Curriculum Vitae

Name : Dr.Vaishali D. Bhagile (Shinde)

Address: H . N o . 1 / 7 / 6 8 , Shinde Galli ,Near Makhbara Road, Begumpura.Chhatrapati Sambhaji Nagar

E-mail: vaishali.bhagile@mit.asia,vaishalibhagileshinde@gmail.com

Mobile: +9420250203,9325207000

Date of Birth: : 28.04.1980

Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
Ph. D.	AI & Pattern Recognition	MIT, Aurangabad	Dr. BAMU, Abad	2009	Awarded	Awarded
M.C.A	Computer Applications	Dr. BAMU, Abad	Dr. BAMU, Abad	2017	60.08	First
MCM	Computer Management	Vivekanand College	Dr. BAMU, Abad	2003	68.57	First
BCM	Computer Management	Vivekanand College	Dr. BAMU, Abad	2000	67.08	First

Key Research Areas:

University/Institution	Post	From	To	Total (in years and Months)
Department of Computer Applications ,MIT,CSN	Assistant Professor	17 Oct 2023	Till Date	1 Year 6Month
Department of CS,IT and Animation,Deogiri College ,Aurangabad	Lecturer for P.G	23 November 2021	16 October 2023	1 year
M.S.P.Mandal's Deogiri Institute of Technology & Management Studies. Aurangabad.	Assistant professor & Head of BCA [Ref.No. DITMS/2014-15/28]	13 January 2014	23 November 2021	07 years, 10 months, 10 days
M.S.P.Mandal's Shiv Chhatrapati Arts,Science &Commerce College, Aurangabad	Assistant professor For UG Level [Ref.No.ACAD/AFFIL/ SELE.COMMI./SNM/2011-2012/35103-25]	1 1 January 2012	11 January 2014	02 years, 00 months, 01 days
M.S.P.Mandal's Deogiri Institute of Technology & Management Studies. Aurangabad.	Assistant professor & Head of BCA	10 August 2010	10 January 2012	01 years, 05 months, 01 days
Sayali Charitable Trust's College of Computer Science & Information Technology Aurangabad	Lecturer for U.G [Ref.No.ACAD/AFFIL/ SELE.COMMI./PGT/2008-2009/26978-81]	2 August 2009	9 August 2010	1 year ,7 days
CSIT Department Dr.Babasaheb Ambedkar MarathwadaUniversity,Aurangabad	Lecturer [Ref.No. CSIT/2008/643]	21 January 2009	1 August 2009	6 Months 12 days
CSIT Department Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	Lecturer [Ref.No. CSIT/2008/643]	15 June 2007	3 November 2008	1 year 4 months 19 days
Total Experience				15 Years ,2Months ,20 days

List of Courses Taught/Teaching at UG level

- Information Technology

- Programming in C

- Basic of Web Technology

- Java Programming

- Data Structures , System Analysis of Design, Software Engineering

- Computer Networking

- Office Automation

- DBMS

List of Courses Taught/Teaching at PG level

- Data Structures

- Data Warehousing & Data Mining

- Advance of Web Technology

- Core Java

- Advanced Java

- Software Engineering & Testing

- Cloud Computing

Additional Assignments/Duties

- Working as Research Coordinator

- Working as a BCA Admission Coordinator.

- Working as a Center Dr. BAMU Research Guide.

- Working as a Departmental Student Development Coordinator.

- Working as a Departmental IIC Coordinator.

- Working as a Center Dr. BAMU BOS Member

- Worked as a Class Teacher.

- Worked as Organizing committee member of One day Workshop .

- Worked as organizing committee member of International Conference.

