

## BIO-DATA

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Mobile : 9422879500  
Date of Birth : 16<sup>th</sup> August 1971

### Qualifications

S. No.	Examination	University/ Board	College	Year	Percentage (%)	Subject
1.	B.E.	Pune	COET, Jalgaon	1993	61	Electronics
2.	M.E	Amravati	COE, Badnera	2002	69	Electronics
3.	PhD (Electrical Engineering)	M.S. University Baroda	Faculty of Technology, Baroda	2012	-----	Data Compression

### Ph.D Topic

**“A General Purpose Lossless Data Compression Scheme with Improved Compression Ratio and Decompression Time and Optimized for Searching and Retrieval of String Randomly from Large Collection”**

### Experience:

S. No.	From	To	Duration in months and years	Designation	Organization
1.	1-08-93	9-9-94	1 Year 01 Month	Instructor/Lecturer	Magnum Computers Academy
2.	10-9-94	30-6-04	9 Years 09 Months	Lecturer (Computer Dept)	SSBT's COET, Jalgaon
5	1-7-04	21-1-06	1 Year 07 Months	Sr. Lecturer (Computer Dept)	SSBT's COET, Jalgaon
4.	23-1-06	10-7-08	2 Years 06 Months	Asst. Professor (E&TC Dept) Approved	MAE, Alandi (D) Pune
5	11-7-08	03-02-11	2 Years 6 Months	Asst. Professor & Head (Computer Dept)	G.H.R. Institute of Engg. & Management, Jalgaon
6	04-2-11	19-07-11	2 Year 5Months	Professor & Head(Computer Dept) <b>Approved</b>	GF's Godavari College of Engineering, Jalgaon
7	20-7-13	Till date	1 Year 2 Months	Professor & Head (E & TC Dept)	SSBT's COET, Jalgaon

Total: **21 Years 01 Months**

- Areas of Interest** : Text Compression, Microprocessor, Computer Network, Software Engineering.
- Subjects Taught** : Microprocessor (8085/8086/80386), Microcontroller Programming Paradigm Methodology, Computer Network, Software Engineering etc.
- Labs Developed** : Microprocessor/Microcontroller, Computer Network etc.

**List of Continuing Education Programs Attended:**

**AICTE/ISTE STTP**

S.No.	Title of the Course	Venue	From-To	Duration
1.	Topics related to Engineering Education	SSBT's COET, Jalgaon	11-08-1998 to 17-08-1998	One Week
2.	Personal Communication System	Maulana Azad College of Technology, Bhopal,	14-12-1998 to 26-12-1998	Two Weeks
3.	Recent Trends in Opto Electronics & Optical Device Systems	College of Engineering, Goa	11-02-2002 to 15-02-2002	One Week
4.	Induction Training For Technical Education	JTM College of Engineering, Faizpur	09-09-2002 to 19-09-2002	Two Weeks
5.	Middleware Technology with Java 2 Enterprise Edition (J2EE)	Maharashtra Academy of Engineering, Alandi(D), Pune	22-11-2006 to 26-11-2006	One Week
6	Image and Video Processing	SSGM College of Engineering, Shegaon	18-12-2006 to 22-12-2006	One Week
7	Modern Communication Systems	SSGM College of Engineering, Shegaon	18-06-2007 to 22-06-2007	One Week
8	Soft Computing Tools: Neuro, Fuzzy Logic & Genetic Algorithms	VIT, Pune	16-07-2007 to 21-07-2007	One Week
9	Faculty Development Programme in Entrepreneurship	MITCON, Jalgaon NMU, Jalgaon	05-11-2008 to 17-11-2008	Two Weeks
10	Applied Game Theory	IIT, Kanpur	20-06-2014 to 24-06-2014	One Week

**SEMINARS/CONFERENCE/WORKSHOP**

S.No.	Title of the Course	Venue	From-To
1.	Quality Engineering Education	SSBT COET, Jalgaon	December 26, 2008
2.	National Seminar on I.T. Revolution And Human Resource Management	Vidya Bharti Mahavidyalaya, Amravati	January 11-12, 2002
3.	National Conference on Recent Trends in Information Communication Technology & Application	North Maharashtra University, Jalgaon	October 10-11, 2002

