

Curriculum Vitae

Name: LALITA BHAGWAT RANDIVE

Address: G-2, Gurukrupa Apartment, Plot No.10, Gut No.44, Behind Bajaj Hospital Compound, Beed bypass road, Aurangabad-431005

E-mail: lalita.bornare@gmail.com, lalita.randive@mit.asia

Mobile: +91-9423008658, 9423008651

Date of Birth: 9th JUNE 1984



Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	Class
Ph. D.	Computer Engineering	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.)	Pursuing	
M.E.	Computer Science & Engineering (Full Time)	Government Engineering College Aurangabad	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.)	2011	Distinction
B.E.	Computer Science & Engineering	TPCT's College of Engineering, Osmanabad	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.)	2005	Distinction

M.E. Project: Color Based Image Segmentation

PhD Research Topic: "Identification of Crop Nutrition Deficiency through Leaf Analysis using Artificial Intelligence"

Area of Interest – Digital Image Processing, Data Science, Artificial Neural Network, Artificial Intelligence

Experience

Sr. No	Organization	Post	From	To	Years	Months
1	GSM's MIT Aurangabad	Asst. Prof In CSE Department	27/07/2011	Till date	Twelve	--
2	BGPS's Hi-Tech Institute of Technology, Aurangabad	Lecturer In CSE Department	1/07/2010	7/06/2011	One	--
3	GSM's MIT Aurangabad	Lecturer In CSE Department	17/12/2007	31/06/2010	Two	Six
5	SVERI's College Of Engineering Pandharpur, Dist Solapur	Lecturer In CSE Department	1/01/2007	16/12/2007	One	--
6	TPCT,s College Of Engineering Osmanabad	Lecturer In CSE Department	1/08/2005	31/12/2006	One	Six

NPTELCertification

Sr No	StartDate	EndDate	Duration (inWeeks)	CourseName	Marks(Outof100)	Performance
1	JUL 2018	Oct 2018	12	Digital Image Processing	87	Elite with Topper 5%
2	Feb 2019	Apr 2019	8	Fuzzy Logic & Neural Network	77 %	Elite Silver
3	Feb 2019	Apr 2019	8	Introduction to Research	77%	Elite Silver
4	Jan 2021	Feb 2021	4	Python for Data Science	76%	Elite Silver
5	Jan 2021	Apr 2021	12	An Introduction to Artificial Intelligence	39%	NE for certificate
6	JUL 2022	OCT 2022	12	Digital Image Processing	80 %	Elite with Topper 5%
7	JUL 2022	OCT 2022	12	Deep Learning	83 %	Elite Silver
8	JUL 2022	Dec 2022	16	Research Methodology and Statistical Analysis	58%	
9	Jan 2023	Apr 2023	12	NBA Accreditation and Teaching and Learning in Engineering	64%	Elite
10	Jan 2023	Apr 2023	12	Problem Solving through Programming in C	64%	Elite

Successfully Completed 12 different IBM Cognitive Class Certification Courses on Artificial Intelligence, Data Science, Machine Learning and Deep Learning.

List of Courses Taught/Teaching at UG level

- C Programming
- Python Programming
- Artificial Intelligence
- Discrete Mathematics
- Database Management System
- Digital Image Processing
- Principle of Compiler Design
- Theory of Computation
- Soft Computing: Artificial Neural Network & Fuzzy Logic
- Information Theory and Coding
- Principles of Programming Languages
- Software Engineering
- Computer Graphics
- Database Management System
- Python Programming (Core)

List of Courses Taught/Teaching at PG level

- Computer Vision
- Pattern Recognition
- Business Intelligence

Additional Assignments/Duties

1. Worked as a coordinator in “Smart India Hackathon 2022”
2. Working as departmental NAAC Coordinator from last two years 2020-21 & 2021-22..
3. Worked in Central Academic Monitoring Coordinator during the Year of 2019-20.
4. Worked as a coordinator in Central Staff Recruitment Process in Year of 2020-21.
5. Worked as departmental Time Table Coordinator for two academic year 2019-20 and 2020-21.
6. Worked as departmental LIC coordinator for two academic year 2016-17 and 2017-18.
7. Working as Result Analysis Coordinator from year 2008 to till date.
8. Worked as Under Study in Dr B A M University examination in May/June 2016.
9. Worked as a Food committee member for Youth Festival, Committee Member for Cybernetics.
10. Worked as Departmental Class test coordinator for two year 2015-16 and 2016-17.
11. Worked as class teacher during academic year 2018-19 for TY CSE class.
12. Working as a Lab-In charge of Computer Software Lab from 2011 to till date.

