

Curriculum Vitae

Name: Ms. Suvarnmala. B. Bangar

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Mobile: 9975536047,8149256996

Date of Birth: 01 June 1984

Objective: Working as a Asst Professor in Computer Science and Engineering Department.

Total Experience :19.02 yr

Expert: Expertise in Software Testing,Agile Methodology,also completed course in Software Processes and Agile Practices from University of ALBERTA COURSERA and completed Training in agile methodology by Infosys Pvt.Ltd

Programming Skill:Python Programming

Completed Online Course in Python programming from Udemy Online platform.

Other Skills:Completed Certifications in AI and Data Science, Building a chatboat by IBM Pvt.Ltd.I have knowledge of Artificial intelligence and Data Science using IBM Watson platform. check my work here

<https://www.credly.com/users/suvarnmala-bangar>

Ph.D Research :Implementing of application for Chhatrapati Sambhajinagar Municipal Corporation using Remote Sensing and GIS.

Awards, Achievements and Recognition

- 1.Awarded Coordinator Certificate by Ministry of Education for Exceptional Contribution as coordinator in SMART INDIA HACKATHON 2022.
 - 2.Awarded Appreciation Certificate by (IBS) Director General for Contribution as member of organizing team in SMART INDIA HACKATHON 2022.
- Awarded Appreciation Certificate by (IBS) Director General, MIT for 'INFOSYS CAMPUS CONNECTS FOUNDATION PROGRAM' on 08/10/2009.

3. Awarded Appreciation Certificate for excellent feedback in Teaching in year 2017-18 and 2019-20.

3. Awarded Appreciation Certificate for excellent work in International Conference of Library Resource sharing in COVID-19.

Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%CGPA	Class
Ph.D	Computer science Engineering and Technology	Dr.B.A.M.U niversity	Dr.BAMU	Jan 2021	-	Pursuing
M.E.	Computer Science and engineering	GECA AURANGA BAD	Dr.BAMU	2013	82.92	Dist
B.E.	Computer Science and engineering	GECA AURANGA BAD	Dr.BAMU	2006	73.00	Dist
Diploma	Computer Science and engineering	GRWPL, Latur	MSBTE	2003	74.63	Dist
SSC	-	Shivaji vidhyalay, Beed	Maharashtr a State Board, Aurangaba d	1999	69.53	First class

Ph.D Project: Implementing of application for Chhatrapati Sambhajnagar Municipal Corporation using Remote Sensing and GIS.

M.E. Project: Developed Algorithm on project Title “Security improvement in tri pixel value difference method using LZW Algorithm Compression Method”.

Key Research Areas: Software Engineering, Software Testing

Experience Total :19.02 yr

Sr. No.	Organization	Post	From To	No. of Years
1	Maharashtra Institute of Technology	Asst. Professor	24/06/2009 to till date	15.11 years
2	Maharashtra Institute of Technology	Lecturer	3/5/2008 to 23/6/2009	1.4 year

3	Marathwada Institute of Technology	Lecturer	01/08/2007 to 31/04/2008	9 months
4	Marathwada Institute of Technology	Lecturer	02/05/2007 to 31/07/2007	3 months
5	Shiv Chhatrapati college of engg & polytecnic,pune	Lecturer	02/06/2006 to 30/04/2007	1 year

List of Courses Taught/Teaching at UG level : System Software, Advance Software Engineering, User Interface Design, Values and Ethics ,Cyber security, Computer Fundamental & Programming, System Development Methodology ,Software Testing & Quality Assurance ,Industrial Management, Multimedia Techniques, Cryptography and Network Security Software Testing.

List of Courses Taught/Teaching at PG level: Research Methodology, Software Reliability, and Advance Image Processing.

Additional Assignments/Duties

1. Class teacher, time table coordinator, Term work coordinator, lab in charge, Store in charge, Term work Audit Member, Academic Auditor.
2. Paper setter, examiner, appointed by university as an Auditor for other colleges (Osmanabad College of Engineering).

