

Curriculum Vitae

Name: Ms. Sushama. A. Deshmukh.
Address: RH. No. 25, Apratim Vastu, Beed Bypass Road,
Aurangabad. (MS) 431010.
E-mail: sushma.deshmukh@mit.asia
sushama.deshmukh20@gmail.com
Mobile: +91 9881734525
Date of Birth: 1st July, 1981
Website: <https://sites.google.com/view/sushama-deshmukh/about-me>



Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	Class
Ph.D.	Computer Science and Engineering(Security)	Dr. B.A.M. U. Aurangabad	Dr. B.A.M. U. Aurangabad	Perusing	Perusing
M.E.	Computer Science & Engineering	GEC Aurangabad	Dr. BAMU, Aurangabad	2018	First Division
B.E.	Information Technology	JNEC Aurangabad.	Dr. BAMU, Aurangabad	2006	Distinction

M. Tech. Project: Frequent item set mining on large uncertain dataset.

Key Research Areas:

Information/Data Security

Machine Learning

Software Engineering

Database Management System

Experience

Sr. No.	Organization	Post	From To	No. of Years
1	Maharashtra Institute of Technology, Aurangabad.	Assistant Professor	1 st Aug, 2008 to Till Date	14.6 Years
2	Maharashtra Institute of Technology, Aurangabad.	Lecturer	5 th Feb, 2007 to 31 st July, 2007	6 Months

List of Courses Taught/Teaching at UG level

- Computer Fundamentals and Programming
- Software Engineering
- Database Management System
- Professional Ethics and Cyber Security
- Web Programming

List of Courses Taught/Teaching at PG level

Additional Assignments/Duties

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

- Worked as Internal and External Examiner for the Theory and practical examinations.
- Syllabus Setter for various courses

Maharashtra Institute of Technology, Aurangabad.

- Working as a Departmental ICC Coordinator
- Worked as a Departmental Autonomy Coordinator
- Working as a coordinator for NBA Criteria IV and NAAC Criteria III
- Departmental Library In Charge
- Working as a Lab In Charge
- Working as a Department level In charge of Professional Society Activities(CSI & ISTE)
- Working as a TGS Mentor
- Working as a Students Activity In Charge
- Worked as a Student Branch Counsellor of CSI
- Working as a Coordinator of various events/activities
- Worked as a Coordinator of State level Event TechnoMIT2013 and TechnoMIT2017
- Worked as a Practical Exam Coordinator
- Worked as a Central TW/CT Marks Verification Committee Member
- Worked as a Seminar Coordinator
- Worked as a Class Teacher
- Worked as a Class Test Coordinator
- Worked as a AICTE Dept. Coordinator
- Worked as a DTE Dept Coordinator
- Worked as a LIC Dept Coordinator

- Worked as a University Affiliation Committee Member

Membership of Professional Bodies

- Life member of ISTE (LM 55851)
- Life member of Computer society of India (01219551)

Research Projects/Projects Guided

- **Sponsored project** - A commercial website for providing cleaning services sponsored by Ashtvinayak Tank Cleaners.
- **Sponsored Project** - A **commercial Website for Sipra Travel Agency**, sponsored by Sipra Travel Agency.
- **Software Engineering Virtual Lab Simulator** with the User's Performance Evaluation Report for the Experiment: Identify Appropriate Software Process Model for the Given Scenario and Comparison of Basic Software Process Models. - © Copyright. Web Application (Copyright Registered under Software Category)
- **Vaccination Management System: "VACC-IT"** - Android Application. - © Copyright Project Poster.
- **E-based Municipal Corporation** – Web Application
- Online Food Delivery System - Android Application
- Student Teacher Portal - Android Application
- Online Job Assessment and Tracking System - Web Application

Computer/Software Proficiency

- Microsoft SQL Server
- Web Technologies
- WAMP & XAMP Server
- C Programming
- Atom
- FreeMind
- Google Web Designer
- MS Office
- StarUML
- Visual Paradigm