4.	Rational Unified Process Fundamentals	Rational, the e-development company	December 9, 2002
5.	OOAD with UML & Rational Rose	Rational, the e-development company	December 10,11,12, 2002
6.	Rational Clear Case Fundamentals for Windows	Rational, the e-development company	December 13,14,15 2002
7.	Rational Team Test for Functional Testing	Rational, the e-development company	December 16,17,18, 2002
8.	Orientation Program for Engineering College Teacher	SSBT's COET, Jalgaon	July 11-13, 2003
9.	Workshop on Matlab & Simulink	India Soft, Pune	July 2003
10.	Certified Novell Administrator6, Novell Guide to Network+	Novell India, Pune	July 7-12 2004
11.	National Seminar on Physics and Technology of Sensors	University of Pune, Pune	Feb 27,28, Mar 01, 2006
12.	Workshop on MATHEMATIC 05	Maharashtra Academy of Engineering, Alandi(D)	July 28-29, 2006
13	Workshop on NetSim	Maharashtra Academy of Engineering, Alandi(D)	Aug 17-18, 2007
14	Workshop on Wavelets	Maharashtra Academy of Engineering, Alandi(D)	Aug 24-25 2007
15	Workshop on LaTeX	COEP, Pune	Mar 21-23, 2008`
16	Workshop on "Embedded System"	RCPIT, Shirpur	July 16, 2008
17	Workshop on Syllabus Framing of North Maharashtra University, Jalgaon	RCPIT, Shirpur	November 8, 2012
18	Workshop on "Cyber-Physical Systems"	IIT, Hyderabad	March 22-23, 2013
19	Workshop on Syllabus Framing of TE E&TC of NMU, Jalgaon	RCPIT, Shirpur	February 17, 2014

### Membership of Professional Bodies

S.No.	Professional Body	Membership Grade	Membership Number
1	ISTE	Life Member	LM-27171
2	IJERIA	Life Member	LM-2054
3	IETE	Life Member - Fellow	F-236026
4	IEEE	Senior Member	92974079
5	IJETT (Journal)	Board Member	SSRGJ-IJETT-1304

Any other activity to be mentioned:

1. **Organized National Level Conference on “Emerging Trends in Signal Processing and Communication”, at Maharashtra Academy of Engineering, Alandi during 27-29 December 2007.**
2. **Organized and conducted University Level Workshop on “Assembly Language Programming” at G.H. Raisoni Institute of Engineering and Management, Jalgaon during 19-20 September 2008.**
3. **Organized Technical/Research Paper Competition (TRPCS) for the students of Computer Science Engineering /MCA at RGI and NMU level on 14 February, 2009 at G.H. Raisoni Institute of Engineering and Management, Jalgaon.**
4. **Delivered Expert Lectures at AICTE-ISTE approved STTP program on “Data Compression” at SSBT’s College of Engineering & Tech. Jalgaon.**
5. **Organized Faculty Development Program on Teaching – Learning Process in Engineering & Technology from 9 – 11 November 2011 at Godavari College of Engineering, Jalgaon**
6. **Organized ISTE – STTP on “System Analysis and Design” from 2 – 6 Jan 2012 at Godavari College of Engineering, Jalgaon**
7. **Organized Workshop on Ethical Hacking from 16 – 17 Feb 2012**
8. **Organized International Conference on Engineering Research and Application from 1 – 2 March 2012 at Godavari College of Engineering, Jalgaon**
9. **Organized AICTE sponsored Staff Development Program on “Software Application” during 11-22 June 2012 at Godavari College of Engineering, Jalgaon**
10. **Organized Two Day Workshop on “C – Graphics” for Second year Engineering Students of Computer & IT on 21 – 22 August 2012 at GF’s GCOE, Jalgaon**
11. **Organized One day Seminar on “C – Programming” for First year Engineering Students of NMU, on 14 September 2012 at GF’s GCOE, Jalgaon**
12. **Delivered Guest Lecture on “Pentium Microprocessor” at Amrutvahini COE, Sangamner on 14<sup>th</sup> September 2013 for UG students.**
13. **Delivered Guest Lecture on “Writing a Article” at Amrutvahini COE, Sangamner on 14<sup>th</sup> February 2014 for PG students.**

#### **Administrative Experience**

<b>S.No.</b>	<b>Designation</b>	<b>Responsibility</b>	<b>Period (From To)</b>
1	Head of E&TC Department (SSBT’s COET, Bambhori,	Departmental Activities	27-07-2013 to till date

	Jalgaon)		
2	Head of Computer Department (GF's GCOE, Jalgaon)	Departmental Activities	04-02-2011 to 19-07-2013
3	Dean Academics (GF's GCOE, Jalgaon)	Student & Staff Welfare	June 2011 to July 2013
4	Head of Computer Dept. at GHRIEM, Jalgaon	Departmental Activities	11-07-2008 to 03-02-2011
5	Head of I.T. Dept. at SSBT COET, Bambhori	Departmental Activities	01-10-2005 to 21-01-06
6	Admission Committee	First Year Admission under Management Quota	2004 & 2005
7	Lab Incharge	Development of Labs	1995 to 2004
8	Project Incharge	To monitor and guide final year students for their project work.	1998 to 2005