Membership of Professional Bodies

CSI (01219552) (Lifetime membership)

ISTE(LM 55845)(Lifetime membership)

IEEE(503128)(Lifetime membership)

Research Projects/Projects Guided

Ph.D Project: Implementing of application for Chhatrapati Sambhajnagar Municipal Corporation using Remote Sensing and GIS

1. Technique for Keyword Search using Minimum Distance
2. Watermarking on Compressed Encrypted JPEG2000 images
3. Improvised Technique to Restrict Unwanted Contents from Social Networking Platforms on User's Wall.
4. Video Surveillance Based Attendance System.

UG Projects:

1. passgen (password security app)
2. NOB Rock Band Manager app (sponsored)
3. Smart MOM
4. E-Health Care System

Computer/Software Proficiency

SELENIUM ,PYTHON 3.7,ANACONDA3,PYCHARM COMMUNITY 2019.

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

Sr.No.	Title	Dates	Venue	No. of Days
1	Recent Trends in Artificial Intelligence and Data Science	12/01/2026 to 17/01/2026	AICTE Training and Learning (ATAL) Academy ,COLLEGE OF ENGINEERING	One week
2	Emerging Trends in AI-Powered Cybersecurity at	05/01/2026 to 10/01/2026.	AICTE Training and Learning (ATAL) Academy ,banarsidas chandiwala institute of information technology.	One week
3	Bootcamp on Unmanned Aerial System	08/04/2025 to 12/04/2025.	Maharashtra Institute of Technology, Chhatrapati Sambhajnagar, Maharashtra.	One week
4	Data Science Expedition- Insight with Machine Learning and Deep Learning	I July 2024 to S"July 2024	Maharashtra Institute of Technology, Chhatrapati Sambhajnagar, Maharashtra.	One week
5	Data Analytics with Excel - Basics to Advanced	20 th Nov to 1 st Dec 2023.	Management Studies - Dayananda Sagar College of Engineering in Collaboration with ExcelR Edtech Pvt. Ltd.	20 Hours
6	Blockchain Technologies	23.06.2023 to 01.07.2023	Thakur College of Engineering and Technology, Mumbai, Maharashtra	One week
7	Outcome based teaching learning	21 -25 march 2022	Pravara rural engg college loni	One week
8	Cyber security and cyber forensic	05-06 july 2021	AICTE ATAL MIT	One week
9	online workshop on universal human value	14-18 dec 2020	MIT	one week
10	Software Processes and Agile Practices	30/05/2020	University of ALBERTA COURSERA	Four Weeks
11	Online Course on Python programming	28 /04/2020	Online Course Udemy	Four Weeks

12	TALE2 :Course Design and Instruction of Engineering Course	Jul -sept 2019	MIT,Aurangabad	Eight week
13	Online FDP on “Outcome Based Education: A Step Towards Excellence”	11/05/2020 to 15/05/2020	Government College of Engineering, Karad.	One Week
14	National Online FDP on “Artificial Intelligent”	22/05/2020 to 26/05/2020	Universal College of Engineering	One Week
15	3-Day National Level Webinar Series on "Research Techniques & Challenges" which was jointly organized by from	26/05/2020 to 28/05/2020.	Shivajirao S. Jondhle College of Engineering & Technology and Shivajirao S. Jondhle Polytechnic , Asangaon.	Three days
16	International Web Conference on Education System in COVID-19	30/05/2020	Dr.BAMU ,Aurangabad	One Day
17	Online Faculty Program on NBA	11/05/2020	Bharti Vidhyapeeth college of Engineering,Navi Mumbai	One Day
18	National Level Quiz on ”BASICS OF COMPUTER SCIENCE”	22/05/2020 to 25/05/2020	Shivajirao S. Jondhle College of Engineering & Technology and Shivajirao S. Jondhle Polytechnic , Asangaon.	Four Days
19	Webcast on advance OBE	21/05/2020	INPODS	One day
20	Rubrics Data Science FDP	26 /06/2019	MIT Btech Aurangabad	One day
21	FDP on “Data Science”	24/06/2019 to 30/06 2019	shivaji kolhapur university,mhrd govt of india pmmmmntt,hosted by mit btech aurangabad	One week
22	“Use of ICT for Effective Teaching Learning” Refresher Course	08/01/2019 to 12/01/2019	Maharashtra Institute of Technology, Aurangabad.	One Week