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

- **AICTE ATAL Sponsored National level one week FDP (Online Mode)** on “Cyber Security and Cyber Forensics “, held during 5th – 9th July 2021, at Maharashtra Institute of Technology, Aurangabad.
- An Author workshop on "**Fundamentals of Publishing in Top Journals**" , in association with **ThinkQuest Club & collaboration with Elsevier**, organized by Maharaja Agrasen Institute of Management Studies (MAIMS), 16th June 2021.
- **Clarivate - Journal of Citation Reports (JCR), Training and Certification series – 2021**, successfully completed with 86.7% score, 15th & 17th June 2021.
- "**Research Training**" - Online Program by **Ministry of MSME – Technology Development Centre (PPDC) Agra, Govt. of India**, 3rd to 15th May 2021, 2 Weeks.
- **National Symposium** on Cyberspace 2021 “Cyber Crime Investigation and Dark Web” , VCC, University of Mumbai, 27th & 28th May 2021
- **AICTE and ISTE approved Orientation/Refresher program on “Data Analysis using Deep Learning”** held during 14th December 2020 to 19th December 2020 organized by National Engineering College, K.R.Nagar, Kovilpatti, Tamilnadu.
- **AICTE**, online 1 week FDP on “Incorporating Universal Human Values In Education-I” (an AICTE Initiative), 14th December 2020 to 18th December 2020, completed successfully.
- Webinar on “Career Building in Cyber Security and Cyber Forensics – A Practical Approach” – By Dr. Anup Giridhar (Ph. D., Cyber Security), CEO, Sedulity Solutions and Technologies, Delhi. 15th December 2020.
- One week training program on Data Analytics, organized by department of CSE, MIT Aurangabad, in association with Deloitte TTI LLP Mumbai. 16-21 August 2020,
- Accreditation Webinar Series, W6- Development and use of rubric for effective assessment, on 28th July 2020, organized by National Institute of Technical Teachers’, Training and Research, Bhopal.
- Faculty Enablement Program on “Database Management System through INFYTQ Platform” organized and conducted by Infosys Limited on 22-24th July 2020.
- A National Webinar Series on “Digital content Creation for Social Media”, organized by Bombay Teachers’ Training College in collaboration with Thadoaml Shahani Engineering College, from 6-11th July 2020.

- National Webinar on “Effective and efficient writing of research papers for web of science, Scopus indexed journal and Conference papers using Typeset Research Studio” Organized by Department of Electronics & Telecommunication & Central Library, AISSMS COE, Pune, on 1st July 2020.
- One day International Workshop on “Angular JS to Develop Web Apps Faster”, organized by TKR COET, CSED in association with NYCI and Brainovision Solutions India Pvt. Ltd. On 26th June 2020.
- Webinar on IOT, organized by CSED, NIT, Nagpur on 26th June 2020.
- Webinar on “Research Paper Writing and Citation Manager” on 21st June 2020 organized by Department of Computer Science and Engineering, P. E. S. College of Engineering, Aurangabad.
- International Web Conference on “Impact of COVID-19 on Library Resource Sharing, organized by MIT group of Institutions, Aurangabad, MS, India on 12-13th June 2020.
- Workshop on "The Growing Role of IOT in COVID -19 and Health Care", organized by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal with Department of Information Technology, Shri G. S. Institute of Technology & Science, Indore (M.P.) in association with WILEY India Pvt. Ltd, 8 – 10th June 2020.
- International Web Conference on Impact of COVID-19 on Education System, organized by Dr. BAMU, Aurangabad, MS, India, in association with CSI, Wikimedia India and IETE, on 30th May 2020.
- Webcast on Advanced OBE - Identifying weaker Students and remedial actions, organized by Inpods Ed-tech, 21st May 2020.
- "Awareness Program on Intellectual Property Rights” Quiz (83%), Shri Chhatrapati Shivajiraje College of Engineering 16th May 2020.
- Webinar on Reinventing Research: IPR Incubation Centre for Revenue Generation, PSP-IP and Associate (P) LTD, 15th May 2020.
- Online FDP on “Outcome Based Education: A Step towards Excellence” organized under Margdarshan Scheme of AICTE by Government College of Engineering, Karad, 11-15th May 2020.
- National Level Bootathon, 2019, 2nd Nov to 11th Nov 2019, REC Banda U.P.
- FDP on Data Science under PMMMMNMTT in association with Shivaji University, Kolhapur, 24th June to 30th June 2019, MIT-BTECH Aurangabad.

