

Curriculum Vitae

Bharti WamanraoGawali

[M.Sc., Ph.D., SET, in Computer Science]

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Personal Detail

Designation : Professor and Head

Department of Computer Science & Information Technology

Dr.BabasahebAmbedkar Marathwada University, Aurangabad (M.S),

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<http://www.scmipr.org>, www.bamu.net/departments/csit

Address (Residence): “PRATIK”, Plot No. 215 A, Behind Vivekananda School,
Nandanvan Colony, Aurangabad (M.S), India -431004.

Date of Birth:September 26, 1974.

Category: SC (Scheduled Caste).

Nationality: Indian.

Teaching and Research: Experience 20 Years.

Educational Qualification (Post-Graduation onwards)

- B. Sc. from Dr. BabasahebAmbedkar University, Aurangabad, in 1995, with First Division.
- M.Sc. (Computer Science) from Dr. BabasahebAmbedkar University, Aurangabad,in 1998, with First Division.
- Qualified SET (Computer Science and Application) from University of Pune, Pune in 2003.
- Ph.D. (Data Compression) from Dr. BabasahebAmbedkar University, Aurangabad, in Feb 2007.

Position Held(in chronological order)			
Position Held	Organization	Period Nature	Nature of Work
Lecturer	Milind College of science, Aurangabad	1998 to 2001	Teaching (Jr.UG and PG Level)
Lecturer	Dept. of Computer Science & IT, Dr. B. A. M. University, A' bad.	2001to 2007	Teaching & Research (PG Level)
Reader	Dept. of Computer Science & IT, Dr. B. A. M. University, A' bad.	2007 to March 2010	Teaching & Research (PG Level)
AssociateProfessor	Dept. of Computer Science & IT, Dr. BA. M. University, A' bad.	March2010 to2013	Teaching & Research (PGLevel)
Professor	Dept. of Computer Science & IT, Dr. B. A. M. University, A' bad.	December 2013 To Till Date.	Teaching & Research (PG Level)
Course Coordinator	Various Courses organized by ASC, Dr.B. A. M. University, A'bad.	2011	
MemberofADHOC Board	Dr.B.A.M.University, A'bad.	June 2009 to 2010	
Member of School Council	Computer Science, YashwantraoChavan MaharashtraOpen University,Nasik	June2011 totill date	
Warden	Hostel No 2,Dr.B.A.M.University,A'bad.	2 July 2015 to till date	
Director	Incubation		
Recognition By An Academic Organization			
Sr. No.	Life Member &Fellow	Name of the body / Organization	
1	IAEng	International Association for Engineers and Computer Scientists, Hong Kong (membership number 62925)	
2	CSTA	Computer Science Teachers Association, New York	
3	IACSIT	International Association of Computer Science and Information Technology, Singapore	
4	IEEE	Institute of Electrical and Electronics Engineers, USA.	
5	FIETE	Institute of Electronics and Telecommunication Engineers, New Delhi. (membership number M-189112)	
6	ISCA	Indian science congress (Membership No:- L23158)	
Activities			
Sr. No.	Activity		
1	Contingent In-Charge in the 11 th Maharashtra State Level Inter-University		