23	“Cyber Security”	28/1/2017 & 04/02/2017	FDP program mit,btech cse Aurangabad.	Two days
24	Infosys Workshop on “Agile Methodology”	21/12/2015 to 25/12/2015	Infosys Pvt.Ltd.	One week
25	“Research paper writing” workshop	2/5/2015 to 5/5/2015	IOM MGM Aurangabad	Four Days
26	“Wok Life Balance” workshop	13/4/2015	CMIA Hall ,MIDC Aurangabad	One day
27	“Research Methodology” two day workshop	13/3/15 to 14/3/15	Maharashtra Institute of technology Aurangabad.	Two days
28	“Network Security ” one week STTP program	7/9/2013 to 11/9/2013	Govt college of engineering Aurangabad	One week
29	Stress Management Naturopathy (Stree Jagran Manch NGO)MGM)	9/1/2013 12/1/2013	Maharashtra Institute of technology Aurangabad.	Four days
30	“Effective Teaching Proficiency”	25-02-2013	Maharashtra Institute of technology Aurangabad.One day	One day
31	“Faculty Content and Development”	08/07/2013 to 10/07/2013	Maharashtra Institute of technology Aurangabad.	Three days
32	Syllabus Setting of Engg, BAMU university	9-3-2012	Maharashtra Institute of technology Aurangabad.	One day

Training under Industry Institute Interaction:

Sr.No.	Title	Dates	Company Name	No. of Days
1	Master Class on data Science	08/11/2 to 02 /12/23	Pantech E learning Pvt Ltd.	21 days
2	IBM-Rational Rose-08	3 ,4,5 march 2008	Zensoft services pvt ltd,pune.	Three Days
3	“FSIT” TRAINNING	28/5/2016 TO 2/6/2016	NASSCOM TRAINNING (TTT) BY DTE,GECA Aurangabad.	One Week
4	Training on Artificial Intellegance concepts	18 nov 2021	IBM Pvt.Ltd	One Week
5	The AI Ladder: A Framework for Deploying AI in your Enterprise	21 nov 2021	IBM Pvt.Ltd	Three Week

6	AI appreciate	9 Dec 2021	IBM Pvt.Ltd	One Day
7	AI Aware	9 Dec 2021	IBM Pvt.Ltd	One Day
8	Build Your Own Chatbot	14 dec 2021	IBM Pvt.Ltd	Three Week
9	Introduction to Data Science	22 Dec 2021	IBM Pvt.Ltd	Two Week

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

Sr.No.	Title	Dates	Role	Students/Staff	No. of participants
1	International Web Conference on Library Resources in COVID-19,MIT	13/06/2020 and 14/06/2020	Registration Committee coordinator	5	8000
2	“TECH-PRO” National Level online Project Competition ,MIT	27 th June 2020	Registration Committee coordinator	8	200
3	Techno meet 2013	20 & 21 sept 2013	Registration Committee coordinator	35/15	350
4	Technomillennium-2007	15,16,17 sept 2007	Office Committee Member	35	350
5	IBM-Rational Rose-08	3 ,4,5 march 2008	Organizer and Participant	3	17
6	Ruthumbhara-08	15 -16 feb 2008	Organizing Committee Member	25	250
7	JSP,servlet and Ajax	28-30 august 2010	Organizing Committee Member	5	22
8	Syllabus Setting of Engg, BAMU university	9-3-2012	Organizer and Participant	3	27

Intellectual Property Rights

1.Copy right for Notes “Example of Cyclometric Complexity” Registration Number: L-90642/2020 Dated 29/05/2021.

2.Copy right for Notes “techniques of injecting data in apache hive” Diary Number : 9893/2021-CO/L Dated 29/04/2020.