Membership of Professional Bodies

Sr.No	Name of activity	Duration	Achivemnt
1.	Member of college website development committee	2010-2022	Completed Successfully
2.	Planning & Development Committee of the College	2010-2021	Completed Successfully
3.	Anti-Raging Committee Member	2010-2021	Completed Successfully
4.	Teaching learning & Evaluation Committee (NAAC) of the College.	2018-2021	Completed Successfully
5.	Member of e2de cell, Syllabus Development	2018-2021	Completed Successfully
6.	Member of ViShakha Samiti Cell	2014-2021	Completed Successfully
7.	Supervision Committee of College	2015-2021	Completed Successfully
8.	Admission Committee Member	2010-2021	Completed Successfully
9.	Member Academic Planning Board	2010-2021	Completed Successfully

Research Projects/Projects Guided (Phd Research Guide)

Awarded : 2(PhD 2 Students Awarded) + Working: 3

Sr. No	Name of scholar	Research Topic	Date of Registration	Name of supervisor	Status
1	Shital S. Joshi	"Marathi Speech Recognition Using LPC & ANN"	July 2017	Dr.Vaishali D.Bhagile	Awarded
2	Rashmi R. Nitwane	"Development of Advance Agricultural Drought Indices Using Remote Sensing Technology "	June 2018	Dr.Vaishali D.Bhagile	Thesis Submitted
3	Pradhan K.Pallavi	"The Use of Cloud Computing for a Cloud Base Health Care Application Services System in Marathwada Region"	Feb 2019	Dr.Vaishali D.Bhagile	Ongoing
4	Satish V. Kanthale	"The Analysis of Drought Condition of Jalna Tehsil using Remote Sensing & GIS"	March2019	Dr.Vaishali D.Bhagile	Ongoing
5	Ibraheam Ismail	IOT Based Machine learning Technique for Healthcare Application	Feb 2019	Dr.Vaishali D.Bhagile	Awarded

Computer/Software Proficiency

- C, Java ,Java EE
- Python
- PHP MySql

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

1. participated 5 Day's Online International Level Faculty Development Program on Data Science using Machine Learning organized by Pravara Rural Engineering College in Collaboration with ExcelR CEO, ExcelR Solutions Date: 2nd January 2023 to 6th January 2023

2. Selection into AICTE's –ATAL one weak Online FDP on "Life Skills for self-Discovery, Competency & Productivity organized by UGCHRDC Sant Gadge Baba Amravati University, Amravati. August 09-13,2021

3. Selection into AICTE's –ATAL one weak Online FDP on "GIS & Remote Sensing and its Applications organized by Punjab Remote Sensing Center, Ludhiana. June 07-11,2021

4. Selection into AICTE's -ATAL one weak Online FDP on "Quantum Artificial Intelligence" the cutting edge technology! During 24 - 28 May 2021.at IIIT Pune.

5. Selection into AICTE's -ATAL one weak Online FDP – "Animation Film Making (Elementary)" scheduled from 17-21 May 2021.at FTII Pune.

6. Selection into Infosys FDP at Infosys Campus Pune for Faculty Development Program for "Global Business Foundation Skills", a CSR initiative conducted by Infosys BPM Ltd.at Pune from 20th August to 28th August 2019.

7. Online Webinar on "Cloud Technology & Information Security and It's Future Opportunities"
Organized by Department of CS, IT & Animation, Deogiri College, Aurangabad in association with Department of Robotics & Cloud Technology, RTMNU Nagpur, MS.On January 25, 2023

8. Recent Advancement in Information & Communication Technology - on 29 December 2020.
conducted by Department of Computer science & IT. Dr Babasaheb Ambedkar Marathwada University Aurangabad.

9. Online Webinar on "Next Generation Software Tools & Trends For industrial Solutions" 13th to 17th June 2020 conducted by Department of Computer science & IT. Dr Babasaheb Ambedkar Marathwada University Aurangabad.

10. Refresher Course on " Recent Trends in Computer Science & Engineering : Refreshing the Young Minds" held at Guru Nanak Dev Engineering College, Mailoor Road, Bidar Karnataka ,India from 10th March to 22nd March 2014.

11. "National workshop on Microwave Remote Sensing organized by Srinivasa RamanuJan   Geospatial Chair ,Department of Computer science & IT. Dr Babasaheb Ambedkar Marathwada University Aurangabad. Held during January 22nd to 24th ,2014.

12. e-Governance workshop 2013 organized by Dr Babasaheb Ambedkar Marathwada University Aurangabad.(MS) – India and Directorate of Information Technology ,Government o Maharashtra on 30thJuly 2013.