	Research Convention AVISHKAR-2016 held at Swami RamanandTeerth Maharashtra University, Nanded, during 27/01/2017.
2	Co-Ordinate of MOOC Swayam.
Workshop/Professional Training	
1	Workshop on Effective preparation for SET/NET examination organized by Dept. of CS and IT, Dr. BabasahebAmbedkar Marathwada University, Aurangabad from 17 th to 19 th January 2003.
2	Workshop on E-Education organized by Dept. of CS and IT, Dr. BabasahebAmbedkar Marathwada University, Aurangabad on 16th September 2004.
3	Workshop on Mat lab 6.5 and its application organized by Dept. of Department of Electronics and Telecommunication Engineering GCE, Aurangabad from 21st to 22nd February 2004.
4	Workshop on Embedded Systems and its Application organized by Dept. of CS and IT, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
5	Workshop on Emerging Research trends in Advanced Computing organized by Department of Computer science, North Maharashtra University from 14 th -15 th July, 2007.
6	Workshop on Speech Processing under TEQIP organized by Department of Electronics and Communication Engineering, National Institute of Technology, Warangal from 24 th to 28 th March 2008.
7	Participated in One-Day Workshop on “Embedded System and Robotics”, 7 th March 2009 (Dr. B. A. M. University Aurangabad.)
8	Participated Winter School on Speech and Audio Processing (WISSAP 2010) Conducted by IIT Mumbai, from 12 th to 15 th January 2010.)
9	Participated in National Workshop of Data Mining and data Warehousing organized by Dr. BabasahebAmbedkarMarathwadaUniversity, Aurangabad 2010.
10	Attended the workshop on speech database collection conducted by TIFR Mumbai, 19 th Feb2011.
11	One Day Training Workshop on “Right to Information (RTI) Act”, 13 th March 2012 Organize by Yashada Pune and Dr. B. A. M. University, Aurangabad at Department of Journalism, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
12	Participated One Day workshop of One Day Workshop on “Integrating GeoSpatial Technology with e-Governance of an Indian District”, organized by Department of CS & IT, Dr. BabasahebAmbedkarMarathwada University, Aurangabad, during

	19 th January 2013.
13	Attended during 6-17 th July 2015, Training on “Advances in GIS” on National Remote Sensing Center Hyderabad.
14	Attended during 8-9 th December 2015, Training on “Bhuvan Overview” National Remote Sensing Center Hyderabad.
15	Participated in workshop on “LaTex”, organized by Department of Computer Science and Information Technology, Dr. BabasahebAmbedkar Marathwada University, Aurangabad during 25/06/2016.
16	Participated in University-Industry Interaction Summit 2016, held at Dr. Dr. BabasahebAmbedkar Marathwada University, Aurangabad during 20/10/2016 to 21/10/2016.
17	Participated in two days 1 st National Symposium workshop on “Age of bioinformatics”, held at MGM Institute of Bioscience and Technology, Aurangabad during 11/09/2017 to 12/09/2017.
18	Participated in two days National Level Workshop on “Cup Championship on Quad Copter Development”, organized by Revert Technology Pvt Ltd and EDC IIT Roorkee, held at Zonal Center Dr. BabasahebAmbedkar Marathwada University, Aurangabad during 30/01/2018 to 31/01/2018.

Conferences/Workshops Organized

National/International Conferences

Sr. No.	Title of Workshop /seminar/ conference	National/ International	Month & Year	Place	Nature of experience and details of capacity with which organized
1	National Conference on “Computer Communication and Security”	National	4 th and 5 th , January 2004	Aurangabad (MS) India	Chairperson , publication committee
2	Advances in Computer Vision and Information Technology, (ACVIT-07)	International	28 th -30 th , November 2007	Aurangabad (MS)India	Chairperson , publication committee
3	International Conference on Microwave and Optoelectronics (ICMO 2007)	International	17 th -20 th , December 2007	Aurangabad (MS)India	Organizing Secretary

4	Advances in Computer Vision and Information Technology, (ACVIT-09)	International	16 th -19 th , December 2009	Aurangabad (MS) India	Chairperson , publication committee
5	International Conference on Knowledge Engineering (ICKE 2011)	International	29 th -31 st , January 2011	Aurangabad (MS) India	Session Chair
National/International Workshops					
Sr. No	Title of Workshop /seminar/ conference	National/ International	Month & Year	Place	Nature of experience and details of capacity with which organized
1	Workshop on “Parallel Computing and Grid Computing”	National	21 st -22 nd June 2002	Aurangabad (MS) India	Organizing Committee
2	Workshop on “E-Education”	National	16 th , September 2004	Aurangabad (MS) India	Organizing Committee
3	National Workshop on Data Warehousing and Data Mining (NWDWDM-2010)	National	25 th -27 th February 2010	Aurangabad (MS) India	Publication committee
4	Workshop on “Open Source Quantum GIS”	National	3 rd , September 2011	Aurangabad (MS) India	Organizing Secretary
5	Workshop on Automatic Speech Recognition	National	13 th -5 th , October 2011	Aurangabad (MS) India	Convener
6	Workshop on Integrating Geospatial Technology with e-Governance of an Indian District	National	19 th , January 2013	Aurangabad (MS) India	Organizing Secretary
7	National Workshop on Microwave Remote Sensing	National	22 nd -24 th January 2014	Aurangabad (MS) India	Organizing Secretary
8	Building World Class Incubators	National	20 th – 21 st August 2018	Ahmedabad Gujarat	ATAT Innovation Mission, NITI Aayog