Membership of Professional Bodies

Life Member (LM -53223 Year 2007),
Indian Society of Technical Education, New Delhi

Computer/Software Proficiency

1. C
2. Scilab
3. Matlab
4. Python – core python with Data Science Libraries – numpy, pandas, matplotlib.

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

1. Completed an online 8 months training program on **Data science, Machine Learning and Deep learning using python** conducted by Mr. Yamin Hakim- Data Scientist, AI professional ,Python, Data Science & Machine learning Expert, Corporate Trainer, Freelancer at **Code Nucleus Solutions ,Pune**
2. Participated in the one week Faculty Development Programme on **Artificial Intelligence & Machine Learning: Concept, Tools and Techniques** conducted by Department of Information Technology, Government College of Engineering, Chh.Sambhajinagar, 6th Jan -10th Jan 2025.
3. Participated in the one week Faculty Development Programme **on Mastering AI Tools for Faculty Excellence** conducted by Department of Computer Engineering-AIDS& AIML VIIT, Pune, 23rd Dec - 27th Dec 2024.
4. Participated in the one week Faculty Development Programme **on Mastering AI Tools for Faculty Excellence** conducted by Department of Computer Engineering-AIDS& AIML VIIT, Pune, 23rd Dec - 27th Dec 2024.
5. Participated in the one week **International Faculty Development Programme on AI for Sustainable Development** organized by VIIT Pune, IEEE region 10 Humanitarian Technology ,IEEE Pune Section, from 5th Aug to 9th Aug 2024.
6. Participated in the one week Faculty Development Programme on **Data Science Expedition Insights with Machine learning and deep learning** conducted by Department of Computer Science & Engineering, Maharashtra Institute of Technology, Chh. Sambhajinagar, and 1st July to 5th July 2024.
7. Attended a 3 days training program on **Student Centricity in Education Institute** conducted by **MSFDA** in collaboration with **FLAME** university organized by Maharashtra Institute of Technology, Chh. Sambhajinagar from 1st to 3rd August 2024
8. Participated in the Online Workshop on **Data Visualization Tools and Techniques** Conducted by Emerging Science and Technology, Chhatrapati Sambhajinagar, 4th to 9th March 2024.
9. Participated in the one week Faculty Development Programme on **Deep Dive into Data Science and Machine Learning conducted** by Department of Computer Engineering PCET's NMIET, Pune, 26th Feb -1 March 2024.
10. Attended a 21-day e-training on **Data Science** conducted by Pantech Learning Pvt. Ltd ,during 8th Nov to 2nd Dec 23.
11. A one-week FDP on **NBA Accreditation and Teaching and Learning in Engineering, Apr 2023.**
12. Participated in the Online AICTE Recognized Faculty Development Programme on “**Online Learning and Online Evaluation**” Conducted by Education and Educational Management Department from 20/03/2023 to 24/03/2023 (One Week) at NITTTR, Chandigarh.

