

Curriculum Vitae

Bharti Wamanrao Gawali

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

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Personal Detail

Designation : Professor

Department of Computer Science & Information Technology

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S),

(0240) 2403316 0240-2403317(Fax).

<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 21 Years.

Educational Qualification (Post-Graduation onwards)

- B. Sc. from Dr. Babasaheb Ambedkar University, Aurangabad, in 1995, with First Division.
- M.Sc. (Computer Science) from Dr. Babasaheb Ambedkar 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. Babasaheb Ambedkar University, Aurangabad, in Feb 2007.

Position Held(in chronological order)			
Position Held	Organization	Period Nature	Nature of Work
Lecturer	Dept. of Computer Science & IT, Dr. B. A. M. University, A' bad.	2001 to 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)
Associate Professor	Dept. of Computer Science & IT, Dr. B A. M. University, A' bad.	March 2010 to 2013	Teaching & Research (PG Level)
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	
Head	Department of Computer Science and IT	19-08-2017 to 19-8-2020	
Director	Bajaj Incubation Center, Dr. B. A. M. University, A'bad.	24-08-2018 to 25-1-2019	
Coordinator Avishkar Cell	Dr. B. A. M. University, A'bad.	2013 to 2019	
Coordinator IQAC Cell	Dr. B. A. M. University, A'bad.	20-06-2018 to 20-06-2019	
ATAL (Atal Innovation Mission, NITI Aayog)	Dr. B. A. M. University, A'bad	16 August 2018 to January 2019	
Chairman of ADHOC Board	Dr. B. A. M. University, A' bad.	June 2017 to till date	
Member of School Council	Computer Science, Yashwantrao Chavan Maharashtra Open University, Nasik	June 2011 to till date	
University Swayam Coordinator MOOC	Dr. B. A. M. University, A'bad.	2014 till date	
Member of RRC Committee	Dr. B. A. M. University, A'bad	19-08-2017 to till date	
Nodel Officer of NEP	Dr. B. A. M. University, A'bad	Oct 2022 to till date	
Director of Deen Dayal Upadhyay KAUSHAL Kendra (DDUK)	Dr. B. A. M. University, A'bad	03-07-2021 to till date	

Director, Board of Examinations & Evaluation	Dr. B. A. M. University, A ⁷ bad	24-03-2023 to till date
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Responsibility towards Examination and Evaluation

1. Member of Examination and Paper Setting, paper assessment, Grievances for PG Computer science and IT, Since 2001
2. 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.
3. Director of University PG CAS (Science) March /April 2011-2012 held at Rajashri Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambedkar Marathwada University Aurangabad.
4. Member of 48 (5) C Committee for misconduct in examination and evaluation Since September 2022

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 Ramanand Teerth Maharashtra University, Nanded, during 27/01/2017.
2	Co-Ordinate of MOOC Swayam.

Workshop/Professional Training

1	Workshop on "Effective and Efficient preparation for SET Examination" organized by Dept. of CS and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from 17 th to 19 th January 2003.
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2	Workshop on “E-Education” organized by Dept. of CS and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 16th September 2004.
3	Workshop on “MATLAB 6.5 and 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. Babasaheb Ambedkar Marathwada University, Aurangabad on 7 th March 2006.
5	National Workshop on “Emerging Research Trends in Advanced Computing” organized by Dept. of Computer Science North Maharashtra University, Jalgaon (M.S.) from 14 th to 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 in “Winter School on Speech and Audio Processing 2010 (WISSAP 2010)” Conducted by IIT Mumbai, from 12th to 15th January 2010.
9	National Workshop on “Data Warehousing and Data Mining” organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 25 th -27 th Feb 2010.
10	Attended the workshop on “speech database collection” conducted by TIFR Mumbai, 19 th Feb 2011.
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. Babasaheb Ambedkar Marathwada University, Aurangabad.
12	Participated One Day workshop of One Day Workshop on “Integrating GeoSpatial Technology with e-Governance of an Indian District (IGST-2013)”, organized by Department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, on 19 th January 2013.
13	Attended Course/Training on “Advances in GIS” Organized by Department of Space, Indian Space Research Organization, National Remote Sensing Center Hyderabad during 6 th - 17 th July 2015.