Refresher /Orientation Courses	
1	Attended Refresher course during 05/12/2005 TO 24/12/2005, Conducted by Department of Computer Science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad with grade A.
2	Attended IST ID Refresher course during 27/01/2007 to 15/02/2007 Conducted by Department of Computer Science and IT and Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. With grade A.
Lecture Delivered	
1	69 th Orientation course during 17/07/2007 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
2	70 th Orientation course during 19/10/2007 and 20/10/2007 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
3	Refresher course in Information technology during 17/07/2007 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
4	73 th Orientation course during 18/07/2008 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
5	74 th Orientation course during 18/09/2008 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
6	Summer school in IT during 24/07/2007 and 25/07/2008 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
7	77 th Orientation course during 05/03/2009 and 06/03/2009 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
8	Refresher course in Information technology Applications during 10/03/2009 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
9	91 st Orientation course during 19/03/2009 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
10	78 th Orientation course during 02/07/2009 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
11	80 th Orientation course during 10/02/2009 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
12	81 st Orientation course during 27/02/2010 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

13	82 th Orientation course during 17/06/2010 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
14	83 th Orientation course during 19/07/2010 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
15	84 th Orientation course during 23/08/2010 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
16	86 th Orientation course during 14/03/2011 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
17	Refresher course in Computer Science and Information technology during 12/03/2011 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
18	Refresher course in Computer Science during 6/03/2012 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
19	Special Summer school in IT during 23/07/2007 to 11/08/2008 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
20	91 th Orientation course during 19/03/2012 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
21	93 th Orientation course during 28/08/2012 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
22	95 th Orientation course during 15/12/2012 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
23	Special Summer school in IT during 24/07/2007 and 25/07/2008 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
24	Refresher course in Research methodology (Science discipline) during 16/01/2013 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
25	Refresher course in Physical Education during 15/03/2013 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
26	Refresher course in Library & Information Science/Journalism during 10/10/2013 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.

27	Special Summer school during 24/06/2013 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
28	Refresher course in Disaster Management (ID) during 14/11/2013 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
29	Delivered Lecture in Department of Computer Science and Information Technology on 27/08/2013 on Interaction Programmed for Ph.D. Students.
30	Refresher course in Disaster Management (ID) during 28/11/2013 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
31	Delivered Lecture in MGM' Dr. G. Y. Pathrikar college of computer science and Information technology 2014.
32	106 th Orientation course during 11/12/2014 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
33	Refresher course in Women Studies (ID) during 10/03/2014 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
34	Delivered Lecture of higher Education inVasatraoNaikMahavidyalaya Aurangabad 3-October 2015.
35	Delivered Lecture in Center for Vocational Education and Training (CVET) on 02/02/2015 on Business Tools-II (Theory) (Paper No-VOC-402) for Fourth Semester.
36	Delivered Lecture in Department of Computer Science and Information Technology on 10/10/2015 on Pre-Ph.D. Course Work.
37	Delivered Lecture in Department of Public Administration, Dr. BabasahebAmbedkar Marathwada University, Aurangabad on 10/12/2015 on Pre-Ph.D. Course Work.
38	Delivered Lecture in Shrivaisnav Institution of Management college, Indor, Devi AhilyaUniversiy on 15/03/2017 on Latest Trends in Computer Science.
39	118 th Orientation course during 02/02/2018 to 03/03/2018 organized by Academic staff college, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
40	119 th Orientation course during 25/06/2018 to 21/07/2018 organized by UGC-Human Resource Development Center.
Co-Curricular Activities	
1	CoordinatorforE-LearningCenterestablishedbyDepartmentofAdult continuing educationand Extension services Under the UGC tenth five year plan from 1 July

