

BIO-DATA

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Assistant Professor IT.

Ph.D-Computer Science & Engg (Cloud Security), ME Computer Science and Engg, BE IT.

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Basic Academic Credentials:

Qualification	Board/University	Year	Percentage
Ph.D(CSE)	Dr.BAMU Aurangabad	2021	
ME(CSE)	Dr.BAMU Aurangabad	2014	80.83
BE(IT)	Dr.BAMU Aurangabad	2005	75.66
HSC	Maharashtra Board	1999	63.83
SSC	Maharashtra Board	1997	68.93

Experience Details:

Name of Organization	Designation	Duration
Government Engineering College Aurangabad.	Assistant Professor	04/01/2011 to till date
Modern College of Engineering, Pune.	Lecturer	01/01/2007 to 03/01/2011
Aditya Engineering College Beed.	Lecturer	08/09/2005 to 31/03/2006

Projects Completed:

- ◆ Implementation of Cloud Cluster Security Policy using datacryptAlgorithm based on ontology.
- ◆ Attack model detection with data science.
- ◆ Simulation of SQL injection attacks.
- ◆ Role Based Access control in cloud computing.
- ◆ Scheduling Algorithm Simulation using Ubuntu Graphics.
- ◆ Steganography for images.
- ◆ Content Based Video Retrieval.
- ◆ Indian Currency Recognition.

IT Proficiency:

- Microsoft Office word, Microsoft office power point, Microsoft office excels, Latex.
- Internet Browsing.
- **Language:** C, C++, Java, VB.Net, MATLAB, C#, Python.
- **Area of interest:** Cloud Computing.
- **General and graphic application:** HTML, Java Script, Latest graphics.tools, Software development tools, IDEs.
- **Operating systems:** Windows2010, Linux, Fedora.

Paper Publications:

- 1) Prof.S.M.Chavan, “Background Knowledge of various Bioinformatics issues” in National Level Technical paper Presentation Futurizm 12, Feb-12.
- 2) Prof.S.M.Chavan,S.D.Sapkal“Color Content based Video Retrieval” International Journal of Computer Applications 0975–8887,Volume 84(11),December 2013.
- 3) Prof.S.M.Chavan,“Color Based Video Retrieval Using Block and Global Methods”, in International Journal of Information Technology & Management Information System(IJITMIS), 0976 – 6413(Online), Vol 5(2), August 2014.
- 4) Prof. S.M.Chavan,A.N.Ghule,C.M.Gaikwad “Color Content based Image and Video Retrieval” in International Journal of Computer Applications, 0975 – 8887, Vol 2, Feb-15.
- 5) Prof.S.M.Chavan,P.A.Joshi“Methods of lecture Video retrieval” in International Conference on Innovations in Computer Science and Information Technology, ISBN 978-93-85100-08-6, Aug-15.
- 6) Prof.S.M.Chavan,S.C.Tamane “Study and design of ontology for cloud based web services attacks: A survey” in International conference on global trends in signal processing, information computing and communications (ICSPICC-2016), IEEE DOI: [10.1109/ICGTSPICC.2016.7955263](https://doi.org/10.1109/ICGTSPICC.2016.7955263),December 2016.
- 7) Prof.S.M.Chavan,S.C.Tamane,”Role Based Access Control using Ontologies,” International conference co-hosted by the open university of Mauritius, South Africa(EMIG-2017),November 2017.
- 8) S.M.Chavan,Dr.S.C.Tamane,”Comparison of Symmetric and Asymmetric Algorithms for Cloud Storage Security “, International Journal of Advanced Science and Technology Vol. 29, No. 03s, (2020), pp. 785-791.
- 9) S.M.Chavan,Dr.S.C.Tamane,”Modsecurity: Ontology for Cloud Based Web Service Attacks”,International Journal of Advanced Science and Technology Vol. 29, No. 9s, (2020), pp. 7766-7773.
- 10) S.M.Chavan,Dr.S.C.Tamane,” DEMERITS, DETECTION & PREVENTION OF SQL INJECTION ATTACKS OVER THE CLOUD COMPUTING”,International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 06, 2020 ISSN: 1475-7192,pp 12499-12507.
- 11) S.M.Chavan,Dr.S.C.Tamane,”Enhancement in cloud security for web application attacks”,IEEE ICSIDEMPC 2020.
- 12) A secure authentication protocol for healthcare service in IoT with Q-net based secret key generation(**Scopus Journal in Progress 2022**)

Book Chapter (in Progress-2022):

Design and Development of Internet of things and medical imaging Artificial intelligence system

Author(s): Rupali A. Mahajan, Smita Chavan, Prajakta Ajay Khadkikar, Gayatri Mahendra Bhandari, Jyoti Manish Shinde

Patent Published:

1. Profile Based Mapping Social Media Sentiments Using Cloud Cluster Security and Deep Learning.
Application no: 202041031966, Application type-ordinary, Date of filling-27-07-2020, Field of invention: Computer Science, Publication date: 21-08-2020.
2. Intelligent Way to Identify the Cloud Based Attacks in Web Application Using Encryption Algorithm
Application no: 202121000341, Application type-ordinary, Date of filling-05-01-2021, Field of invention: Computer Science, Publication date: 29-01-2021.