13. Participated in the Online AICTE Recognized Faculty Development Programme on “**Deep Learning**” from 27/02/2023 to 03/03/2023 (one Week) Conducted by Computer Science and Engineering Department NITTTR, Chandigarh.
14. Attended a webinar on “**Deep Learning**” conducted by CDAC, NIELIT , Noida on 28th Feb 2023.
15. Attended a 5 day national level training programme on “**Research and Tools**”, Organized by Department of Computer Science, Sardar Patel Mahavidyalaya, Chandrapur from 13th Feb. 2023 to 17th Feb. 2023
16. Attended a 3-day FDP on “**Demystify AI**” at MIT, Aurangabad in association with Findability Science Sep, Year 2022.
17. Attended an e-workshop on “**Research Paper Writing**” from 17 Dec 2022 to 18Dec 2022 by COMMACAD.
18. Attended a one-week online AICTE and ISTE refresher programme on “**Data Science & Its Application**” from 30 Dec 2021 to 5 Jan 2022 organized by Dept of Comp Sci & Engg Abha Gaikwad-Patil college of engineering, Nagpur.
19. Participated in the Online AICTE Recognized Faculty Development Programme on **Computer Vision using Open CV** from 25/10/2021 to 29/10/2021 (one Week) Conducted by Computer Science and Engineering Department NITTTR, Chandigarh.
20. Participated in the AICTE QIP sponsored Online STC on **Intelligent Nanophotonics** from 04/10/2021 to 09/10/2021 (one Week) Conducted by Computer Science and Engineering Department, National Institute of Technical Teachers Training and Research Chandigarh MINISTRY OF EDUCATION, GOVERNMENT OF INDIA
21. Attended STC on "**Data Science using Python**" from 9th Aug to 13th Aug 2021 at National Institute of Technical Teachers Training & Research (Ministry of Education, Govt. of India) Sector-26, Chandigarh. India
22. Attended a one-week online AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Designing Intelligent systems**" from 2021-7-5 to 2021-7-9 at Indian Institute of Information Technology, Nagpur, India.
23. Attended a one-week online AICTE sponsored STTP on “**Blockchain Technology and Crypto Currency**” (Online Mode) organized by Department of Computer Engineering, Sanjivani College of Engineering, Kopergaon, Maharashtra, India from 2nd Nov to 7th Nov 2020 (Series-I).
24. Attended a one-week **virtual global summit on Artificial Intelligence: Responsible AI for Social Empowerment organized by Ministry of Electronics & Information Technology** from 5th to 9th Oct 2020 (RAISE 2020).
25. Attended a one-week online STTP on Image processing and Data science with Matlab (MathWorks) organized by Government Engineering College, Aurangabad under Technical Education Quality Improvement Programme (TEQIP- III) from 7th to 11th July 2020.
26. Attended a one-week online FDP on Scilab organized S B Jain Institute of Technology, Management & Research, Nagpur (IITB Spoken Tutorial), from 4th to 9th May 2020.
27. Attended a one-week Machine Learning workshop organized by MGM's, Jawaharlal Nehru Engineering College, Aurangabad from 3rd to 7th July 2018.
28. Attended a one-week Satellite Image Processing workshop organized by Terna Engineering College, Nerul, Navi Mumbai from 2nd to 6th Jan 2017.
29. Attended a 4-day workshop on Matlab, Simulink and Low-cost Design using Signal and Image Processing Toolbox organized by Maharastra Institute of Technology, Aurandabad from 16th to 19th Dec 2016.
30. Attended a one-week workshop on Soft Computing, ANN and Fuzzy Applications in Engineering, organized by Deogiri Institute of Engineering and Management Studies, Auranganbad from 30th Nov to 5th Dec 2015

31. Attended a IEI technical webinar on “Application of Machine Learning” organized by Durgapur Local Centre of The Institute of Engineers (India) under the aegis of Computer Engineering Division on 23/04/2022 from 18:30 hr to 20:30 hr
32. Attended a IEI technical webinar on “CYBER SECURITY & PERSONAL SAFETY” organized by West Bengal State Centre of The Institution of Engineers (India) under the aegis of Electronics And Telecommunication Engineering Division on 08/10/2021 from 18:00 hr to 20:00 hr
33. Attended a webinar on Star Experts IoT Specialist organized by Star Certification on 7th May 2020.
34. Attended a online Technical session on “HOW TO IMPROVE THE CITATION AND WRITE RESEARCH PAPERS” organized by Department of Computer Engineering, Sir Visvesvaraya Institute of Technology, Nashik on 01st May,2020.
35. Attended a webinar on “Research Paper Writing and Citation Manager” organized by Department of Computer Science and Engineering, P. E. S. College of Engineering, Aurangabad on 21st June 2020

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

- Organized or as part of an international Conference on Smart Computer Applications and Innovations 2018 at MIT, Aurangabad.
- Organized an expert talk on “C Programming and its use in industry” on 18th Feb 2023 for FY students.
- Organized a one week Faculty Development Programme on **Data Science Expedition Insights with Machine learning and deep learning** at Department of Computer Science & Engineering, Maharashtra Institute of Technology, Chh. Sambhajinagar, from 1st July to 5th July 2024

Research/Project Undertaken

Topic Selected for PhD

Work: “Identification of Crop Nutrition Deficiency through Leaf Analysis using Artificial Intelligence”

Research

Area of Interest – Digital Image Processing, Data Science, Artificial Neural Network, Artificial Intelligence

ME Dissertation Topic – Color Based Image Segmentation (In Domain Area: Image Processing)