	2006 to 31/03/2007
2	Publication secretary of International conference on advances in computer vision and IT (ACVIT-2007) Organized by department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
3	Organizing Secretary for International conference on Microwave and optoelectronics ICMO -07 organized by Department of Computer Science and IT in collaboration with Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 17 th -20 th Dec 2007.
4	Officer at the center PG Assessment center for PG examination April 2009 held at Rajashri Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambedkar Marathwada University Aurangabad.
6	Publication secretary of International conference on advances in computer vision and IT (ACVIT-2009) during 16 th to 19 th Dec 2009. Organized by department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
7	Coordinator of Two day seminar on Personality Development for IV Sem student during 12 th to 13 th March 2010.
8	Hony. Secretary of Institute of Electronics and Telecommunication engineers, Aurangabad center from July 2010 to till date.
9	Co-Ordinator of Orientation Course during 2 nd to 28 th Feb 2010 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
10	Publication secretary of International Conference on Knowledge Engineering (ICKE) during 29 th -31 st Jan 2011 organized by Department of computer science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
11	Coordinator of National Workshop of Automatic Speech Recognition 13 th -15 th Oct 2011, organized by Department of computer science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
12	Director of University PG CAS (Science) March / April 2011-2012 held at Rajashri Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambedkar Marathwada University Aurangabad.
13	Co-Ordinator of Special summer school program during 23 th July 2012 to 11 th Aug 2012 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
14	Co-Coordinator of M. Phil in Computer Science Course.

15	Co-coordinator of Computer Club in Dept.Of CSandIT,Dr.BabasahebAmbedkar Marathwada University, Aurangabad.
16	Warden of Girls hostel 02, Dr. BabasahebAmbedkar Marathwada University, Aurangabad from 1 st July 2012 to till date.
Area ofInterest	
Data compression,Speech Processing Human computer Interaction,Emotion Recognition, Signature Recognition,Brain Computer Interface, Remotesensing& GIS,Medical Image Processing.	
Visit Abroad:The Netherlands to participate BCI workshop	
Resource Person	
1	International Conference on “E-Governance for Emerging India”, President of Key Note Address on the topic “E-Governance” and Accounting Information System”, during 17/02/2017.
2	Resource Person, Two days National Conference on “Advancement in the field of Computer Science & IT”, Organized by Dr. D. Y. Patil Arts, Commerce & Science College, Pune, during 15/02/2018.
Awards/ Rewards	
1	“ShikshakPratibha” award on 5th Sept. 2009 by Dept. of Mass communication and Journalism, Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
2	“Second prize of Maharashtra Research festival (Avishkar)” held at Health University, Nasik 2011
3	DST Fast Track Young Scientist award.
4	Ideal Teachers award(AdarshShikshakPuraskar)” on 5 th Sept. 2014 - Dr. BabasahebAmbedkar Marathwada University, Aurangabad.
Participated in Conference	
1	Nationalconferenceon“RTICTE”organizedbyDepartmentofComputer Science, North Maharashtra University, Jalgaon from 10 th to 11 th October 2002.
2	National conference on Computer Communication and Security organized by Dept.ofCS andIT,Dr.BabasahebAmbedkar MarathwadaUniversity, Aurangabad and Institute of Electronics and Telecommunication Engineers sub center Aurangabad from 4 th and 5 th January 2004.
3	National conference on IT-Wins 2004 organized by Computer centerThapar Institute of Engineering and Technology Patiala, Punjab.
4	National conference on AICT 2005 organized by B. P. Arts, S.M.A. Science and K.K.C.Commerce college, Chalisgaon, Dist. Jalgaon from 11 th and 12 th February 2005.

