

**Name:**

Prof. Bhavana Chandramani Julme

Designation:

Assistant Professor

Contact Details:

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Educational Qualifications:

- ME Computer Science Engineering (CSE), Swami Ramanand Teerth Marathwada University (SRTMU), Latur Road, Nanded 2011.
- BE Computer Technology(CT), Nagpur University, Amravati Road, Nagpur 2006

Experience:

- Teaching: 17 Years

Research Interests:

- Artificial Intelligence and Robotics
- Information and Cyber Security
- Cloud Computing
- Internet of Things and Embedded System
- Image Processing
- Database Management System
- Web Technology

Patents: (Details)

- Artificial Intelligence based heart rate monitoring device for sports training 14/06/2024 Design No: 420054-001 in the name of 1.Prof. Bhavana Chandramani Julme 2. Prof.Reshma Rajanand Owhal 3.Prof. Bajirao Baban Kondbhar 4.Prof. Girish Jaysing Navale. In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

Number of Publications:

International Journal: 11

International Conference: 01

Recognition/ Awards:

- Award and Certificate of participation in “Guinness World Record for distributing the largest number of saplings of a single species of plant i.e total of 16,731 saplings of Neem were distributed to National Social Service (NSS) volunteers in the SPPU campus pune, in the presence of chief minister Devendra Fadnavis and vice-chancellor Nitin Karmalkar on 23rd June 2019”

Number of FDPs / STTPs attended: 35

Number of Workshops attended: 14

Number of Online Certification Courses done: 8

Details of Research papers published:

- Research Paper on “Social Distance Detection and Alert System using Deep Learning and Computer Vision” in International Journal of innovative Research in Science, Engineering and Technology (IJRSET) | e-ISSN: 2319-8753, p-ISSN: 2320-6710 April 2022
- Research Paper on “DiGiVoter: Online Voting System” in International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN No.: 2321-9653 May 2022
- Research Paper on “Secure Report Sharing Platform for Healthcare System” in International Journal for Research and Development in Technology Volume-13,Issue-6(Jun-20) ISSN (O) :- 2349-3585 June 2020
- Research Paper on “Secure Report Sharing Platform for Healthcare System” in International Journal of Innovative Research in Computer and Communication Engineering e-ISSN: 2320-9801, p-ISSN: 2320-9798 Impact Factor: 7.488 Volume 9, Issue 5 May 2020
- Research Paper on “Hateful Speech Detection form short text using NLP and Machine Learning Techniques” in International Journal of Innovative Research in

Science, Engineering and Technology (IJIRSET) e-ISSN: 2319-8753, p-ISSN: 2320-6710|Impact Factor: 7.512 Volume 9, Issue 5 May 2020

- Research Paper on “Survey on Social Network Mental Illness Prediction Using Online Social Media Mining” in International Journal Research Development Technology Volume-II, Issue-4 ISSN No. 2349-3585 April 2019
- Research Paper on “Implementation on Occluded Face Detection” in International Journal of innovative research in computer Vol 7 Issue -3 ISSN No. 2320-9801 March 2019
- Research Paper on “Survey on Social Network Mental Illness Prediction Using Online Social Media Mining” in International Journal of Innovative Research in Science, Engineering Technology Volume-8 Issue-1 ISSN(Online) No. 2319-8753 ISSN(Print): 2347-6710 January 2019
- Research Paper on “Improving Cloud Data Storage Security using Data Partitioning Technique” in International Journal of Novel Research In Computer Science and Software Engineering Volume 3 Issue-1 ISSN No. 2394-7314 March 2016
- Research Paper on “SQL Injection and Prevention Techniques” in International Journal of Science, Engineering and Technology Research Volume 3 Issue-4 ISSN 2278-7798 April 2014
- Research Paper on “Automatic Licence Plate Recognition System (alpr) using Enhanced Image Processing Techniques for Criminal Surveillance” in International Journal of Engineering Research and Technology(IJERT) Vol 3 Issue-2 ISSN No. 2278-0181 February 2014
- Research paper on “Head Pose Estimation and Voice Recognition System for Driver Assistance” on International Conference on Advanced Computer Science and Information Technology (ICACSIT) Nagpur 23 February 2013