UG Guide: Successfully guided more than 80 students

PG Guide: Successfully Guided 14 Students

1. “New Fitness Functions in Genetic Programming to Classify Unbalanced Data”, Mrs. Amrita A. Pundlik, Year 2014
2. “Robust Multiple Object Removal Using Exemplar Based Inpainting”, Mrs. Madhuri Kawade, Year 2014
3. “Implementation of Relevance Feedback for Content Based Image Retrieval Using Image Mining User Navigation Patterns”, Mrs. Mrunmayi Joshi, Year 2015.
4. “A Novel Approach for Face Recognition using Fractals”, Mr. Rakesh Shirsath, Year 2015.
5. “Hiding Sensitive Association Rules in Data Mining”, Mr. Rameshwar Chintamani, Year 2015.
6. “A System to Filter Unwanted Messages for OSN User Wall”, Mr. Pauras Bangar, Year 2016.
7. “Intent Search: Capturing User Intention for One Click Internet Image Search”, Ms. Vrushali Ingle, Year 2016

8. "Absolute Value of Pearson's Correlation Coefficient Based on Fractals Image Compression", Mr Vinod Date. Year-2018
9. "A Biologically Inspired Model For Contour Detection Using Laplacian of Gaussian", Ms. Mayuri P. Vidhate, Year 2018
10. "Comparative Analysis of Frequent Pattern Mining Algorithm", Ms Vanita Chaudhari, Year 2019.
11. "Plant Disease Detection", Ms Sarika Bhalerao, Year 2021
12. "Implementing SIFT for Remote Sensing Image Registrations", Ms Aprna Joshi, Year 2021
13. "Implementing Naïve Bayes Classification to Identify Intrusive and Offensive Text on Social Media Platform", Prashant Jagtap, 2022
14. "Distributed Denial Of Service Attack Detection Using Machine Learning", Pravin Tukaram Zhunjare, April 2024.

Invited talks delivered

1. "Algebraic System: Its Application", for Second Year Computer Science & Engineering students at Deogiri Institute of Engineering & Management Studies, Aurangabad in Dec 2022.
2. "Digital Image Processing using Scilab", delivered an online webinar in 15 days online webinar series for UG & PG students, organized by Department of Computer Science, Dayanand Science College, Latur on 5 Jan 2021.
3. "Relation & Function: Discrete Mathematics", for Second Year Computer Science & Engineering students at Deogiri Institute of Engineering & Management Studies, Aurangabad in Sep 2019.
4. "Image Segmentation: Digital Image Processing", for Third Year Computer Science & Engineering students at Deogiri Institute of Engineering & Management Studies, Aurangabad in Aug 2017

List of Research Publications

Papers in National/International Journal

1. Prof. Lalita B. Randive, Prof. Shubhangi Sapkal, "Color Image Segmentation Based on SRG", International Journal of Advances in Computer Networks & its Security, ISSN 2250-3757, 2011.
2. Mr Rakesh Shirsath, Prof. Lalita B. Randive, "Novel Approach for Face Recognition Using Fractals", Electronics, Communication & Soft Computing Science and Engineering, ISSN NO 2277-9477, Volume 3, Issue 3, June 2014
3. Mr. Rakesh S. Shirsath, Prof. Lalita B. Randive, "PIFS: A New Tool for Face Recognition", Modern Trends in Engineering and Research, ISSN 2349-9745, Volume 2 Issue 7, **July 2015**
4. Mrunmayi Joshi, Prof. Lalita B. Randive, "Implementation of relevance feedback for content-based image retrieval using image mining user navigation pattern", Advanced Research in Computer Science, ISSN 0976-5697, Volume 6, No. 1, Feb 2015
5. Mr. Gopal V. Lahoti Prof. Dipa D. Dharmadhikari Prof. Lalita B. Randive, "Multi-server Model for Profit Maximization in Cloud Computing", RICE 2016.
6. Mr. Pauras Bangar Prof. Lalita Randive, "A Survey Paper on OSN User Wall to Filter Unwanted Message", International Journal of Computer Science and Mobile Computing, **2320-088X**, Vol 5 Issue 2, **2016**
7. Mayuri Vidhate, Lalita Randive, "A biologically Inspired Model using Laplacian of Gaussian Improves Contour Detection", International Journal of Current Trends in Engineering & Research (IJCTER) e-