5	International conference on Advances in Computer Vision and Information Technology by Department of Computer Science and IT in collaboration with Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 17 th -20 th Dec 2007.
6	International conference on Microwave and optoelectronics organized by Department of Computer Science and IT in collaboration with Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 17 th to 20 th Dec 2007.
7	International Conference on Systemic, Cybernetics and Informatics ICSCI Organized by Pentagram Research Centre, Hyderabad from 3 rd to 7 th Jan 2007.
8	International conference on Advances in Neurosciences organized by Centre for Neuroscience and Department of Biotechnology, Cochin University of Science and Technology, Cochin, Kerala From 12 th to 14 th December 2008.
9	National Conference Advancements in International Technology and Internet Security-AITIS2008 held at Sinhgad Technical Education Society's SIBAR, Kondhwa (Bk.), Pune on 4 th and 5 th January 2008.
10	Participated in International Conference on Computer Vision and Information Technology (ACVIT-09), 16 th to 19 th December 2009, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
11	Participated and paper presented in International Conference on Advances in Computer Science, ACS2010, held during Dec 20 th -23 th 2010 organized by Trivandrum, Kerala, India.
12	Participated and paper presented in IEEE organized International conference INDICON-2011, during 16 th -18 th December 2011 organized by IEEE Hyderabad section with collaboration of BITS Hyderabad.
13	Participated and paper presented in International Conference on Knowledge Engineering (ICKE-2011) during 29-31 st Jan 2011 organized by Department of computer science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
14	Participated in one day author workshop on "Scientific writing & publishing Scholarly articles", at Knowledge Resource Center Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
16	Participated in 2 nd International Conference on Cognitive Knowledge Engineering (ICKE-2016) organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during

	21/06/2016 to 23/06/2016.
17	Participated in two days National Conference on “Advancement in the field of Computer Science & IT”, organized by Dr. D. Y. Patil Arts, Commerce and Science College, Pune during 14/02/2018 to 15/02/2018.

List of Publication

National Conferences

1	Coauthoredfortheresearchpaper“SimulationofCommitProcessingunder DistributedRealTimeDatabaseSystem”inNationalconferenceonComputer CommunicationandSecurityorganizedbyDept.ofCSandIT,Dr. BabasahebAmbedkar Marathwada University, Aurangabad and Institute ofElectronics and TelecommunicationEngineerssubcenterAurangabadfrom4thto5thJanuary2004.
2	Coauthoredforthepaper“EffectiveApproachforDevelopingOODforRemoteDesigners uses UML, XML and Data Compression” National conference on IT-Wins2004organizedbyComputercenter,ThaparInstituteofEngineeringandTechnology Patiala, Punjab.
3	Coauthoredforthepaper“StatusofITinBusinessManagement”National conferenceonAICT2005organizedbyB.P.Arts,S.M.A.ScienceandK.K.C. Commerce College, Chalisgaon, Dist. Jalgaon from 11 th and 12 th February 2005.
4	Bharti Gawali, S. C. Mehrotra, “An Approach to Cryptography”, In the Proc. Of Second National Conference on Innovation in Information and Communication technology, July 2006.
5	BhartiGawali,ChiracAtole,“ACryptosystemForRemoteDesignersOfObject OrientedSoftware”,tobeheldinSeptember06.PaperPublishedinNational Conference on Cryptography and Network Security (NCCNS 2006).
6	Bharti Gawali, VrushabhPawar, S.C.Mehrotra, “Lossless compression for Medical Images” Paper Published in National Conference on emerging trends in information Technology, (eIT), VIIT, Baramati, PUNE India on 29-30 th September 2006.
7	Coauthoredapaper “ANewApproachtoCryptography”publishedinNationalConference ACES-09 organized by JNEC College, Aurangabad from 8th 9th Jan 2009.
8	Sunil Khillare, Bharti Gawali, “Gesture recognition technique on Face- A Review”,MPGI National Multi Conference 2012, 7, 8 April 2012.