**Research & Development activities : Research work on Text Compression**

**List of Papers Published/Presented in National/International Conference and Journal:**

**Total: 32**

**National Conference: (15)**

1. **U.S. Bhadade, K.P. Adhiya**, "Network Intrusion Detection System", at North Maharashtra University, Jalgaon (National Conference on "Recent Trends in Information Communication Technology & Application, 10<sup>th</sup> & 11<sup>th</sup> October 2002).
2. **K.P. Adhiya, U.S. Bhadade**, "E-Learning", at North Maharashtra University, Jalgaon (National Conference on "Recent Trends in Information Communication Technology & Application, 10<sup>th</sup> & 11<sup>th</sup> October 2002)
3. **U.S. Bhadade, A.I. Trivedi, S.R. Suralkar**, "Improvising LZ Techniques", Proceedings of National Conference on Advanced Communication Techiques & Research, Channabasaveshwar Institute of Technology, Gubbi, Tumkur (Bangalore) 15 April 2005, pp 19-25
4. **U.S. Bhadade, A.I. Trivedi, S.R. Suralkar**, "Burrows, Wheeler Transform: A Data compression Method", Proceedings of National Conference on Advanced Communication Techiques & Research, Channabasaveshwar Institute of Technology, Gubbi, Tumkur (Bangalore) 15 April 2005, pp 87-92
5. **M.G. Wani, U.S. Bhadade**, "I.T. in Rural Development" published at MGM College of Engineering, Nanded (4<sup>th</sup> & 5<sup>th</sup> March 2006 – National Conference )
6. **M.G. Wani, U.S. Bhadade**, "Routing in WDM Optical Networking" ADELCO 2006, Kovilpatti, TamilNadu (5<sup>th</sup> & 6<sup>th</sup> April 2006 – National Conference )

7. **U.S. Bhadade, V.S. Mahajan, A.I. Trivedi**, “On Line Data Compression technique for VLSI chip”, National Conference on Recent Advances in Electronic and Communication Technology, Gurunanak Dev Engineering College, Ludhiana , 9<sup>th</sup> and 10<sup>th</sup> November 2006, pp 482-485
8. **U.S. Bhadade, A.I. Trivedi**, “Searching in Large Collection”, National Conference on Recent Advances in Electronic and Communication Technology, Gurunanak Dev Engineering College, Ludhiana , 9<sup>th</sup> and 10<sup>th</sup> November 2006, pp 494-497
9. **U.S. Bhadade, V.S. Mahajan**, “Searching Text approximately in Compressed File”, **National Conference on Recent Trends in Technology**, J.T. Mahajan College of Engineering, Faizpur, 20<sup>th</sup> & 21<sup>st</sup> November 2006
10. **U.S. Bhadade, V.S. Mahajan, A.I. Trivedi**, “String Searching for Ziv–Lempel Compression”, **All India Seminar on “Advanced Communication Techniques AND Networking – Exploring Challenges”**, The Institution of Engineers (India) Bhilai Local Centre on 6-7 January 2007
11. **U.S. Bhadade, D.R. Patil, K.F. Alfatmi**, “UML Based GUI Layout”, **National Conference on Advanced Technologies in Computing & Networking**, Management Association of MCA Institutes of Maharashtra (MAMI), Amravati 13-14 November, 2009
12. **U.S. Bhadade, D.R. Patil, Mayank Pathak**, “Analysis of Windows Operating Systems”, **National Conference on Emerging Trends in Engineering, Technology and Management**, SSBT's College of Engineering & Technology, Bambhori, Jalgaon, 29-March 2010
13. **U.S. Bhadade, Sonal Patil, A.R.Zope**, “Computer Vision”, **National Conference on Emerging Trends in Engineering, Technology and Management**, SSBT's College of Engineering & Technology, Bambhori, Jalgaon, 29-March 2010
14. **U.S. Bhadade, A.I. Trivedi**, “Text Compression using Two Dimension Dictionary”, **National Conference on Electronics Technologies, Government College of Engineering Goa**, 15-16 April 2011, pp 1 – 5.
15. **U.S. Bhadade**, “Essential Concepts of Engineering/Technology Curriculum”, **State Level Conference on Curriculum Development (SLCCD – 2012)**, Government College of Engineering, Jalgaon, 6 – 7 October 2012

#### **International Conference: (6)**

1. **U.S. Bhadade, A.I. Trivedi**, “Online Compression using Static Dictionary”, **International Conference on Emerging Technologies in Telecommunication Convergence**, IETE Mumbai Centre, Mumbai, January 10-12 2007, pp B-69 – B-73
2. **U.S. Bhadade, V.K. Sharma, A.I. Trivedi**, “A New General Purpose Compression Method for Searching in Large Collection” **TENCON 2007 IEEE Conference at Taipei, Taiwan. 31 Oct – 2 Nov 2007**