- National level, VLAB Bootcamp 2.0 organized by IIT Bombay, 6th to 11th February 2019, MIT-BTECH Aurangabad.
- A One Week Refresher Course on "Use of ICT for effective Teaching Learning", 8th January, to 12th January, 2019, MIT-BTECH Aurangabad.
- Industrial Visit to ISRO Hyderabad, 5th October 2018.
- FDP on “Cyber Security”, 28th Jan, 4, 11 Feb17, MIT-BTECH Aurangabad.
- TTT Program on “Foundation Skills in IT” DTE and NASSCOM jointly conducted one week Train the Trainer program, 27th Jun 2016 – 02nd July 2016, GECA.
- FDP “Empowering Faculty in English Communication and Soft Skills”, 11-16 Jan 2016, MIT-BTECH Aurangabad.
- Faculty Enablement Program on Foundation Program 4.0 STTP, 5th to 9th January 2015. Infosys Limited, Pune at SGI, Atigre, Kolhapur.
- Faculty Enablement Program on “Mobile App Development” 14-18th July 2014. Infosys Pvt. Limited, Pune at SRCCEM, Nagpur.
- Workshop on Network Security, 10th to 11th January 2014, DIEMS, Aurangabad.
- Workshop on DBMS conducted by IIT Bombay, 21 to 31 May 2013 MIT, Aurangabad.
- Conference on "Recent Trends in IT " organized by MIT, Aurangabad. 28 Feb and 1st March 2013, Institute of Chartered Accountants of India, Aurangabad.
- Faculty and content Development, 8-10 July 2013, MIT, Aurangabad.
- Faculty Induction Program, 9th to 11th Jan 2012, MIT, Aurangabad.
- Workshop on Second Year Engineering. (CSE/IT) Syllabus (revised) and Guidelines for design of questions, problems in paper setting and discussion suggestions about paper pattern and practical exam question pattern organized by BOS in JNEC, Aurangabad. 20/10/2012.
- Workshop on Software Development Techniques for Engineers & Scientists (SDTES) Conducted by IIT Bombay. (NMEICT), 05th Nov to 4th Dec 2011, IMCC, Pune.
- Latex Workshop IIT Bombay, 17th Nov, 2011, MIT Aurangabad.

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

- **AICTE ATAL** sponsored **National level one week FDP** (online mode) on “Cyber Security and Cyber Forensics” is organized with Dr. S. L. Kasar, 5th - 9th July 2021, at Maharashtra Institute of Technology, Aurangabad.

- Organized an **Online National Level Event “Saptarang-2021”** - Digital Poster Design and Movie/Animation Making Competition”, 19th May to 19th June 2021
- **Webinar on “Career Building in Cyber Security and Cyber Forensics – A Practical Approach”** – By Dr. Anup Giridhar (Ph. D., Cyber Security), CEO, Sedulity Solutions and Technologies, Delhi. 15th December 2020.
- **Institute Level Event QUBEX 2020**, on the occasion of 53rd Engineer’s day, 15th September 2020.
- **One week State Level, Training Program** on “Data Analytics” in Association with **Deloitte Mumbai**, 16 – 21st August 2020
- Organizing Committee Member of an Online National Event “Tech-Pro”, a Project Competition, 27th June 2020.
- Organized an **Online National Event “Digital Poster Design and Movie/Animation Making Competition”**, 5th June 2020.
- **Member of organizing committee of International Web Conference on Impact of COVID-19 on Education System, organized by Dr. BAMU**, Aurangabad, MS, India, in association with CSI, Wikimedia India and IETE, 30th May 2020.
- **Organizing Committee Member and Coordinator- The Competitive Coding** event under The State level Event TechnoMIT 2K 19, 5th October 2019.
- Organized a department level Quiz Competition on GK, 24th August 2019.
- **One week STTP on “Soft Skills” By Mahindra Pride Classrooms & Naandi Foundation Employability Enhancement & Youth Livelihood Program**, 19 to 24 Aug, 2019.
- Workshop on Advanced Web Development, 3 Days, 14th to 16th Feb 2019.
- Workshop on Design Internet of Things Applications, 3 Days, 05- 07th February 2018.
- Organized Department Level Quiz Competition (GK) on 30th August 2018.
- **Institute level workshop on Android App Development** 5 Days, 13 to 15, and 20, 21 August 2017.
- Workshop on Laptop Troubleshooting and Maintenance, 1 Day, 11th August 2017
- **Institute level workshop on “Loophole Ethical Hacking”**, 2 Days, 16th - 17th March 2016.
- **Institute level workshop on Java Technology**, 2 Days, 11-12 February 2016, MIT-BTECH Aurangabad.
- **Institute level C Programming Contest**, 2 Days, 23-24th September 2015.
- **Proactively Started Wall Magazine, Monthly,” What’s UP!”**, 28th January 2014

- Organized and coordinated, 3 days **State Level Event TechnoMIT 2013**, on 20-21st September 2013.

Invited as Resource Person

- Invited as a **Content Development Expert** to design Virtual Laboratory, in **National level Bootathon (Bootcamp + Hackathon), Rajkiya Engineering College, Banda, U. P.** 4th to 11th, Nov 2019.

Intellectual Property Rights:

Sr. No.	Title	Registration Number	Class of Work	Status
1	Software Development Life Cycle and Basic Software Process Models	L-89022/2020	Literary/ Dramatic	Registered
2	Software Engineering Virtual Lab with the User's Performance Evaluation Report for the Experiment: Identify Appropriate Software Process Model for the Given Scenario and Comparison of Basic Software Process Models.	SW-13289/2020	Computer Software	Registered
3	Project Poster Vacc-IT	L-91099/2020	Literary/ Dramatic	Registered

Patent:

Patent Filed: MTrack: Automatic Patient Record Management System, published in the Indian Patent Journal No.:09/2020 dated February 28, 2020. The application details are available online and may be views at the below link.