Copyright Published:

Diary no: 1455/2020-CO/L, Literacy/dramatic, "Cloud cluster security policy using datacrypt based on ontology

Seminars/Conferences/Workshop/ symposia attended

	Course Name	Date(duration)	Venue
1.	STTP on “Pedagogy” (TEQIP)	16/05/2011 01/05/2011 One week	Government Engineering College Aurangabad
2.	STTP on “Skill Matrix Enhancement and Effective Teaching Learning for Quality Technical Education (SMEETL)	28/11/2011 09/12/2011 (ISTE)Two week	Government Engineering College Aurangabad
3.	STTP on “Engineering Optimization Techniques and its Applications in Research” (EOTAR)”	02/01/2012 12/01/2012 (ISTE)Two week	Government Engineering College Aurangabad
4.	STTP on “System Design Using FPGA(SDF-2013)”	24/06/2013 28/06/2013 (TEQIP-II)One week	Government Engineering College Aurangabad
5.	STTP on “Network Security”	7/10/2013 11/10/2013 (TEQIP-II) One week	Government Engineering College Aurangabad
6.	Foundation Training Program for Assistant Professors in Directorate of Technical Education	10/02/1014 to 15/02/2014(phase I) 17/02/2014 to 08/03/2014(Phase-II) 10/03/2014 to 22/03/2014(Phase-III) (Six weeks)	YASHADA PUNE
7.	Workshop on Outcome Based Accreditation (Phase- I and phase-II)	07/06/2014(Phase-I) 14/06/2014 to 16/06/2014(Phase-II) 4 DAYS	Government Engineering College Aurangabad
8.	Certification of Coordination(India’s	28/09/2014	Government

	Biggest championship workshop)	29/09/2014 2 days	Engineering College Aurangabad
9.	Two Days Training program on Big Data Analysis Foundation	10/12/2014 11/12/2014 2 days	Government Engineering College Aurangabad
10.	Workshop on Outcome Based Education and NBA	31/01/2015 01/02/2015 2 days	Government Engineering College Aurangabad
11.	Soft Computing	01/6/2015 13/6/2015 AICTE-two weeks	Singad COE PUNE
12.	Hydrological Modelling using Open-Source Geospatial Techniques	27/10/2015 31/10/2015 (one week) TEQIP-II	Government Engineering College Aurangabad
13.	Pedagogy to Synergogy	07/12/2015 11/12/2015 (one week) TEQIP-II	Government Engineering College Aurangabad
14.	Use of ICT in Education for Online and Blended Learning	02/05/2016 10/07/2016 (4 weeks)	Remote Training center, MIT Aurangabad
15.	Workshop on Big Data and Data Text Analytics	15/10/2016 16/10/2016 (02 Days)	Government Engineering College Aurangabad
16.	Latex-A Document Preparation Software	14/11/2016 15/11/2016 (02 Days)	Government Engineering College Aurangabad
17.	Signal and Image Processing	06/02/2017 10/02/2017 (01 week)	Government Engineering College Aurangabad
18.	Optimization In Machine Learning	27/02/2017	Government

		03/03/2017 (01 week)	Engineering College Aurangabad
19.	Data Analytics for process Monitoring, Soft Sensing and Controller Performance Assessment	25/03/2017 27/03/2017 (3 days)	Government Engineering College Aurangabad
20.	Cloud Computing and Virtualization	26/06/2017 30/06/2017 (01 week)	MGM's JNEC Aurangabad
21.	STTP on Induction/refresher program for teachers	04/06/2018 09/06/2018 (01 week)	PES Modern college of engineering, Pune
22.	NPTEL-AICTE-FDP Cloud Computing	Aug-Sep 2018	Online NPTEL course
23.	FDP on Artificial intelligence using Deep Learning and machine learning	1/1/2019 5/1/2019 (01 week)	MGM's JNEC Aurangabad
24.	FDP on Outcome based education with assessment and Evaluation(OBEAE-19)	21/01/2019 25/01/2019 (01 week)	Government Engineering College Aurangabad
25.	STTP on Role of industry institute interaction and Alumni for development of technical education	11/03/19 15/03/19 (01 week)	Government Engineering College Aurangabad
26.	SwayamNPTEL-AICTE-FDP Introduction to research	Aug-Oct-19 (8 weeks)	Online NPTEL course
27.	SwayamNPTEL-AICTE-course on Academic Writing	July to Nov-19 (15 weeks)	Online NPTELSwayamMo oC course
28.	Regional Research Symposium on PBL	21 Nov 23 Nov 2019 3 days	KLE Hubballi,Karnataka
29.	Remote sensing and Geographic information system(RSGIS-20)	29 th Jan 20 2 nd Feb 20	GECA IT dept
30.	Online AICTE Recognized Faculty Development Programme On" NBA Accreditation of Engineering Programs	11-05-20 15-05-20 (One Week)	Mechanical Engineering Department NITTTR, Chandigarh
31.	LaTeX	27-4-20	Spoken Tutorial