3. **U.S. Bhadade, P.D. Ganjewar**, “Evaluation of Huffman Coding Technique”, **International Conference on Computer Network and Security at VIT, Pune**. September, 2008
4. **U.S. Bhadade, A.I. Trivedi**, “Word based compression method using dynamic dictionary”, **International Conference on Science Engineering and spirituality**, SES COE, Navalnagar, April 2010
5. **U.S. Bhadade, D.R. Patil, Mayank Pathak**, “UML Modeling for Software Systems”, **International Conference on Science Engineering and spirituality**, SES COE, Navalnagar, April 2010
6. **U.S. Bhadade, Rahul Gaikwad, Ms.Dhanwanti Gaikwad, Ms.Kanchan Kuwar**, “The Research of TRIP Protocol Based on Soft Switching Technology”, **International Conference on Engineering Research and Application (ICERA – 2012)**, 1 – 2 March 2012, pp 185-191

**International Journals: (12)**

1. **U.S. Bhadade, A.I. Trivedi**, “A New Compression Method Useful For Direct Searching”, **International Journal of Engineering Research and Industrial Application (IJERIA)**, Volume 1, No. VII, 2008, pp 383-393
2. **U.S. Bhadade, A.I. Trivedi**, “Character based compression method using dynamic dictionary”, **International Journal of Engineering Research and Industrial Application (IJERIA)**, Volume 1, No. VII, 2010, pp 313-322
3. **U.S. Bhadade, A.I. Trivedi**, “Word Based Text Compression Technique using Dynamic Dictionary”, **International Journal of ADVANCED IN THEORITICAL AND APPLIED MATHEMATICS (ATAM)**, December, 2010, pp 359-366
4. **U.S. Bhadade, A.I. Trivedi**, “Lossless Text Compression using Dictionaries”, **International Journal of Computer Applications**, Volume 13– No.8, January 2011, pp 27-34.

**Post PhD Publication:**

5. **Nilesh Y Choudhary, Rupal S Patil, Dr. U S Bhadade, B M Chaudhari**, “Signature Recognition & Verification System Using Back Propagation Neural Network” **International Journal of IT, Engineering and Applied Sciences Research**, Vol 2, No. 1, January 2013 (ISSN: 2319-4413) pp 1 - 8
6. **Dr. U.S. Bhadade, Amol Bhutada**, “Parallelization of 2D Steady State Heat Plate Equation”, **International Journal of Multidisciplinary Research & Advances in Engineering.(IJMRAE)**, ISSN 0975-7074, Vol. 5, No. I (January 2013), pp. 1-16
7. **Dr. U.S. Bhadade, Amol Bhutada**, “In-Core Optimization of Poisson Equation using Parallel Computing”, **International Journal of Multidisciplinary Research and Advances in Engineering (IJMRAE)**. ISSN 0975-7074, Vol. 5, No. I (January 2013), pp. 25-40

8. **Miss Priyanka Koshti, Dr. P.H. Zope, Dr. U.S. Bhadade**, “A Survey of Vehicle to Driver/Environment Interaction Using Smartphone” **International Journal of Software and Web Sciences (IJSWS)** Dec-2013 – Feb-2014, pp. 69-73
9. **Mr. Mayur B. Kachare, Dr. Umesh S. Bhadade**, “A Review on Security Analysis of Satellite Phones” **International Journal of Engineering Trends and Technology (IJETT)** – Volume 10 Number 3 - Apr 2014, pp. 153-160
10. **P.S. Asolkar, Dr. Umesh S. Bhadade**, “Analyzing and Predicting the Green House Parameters of the Crops” **International Journal of Computer Applications (IJCA)** – Volume 95 – No. 15, June 2014, pp. 28 – 39.
11. **Nilesh M. Verulkar, Dr. Umesh S. Bhadade**, “Analysis of Bandwidth Recycling in IEEE 802.16 Network using PSA, RB-RFA & HAS”, **International Journal of Engineering Trends and Technology (IJETT)** – Volume 12, No. 2, June 2014, pp. 53 – 59
- 12 **Shamal Desai, Dr. Umesh S. Bhadade**, “Image Resolution Enhancement based on DWT and SWT”, **International Journal of Multidisciplinary Research and Advances in Engineering (IJMRAE)** – Vol. 6 No. III, (July 2014) ISSN 0975-7074, pp 1153 – 174.

**PhD. Supervisor for Pacific University (PAHER) Udaipur in Computer Science/Engineering**  
**PhD Supervisor for North Maharashtra University, Jalgaon in Electronics Engineering**

**Any other information not covered above:**

**Member of Board of Studies for Computer Engineering (Inclusive Information Technology) at North Maharashtra University, Jalgaon**  
**(From 25-01-2001 to 06-11-2003 – Two Years & 9 Months)**

**Declaration:**

I hereby declare that the above mentioned information is correct to the best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Date: 02/09/2014

Place: Jalgaon

(Umesh Shantilal Bhadade)