International Conferences

1	Bharti Gawali and S.C.Mehrotra“An Approach for Lossless Image Data compression” International Conference on Systemic, Cybernetics and Informatics ICSCI from 3 rd to
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	7 th Jan 2007.
2	Bharti Gawali “8 bit Text Compression”, International conference on Advances in Computer Vision and Information Technology by Department of Computer Science and IT in collaboration with Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 17 th -20 th Dec 2007.
3	Suhas Mache and Bharti Gawali “E-Learning for visually disabled Students” ISTE Convention, JSPM, Wagholi, Pune From 9 th -10 th Jan 2008.
4	Pramila Mhaske and Bharti Gawali, “Pneumatic Base Pick And Place Robot” ISTE Convention, JSPM, Wagholi, Pune From 9 th -10 th Jan 2008.
5	Madhuri Joshi, Bharti Gawali and S.C. Mehrotra “Remote Pollution Controller: A Novel System for Agriculture”, National Conference Advancements in International Technology and Internet Security-AITIS 2008 held at Sinhgad Technical Education Society’s Sinhgad Institute of Business Administration and Research, Kondhwa (Bk.), Pune on 4 th and 5 th January 2008.
6	Coauthored a paper, “Region Wise Emotion Recognition Using EEG Brain Signals”, International Conference Machine Intelligence Application to Power Signal Processing Communication and Control, organized by GMRIT, Rajam, A.P, from 7 th - 9 th April 2011.
7	Coauthored paper, “Extraction of Genetic Features using Speech Recognition”, Published in International Conference on Knowledge Engineering (ICKE 2011) during 29-31 Jan 2011.
8	Bharti W. Gawali, Shashibala Rao, Priyanka Abhang, Pramod Rokade and S.C. Mehrotra, “Classification of EEG Signals for different Emotional States”, 4 th International Conference on Advances in Recent Technologies in Communication and Computing, ARTCom 2012, will be held in Bangalore India from Oct 19-20 th , 2012.
9	Santosh Gaikwad, Bharti Gawali, S.C. Mehrotra, “Novel Approach Based Feature Extraction for Marathi Continuous Speech Recognition”, Accepted in International conference on Advance in computing and Informatics (ICACCI-2012).
10	Santosh Gaikwad, Bharti Gawali, Suresh Mehrotra, “Creation of Marathi speech corpus for automatic speech recognition” Oriental COCOSA held jointly with 2013 Conference on Asian Spoken Language Research and Evaluation (OCOCOSA/CASLRE), 2013 International Conference Pages 1-5 Publisher IEEE.

1 1	Vaishali R. Lokhande, Bharti W. Gawali, "Analysis of Signature for the Prediction of Personality Traits", Presented in 1 st International Conference on Intelligent Systems and Information Management (ICISIM)-2017 held on 5-6 October 2017, Published in IEEE Xplore on 1 December 2017, E-ISBN: 978-1-5090-4264-7, (PoD) ISBN: 978-1-5090-4265-4. (Scopus Index)
1 2	M. V. Rege, B. W. Gawali, Santosh Gaikwad, "Performance Evaluation of Image Segmentation Process for Recognition of Leukemia" Presented in Third International Conference on Information and Communication Technology for Intelligent Systems, Ahemadabad, Gujrat, India during 6-7 April 2018, Published in the ICTIS 2018 Conference Proceedings by Springer SIST [ISSN Number : 2190-3018].
1 3	M. V. Rege, B. W. Gawali, Santosh Gaikwad, "Automatic Leukemia Identification System Using Otsu Image Segmentation aand MSER Approach for Microscopic Smear Image Database" Presented in Second International Conference on Inventive Communication and Computational Technologies (ICICCT-2018), Coimbatore, Tamil Nadu, India During 20-21 April 2018, Ahemadabad, Published in the IEEE Xplore.
1 4	VaishaliLokhande, Smt. Santwana Mishra and Dr. Bharti Gawali, "Prediction of Personality through Hand Geometry and Big Five Factor Model", Presented International Conference on Recent Trends in Computational Engineering and Technology (ICTRCET)-2018 held on 17-18 May 2018, Will be Published soon in IEEE Xplore. (Scopus Index)
1 5	M. V. Rege, B. W. Gawali, Santosh Gaikwad, "Performance Evaluation of Image Segmentation Process for Recognition of Leukemia" Presented in Second International Conference on Advanced Informatics for Computing Research (ICAICR-2018), Shimala, Gujrat, India during 14-15July 2018, Published in the ICAICR 2018 Conference Proceedings by Springer CCIS [ISSN Number : 1865-0929].