13. "One day workshop on Integrating GeoSpatial Technology with e_Governance of an Indian District" (IGST-2013) 19 th January 2013 atDepartment of Computer science & IT. Dr Babasaheb Ambedkar Marathwada University Aurangabad.

14. "National workshop onCOMPUTATIONAL NEUROSCIENCE "(CNS 2010) 26thJuly to 31st 2010 at GuruNanakDevEngineeringCollege, Mailoor Road, Bidar Karnataka ,India

15. "National workshop on Data Mining & Data warehousing" (NWDWDM-2010)25thFebruary to 28th February at Department of CS& IT. Dr BAMU.

16. "Emerging Research Trends in Advanced computing (ERTAC-2007)"during 14 th -15 thJuly, 2007 at North Maharashtra University, Jalgaon (M.S.).

17. "National workshop on intelligent systems (IS-2007)"held during 02-06 July,Hindu college of engineering sonepat (Haryana)

18. "Embedded system & its application" held on 7 th March 2006. At Department of Computer science & IT. Dr Babasaheb Ambedkar Marathwada University Aurangabad.

19. "Training program on Wavelets & Advanced Wavelets" conducted during 31stJanuary to 2ndFebruary 2006. At Government College of Engineering, Aurangabad.

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized

1) Conducted workshop for lecturer at Marathwada Shikshan Prasarak Mandal,Deogiri Institute for Computer & Management Study, Aurangabad. On "Effective Teaching in Management Science" dated 21 st Nov 2011.

2) Conducted workshop for lecturer at Marathwada Shikshan Prasarak Mandal, Deogiri Institute for Computer & Management Study, Aurangabad. On "Effective Teaching in Management Science" dated 21 st Nov 2010.

3) Conducted Seminar for BCA Student at Marathwada Shikshan Prasarak Mandal, Deogiri Institute for Computer & Management Study, Aurangabad. On "Cyber Security" dated 21 st Nov 2011.

4) Conducted Session on "Mental Peace" dated on 23 April 2024,12:30 pm , Department of Computer Application MIT CSN

5) Conducted Institutes Innovation Council A Report on One Day Session on "Field Visit to Pre-Incubation Unit" Dated 22-2-2025

6) Conducted One Day Workshop on Advanced Java Technology for FYMCA Second Semester Student Dated 25-3-2025 Department of Computer Application MIT CSN

List of Research Publications

Papers in National/ International Journal

1. "**Speech Segmentation Using Speech Dilation**". Joshi S. S. & Dr. Vaishali D. Bhagile. International Conference on Innovations and Trends in Computing (ICITC-2021). Presented on 26-27 February 2021. Published in The Journal of Oriental Research Madras. ISSN :0022-3301. March 2021. (**UGC CARE Listed)**

2. **"Drought Monitoring & Changes in the Vegetation cover of Aurangabad Region, Maharashtra over last two decades: A Comparative study of Remote sensing Indices VCI and SVI using time series MODIS data product MOD13Q6"** Corresponding Author: Mrs. RashmiKumaria Rajeev Nitwane Co-Authors: Dr.Vaishali Dattaray Bhagile, PhD; Ratnadeep R Deshmukh, PhDManuscript Number: RSE-D-22-02021Journal: Remote Sensing of Environment(under process)

3. "**ECG image digitization and QRS detection using Pan-Tompkins**" Ibraheam.Y.I. Fathail, Dr. Vaishali D. Bhagile. Journal of Healthcare Engineering Scopus (Q1)(Under process)

4. "**ECG paper digitization and R peaks detection using FFT**" Ibraheam.Y.I. Fathail,Dr. Vaishali D. Bhagile Applied Computational Intelligence and Soft ComputingScopus (Q1)(Accepted)

5. **"Drought Assessment &Monitoring Methods : AReview"** SatishV.Kanthale ,Dr. Vaishali D. Bhagile. THE JOURNAL OF ORIENTAL RESEARCH MADRAS ISSN : 0022-3301.March2021.