	Training	1-5-20 (One Week)	Project, IIT Bombay Sinhgad College of Engineering, Vadgaon
32.	INTRODUCTION TO BLOCKCHAIN CRYPTOCURRENCY”	18 th July 2020 22 nd July 2020 (One Week) TEQIP	Government Engineering College Aurangabad
33.	Next generation software tools and trends for industrial solutions, current practices NGST2020	13 June 2020 17 June 2020 (One Week) TEQIP	Government Engineering College Aurangabad
34.	AICTE Training And Learning (ATAL) Academy	26-05-2020 30-05-2020 (One Week)	Indian Institute of Technology Patna.
35.	Experience Design: Design Thinking for Educators in the New Normal”	24 th , 25 th , 26 th August, 2020 3 days	Government Engineering College Aurangabad
36.	Digital transformation in teaching learning process	6-4-2020 22-4-2020 (Two week)	Swayam
37.	Image Processing and Data Science with MATLAB (IP&DSWM 2020)”	07 th July 11 th July 2020. (One Week) TEQIP	Government Engineering College Aurangabad
38.	Heartfulness Enabled Leadership Mastery(HELM)	29 th Aug 23 rd sep 2020 (One Week) (TEQIP-III)	Government Engineering College Aurangabad
39.	Recent Trends in deep Learning(RTIDL- 2020)	4 th sep 2020 8 th sep 2020 (One Week) TEQIP	Government Engineering College Aurangabad
40.	Research Paper Writing and Citation Manager	21 st June 2020	P. E. S. College of Engineering, Aurangabad.
41.	Python for Data Science and Artificial	16 th Feb	Government

	Intelligence	20 th Feb 2021 (TEQIP-III) (One Week)	Engineering College Aurangabad
42.	Two weeks online industrial training program on IIOT	16-03-21 30-03-21 (Two Week)	NSIC Hyderabad
43.	Cpp Programming	7th June 13th June 2021 (One Week)	Government Engineering College Aurangabad
44.	Cloud Computing and Security Challenges	10-01-22 15-01-2022 (One Week)	Vidya Pratishthan's Kamal Nayan Bajaj Institute of Engineering and Technology, Baram ati, Maharashtra
45.	DTE sponsored one week industrial training program on developing internet of Things(IOT) solutions and Azure	14 feb 18 Feb 2022 (One Week)	GEC Amravati

Organized workshops

1	FDP on Outcome based education with assessment and Evaluation(OBEAE-19)(TEQIP-III)	21/01/2019 25/01/2019 (One Week)	Government Engineering College Aurangabad
2	STTP on Role of industry institute interaction and Alumni for development of technical education(DTE)	11/03/19 15/03/19 (One Week)	Government Engineering College Aurangabad
3	Remote sensing and Geographic information system(RSGIS-20)	29 th Jan 20 2 nd Feb 20 (One Week)	GECA IT dept
3	Image Processing and Data Science with MATLAB (IP&DSWM 2020)"	07th July 11th July 2020. (One Week)	Government Engineering College Aurangabad
4	INTRODUCTION TO	18 th July 2020	Government

	BLOCKCHAIN CRYPTOCURRENCY” (Coordinator)	22 nd July 2020 (One Week)	Engineering College Aurangabad
5	Image Processing and Data Science with MATLAB (IP&DSWM 2020)”	07th July 11th July 2020 (One Week)	Government Engineering College Aurangabad
6	Recent Trends in deep Learning(RTIDL- 2020)	4 th sep 2020 8 th sep 2020 (One Week)	Government Engineering College Aurangabad
7	Workshop on Basics of ASP.NET and its Applications	07 March 2021 to 08 March 2021 2 Days	Government Engineering College Aurangabad