Journals

1	Bharti Gawali and S.C.Mehrotra, "Lossless Data Compression through Extraction of redundant Bits for Images", Journal of Advance and Science Technology (JAST),9 (I&II),June, Dec., 2006, 1-4. ISSN: 0855-2215,2006.
2	Ganesh Janvale, Bharti Gawali, SachinDeshmukh, ArunMarvale, PramodRokade, and S. C. Mehrotra, "Analysis of Brain Signals using Electroencephalogram", Annals Of Neurosciences, Vol.15, 2008.
3	Bharti Gawali and S. C. Mehrotra, "An approach for Text Data Compression", published in International Journal of Cybernetics and Systemic, Pentagonam, ISSN

	0196-9722 (Print), 1087-6553 (Online), 2010.
4	B.W.Gawali, P.B.Rokade, G.W.Janvale and S.C.Mehrotra, "Ovarian harmones and the brain signals",Annals of Neurosciences, 16(2), pp. 72-74, 2009.
5	Bharti Gawali and S.C.Mehrotra,"An Approach for Lossless Image Data Compression", Paper published in International Congress for global Science and Technology Entitled Journal on Graphics, Vision and Image Processing . ISSN: 1687-398X Print, 1687-3998 Online,2010.
6	KanishkKalasare, Bharti Gawali,"Advances in Bioinformatics- A Review paper", published in International Journal of Computational Intelligence and Bioinformatics. Vol.1 (2), International Science Press: ISSN:0974-8695, 2009.
7	G.B.Janvale,B.W.Gawali,RakeshS.Deore,SureshC.Mehrotra,SachinN. Deshmukh, Arun V. Marwale, "Songs induced mood recognition system using EEG signals",publishedinAnnalsofNeuroscience,Vol.17.Number2,pg. 80, April2010.
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Chapters in the Book

1	Gawali Bharti, Mehrotra Suresh,“Extraction of Genetic Features using Speech Recognition”, KnowledgeEngineering, Narosa Publishing House, New Delhi, ISBN: 978-81-8487-123-4, pp. 123-128, Jan 2011.
2	DeoreRakesh, Gawali Bharti, Mehrotra Suresh, “Digit Recognition System Using EEG Signal”, Brain-Computer Interfaces-Springer International Publishing Switzerland-2015.
3	Sangramsing N. Kayte, Monica Mundada, Santosh Gaikwad and Bharti Gawali,“Performance Evaluation of Speech Synthesis Techniques for English Language”, © Springer Science+Business Media Singapore 2016 S.C. Satapathy et al. (eds.), Proceedings of the International Congress on Information and Communication Technology, Advances in Intelligent Systems and Computing 439, DOI 10.1007/978-981-10-0755-2_27 http://link.springer.com/chapter/10.1007/978-981-10-0755-2_27

Research Projects Completed

Sr. No	Name of Project	funded by	Total Grants
1	Minor Research Project on “Design of Marathi Speech Database for MarathwadaRegion.”	Dr.B.A.M, University	Rs.20,000/-
2	A Major Research Project entitled “Study and Analysis of Biological Hormones and Their EffectonEEGsignalsfromBrain.”	UGC	Rs.9, 08,300/-
3	A Major Research Project entitled “Design and Development of Marathi Speech Interface Systems.”	DST	Rs13,02,000/-

4	A Major Research Project entitled “Design and development of Audio Speech synthesis (ASS) system for Marathi language.” November 2013.	DST-SERB	Rs 22, 99,200/-
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List of Completed M.Tech (By Research) Student

Sr.No	Name of Student	Research Topics	Status
1	Mr. Ashish Ingle	System Architecture for Designing Hume automation system.	Awarded
2	Ms. RupaliKasar	Data hiding for binary image using orthogonal embedding –A high capacity approach.	Awarded 2011
3	Ms. Chira Desai	A new method for generating digital signature scheme.	Awarded
4	Mr. KetanIngle	Stress Management using Biofeedback Device	Working
5	Ms. VidyaHuse	Fish Analysis	Working
6	Mr.TukaramDukare	Biometric Attendance System	Working