6. "**Noise Reduction By Spectral Subtraction for Speech Recognition**". Joshi S. S., Dr. Vaishali D. Bhagile (June 30, 2020). In Journal of Emerging Technologies and Innovative Research (JETIR) ISSN:2349-5162 UGC Approved (Journal No:63975) & 5.87 Impact Factor in Volume 7 Issue 6

7. "**The Design and Development of Marathi Speech Corpus from Native and Non-native Speakers**". Joshi, S. S., Dr. Vaishali D. Bhagile (January 11, 2020). In Applied Computer Vision and Image Processing (pp. 121-127). Springer, Singapore. (Scopus)

8. "**Native And Non-Native Marathi Numerals Recognition Using LPC And ANN**". Joshi S. S. & Dr. Vaishali D. Bhagile 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2020). (IEEE Xplore)(Scopus)

9. "**A Review on Marathi Speech Recognition**". Joshi, S. S., Bhagile, V. D., & Deshmukh, R. R. (May 18, 2019). Proceedings of International Conference on Communication and Information Processing (ICCIP) 2019. Available at Elsevier SSRN https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3419224. (ELSEVIER)

10. **"S.M.A.R.T. Solution for Drought PredictioManagement"**,RashmiR.Nitwane,VaishaliD.Bhagile in International Education and Research Journal-IERJ (E-ISSN : 2454-9916) in february2018 issue. The Journal is been indexed with all the leading International Directories and has an Impact factor of 4.064 by SJIF ,Morocco.

11. **"Monitoring Vegetation Canopy of Maharashtra Using Remote Sensing",**Rashmi R.Nitwane,Vaishali D.Bhagile IBMRD'S Journal of Management and Research ,Print ISSN:2277-7830 Volume-3, Issue-1,March 2014.

12. "**Expert System for Diagnosis and Appropriate Medical Prescription of Heart Disease Using Radial Basis Function",** Shaikh Abdul Hannan, V.D. Bhagile, R. R. Manza and R.J. Ramteke CiiT International Journal of ArtificialI intelligent Systems and Machine Learning, August 2010, ISSN 0974–9667 & Online: ISSN 0974–9543.

13. **"Development of an Expert System for Diagnosis and appropriate MedicalPrescription of Heart Disease Using Support Vector Machine and Radial Basis Function",** International Journal of Computer Science and InformationSecurity",Shaikh Abdul Hannan, V. D. Bhagile, R. R. Manza, R. J. Ramteke,"(IJCSIS) August issue (Vol. 8 No. 5), 2010, Pages/record No.: 245-254. **ISSN**: 19475500

14. "**Diagnosis and Medical Prescription of Heart Disease Using Support Vector Machine and Feed forward Back propagation technique**", Shaikh Abdul Hannan, V. D. Bhagile, R. R. Manza, R. J. Ramteke, INTERNATIONAL JOURNAL ON COMPUTER SCIENCE AND ENGINEERING,ISSN: 0975–3397, Engg. Journals Publications,IJCSE – August 2010, Vol. 2, Issue 6.

15. **"On line Character Recognition System for Multi-Font Character"** V.D.Bhagile,A.D.Mishra,S.C. Mehrotra in CiiT-March 2010. Coimbatore Institute of Information Technology International Journals of Digital Signal Processing Coimbatore Institute of Information Technology,#16, Ist Floor, Sathyamoorthy Road, Ramnagar, Coimbatore - 641009. Tamilnadu, India. Tel/Fax : (+91) 422 - 4377821 . (**http://www.ciitresearch.org**)

16. **"Effect of Normalized Scale on Design of RectangularMicrostrip Antenna by using FFBP"** Abhilasha Mishra[1], Vaishali Bhagile[2], Smita Kasar[3], P.M.Patil[4] in (IJCSE) International Journal on Computer Science and Engineering Vol. 02, No. 03, 2010, 626-629 see volume 2 issue 3 paper no. 32http://www.enggjournals.com/ijcse/issue.html?issue=20100203,http://www.enggjournals.com/ijcse/doc/IJCSE10-02-03-55.pdf

17. **"A comparative study of Design of Square and Rectangular Microstrip Patch Antenna by using FFBP and RBF techniques of ANN"** Abhilasha Mishra, V.D.Bhagile, P.M.Patilin IJCE International Journal of Computer Engineering, July-Dec 2009 International Journal of Computer Engineering-ISSN: 0975-6116 , SERIALS PUBLICATIONS,4830\24, Ansari Road, Darya Ganj,New Delhi – 110 002

Chapters Published in Books:

1) Machine Learning Tools and Techniques for Prediction of Droughts. Rashmi Nitwane,Vaishali D.Bhagile and R.R.Deshmukh,5th World Congress on Disaster Management: Volume II.September21,2022.