14	Attended Course/Training on “Bhuvan Overview” Organized by Department of Space, Indian Space Research Organization, National Remote Sensing Center Hyderabad during 8 th – 9 th December 2015.
15	Participated in workshop on “LaTex”, organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 25/06/2016.
16	Participated in “University-Industry Interaction Summit 2016”, held at Dr. Babasaheb Ambedkar 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. Babasaheb Ambedkar Marathwada University, Aurangabad during 30/01/2018 to 31/01/2018.
19	Workshop on “Credit Based System At B.Sc. Level in Affiliated Colleges” organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 11 July 2009.
20	Workshop on “Awareness of Antiplagiarism Software” organized by Knowledge Resource Center (University Library), Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 12 th – 13 th Dec 2013.
21	Workshop on “E-Governance” organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.)-India and Directorate of Information Technology, Government of Maharashtra on 30 th July 2013.
22	Workshop on “Image Processing Techniques Using MATLAB 2012” organized by Department on M.Sc. Computer Science and Ajanta Prakashan, Dr. Rafiq Zakaria Campus Maulana Azad Collage of Arts, Science & Commerce, Aurangabad on 24 th Feb 2013.
23	Workshop on “Emerging Trends in GeoSpatial Technology for Smart City” Organized by Srinivasa Ramanujan GeoSpatial Chair,, Department of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 19 th – 20 th September 2014.

24	Participated in workshop on “LaTex for Project, Seminar, Thesis Typesetting”, organized by Department of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 5 March 2016.
25	National Workshop on “Role of Higher Education in New India” Jointly Organized by Vivekanand Arts, Sardar Dalipsingh Commerce and Science College, Aurangabad and Bhartiya Shikshan Mandal, Deogiri Prant on 20 th August 2019.
26	Workshop on “8th BCI2000” held at Utrecht, The Netherlands on during 18 th 19 th May 2011.
27	Participated in “Indian Neuroinformatics and Computational Neuroscience Summer Course 2012” Organized by the Indian National Node of Neuroinformatics (INNNI) and the Systems Science and Information Unit (SSIU), Indian Statistical Institute, Bangalore Centre, India during 4 th – 12 th June 2012.
28	Participated in “UGC Workshop on Academic Integrity Awareness” Organized by Computer Centre The Maharaja Sayajirao University of Baroda on 16 th August 2019.
29	Attended Workshop on “How to Create E- Content” organized by All India Council For Technical Education (AICTE) New Delhi at Jhulelal Institute of Technology, Nagpur on 27 th July 2018.
30	Attended Course on “Matsar-ghat Mukti” organized by Manashakti Lonawala during 15 th – 17 th June 2019.

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
6	3rd biennial International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2020)	International	3rd – 4th January 2020	Aurangabad (MS)India	Conference Chair
7	1st International Conference on Advances in Computer Vision and Artificial Intelligence Technologies (ACVAIT 2022)	International	1st – 2nd August 2022	Aurangabad (MS)India	Organizing Secretary
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 19/03/2012 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. Babasaheb Ambedkar Marathwada University, Aurangabad.
14	83 th Orientation course during 19/07/2010 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
15	84 th Orientation course during 23/08/2010 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
16	86 th Orientation course during 14/03/2011 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
17	Refresher course in Computer Science and Information technology during 12/03/2011 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
18	Refresher course in Computer Science during 6/03/2012 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
19	Special Summer school in IT during 23/07/2007 to 11/08/2008 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
20	91 th Orientation course during 19/03/2012 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
21	93 th Orientation course during 28/08/2012 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
22	95 th Orientation course during 15/12/2012 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

23	Special Summer school in IT during 24/07/2007 and 25/07/2008 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
24	Refresher course in Research methodology (Science discipline) during 16/01/2013 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
25	Refresher course in Physical Education during 15/03/2013 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
26	Refresher course in Library & Information Science/Journalism during 10/10/2013 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
27	Special Summer school during 24/06/2013 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
28	Refresher course in Disaster Management (ID) during 14/11/2013 organized by Academic staff college, Dr. Babasaheb Ambedkar 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. Babasaheb Ambedkar 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. Babasaheb Ambedkar Marathwada University, Aurangabad.
33	Refresher course in Women Studies (ID) during 10/03/2014 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
34	Delivered Lecture of higher Education in Vasantnao Naik Mahavidyalaya 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. Babasaheb Ambedkar Marathwada University, Aurangabad on 10/12/2015 on Pre-Ph.D. Course Work.
38	Delivered Lecture in ShriVaishnav Institution of Management college, Indor, Devi Ahilya University 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. Babasaheb Ambedkar Marathwada University, Aurangabad.
40	119 th Orientation course during 25/06/2018 to 21/07/2018 organized by UGC-Human Resource Development Center.
41	Special Summer school during 23/07/2012 to 11/08/2012 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
42	Refresher course in E-Governance & E-Learning during 20/11/2014 organized by Academic staff college, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
43	Refresher course in Computer Science and Information Technology during 24/12/2005 organized by University Grants Commission, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
44	Refresher course Library and Information Science/Journalism during 10/10/2013 organized by University Grants Commission, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Co-Curricular Activities

