

Name: Mrs.Vrushali R. Sonar

Designation: Lecturer

Department: Computer Engineering

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Educational Qualifications

ME(Information Technology)

BE (Computer Technology)

Experience

Teaching: 25 Years

Publications

International Journals:

- 1) "Employee Tracking and Management ", IJARCCE, Volume 6, Issue 3, March 2017
- 2) "Bluetooth Controlled Car System", , IJARCCE, Volume 6, Issue 3, March 2017
- 3) "Security in cashless transaction", NCETCET'18, 27-28 Jan 2018
- 4) "Survey Paper on Android Based EncryptedMessage System", IJIRSET, Volume 7, Issue 1, January, ISSN (Online) : 2319 – 8753 ISSN (Print) : 2347 – 6710, January 2018
- 5) "Graphical Password to Avoid Shoulder Surfing" IJSRD - International Journal for Scientific Research & Development| Vol. 7, Issue 01, 2019 | ISSN (online): 2321-0613
- 6) "A Survey on Travel Recommendation Basedon Social Media Facebook POI" IJIRSET.2019.0802003, ISSN(Online): 2319-8753, ISSN (Print): 2347-6710
- 7) "Student Attendance Monitoring System using Fingerprint Recognition" IJSRD - International Journal for Scientific Research & Development, Vol. 8, Issue 1, 2020 | ISSN (online): 2321-0613

- 8) “Smart Gadget Bin For E-Waste Management”, IRJ Volume: 07 Issue: 03 | Mar 2020 ET, e-ISSN: 2395-0056
- 9) “Development of Speed Breaker Identification System Using Smart Phones”, IJIRSET- Volume 10, Issue 5, May 2021
- 10) “Interfacing two-Digit 7-Segment with 8051 Microcontroller”,IJIRCCE- Volume 9, Issue 5, May 2021
- 11) “Social Distancing Detector”, IRJETV Volume: 08 Issue: 06 | June 2021
- 12) “Women’s Safety and Emergency Application”, IJIRMPS | Volume 9, Issue 3, 2021
- 13) “A Survey on Women’s Safety and EmergencyApplication”, IJIRSET-Volume 10, Issue 6, June 2021
- 14) “Sign Language Interpreter using Hand Gesture Recognition “,IJIRCCE.2022 Volume 10, Issue 5, May 2022
- 15) “Cricket Club Management System ”,IJIRCCE Volume 10, Issue 4, April 2022
- 16) “Computer Vision to Control Documents IJSRET”,Volume 8, Issue 2, Mar-Apr-2022
- 17) “SECURED SMART LIVING SOCIETY”, irjmets | Volume:04/Issue:05/May-2022
- 18) “Voice Assistance AI”, IJIRCCE |Volume 12, Issue 3, March 2024
- 19) “Sports Website” | Volume 12, Issue 4, April 2024
- 20) “Design and Implementation of Campus Connection” | Volume 12, Issue 4, April 2024
- 21) “Trash Tide Collecting System using GSM and GPS – IOT” | Volume 12 Issue XI Nov 2024
- 22) “Image to Text Converter and Translator using Machine Learning Approaches “| Volume 8, Issue 3, March 2025
- 23) “Trash Tide Collecting System using GSM and GPS – IOT” | Volume 12, Issue 2, March-April 2025

Conference:

InterNational:

1. “Prioritized congestion aware routing protocol in distributed sensor network”, IEEE, 2014 International Conference on Electronic Systems, Signal Processing and Computing Technologies,Jan 2014
2. “Advanced Congestion Aware Routing Protocol in Wireless Sensor Network”, International Conference, KBJ Engg. College, Nasik, 23th Feb 2013

National:

1. “Meta Data in cloud computing”, IEEE, ACCOLADE-2012, 24th -25nd Feb. 2012
2. “Advanced Congestion Aware Routing Protocol in Wireless Sensor Network University Level Conference”, PICT ,Pune , 12th -13th April 2013

Books Published :