ISSN 2455–1392, pp. 1 – 8, volume 3 Issue 8, August 2017

8. Lalita Randive, Sarika Bhalerao, “Plant disease detection using Parallel Greedy Sparse Linear Discriminate Analysis method”, An International Scholarly Open Access Journal, Peer-reviewed, Refereed Journal, c461-c466, volume 8 Issue 11, Nov 2021
9. Lalita Randive, Sarika Bhalerao, “Plant Disease Detection using Parallel Greedy Sparse Linear Discriminate Analysis method”, International Journal of Scientific & Engineering Research, 1323-1329, volume 12 Issue 11, Nov 2021
10. Aparna Joshi, Lalita Randive, “Implementing SIFT for Remote Sensing Image Registrations”, An International Scholarly Open Access Journal, Peer-reviewed, Refereed Journal, Pp a737-a747, volume 8 Issue 12, Dec 2021
11. Prashant Jagtap, Asst. Prof. Lalita Randive, “Implementing Naïve Bayes Classification to Identify Intrusive and Offensive Text on Social Media Platform”, International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.8, Issue 12, Dec 2021
12. Pravin Tukaram Zhunjare, Prof. Lalita B. Randive, “Distributed Denial Of Service Attack Detection Using Machine Learning For Internet Of Things”, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, Volume 11, Issue 2, Feb 2024.
13. Pravin Tukaram Zhunjare, Prof. Lalita B. Randive, “A Literature Survey of Distributed Denial of Service Attack Detection using Machine Learning: A Review”, International Journal Of Computing Technologies (JCT), ISSN(ONLINE):2278 – 3814, Volume-12, Issue-08, August 2023.
14. Ms. Lalita Randive, Dr. Shubhangi Sapkal and Dr. Deepak Bornare, “Exploring Deep Learning Approaches For Detecting Nutritional Deficiencies in Crop Leaves: A Comprehensive Overview”, International Journal of Agriculture and Environmental Research, ISSN: 2455-6939 Volume: 11, Issue: 01, January-February 2025.

Papers in International Conferences Proceedings

1. Prof. Lalita B. Randive, Prof. Shubhangi Sapkal, “Color Image Segmentation Based on SRG and Watershed Algorithm”, Advanced Computing, Communication & Networks 2011.
2. Prof. Lalita B. Randive, Madhuri Kawade, “Robust Multiple Object Removal Using Exemplar Based Inpainting”, 3rd International Conference on Recent Trends in Engineering and Technology (ICRTET 2014), 2014.
3. Mrs. Pundlik A. Prof. L.B. Randive, “New fitness Functions to Classify Data”, Recent Trends in Engineering and Technology (ICRTET 2014), 2014.
4. Mr. Rakesh S. Shirsath, Prof. Lalita B. Randive, “PIFS: A New tool for Face Recognition”, 4th International conference on Recent Trends in Engineering & Technology (ICRTET), 2-4th July 2015.
5. Prof. Lalita B. Randive, Madhuri Kawade, “Survey on Unwanted Object Removal Based on Inpainting Algorithm using Region Segmentation”, 2nd International Conference on recent Trends in Engineering and Technology, **2320-088X**, Vol 5 Issue 2, 2016.
6. Vanita Chaudhary, Lalita Randive, “Performance Evaluation of Improved Apriori with Apriori , FP-Growth Algorithms”, 29th and 30th March 2019.

7. Presented Poster on "AI Enhanced integration of micro irrigation and mechanism for sustainable agriculture", International Conference and Exhibition organized by Vasandada Sugar Institute, Pune, India, Jan 2024.

Awards,AchievementsandRecognition

- Received a Special Achievement Certificate from IBS, in conduction of Training of Infosys Campus Connect Programme at MIT campus, 2009.
- Received a Special Achievement Certificate for worked as coordinator in SIH, 2022, from MIT.
- Received a Certificate of Appreciation in recognition of role as MENTOR for NPTEL online certification 2023 from SWAYAM.
- Received a Certificate of Appreciation in contribution as reviewer of papers in IEEE Bombay Section Signature Conference (IBSSC-2024) held on February 29, 2024, organized by IEEE Bombay Section and MGM University, Chhatrapati Sambhajinagar, India.
- Received a Certificate of Appreciation from IQAC Cell, MIT for quality teaching-learning process in the course Database Management System for class SY CSE 2023-24 Part-2.
- Received a Certificate of Appreciation from IQAC Cell, MIT for quality teaching-learning process in the course Discrete Mathematics for class SY CSE 2024-25 Part-1.

Date:

Place:Chhatrapati Sambhajinagar, India