List of Book Chapter Publications Papers in National/ International Journal

Sr. No	Title of Paper	Book Name and ISBN	Month&year	Link of Published
1	Remote sensing and machine learning techniques for development of smart city and LULC classification: a case study	Futuristic Trends in Information Technology e-ISBN: 978-93-6252-902-2 IIP Series, Volume 3, Book 1, Part 1, Chapter 4 Copyright © 2024 Authors Page 34	Book Chapter/2024	Link of Published Edited Book : https://www.iipseries.org/view-pub-book.php?bookid=218&bookname=futuristic-trends-in-information-technology-volume-3-book-1

List of Research Publications Papers in National/ International Journal

Sr.No.	Title of Paper	Name of National/Int. Journal	Month&year	Details
1	Monitoring LULC Transformations in Chhatrapati Sambhaji Nagar: A Remote Sensing Approach for Sustainable Urban Planning	High Technology Letters Peer Review & International Journal ISSN No: 1006-6748	Scopus indexed Journal /Feb 2025	DOI.org/10.37896/HTL31.2/11239 https://gjstx-e.cn/volume-31-issue-2-february-2025/
2	GIS-Enabled Smart Governance in Chhatrapati Sambhajanagar City	High Technology Letters Peer Review & International Journal ISSN No: 1006-6748	Scopus indexed Journal /Feb 2025	DOI.org/10.37896/HTL31.3/11400 https://gjstx-e.cn/volume-31-issue-3-march-2025/

3	Review on Keyword Search Over Relational Databases	International Journal of Emerging Technology and Advanced Engineering (IJETAE)	Volume 4, Issue 11, November 2014	International Journal of Emerging Technology and Advanced Engineering (IJETAE)
4	Watermarking on Compressed Encrypted JPEG2000 images	International Journal of Emerging Technology and Advanced Engineering (IJETAE)	Volume 4, Issue 11, November 2014	International Journal of Emerging Technology and Advanced Engineering (IJETAE)
5	Improvised Technique to Restrict Unwanted Contents from Social Networking Platforms on User's Wall	International Journal of Emerging Technology and Advanced Engineering	Volume 5, Issue 11, November 2015	International Journal of Emerging Technology and Advanced Engineering (IJETAE)
6	Technique for Keyword Search using Minimum Distance	International Journal of Innovative Research in Computer and Communication Engineering	Vol. 4, Issue 4, April 2016	International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE)
7	Review Paper On: Video Surveillance Based Attendance System	International Journal of Advance Engineering and Research Development	Volume 4, Issue 2, February - 2017	International Journal of Advance Engineering and Research Development
8	Video Surveillance Based Attendance system	International Journal of Advanced Research in Computer and Communication Engineering	Vol. 6, Issue 3, March 2017	International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)

List of Research Publications Papers in National /International Conference Proceedings

Sr.No.	Title of Paper	National/Int.	Month&year	Details
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1	Development of a GIS-Based E-Governance System for Urban Infrastructure Management: A Case Study of Chhatrapati Sambhajnagar City	International conference on Nextgen Technology and Ai for a sustainable future (NTAI2025) Indira College of Engineering and Management, Pune, India	Scopus indexed Journal /Feb 2025	published by CRC Press . (AAP imprint) under com/Research-Notes-on-Taylor and Francis Group
2	Analysis of Land Use and Land Cover Changes in Chatrapati Sambhaji Nagar Using Remote Sensing and Geographic Information System (GIS)Techniques	Conference/2023	3rd International Conference ICKE-2023 Chh.Sambhajinagar	DBAMU http://www.icke2023.in/
3	Review paper on remote sensing and machine learning techniques for development of E-governance system and smart city	International Conference on Data Science, Machine Learning and Artificial Intelligence (DSMLAI), Namibia	24 -25 nov 2022	Namibia conference.
4	Paper Presented on Review of pixel value difference methods in steganography	International Conference	9-11 Feb 2012 page no-CS15,PAPER ID-CS31.	International Conference on Recent Technologies “I-CORT 2012”institute of knowledge college of engineering,pune,
5	Paper Presented on Improving security of TPVD using Compression Method	International Conference	14th October 2012, New Delhi, ISBN: 978-93-82208-29-7	International Conference on Computer Science and Information Technology, 14th October 2012, New Delhi,

Date: 27/05/2025

Place: Chhatrapati Sambhajnagar.