

STAFF PROFILE



Ms. Aparna Shashikant Joshi

Assistant Professor

Information Technology

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Date of Joining
01/06/2016

Nature of Appointment
Contractual

Educational Details

Qualification	Degree	University	Grade	Year
SSC		Maharashtra State Board	56.83	1995
HSC		Maharashtra State Board	66.17	1999
Graduation	B.E	Amarawati University	68.7	2003
PG	M.E	Pune University	7.07	2013
Doctoral	PhD(CSE) Research Scholar	Veltech University	Persuing	-

Areas of Interest

Cloud Computing

Experience Details

Type	Duration/ Period	Designation/ Organisation Name	Brief Job Profile
Educational	3.00 Years 2008-2011	Lecturer D Y patil College of Engineering Akaurdi Pune	Teaching
Educational	1.00 Years 2011-2012	Lecturer NMIET Talegaon Pune	Teaching
Educational	8.00 Years 2012-2020	Assistant Professor Army Institute of Technology Dighi Pune	Teaching

Journal Publications

1. Aparna S Joshi, (2020). [Dynamic Degree Balanced with CPU Based VM Allocation Policy for Load balancing](https://doi.org/10.1080/02522667.2020.1724618). *Journal of Information & Optimization Science (Taylor & Francis)*. 41(2), 543-553. ISBN/ ISSN No : ISSN 0252-2667 (Print), ISSN 2169-0103 (Online) . URL : <https://doi.org/10.1080/02522667.2020.1724618>.
2. Aparna Joshi, (2020). [Enhancement of Road Safety using Accelerometer and Gyroscope](http://doi.org/10.22214/ijraset.2020.5029). *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*. 8(5), 169-175. ISBN/ ISSN No : ISSN: 2321-9653. URL : <http://doi.org/10.22214/ijraset.2020.5029>.
3. Aparna Joshi, Shyamala Devi Munisamy, (2020). [Enhancement of Performance Parameter of Cloud Using Dynamic Degree Balanced with Membership Value Algorithm](http://www.iaeme.com/IJARET/issues.asp?JType=IJARET&VType=11&IType=8). *International Journal of Advanced Research in Engineering and Technology (Scopus Index)*. 11(8), 664-676. ISBN/ ISSN No : ISSN Print Number: 0976-6480/ ISSN Online Number: . URL : <http://www.iaeme.com/IJARET/issues.asp?JType=IJARET&VType=11&IType=8>.
4. Aparna Shashikant Joshi, (2019). [Assessment of feature selection for student academic performance through machine learning classification](https://doi.org/10.1080/09720510.2019.1609729). *Journal of Statistics and Management Systems (Taylor & Francis)*. 22(4), 729-739. ISBN/ ISSN No : ISSN: 0972-0510 (Print) 2169-0014 (Online). URL : <https://doi.org/10.1080/09720510.2019.1609729>.

5. Aparna Joshi, (2019). [An Intelligent Cloud Based Data Processing Model for Mobile Health](#). *International Journal of Advanced Research in Computer and Communication Engineering*. 8(3), 64-68. ISBN/ ISSN No : ISSN (Online) 2278-1021 ISSN (Print) 2319-5940. URL : <https://ijarcce.com/wp-content/uploads/2019/04/IJARCCE.2019.8311.pdf>.
6. Aparna Joshi, Dr. M. Shyamala Devi, (2018). [Performance Parameters Review of Workflow Scheduling in Public Cloud](#). *International Journal of Pure and Applied Mathematics*. 119(16), 5005-5017. ISBN/ ISSN No : 1314-3395. URL : <https://acadpubl.eu/hub/2018-119-16/2/521.pdf>.
7. Aparna Joshi, M. Shyamala Devi, (2018). [A Survey of Job Scheduling Algorithms for Load Balancing in Hadoop Environment](#). *International Journal of Pure and Applied Mathematics*. 119(16), 5033-5046. ISBN/ ISSN No : 1314-3395. URL : <https://acadpubl.eu/hub/2018-119-16/2/523.pdf>.
8. Aparna Joshi, (2015). [Performance Analysis of Various Routing Protocols in Wireless Network](#). *International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)*. 4 (3), 135-138. ISBN/ ISSN No : 2278-1021ISSN . URL : <https://pdfs.semanticscholar.org/6ad7/533ccbd5ebb6d2ddeb16cc9c1e5fbf36e999.pdf>.
9. Aparna Joshi, (2014). Iterative Disambiguation Algorithm for Removing Ambiguity Problem In CLIR. *International Journal of Engineering Research & Technology*. 3(2), 0. ISBN/ ISSN No : IJERTV3IS20303.
10. Aparna Joshi, (2013). Improving Accuracy of SMS Based FAQ Retrieval. *International Journal of Emerging Technology in Computational and Applied Science (IJETCAS)*. 3(3), 362-366. ISBN/ ISSN No : 2279-0055.