1	Coordinator for E-Learning Center established by Department of Adult continuing education and 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 CS and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
16	Warden of Girls hostel 02, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from 1 st July 2012 to till date.
17	Contribution as a Head, Department of Computer Science & IT during entire NAAC accreditation process in achieving "A" Grade with 3.22 CGPA to Dr. Babasaheb Ambedkar Marathwada University Aurangabad.
18	Member of Examination and Paper Setting, paper assessment, Grievances for PG Computer science and IT, Since 2001
19	Member of 48 (5) C Committee for misconduct in examination and evaluation Since September 2022

Area of Interest	
<p>Data compression, Speech Processing Human computer Interaction, Emotion Recognition, Signature Recognition, Brain Computer Interface, Remote sensing & GIS, Medical Image Processing.</p>	
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	“Shikshak Pratibha” award on 5th Sept. 2009 by Dept. of Mass communication and Journalism, Dr. Babasaheb Ambedkar 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 (Adarsh Shikshak Puraskar)” on 5 th Sept. 2014 - Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
Participated in Conference	
1	National conference on “Recent Trends in Information Communication Technology and Applications (RTICTE)” organized by Department of Computer Science, North Maharashtra University, Jalgaon duration 10 th to 11 th October 2002.
2	National conference on “Computer Communication and Security” organized by Dept. of CS and IT, Dr. Babasaheb Ambedkar Marathwada University, 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 center Thapar Institute of Engineering and Technology Patiala, Punjab. December 18-19, 2004
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-AITIS 2008 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, ACS 2010, 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. 07/11/2017
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.
18	Participated and presented paper in International Conference on Cognitive IoT with Big Data and Cloud (ICCIBC 2018) held during 25 th and 26 th October 2018 organized by School of Computing Science in association with Machine Intelligence and Data Analysis Research Center (MIDARC).

List of Publication

National Conferences

1	Coauthored for the research paper “Simulation of Commit Processing under Distributed Real Time Database System’ in National conference on Computer Communication and Security organized by Dept. of CS and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and Institute of Electronics and Telecommunication Engineers sub center Aurangabad from 4th to 5th January 2004.
2	Coauthored for the paper “Effective Approach for Developing OOD for Remote Designers uses UML, XML and Data Compression” National conference on IT-Wins 2004 organized by Computer center, Thapar Institute of Engineering and Technology Patiala, Punjab.
3	Coauthored for the paper “Status of IT in Business Management” 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.
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	Bharti Gawali, Chirac Atole, “A Cryptosystem For Remote Designers Of Object Oriented Software”, to be held in September 06. Paper Published in National Conference on Cryptography and Network Security (NCCNS 2006).
6	Bharti Gawali, Vrushabh Pawar, 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	Coauthored a paper “A New Approach to Cryptography” published in National Conference 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 by International journal of Computer Science, 7, 8 April 2012.
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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 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	P L Yannawar, G R Manza, B W Gawali, S C Mehrotra, "Detection of redundant frame in audio visual speech recognition using low level analysis", IEEE International Conference on Computational Intelligence and Computing Research, from 28-29 Dec 2010.
7	Bharti Gawali, Santosh Gaikwad, Pravin Yannawar, Suresh C. Mehrotra, "Marathi Isolated Word Recognition System Using MFCC AND DTW Features", International Conference on Advances in Computer Science ACS 2010, Trivandrum, Kerala, India.
8	Pravin Yannawar, Ganesh R Manza, Bharti W Gawali, Suresh C Mehrotra, "Incremental Difference as Feature for Lipreading", International Conference on Advances in Computer Science ACS 2010, Trivandrum, Kerala, India.
9	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.

