative in working towards the welfare of under privileged, downtrodden and weaker sections of the society.

PROFESSIONAL MEMBERSHIPS:

- Hon. Chairperson, of Education Committee, Trans Asian Chamber of Commerce & Industry (TACCI)
- Fellow Member of Institution for Electronics and Telecommunication Engineers (IETE)
- Life Member, Indo American Society (IAS)
- Life Member, Indian Society for Technical Education (ISTE)

- Member, Institution of Engineering and Technology (IET)

ACHIEVEMENTS:

Was Key Note Speaker for the topic "Digital India" for the two days conference on "Make in India, Make in Maharashtra" held during 21, 22 November 2015 organized by Businessmen's Association of Maharashtra at Rambhau Mhalgi Prabodhini, Uttan Bhayandar, Maharashtra.

Dr. Vaishali R. Wadhe