Papers in International Conferences Proceedings

1) "**Metrological Drought Index Computation of Jalna Tehsil (Maharashtra) Using Standardized Precipitation Index**", Satish Kanthale and Dr. Vaishali Bhagile. ICAMIDA 2022 International Conference on Applications of Machine Intelligence and Data Analytics 2022

2) **"Drought Monitoring & Changes in the Vegetation cover of Aurangabad Region, Maharashtra over last two decades: A Comparative study of Remote sensing Indices VCI and SVI using time series MODIS data productMOD13Q6"** Rashmi Nitwane, Dr. Vaishali.D. Bhagile, Dr. Ratnadeep Deshmukh in ICAMIDA 2022 InternationalConferenceon Applications of Machine Intelligence and Data Analytics 2022

3) **"Gestational Diabetes Prediction Using Machine Learning Algorithms".** Ibraheam.Y.I. Fathail, Dr. Vaishali D. Bhagile. (2022). In Proceedings of Third International Conference on Sustainable Computing (pp. 53-63). **Springer**, Singapore.

4) "**IoT Based Machine Learning Techniques for Healthcare Applications**". Fathail, I., & Bhagile, V. D. (2020, October). International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC) (pp. 248-252). **IEEE.**

5) **"Comparison of machine learning algorithms and Neural Network for breast cancer prediction."** Ibraheam.Y.I. Fathail, Dr. Vaishali D. Bhagile. 3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology", (**Springer**) **under process for publish** (**Scopus**)

6) "**Asthma Detection System: Machine and Deep Learning-Based Techniques**." Ibraheam.Y.I. Fathail, Dr. Vaishali D. Bhagile. 3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology", **Springer under process for publish**. (**Scopus**)

7) **"Twenty Years of Assessment of Drought conditions over the Gangapur Region of Aurangabad District in Maharashtra (India) Using Remote sensing Indices."** Rashmi Nitwane, Dr. Vaishali.D. Bhagile, Dr. Ratnadeep Deshmukh in 2nd International Conference on Deep Learning, Artificial Intelligence and Robotics, (ICDLAIR)2020 in University of Salerno, Italy on date 07 – 18 December 2020 Proceedings to be published in Springer LNNS.

8) **"Trend Analysis of Meteorological Index SPI using statistical and Machine learning Models over the region of Marathwada",** Rashmi Nitwane, Dr. Vaishali.D. Bhagile, Dr. Ratnadeep Deshmukh in 2nd International conference on Artificial Intelligence and Speech Technology (AIST 2020) organized by Indira Gandhi Delhi Technical University for Women (IGDTUW)on 19th -20th November 2020 in Virtual mode. Proceedings published in Taylor and Francis with ISBN: 9781003150664 (E-ISBN)

9) **"Recent Advances in Drought Index Development: Tools and Techniques"** Rashmi Nitwane, Dr. Vaishali D Bhagile, Dr. Ratnadeep Deshmukh in All Russian Scientific and technical conference with international participation (ComTech2020), Southern Federal University, Rostov-On-Don-Taganrog, Russia, June 2020. Virtual

Conference held in Institute of Radio Engineering Systems and Control, Southern Federal University Russia, on date 16-18th June 2020.Proceeding published in volume (1) "Computer and Information Technologies in Science, Engineering and Management" ISBN 978-5-9275-35556-9(T.1), ISBN 978-5-9275-3555-2

10) **"Comparative Study of Radar and Lidar with Respect to Vegetation Monitoring".** Rashmi Nitwane, Dr. Vaishali D. Bhagile in International Pre-Science Congress Conference in Dept of Computer Science & Information Technology at Dr. Babasaheb Ambedkar Marathwada University Aurangabad. on date 30-31 dec,2014.

