

**Name: Dr.Archana Santosh Ubale**

**Designation: Lecturer.**

**Department: Information Technology.**

**All India Shri Shivaji Memorial Society's  
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**Kennedy Road, Pune-411 001.**

**Maharashtra, INDIA.**

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## Educational Qualifications

**Phd (Electronics and communication )ME(Electronics and  
Telecommunication),BE(Electronics)**

## Experience

17 Years' experience in Teaching.

## Research

Resource Allocation In Wireless Powered Virtualized Sensor Network.

## Publications

### Journals

#### International:

Sr.No	Paper Title	Journal Title	Published Month & Year
<b><u>International:</u></b>			
1	Resource Allocation Challenges And Strategies For RF-Energy Harvesting Networks Supporting Qos	International Journal of Advanced Research in Computer Science and Software Engineering	2023
2	Hostel Management System	International Journal on Recent and Innovation Trends in Computing and Communication	2023

3	Design Of A Novel Methodology For Dynamic Resource Allocation With Energy-Aware In Virtual Sensor Networks	SSRG International Journal of Electrical and Electronics Engineering	2023
4	Safe, Secure And Efficient Integration Of Critical Wireless Sensor Networks For Industrial Applications	SSRG International Journal of Electrical and Electronics Engineering	2023
5	Lossless Routing Protocol Pertaining Heterogeneous Wireless Sensors Network	Journal of Survey in Fisheries Sciences	2023
6	Library Assistance Using Pick--Light System	Dogo Rangsang Research Journal	2023
7	Battery Monitoring And Swapping Management System For Electric Vehicle	Journal of Emerging Technologies and Innovative Research (JETIR)	2022
8	Baby Monitoring System	International Journal of Advanced Research in Science ,Communication and Technology	2022
9	Traffic Detection Using Inductive Loop	International Journal of Advanced Science Research and Engineering Trends	2021
10	Study of wireless Powered Virtual Sensor Networks	International Journal of future generation communication and networking	2021
11	Iot Based Antenna Positioning System	International Journal of Advanced Research in Science, Communication and Technology	2021
12	Smart Shopping Mall	Journal of Emerging Technologies and Innovative Research	2021
13	Iot Based Smart Farming System	IJASRET	2021
14	Smart Water Meter	Journal of Emerging Technologies and Innovative Research	2019
15	Using Android App Home Automation and Routine Display	Journal of Emerging Technologies and Innovative Research	2019
16	Automatic Waste Segregar Using Plc	IJSART	2018

17	Bandwidth Improvement In Hexagonal Microstrip Patch Antenna With Suspended Structure.	International Journal of Advance Engineering and Research Development	2017
18	School Bus Attendance And Monitoring System Using Rfid	International Journal of Advance Engineering and Research Development	2017
19	Comparative Study Of Bandwidth Improvement Techniques Of Micro Strip Patch Antenna	International Journal of Advance Research in Computer Science and Software Engineering	2015
20	Dual Band Suspended Hexagonal Patch Antenna	International Journal of Latest Technology in Engineering, Management & Applied Science	2015

### Conference

#### International:

Sr.No	Paper Title	Conference Title	Published Month & Year
<b>International:</b>			
1	Dual Band Circular Polarized Hexagonal Microstrip Patch Antenna With Stub	ICIECS -15	2015
2	Resource Allocation Trade-offs: Examining Max-Min Fairness and Jain's Fairness Index in WSNs	RMDSTIC-21	2021
3	Resource Allocation Optimization in Wireless Sensor Networks Using Jain's Fairness Index	IVCIMS -21	2021
4	Fairness Assessment in Wireless Sensor Networks: A Discrimination Index	ICDIDSA-23	2023

### Course/Seminar/Symposium/Workshop attended

Sr.No.	Training Program	From		Duration	Sponsored and Organized By,
1	Educational Leadership	July 2023	October 2023	12 Weeks	NPTEL
2	Teaching & Learning Advancements in Science & Engineering	24/04/2023	28/04/2023	1 Week	Regional College for Education Research & Technology,

					Jaipur
3	Recent Trends in Mobile Computing with Real Time Approach	27/03/23 to	01/04/2022	1 Week	BSIOTR,Wagholi
4	Mobile Computing (FOW)	30/01/2023	01/02/2023	3 Days	BOS
5	AWS Academy Cloud foundation and AWS Academy Solution Architect train the trainer Certification	14/01/2023	30/01/2023	2 Weeks	Eduskill Foundation
6	RF test & measurement solution using vector network analyzer spectrum analyzer	10/03/2023	10/03/2023	1Day	AISSMSIOIT
7	Stepping towards problem project based learning	30/03/2023	31/03/2023	2 Days	AISSMSIOIT
8	Emerging trends in 5G enabled Education	02/05/2023	04/05/2023	3 Days	AISSMSIOIT
9	Adobe Academic Essentials	2023	2023	1 Day	AICTE
10	Web Services & Google Cloud Platform	19/09/2022	23/09/2022	1Week	KJ College of Engineering and Management Research
11	Amazon Web Services	22/08/2022	27/08/2022	1Week	Brainovision Solutions India Pvt. Ltd &AICTE
12	Cloud Computing	July 2022	October 2022	12 Weeks	NPTEL