1. "RELATIONAL DATABASE MANAGEMENT SYSTEM" published by "Schand Publication"
2. "DATA STRUCTURE" published by "Schand Publication"
3. "OBJECT OR IENTED PROGRAMMING" published by "VISION Publication"
4. "COMPUTER GRAPHICS" published by "VISION Publication"
5. "ADVANCED DATABASE MANAGEMENT SYSTEM" published by "Technical Publication"
6. "Mobile application Development" published by "Technical Publication"

Course/Seminar/Symposium/Workshop attended

1. Two weeks Short term course on "Induction Training Program Phase-1" approved by ISTE and conducted by NITTR extension , Pune on 08.06.2009 to 19.06.2009.
2. One weeks MSBTE sponsored State Level Short term training program on "Network security" , conducted by Bharati Vidhyapeeth's Javaharlal Nehru Institute of Technology ,Pune on 29/10/2007 to2/11/2007
3. One weeks MSBTE sponsored State Level Short term training program on "Multimedia and animation", conducted by S.V.C.Polytechnic ,Pune on 4/2/2008to8/2/2008
4. One weeks MSBTE sponsored State Level Short term training program on "Linux administration", conducted by JSPM Polytechnic ,Pune on 7/9/2009 to 11/9/2009
5. One weeks MSBTE sponsored State Level Short term training program on " Software Testing and Automation", conducted by S.V.C.Polytechnic ,Pune on 30/08/10to 03/09/10
6. One weeks MSBTE sponsored State Level Short term training program on "Network Management and Administration", conducted by JSPM Polytechnic ,Pune on 26/08/08to 30/08/08
7. One weeks ISE sponsored State Level Short term training program on "NS2 and OMNET++", conducted by JSPM Polytechnic ,Pune on 8/10/12 to 12/10/12
8. Three days MSBTE sponsored State Level Industrial training program at D-link India Ltd.,Mumbai, conducted by VPM Polytechnic ,Thane on 28/06/17 to 30/06/17
9. Software Development Training On 'Programming In PHP' By Sysweave@ Technocraftpvtlft,Pune From 25.8.17 To 27.8.17
10. Two days program on "Insight of Accreditation for affiliated colleges" conducted by AISSMS's Pharmacy college,Pune on 6-2-2018 and 7-2-2018
11. One week (7 days)national level FDP on Research methodologies : data collection methods, research tools and techniques conducted by AISSMS'S IOIT, PUNE from 09.06.2020 to15.06.2020
12. FDP on Moodle Learning Management system conducted by Anantrao Pawar COE from 04.05.2020 to 09.05.2020
13. FDP on LINUX conducted by JSPM Polytechnic from 09.05.2020 to 15.05.2020
14. Stress management Organizes By AISSMS College Of Engineering
15. One week national level FDP on "Augment Reality & Virtual Reality" 05 DAYS

- 21-25 June 2021 Organizes By AISSMS College Of Engineering
16. “Virtual Labs: Hands-On outreach Workshop for Polytechnic Faculties” Organizes By AISSMS College Of Engineering
 17. “Inculcating Universal Human Values in Technical Education” 09.04. 2021 TO 13.08.2021 All India Council for Technical Education(AICTE)
 18. “Role of OBE in Teaching and Learning” 27th and 28th March 2023. AISSMS's Polytechnic Pune
 19. “Cloud Infrastructure(AWS)” 21st-25th August 2023 SMT. KASHIBAI NAVALE COLLEGE OF ENGG, PUNE, MAHARASHTRA
 20. “IOT and its applicaions” 04th and 05th January 2024. AISSMS's Polytechnic Pune-01.
 21. “AI in Engineering” 30th & 31st October 23, AISSMS's Polytechnic Pune
 22. “Code ;Without Barriers(AI concept)” Feb/Mar 2025, Microsoft(Ratan Tata Ms. State Skills University)
 23. Data science using Python, 24th - 25thJan 2025, AISSMS POLYTECHNIC PUNE
 24. Essence of Indian Constitution (EIC) ,12th -16th Aug 2024,MSBTE

Professional Membership

1.Life member of ISRD –

International Society For Research And Development

2.Life member of IEI.

Institution of Engineers (India)