Details of FDPs / STTPs attended in last 5 years:

- Five Days Short Term Training Program(STTP) on “Navigating Digital Era Through Generative AI and Prompt Engineering” organized by Department of Computer Engineering, MKSSS’s Cummins College of Engineering for Women, Pune from 11th November 2024 to 15th November 2024.
- One Week Short Term Training Program(STTP) on “AI Enhanced Research Writing : Tools, Techniques and Best Practice for Academics” organized by Department of Billari Institute of Technology and Management, Karnataka & RSP Science Hub, Coimbatore, Tamil Nadu, India from 2nd September 2024 to 7th September 2024.
- Two Week Short Term Training Program (STTP) on “ Research Writing , Funding Proposal Development and Patent Drafting” organized by Vidya Vihar Institute of Technology, Purnea Bihar India & RSP Science HuB, Coimbatore Tamil Nadu India from 8th July 2024 to 20th July 2024.

- One Week National Level Faculty Development Program on “ Innovative Practices in Teaching Learning Process” organized by SND College of Engineering & Research center, Yeola Nashik from 18th March 2024 to 22nd March 2024.
- One Week National FDP on "Deep learning applications development, Tools and Research” organized by Artificial Intelligence & Data Science Department VIIT,Pune from 28th Feb to 4th March 2023
- One Day Online Faculty Orientation Program on “Database Management System” TE (AI & DS) 2019 Course organized by Marathwada Mitramandal’s INSTITUTE OF TECHNOLOGY (MMIT) Lohgaon, Pune 411047 In association with Board of Studies Computer Engg. Savitribai Phule Pune University(SPPU),PUNE on 6th August 2022
- Online Faculty Orientation Program on the new curriculum for BE-Computer Engineering (2019 Course) for the subject “Elective V- Software Defined Network (410252C)” organized by Pune Institute of Computer Technology, Pune Department of Computer Engineering under the guidance of Board of Studies-Computer Engineering, Savitribai Phule Pune University, Pune on 20th January 2023
- Three days Face-to-Face FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) at PVG’s College of Engineering and Technology and G K Pate Wani Institute of Management, Pune from 3rd April to 5th April 2023
- One Day FDP on “Artificial Intelligence” organized by Department of Computer Engineering, Bharati Vidyapeeth's College of Engineering, Lavale, Pune in association with SPPU Pune on 24 Jan 2022
- One Day Online Faculty Orientation Program on revised syllabus of TE-IT(2019 course) for subject Software Modeling & Design (Elective II) and Laboratory Practice II organized by Department of Information Technology of Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar in association with Board of Studies-Information Technology (BoS-IT), Savitribai Phule Pune University, Pune on 3rd Feb 2022
- One day Faculty Development Program on "Cloud Computing" organized by Department of Computer Engineering, Amrutvahini College of Engineering, Sangamner, in association with the Board of Studies in Computer Engineering, Savitribai Phule Pune University on 11th Feb 2022
- AICTE - ISTE Sponsored One Week Online Induction/Refresher Program on “Artificial Intelligence and Machine Learning: Applications, Challenges and Opportunities” organized by Department of Computer Engineering, PES’s Modern College of Engineering, Pune – 05 from 9th to 15th Feb 2022
- One Day Online Faculty Orientation Program on, “Internet of Things (217529), SE Artificial Intelligence and Data Science 2020 Pattern” in association with BoS (Computer Engineering), SPPU, Pune organized by Department of Artificial

Intelligence and Data Science, K.K.Wagh Institute of Engineering Education and Research on 22nd Feb 2022