11) **"The Use of Hyper Spectral Remote Sensing in Detection of Underwater Volcanoes".** Rashmi Nitwane, Dr. Vaishali D. Bhagile in ISRS proceedings papers of sort interactive sessions, ISPRS Technical Commission VIII International Symposium on "Operational Remote Sensing Applications: Opportunities, Progress and Challenges" 9-12 December 2014. At The Park Hotel Hyderabad, INDIA.

12) **"Monitoring Vegetation Canopy of Maharashtra Using Remote Sensing",** Rashmi R. Nitwane, Dr. Vaishali D. Bhagile in International conference on Trends in Information Technology September 2013.At Padmashri Dr. Vithalrao Vikhe Patil Foundation IBMRD Ahmednagar.

13) **"GIS And Remote Sensing Application for Agricultural Drought"** Rashmi R. Nitwane, Vaishali P. Kadam, Dr. Vaishali D. Bhagile. At International Conference on Current Trends & Challenges in Management, Engineering, Computer Application & Technology (ICCTCMECAT-2013) 23- 24 March 2013.Deogiri Institute of Engineering & Management Studies, Aurangabad. Published in IJAMTES journal pg.no. 134- 137, ISSN:2249-7455 Vol.II, Issue6(VI), March 2013

14) **"Design of Square and Rectangular Microstrip Antenna with the use of FFBP algorithm of Artificial Neural Network"**, Abhilasha Mishra, A.B.Nandgaonkar, V.D.Bhagile, S. C. Mehrotra, P.M.Patil presented at IEEE Applied ElectroMagnetic Conference (AEMC 2009), Kolkata, West Bengal,14th Dec 2009.***IEEE Details***: Publication Date: 14-16 Dec.2009 On page(s): 1-4Location: Kolkata (West Bengal),**Print ISBN:** 978-1-4244-4818-**Digital Object** *Identifier***:** 10.1109/AEMC.2009.5430689 **Current Version Published:** 15March2010 http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5430689

15) "**English numeral classification using skeleton method**".Vaishali Bhagile, S.C.Mehrotrapresent at UGC Sponsored National Conference on RECENT TRENDS IN INFORMATION TECHNOLOGY (RTIT-2009)-04th – 05th September 2009.ORGANIZED by GovernmentCollege (Autonomous), Mandya-571 401(Karnataka)

16) "**A High Speed Design of Rectangular and Square Shape MSA for Higher Accuracy through RBF of ANN**", A.D.Mishra,V.D.Bhagile,G.B.Janvale,S.C.Mehrotra present at IEEE-MTTS International Conference on Microwave 21st-24th November 2008. University of Rajasthan, Jaipur. *IEEE Details*: Publication Date: 21-24 Nov. 2008 On page(s): 671-675 Location: Jaipur, ISBN: 978-1-4244-2690-4 INSPEC Accession Number: 10468987 Digital Object Identifier: 10.1109/AMTA.2008.4762988 CurrentVersionPublished:2009-01-27 http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=4762988

17) "**Calculation of resonant frequency of square and rectangular Microstrip Patch Antenna: A comparative study of results from FFBP and RBF techniques of ANN**",Abhilasha Mishra, Vaishali Bhagile, Shubhangi Sapkal, S.C.Mehrotra.Present at IEEE-GRSS International Conference on Radio Science 25th -29th feb 2008.Jodhpur.

18) "**ANN Based Calculation of Resonant Frequency of Square and Rectangular Microstrip Antenna**",Abhilasha Mishra, Vaishali Bhagile S.C. Mehrotra, present at International Conference on

Microwaves & optoelectronics (ICMO 2007) 17 – 20 December, 2007, Aurangabad. (MS), India. [**Received first prize**]

19) "**Towards Accessible Human – Computer Interaction (HCI)**", Manasi Ram Baheti, V.D.Bhagile, Mukta Dhopeshwarkar, present at International Conference on Advances in Computer Vision and Information Technology, ACVIT – 07, Aurangabad 28-30 November. 2007

20) "**Recognition of Offline Handwritten Devanagari Characters**",R.J.Ramteke, V.D.Bhagile, S.C.Mehrotra, present at International Conference on Advances in Computer Vision and Information Technology, ACVIT – 07, Aurangabad, 28-30 November. 2007

21) "**Arabic Printed Numeral Recognition System: A Block Based Approach**", V.D.Bhagile, Mowaffak Al-Baraq, R.J.Ramteke, S.C.Mehrotra, present at International Conference on Advances in Computer Vision and Information Technology, ACVIT – 07, Aurangabad, 28-30 November. 2007.