10	Coauthored paper, "Extraction of Genetic Features using Speech Recognition", Published in International Conference on Knowledge Engineering (ICKE2011) organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, during 29-31 Jan 2011.
11	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.
12	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).
13	Santosh Gaikwad, Bharti Gawali, Suresh Mehrotra, "Creation of Marathi speech corpus for automatic speech recognition" Oriental COCOSDA held jointly with 2013 Conference on Asian Spoken Language Research and Evaluation (OCOCOSDA/CASLRE), 2013 International Conference Pages 1-5 Publisher IEEE.
14	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)
15	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].
16	M. V. Rege, B. W. Gawali, Santosh Gaikwad, "Automatic Leukemia Identification System Using Otsu Image Segmentation and 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.
17	Vaishali Lokhande, 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

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17	Bharti Gawali, Santosh Gaikwad, "Polly Clinic Inquiry System Using IVR In Marathi Language" Published in International Journal of Machine Intelligence ISSN: 0975-2927 & E-ISSN: 0975-9166, Vol. 3, Issue 3, pp. 142-145, 2011.
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29	Amol D Vibhute, Bharti W Gawali, "Analysis and Modeling of Agricultural Land use using Remote Sensing and Geographic Information System: a Review", International Journal of Engineering Research and Applications (IJERA), Vol. 3 Issue 3, pp. 081-091, May-Jun 2013, ISSN 2229-5518, Impact Factor: 6.465.
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33	Monica Mundada, Bharti Gawali, "A review on analysis of factors influencing speech and its disorders", in ERCICA, Bangalore. Elsevier publication, 2013.
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95	Sulochana Shejul, Pravin Dhole, Vijay Dhangar, and Bharti Gawali, “Crop Health Analysis with the Help of Soil Parameters by Using ASDFieldspec4 Spectroradiometer”, InInternational Conference on Applications of Machine Intelligence and Data Analytics (ICAMIDA 2022) 2023 May 1 (pp. 415-430). Atlantis Press.
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97	Deepali Gajanan Chaudhary and Dr. Bharti Wamanrao Gawali, “Investigate Brain Dominance with the help of EEG Signal Processing”, European Chemical Bulletin, Vol. 12, Issue 10, pp. 3718-3728, July 2023 – Scopus Q3 Indexed Journal.
98	Swapnali A. Cahudhari and Dr. Bharti W. Gawali, Investigation of Computational Techniques for Classification of EEG Data. Status: Communicated
99	Robin Athawale, Ramdas Gore, and Bharti Gawali. “Hyperspectral Imaging for Seed Viability”, International Journal of Artificial Intelligence and Application (In Proceeding)
100	Ramdas Gore, Deepak Pachpatte, and Bharti Gawali. “Analysis of Weather Parameters of Marathwada Region using Interpolation Methods”, International Journal of Artificial Intelligence and Application (In Proceeding)
101	Ramdas Gore, and Bharti Gawali. “Analysis of Weather Parameters Using Machine Learning”, ATLANTIS Press (part of Springer Nature Group) (In Proceeding)
102	SM, Ramdas Gore, Bharti Gawali, Ramesh Manza, Sudhir Mehdekar. “Identification of Skin Disease using Machine Learning”, ATLANTIS Press (part of Springer Nature Group) (In Proceeding)

Book Published

1	Priyanka Abahang, Bharti Gawali, S. C. Mehrotra, “Introduction to EEG- and Speech-Based Emotion Recognition”, Elsevier Academic Press, eBook ISBN: 9780128045312, paperback ISBN: 9780128044902, March 2016 ((PDF) Introduction to EEG- and Speech-Based Emotion Recognition, 1st Edition (researchgate.net)).
2	K C Santosh and Bharti Gawali, “International Conference on Recent Trade in Image Processing and Pattern Recognition”, Springer, ISBN: 978-981-16-0507-9, Dec 2021. (https://link.springer.com/book/10.1007/978-981-16-0507-9).
3	Bharti Gawali, Advances in Computer Vision and Artificial Intelligence Technologies (ACVITE), Springer 2022, In Process.