- Five days FDP (online mode) Advancement in IOT organized by Department of Computer Engineering in association with CSI student chapter MMCOE from 8th to 12th June 2020
- One Day HANDS-ON Faculty Development Program on “Web Development” organized by Department of Electronics & Telecommunication Engineering, A.I.S.S.M.S. Institute of Information Technology, Pune Supported by I.E.T.E. Pune Section in association with Brainovision Solutions India Pvt.Ltd. on 13th Dec 2020
- One week Faculty Development Program on “Interactive Teaching Learning Strategies With Affective & Cognitive Approach (ITLS)” organized by Department of Electronics and Telecommunication Engineering at PVG’s COET & GKPIM ,Pune from 21st to 25th June 2021.
- AICTE Training And Learning (ATAL) Academy Online FDP "Robotics" organized by Ramrao Adik Institute of Technology from 14th to 18th Dec 2020
- AICTE Training And Learning (ATAL) Academy Online FDP "Cyber Security" organized by IIT Bhilai from 7th to 11th Dec 2020.
- AICTE Training And Learning (ATAL) Academy Online FDP "Artificial Intelligence" organized by Sarvajanik College of Engineering and Technology from 23rd to 27th Nov 2020.
- AICTE sponsored One week STTP “Developing Pedagogy for Effective Implementation of Outcome based Education in Engineering Institutes” organized by Department of Computer Engineering, Pune Institute of Computer Technology,Pune from 26th to 31st Oct 2020.
- Three Day FDP on “Outcome Based Education” organized by Internal Quality Assurance Cell of PVG's College of Engineering and Technology, Pune-09 in the association with Mr. Ajay Bhagwat of INPODS from 6th to 8th Oct 2020.
- Three Days FDP on “Recent Trends in Technology and Digital Education organized by Marathwada Mitra Mandal's College of Engg. (Dept. of E&TC Engg.) in association with ISTE from 27th to 29th May 2020.
- One Week FDP on “Linux” organized by PVG’s COET Pune-09 Electronics Engg. Department in Association with Spoken Tutorial IIT Bombay from 25th to 29th May 2020.
- One Week FDP on “Scilab” organized by PVG’s COET Pune-09 Electronics Engg. Department in Association with Spoken Tutorial IIT Bombay from 18th to 22nd May 2020.
- One Week FDP on “Drupal” organized by PVG’s COET Pune-09 Computer Department in Association with Spoken Tutorial IIT Bombay from 18th to 22nd May 2020.
- One Week FDP on “PHP and MYSQL” organized by Pravaras Sir Visvesvaraya Institute of Technology, Nashik Computer Department in Association with Spoken Tutorial IIT Bombay from 8th to 13th May 2020.

- Two Week FDP on “JAVA” organized by Sinhgad Academy of Engg., Pune in association with Spoken Tutorial IIT Bombay from 4th to 15th May 2020.
- One Week FDP on “R Language” organized by STE’s NBNSOIE Pune IT Department in Association with Spoken Tutorial IIT Bombay from 4th to 9th May 2020.
- One Week FDP on “Java Business Application” organized by PICT Pune in Association with Spoken Tutorial IIT Bombay from 27th April to 2nd May 2020.
- Two Days FDP on “Python 3.4.3” organized by PVG’s COET Pune-09 Computer Department in Association with Spoken Tutorial IIT Bombay from 13th to 14th Aug 2019.
- One Week FDP on “Cloud Computing using Amazon Web Services” organized by Trinity College of Engineering & Research, Pune in association with ABCIS Learning Pvt. Ltd, Pune from 3rd to 7th June 2019.
- One Week FDP on "ExpEYES" organized by "Department of E&TC Engineering, ABMSP's APCOER, Parvati, Pune in Association with Spoken Tutorial, IIT Bombay from 1st to 5th June 2019.
- Faculty Development Center in Cyber Security Shivaji University Kolhapur organized by Cyber Security and Data Science Workshop from 26th Feb to 4th March 2019.
- FDP on “Cloud Computing” organized by D.Y .Patil Institute of Technology, Pimpri,Pune on 2nd January 2019.
- FDP on “Artificial Intelligence and Robotics” organized by Pimpri, Chinchwad College of Engineering, Nigdi, Pune from 5th and 6th July 2018.

Major Portfolios Handled: (college level and department level)

- NSS Program Officer (College Level)
- Vigilance Officer (College Level)
- Exam Coordinator (Department Level)
- Project Coordinator (Department Level)
- Honors Course Coordinator (Department Level)
- Purchase Coordinator (Department Level)
- Deadstock Coordinator (Department Level)
- Gathering Discipline Committee Coordinator (College Level)
- Social Network Site Coordinator vix.youtube,facebook (College Level)
- Workshop Coordinator (Department Level)
- NBA Co-Coordinator (Department Level)