22) "**Recognition system for Arabic Printed Numeral: A Size Independent Approach**",V.D.Bhagile,MowaffakAl-Baraq,R.J.Ramteke,S.C.Mehrotra present at IEEE INDICON 2007&16th Annual Symposium of IEEE Bangalore Section, 6-8 September, 2007.

National Conferences:

1) **"Rainfall Prediction using Artificial Neural Network: A Review"** SatishV.Kanthale,Dr. Vaishali D. Bhagile. National Conference on Role of Information Technology in Entrepreneurship, Higher Education & Information Technology Editor- Dr. Prasad Madan Publication : New Man Publication ISBN :978-93-91621-47-6 March 2022.

2) "**Study of Challenges, Strength and Weakness in Cloud Computing for Health care system**" Pallavi K. Pradhan, Dr. Vaishali D. Bhagile. National Conference on Role of Information Technology in Entrepreneurship, Higher Education & Information Technology Editor- Dr. Prasad Madan Publication : New Man Publication ISBN :978-93-91621-47-6 March 2022.

3) **"Green Computing A Step Towards Eco Friendly Future"** Rashmi Nitwane, Vaishali P. Kadam, Dr. Vaishali D. Bhagile. Poster presentation in UGC sponsored Two days Third NATIONAL CONFERENCE ON ADVANCES IN COMPUTING (NCAC-2013)5-6 MARCH, 2013.SCHOOL OF COMPUTER SCIENCE, NORTH MAHARASHTRA UNIVERSITY JALGAON. ISBN No. 978-81-910591-7-5

4) "**Analysis of phylogenetic relationship of human gene with different species using Bioinformatics tools**" ,Deepeka Bhagile ,Vaishali Bhagile present at NATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTER APPLICATION (NCRTCA-2010) 17th - 18th February 2010 Department of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

5) "**A Blocked Approach to Recognition of Printed Numerals Irrespective of font Sizes**", V.D.Bhagile, R.J.Ramteke,S.C.Mehrotra, present at National Conference on Emerging Trends in Information Technology (eIT-2006), Baramati on 29 [th] -30 [th] September, 2006.

Copyrights

1. Total copyrights =04
2. Registration numbers (ROC)
a) SW-16152/2023 b) SW-16918/2023 c) SW-16902/2023 d) SW-18399/2024
3. Title of the work:
a) SW-16152/2023: Statistical Analysis of Remote sensing Drought Indices

b) SW-16902/2023: Regression Modelling of Advance Agricultural Drought index and its comparative analysis with precipitation-based drought indices SPI & SPEI

c) SW-16918/2023: Wavelet analysis of meteorological index SPI and Machine learning Agricultural Drought Index (MLADI)

d) SW-18399/2024: Advance Agricultural Drought Index(AADI) for Regional Drought Mitigation and Planning Systems: A Machine Learning Tool.

Patents:

1. Total patent filed = 02 Date of Filing ∷ 02nd Feb 2023 & 26th March 2024

2. Total patent published = 01 Date of publication ∷ 10th Feb 2023

☐ Application Number: 202321006863

I. Title of the invention:

"MACHINE LEARNING SPECTRAL INDEX FOR MULTISPECTRAL SATELLITE SENSORS IN AGRICULTURAL DROUGHT ANALYSIS AND PREDICTION"

Current Status: First examination Report (FER) reply filed

II. Title of the invention:

"ANIMAL IDENTIFYING DEVICE FOR AGRICULTURAL FARM"

Current Status : GRANTED with Registration of design with Design No. 411620-001 in Indian Patent Office

Date: 30.04.2025
Place: Chhatrapati Sambhajinagar