<https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus>

List of Research Publications

Papers in National/ International Journal

- Singh C, Chauhan D, Deshmukh SA, Vishnu SS, Walia R, Medi-Block record: Secure data sharing using block chain technology, Informatics in Medicine Unlocked (2021), doi: <https://doi.org/10.1016/j.imu.2021.100624>.

- Sushama Deshmukh, July 2017, “An Improved on Mining Frequent Item Sets on Large Uncertain Databases”, International Journal for Scientific Research & Development| Vol. 5, Issue 04, 2017 | ISSN (online):

Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
24 April 2020	2 May 2020	2	PHP and MySQL (Spoken Tutorial IITB-NMEICT, Powered by MHRD India)	Highest Grade 70.83	Very Good
29 Jul, 2019	20 Sept, 2019	8	Teaching and Learning in Engg (TALE –II)	66	Elite Silver

Professional Certification

- **AI Chatbots without Programming (IBM Professional)** 7th July 2020.
- **SQL for Data Science**, University of California, Davis, Coursera, 14th May 2020
- **IBM Certified Database Associate DB2 9 Fundamentals** 23rd March 2010

Awards, Achievements and Recognition

- Qualified Ph. D entrance exam of Dr. B. A. M. University, Aurangabad and applied for Ph. D. Program.
- Successfully conducted FDP on Cyber Security and Cyber Forensic s(Online mode), approved under AICTE ATAL scheme as a Co Convener, during 5th -9th July 2021-22, at Maharashtra Institute of Technology, Aurangabad.
- **Reviewer of 10 experiments of Virtual lab** on “Python for Basic Arithmetic Operations”, **proposed by IIT Kanpur**. It is hosted live on virtual lab portal by IIT Kanpur. <https://python-iitk.vlabs.ac.in/>

- **Patent Filed:** MTrack: Automatic Patient Record Management System. Patent Application No.: 202021007709, published in the Indian Patent Journal No.:09/2020 dated February 28, 2020. The application details are available online and may be views at the below link.

<https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus>

- **Copyright Registered in Software Category** for “Software Engineering Virtual Lab with the User's Performance Evaluation Report for the Experiment: Identify Appropriate Software Process Model for the Given Scenario and Comparison of Basic Software Process Models.” © **Copyright under Software Category.** In 20th Feb 2020.
- **Appreciated for contribution** as a Member of organizing committee of **International Web Conference on Impact of COVID-19 on Education System, organized by Dr. BAMU, Aurangabad, MS, India,** in association with CSI, Wikimedia India and IETE
- **IBM Professional, Certified Developer in AI Chatbots** without Programming.
- **E-Content,** Power Point Presentation on Topic “Software Development Life Cycle and Basic Software Process Models” © **Copyright** under Art/Literary Work. 22/01/2020. This can be explored on the following link.
<https://www.slideshare.net/SushDeshmukh/sdlc-and-software-process-models-introduction-ppt>
- Invited as a resource person - **Content Development Expert** and as a Mentor to design Virtual Laboratory, in **National level Bootathon** (Bootcamp + Hackathon), **Rajkiya Engineering College, Banda, U. P.** 4th to 11th, Nov 2019.
- **Contributed to the Educational Society** by developing virtual lab simulator for the subject Software Engineering. That Experiment has been published by IIT Bombay. This can be explored on the following link. In August 2019.
http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/sw_engg/labs/index.php
- Certified as **Virtual Labs Silver Developer** for the development of virtual lab for the subject Software Engineering, in May 2019
- Recognized as a **member of peer reviewer committee Nationally for Virtual Lab** development, **a project from MHRD** in association with IIT Bombay. In April 2019.

- **Appreciated for an excellent teaching** for the course RDBMS practical, SY CSE B, Part II for the academic year 2017-2018.
- **Appreciated for an excellent teaching** for the course RDBMS practical, TY CSE Part I for the academic year 2017-2018.
- Completed PG- Master of Engineering in Computer Science and Engineering from Govt. College of Engineering Aurangabad in June 2018.
- Awarded with **Infosys - Bronze Partner Faculty** 2015-16.
- **CSI Best Student Branch Award** under my coordination as a Student Branch Counsellor for the year 2013-14
- Extracurricular Activity- First Prize in Antakshari Kalavihangam 2012.
- **IBM Certified Database Associate DB2 9 Fundamentals** 23rd March 2010

Social Activities

“Never ever depend on governments or institutions to solve any major problems. All social change comes from the passion of individuals.” - Margaret Mead

Visited to Matoshri old age home. on 3rd Feb 2021.





Date: 25-07-2021
Place: Aurangabad.