List of M.Phil. Student Successfully Guided

Sr.No	Name of Student	Research Topics	Status
1	VaishaliJadhav	Optimization of digital circuit diagram using genetic algorithm.	Awarded 2012
2	PradnyaKivande	Image Processing using Matlab.	Awarded
3	AnuyaAradhya	Image Processing using segmentation approach	Awarded
4	SwatiPujari	Image Processing using enhancement approach.	Awarded
5	Alka Punjabi	Speech Recognition using genetic algorithm.	Awarded
6	PallaviSalunke	Recognition of eye moment using FACS.	Awarded 2009
7	Suhas Mache	E learning for disabilities.	Awarded
8	RahulMhaske	E-Learning for Marathi Medium school.	Awarded 2009
9	Sunil Khillare	Analysis of gesture recognition of face.	Awarded 2012
10	AmolVibhute	Analysis & modeling of agriculture land using GIS technique in Padegoan region.	Awarded 2013
11	Ajay Nagne	Development of spatial information system for transportation planning of Aurangabad.	Awarded 2013

12	Monica Mundada	Recognition And classification of speech and its disorders.	Awarded 5 November 2014
13	VaishaliLokhande	FACS based emotion recognition from eyes using eigenvalue decomposition	Awarded 17 March 2015
14	ReenaChaudhari	Impact Evaluation of Hindi Accent on Indian Languages.	Awarded June 2015
15	KavitaWaghmare	Creation of Marathi Speech synthesizer using concatenation synthesis.	Awarded 28 June 2016
16	Ramdass Gore	Creation of Soil Spectral Library for Marathwada Using RS & GIS.	Awarded 28 June 2016
17	Deepali Chaudhary	Design and Modeling with Autodesk 3DS Max	Awarded 2 June 2018
18	AshwiniGopwad	Implementation of Emotive Epoch for Controlling Computer Interface	Working
19	Supriya Bulge	Marathi ASCII to Unicode Conversion	Working

List of Ph.D. Student Successfully Guided

Sr.No	Name of Student	Research Topics	Status
1	Dr.SantoshGaikwad	“Design and Development of Marathi Speech Interface Systems.”	Awarded June 2015
2	Dr. PriyankaAbhang	“Study and Analysis of Emotion Recognition using Speech and Brain Signals.”	Awarded Nov- 2015
3	Dr. Pritesh Shah	“Analysis of FMRI Data for Memory Dominance in Schizophrenic Subjects.”	Awarded 2016
4	Dr. BidoorNoori	“Design and Development of Arabic Speech Recognition Using Neural Networks.”	Awarded 2016
5	Dr. MohammedBasil	“Offline Signature cognition using neural Network.”	Awarded 2016
6	Dr. NayanaRatnaparkhi	“Analysis and Modeling of GIS for Urban Expansion District.”	Awarded 2016

7	Dr. Sangramsing Kayte	“Text to Speech Synthesis System for Marathi Language using concatenation technique”	Awarded 2017
8	Dr. Monica Mundada	“Hidden Markov Model based Speech Synthesis System for Marathi language”	Awarded 2017
9	Dr. Shashibala Rao	“Analysis of Pattern Recognition techniques for cognitive control applications using Emotive EPOC.”	Awarded 2017
10	Vaishali Lokhande	“Development and Analysis of Predictive Model for Human Personality Identification through Signature and Palm.”	Working
11	Mangesh Rege	“Detection of Leukemia in Human Blood Sample Through Image Processing.”	Working
12	Ganesh Ragade	“Analysis and Modelling of Drinking Water Utilities By Using GIS: Aurangabad City.”	Working
13	Vaishali Jadhav	“Real Time Identification System for Driver Drowsiness through Emotive EPOC.”	Working
14	Vijay S. Shirale	Analyzing Discrete Log Methods for Elliptical Curve Cryptosystems	Working

Book in Press:

Priyanka Abhang, Bharti Gawali, S.C. Mehrotra, “Introduction to EEG- and Speech-Based Emotion Recognition”, Elsevier Academic Press, eBook ISBN: 9780128045312, paperback ISBN: 9780128044902, March 2016.

I do hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief.

Date:

Place: Aurangabad.

Dr. Bharti W Gawali