Chapters in the Book

1	Gawali Bharti, Mehrotra Suresh, “Extraction of Genetic Features using Speech Recognition”, Knowledge Engineering, Narosa Publishing House, New Delhi, ISBN: 978-81-8487-123-4, pp. 123-128, Jan 2011.
2	Deore Rakesh, 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
4	Santosh Kashinath Gaikwad, Dr. Bharti W Gawali, Suresh Mehrotra, "Design and development of Marathi speech interface system", Advanced Computing and Systems for Security-Resource Management in Native Languages Using Dynamic Binary Instrumentation- Springer, Published in ACSS 2015.
5	Ramesh R Manza, Bharti W Gawali, Pravin Yannawar, KC Santosh, "Detection and Classification of Non-Proliferative Diabetic Retinopathy Lesions", Artificial Intelligence, Image Recognition, and Machine Learning Techniques in Medical Imaging, Publisher CRC Press, pp. 96-130, Aug 2019.
6	Ramdas Gore, MS and Bharti Gawali. "Climate Smart Agriculture Analysis of Soil Properties and Weather Parameter Using Artificial Intelligence and Machine Learning", in Book Title: Artificial Intelligence and Machine Learning for Business, CRS Press, Taylor & Francis, USA. (Accepted in Scopus)

Patent

Sr. No	Title of Patent	Status
1	System For Thought Based Communication, India-Patent, 201621005217.	Under Examination
2	Computer Aided Diagnosis System For Skin Disease Identification, 202421019840.	Under Examination

Research Projects Completed/Ongoing

Sr. No	Name of Project	funded by	During To	Total Grants	Status
1	Minor Research Project on "Design of Marathi Speech Database for Marathwada Region."	Dr. B. A. M., University	13 Aug 2009 to 13 Aug 2010	Rs.20,000/-	Completed

2	A Major Research Project entitled "Study and Analysis of Biological Hormones and Their Effect on EEG signals from Brain."	UGC	1 Feb 2010 to 1 Feb 2013	Rs.9,08,300/-	Completed
3	A Major Research Project entitled "Design and Development of Marathi Speech Interface Systems".	DST	27 Aug 2010 to 27 Aug 2013	Rs. 13,02,000/-	Completed
4	A Major Research Project entitled "Design and development of Audio Speech synthesis (ASS) system for Marathi language." November 2013.	DST-SERB	4 Nov 2013 to 20 June 2017	Rs. 22,99,200/-	Completed
5	A Major Research Project entitled "Establishment of Science Technology and Innovation Hub for Empowerment of SC/ST Populations" Activity-2 CSTURI	DST-SEED STI Hub	29 March 2019 to 30 June 2022	Rs. 2,61,86,209/-	Completed
6	Minor Research Project entitled "Development of Rainfall prediction model for Marathwada Region"	University Dr. B.A.M.U Aurangabad	13 June 2019 to Sep 2022	Rs. 2,00,000 /-	Completed

List of M. Tech. Student

Sr. No	Name of Student	Research Topics	Status
1	Mr. Ashish Ingle	System Architecture for Designing Hume automation system.	Awarded
2	Ms. Rupali Kasar	Data hiding for binary image using orthogonal embedding –A high capacity approach.	Awarded

3	Ms. Chira Desai	A new method for generating digital signature scheme.	Awarded
4	Ms. Vidya Huse	Recognition and identification of fish through pattern recognition technique	Awarded
5	Mr. Tukaram Dukare	Biometric Attendance System	Working
6	Mr. Ketan Ingale	Stress Management using Biofeedback Device	Working

List of M.Phil. Student Guided

Sr. No	Name of Student	Research Topics	Status
1	Vaishali Jadhav	Optimization of digital circuit diagram using genetic algorithm.	Awarded 2012
2	Pradnya Kivande	Image Processing using Matlab.	Awarded
3	Anuya Aradhya	Image Processing using segmentation approach	Awarded
4	Swati Pujari	Image Processing using enhancement approach.	Awarded
5	Alka Punjabi	Speech Recognition using genetic algorithm.	Awarded
6	Pallavi Salunke	Recognition of eye moment using FACS.	Awarded 2009
7	Suhas Mache	E learning for disabilities.	Awarded
8	Rahul Mhaske	E-Learning for Marathi Medium school.	Awarded 2009
9	Sunil Khillare	Analysis of gesture recognition of face.	Awarded 2012
10	Amol Vibhute	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	Vaishali Lokhande	FACS based emotion recognition from eyes using eigenvalue decomposition	Awarded 17 March 2015
14	Reena Chaudhari	Impact Evaluation of Hindi Accent on Indian Languages.	Awarded June 2015