13	STTP on “Project Based Learning”	21/2/2022	26/02/2022	1 Week	ISTE
14	FDP on “Renewable Energy- A future Alternative”	17/01/2022	21/01/2022	1 Week	ATAL
15	Cloud Computing	14/07/22	16/07/2022	3 Days	BOS
16	Cloud Computing using AWS and Google c platform	19/09/2022	23/09/2022	1 Week	ISTE
17	Cloud Computing Lab Sessions	26/09/2022	04/10/2022	1 Week	PICT,Pune
18	FDP On Innovative Research & Development Trends in Electronics & Communication Engineering	06/09/2021	12/09/2021	1 Week	G.L. Bajaj Institute of Technology & Management, Greater Noida.
19	FDP On Modulation, Coding and Multiple Access Techniques for Wireless Communication and Srage Systems	15/11/2021	19/11/2021	1 Week	AICTE
20	FDP On Multi Technologies	26/06/2021	03/07/2021	1 Week	Braino Vision
21	FOW on Computer Network	26/07/2021	28/07/2021	2 Days	Bos SPPU
22	FDP on Interactive Teaching Learning Strategies With Affective & Cognitive Approach (ITLS)”	21/06/2021	25/06/2021	1 Week	PVG's COET & GKPIM ,Pune
23	FDP on AI-ML Principles and Techniques	14/06/2021	18/06/2021	1 Week	RMD Sinhgad School of Engineering

24	FDP on “Python 3.4.3”	31/05/2021	04/06/2021	1Week	Sinhgad College of Engineering, Vadgaon
25	FDP on “Energy and environmental science technology and management for sustainable development”	20/05/2021	25/05/2021	1Week	D.Y.Patil Pimpri
26	FDP on “Sensors Technology”	22/02/2021	26/02/2021	1Week	ATAL
27	FOW on revised syllabus of PCS	18/01/2021	20/01/2021	3 Days	D.Y.Patil Pimpri
28	Introduction network security	1 week			NITTTR, Kolkatta
29	Automated Manufacturing System	1 week			NITTTR, Kolkatta

### Course/Seminar/Symposium/Workshop Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
1	IoT & Its Applications	FDP	04/01/2024 to 05/01/2024	State level	-
2	AI in Engineering	FDP	30/10/2023 to 31/10/2023	State level	-
3	Emerging Trends in 5G Technology-Enabled Education	FDP	2/5/2023 to 4/5/2023	State level	PMA ,pune

4	Antennas for Modern Wireless Communication	Workshop	01/02/2018 to 02/02/2018	National	SPPU,Pune
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## Webinars

- 1) “Wireless Communication System Design Using MATLAB & SIMULINK” organized by IEEE, Pune section Communication Society in association with AISSMS’s Institute of Information Technology, Pune on 3/06/2021.
- 2) “5G Satellite” Organized by Parul University on 12/06/2020.
- 3) “Artificial Intelligence in Healthcare” Organized by AISSMSIOIT on 21/07/2020.
- 4) “Mathematical Aspects of Wavelet Transform” Organized by AISSMSIOIT on 29/06/2020.
- 5) “Career Growth Opportunities with Networking & Security Certification”. Organized by AISSMSIOIT on 26/06/2020.
- 6) “Why Team Work is Essential ” Organized by AISSMSIOIT on 25/07/2020.
- 7) “Deep Learning for Automatic Speech Recognition” Organized by AISSMSIOIT on 26/06/2020.
- 8) “Solar Energy Industry Outlook” Organized by AISSMSIOIT on 18/07/2020.
- 9) “How Conduct Virtual Labs” Organized by AISSMSIOIT on 24/06/2020.
- 10) “5G network Architecture and SND” Organized by Parul University on 15/06/2020.
- 11) “Augmented Reality In Digital Marketing” Organized by AISSMSIOIT on 13/07/2020.
- 12) “Precision Agriculture-The Future of Farming” Organized by AISSMSIOIT on 07/08/2020.

## Extra Activities

- Worked as ESCI-2023 Special session coordinator.
- Worked as ESCI-2023 conference as a Reviewer.
- Worked as a Assessor in IAA IN SEM –II of 2021-2022
- Worked as a Paper Setter & Examiner SE 2015 Course for Academic 2021-2022.
- Worked as a Assessor in IAA IN SEM –I of 2021-2022
- Worked as ESCI-2021 session coordinator.

- Worked as a Paper Setter & Examiner SE 2015 Course for Academic 2020-2021.

## Professional Membership

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|-------------------------------|------------------------|
| 1. ISTE Membership (LM-67116) | : Life Time Membership |
| 2. IETE Membership(M-502006)  | : Life Time Membership |
| 3. BES Membership(AM-2975)    | : Life Time Membership |

## Awards Received /Recognition

- Paper entitled “Intra-Class Fairness Assessment in Wireless Sensor Networks: A Discrimination Index Perspective” in 1st International Conference on Deep Learning, IoT, Drone Technology, Smart Cities & Application (ICDIDSA-23) has received a award of best innovative idea based paper of the technical Session.
- Top Topper in 1% in NPTEL Exam2023.
- Recognition in CTMS for voluntary Contribution in AY-2022-2023.