15	Kavita Waghmare	Creation of Marathi Speech synthesizer using concatenation synthesis.	Awarded 28 June 2016
16	Ramdas 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	Komal Ankushe	Marathi Speech Analysis for Special Students	Awarded 13 October 2022
19	Pravin Dhole	Identification of Harmful Artificial Ingredients in Medicines (Solid Tablets) using Hyperspectral Imaging	Awarded 2023
20	Sulochana Shejul	Crop Area estimation using remote sensing data	Awarded 2023
21	Robin Athawale	Analysis of Seed Viability Using Hyperspectral Imaging	Awarded 2023
22	Amrapali Waghmare	Digitization of Medicinal Plants in Gautala Autram Ghat with Quick Response Code	Working

List of Ph.D. Student Guided

Sr. No	Name of Student	Research Topics	Status
1	Dr. Santosh Gaikwad	“Design and Development of Marathi Speech Interface Systems”	Awarded 16 June 2015
2	Dr. Priyanka Abhang	“Study and Analysis of Emotion Recognition using Speech and Brain Signals”	Awarded 07 Nov 2015
3	Dr. Pritesh Shah	“Analysis of FMRI Data for Memory Dominance in Schizophrenic Subjects”	Awarded 30 Nov 2016
4	Dr. Bidoor Noori	“Design and Development of Arabic Speech Recognition Using Neural Networks”	Awarded 20 Feb 2016
5	Dr. Mohammed Basil	“Offline Signature cognition using neural Network”	Awarded 17 Feb 2016
6	Dr. Nayana Ratnaparkhi	“Analysis and Modeling of GIS for Urban Expansion District”	Awarded 21 Oct 2016

7	Dr. Sangramsing Kayte	“Text to Speech Synthesis System for Marathi Language using concatenation technique”	Awarded 12 Oct 2017
8	Dr. Monica Mundada	“Hidden Markov Model based Speech Synthesis System for Marathi language”	Awarded 9 Dec 2017
9	Dr. Shashibala Rao	“Analysis of Pattern Recognition techniques for cognitive control applications using Emotive EPOC”	Awarded 30 Nov 2017
10	Vaishali Lokhande	“Development and Analysis of Predictive Model for Human Personality Identification through Signature and Palm”	Awarded Oct 2019
11	Mangesh Rege	“Detection of Leukemia in Human Blood Sample Through Image Processing”	Awarded Oct 2019
12	Vilas Shivaji Gaikwad	A Novel approach of classification for Intraductal Breast Lesion Using Histopathological Image analysis	Awarded 2020
13	Eman Ahmed Ahmed A Shari	“Design and Development of Classification System for Land use Land Cover Mapping for SANA’A of Yemen using Remote Sensing & GIS”	Awarded 2024
14	Minakshi Sonawane	“Computer-Aided Diagnosis System for Skin Disease”	Awarded 2024
15	Ramdas Gore	“Climate-Smart Agriculture for Marathwada Region Using Remote Sensing and GIS”	Awarded 2024
16	Swapnali Waghule	“Design and EEG based Neurofeedback System for ADHD”	Working
17	Suhas Babasaheb Kale	“Analytical Study Of River Network Model From Satellite Images”	Working
18	Ganesh Ragade	“Analysis and Modelling of Drinking Water Utilities By Using GIS: Aurangabad City”	Working
19	Deepali Chaudhary	“Analysis of Neurocognition and Brain Dominance through EEG Signal Processing”	Working
20	Abdulnaser Ali Mohammed Hagar	“Big Data Analytic For Addressing Challenges in Attack Detection System”	Working

21	Hanam Mohammed Ebraheem Mohammed Morad	“Data Mining for library Service Improvement”	Working
22	Vijay S. Shirale	“Analyzing Discrete Log Methods for Elliptical Curve Cryptosystems”	Working
23	Reena Chaudhari	“Delineation and Inception of Village Information System for Marathwada Region”	Working
24	Kavita Waghmare	“Design and Development of Automatic Speaker System using Deep Learning Approach”	Working
25	Jyoti Kokate	“Design and Implementation of Spell Checker for Marathi Language”	Working
26	Vijay Dhangar	“Design and Creation of Adulteration Detection System for food products using Hyperspectral Imaging Techniques”	Working
27	Pravin Dhole	“EEG Signal Based Classification of Imagined Marathi Text Using Machine Learning Techniques”	Working
28	Sulochana Shejul	“Design and development of IOT enabled alarm system for human safety”	Working
29	Robin Athawale	“Analysis of watershed expansion and land change for Paithan Village using RS and GIS”	Working

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: Chhatrapati Sambhajnagar.

Dr. Bharti W Gawali