Conference Publications

1. Aparna S Joshi, (2020). Dynamic degree balanced with CPU based VM allocation policy for load balancing. *International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2020)*. -(-), -. ISBN/ ISSN No : -.
2. Aparna Shashikant Joshi, Rupali Amit bagate, (2019). [Design of IoT Blockchain Based Smart Agriculture for Engineering Safety and security](#). *International Conference on Emerging Technologies In Computer Engineering "Microservices in Big Data Analytics", Springer CCIS Series*. NA(NA), 7-19. ISBN/ ISSN No : 978-981-13-8300-7.
3. Aparna Shashikant Joshi, Shyamala Devi Munisamy, (2019). [Cultivar Prediction of Target Consumer Class using Feature Selection with Machine Learning Classification](#). *2nd National Conference on Cyber Security , Image Processing, Graphics, Mobility and Analytics(NCCSIGMA2K19) Springer's book series entitled "Learning and Analytics in Intelligent Systems*. NA(NA), 604-612. ISBN/ ISSN No : 978-3-030-24321-0.
4. Aparna Shashikant Joshi, Shyamala Devi Munisamy, (2019). [Task Scheduling Performance Evaluation of Unreliable Virtual Machines and Cloudlets](#). *2nd National Conference on Cyber Security, Image Processing, Graphics, Mobilty and Analytics(NCCSIGMA2K19) Springer's book series entitled "Learning and Analytics in Intelligent Systems*. NA(NA), 671-678. ISBN/ ISSN No : 978-3-030-24321-0.
5. Aparna joshi, (2014). Real Time Severer Synchronization & Automated Switching of Server in Case of Crash & Advanced Session Tracking. *International Conference on Electrical, Electronics & Computer Science (ICEECS)* . 2(0), NA. ISBN/ ISSN No : NA.

Conference

1. Fourth International Conference on Computational Science, Engineering and Information Technology (CCSEIT-2014) (Attended), Computational Science, Engineering and Information Technology , 2014, Pune

Guest Lecture

1. General Machine Intelligence:A Theoretical Perspective (Attended), General Machine Intelligence:A Theoretical Perspective, 2020, Pune
2. How are you (Attended), How are you, 2020, Pune
3. Career Strategy -Creating your own Personal Brand (Organized), Career Strategy -Creating your own Personal Brand, 2019, Pune
4. Road Safety (Organized), Road Safety, 2019, Pune
5. Guest Lecture on Named Entity Recognition and Extraction (Attended), Named Entity Recognition and Extraction, 2015, Pune
6. Guest Lecture on Cloud Computing (Attended), Cloud Computing, 2015, Pune
7. Guest Lecture on Emerging Trends on High Performance Computing or Super Computing (Attended), Emerging Trends on High Performance Computing or Super Computing , 2015, Pune
8. Guest Lecture on Discovering the Science of Computer Science (Attended), Discovering the Science of Computer Science , 2014, Pune

9. guest lecture on Annotating, Indexing and Searching the Web Entities& Relationships (Attended), Annotating, Indexing and Searching the Web Entities& Relationships, 2013, Pune
10. guest lecture on Early History of FORTRAN (Attended), Early History of FORTRAN, 2013, Pune

Resource Talk

1. MHRD's Innovation Cell (Attended), Leadership Talk, 2020, Online
2. MHRD's Innovation Cell (Attended), Leadership Talk, 2020, Online
3. MHRD's Innovation Cell (Attended), Leadership Talk, 2020, Online
4. MHRD's Innovation Cell (Attended), Leadership Talk, 2020, Online
5. MHRD's Innovation Cell (Attended), Examination and Academics in current COVID-19 crisis, 2020, Online

Workshop

1. 2 week Online Faculty Development Programme jointly organized by Electronics and ICT Academies under the "Scheme of financial assistance for setting up of Electronics and ICT Academies" of the Ministry of Electronics and Information Techno (Attended), ICT Tools for Teaching, Learning Process and Institute, 2020, Online
2. 2 Days National level workshop (Attended), Introduction to Blockchain, 2020, Online
3. 3 Days workshop (Attended), Web Development, 2020, Online
4. Online Faculty Development Program jointly organized by PVG's College of Engineering & Technology, Pune & Spoken Tutorial Project, IIT Bombay (Attended), Java, 2020, Online
5. Online Faculty Development Program jointly organized by MIT College Of Railway Engineering and Research Barshi & Spoken Tutorial Project, IIT Bombay (Attended), LaTeX, 2020, Online
6. Online Faculty Awareness Programme (Attended), National Assessment and Accreditation Council (NAAC), 2020, JSPM's Rajashri Shahu College of Engineering, Tatha
7. Online Sessions (Total 17 session) by Institution's Innovation Council MHRD's Innovation Cell (Attended), Entrepreneurship Development, 2020, Online YouTube channel
8. SE IT Syllabus Revision workshop in association with BoS-IT, SPPU Pune (Attended), Syllabus Revision of SE IT (2019 course), 2020, AISSMS IOIT, Pune
9. Online workshop on Python Programming (Attended), Python Programming, 2020, AIT Pune
10. NPTEL online AICTE Approved 2 week FDP (Attended), NBA Accreditation and Teaching-Learning in Engineering (NATE), 2020, Pune
11. SE IT Syllabus Revision workshop in association with BoS-IT, SPPU Pune (Attended), OOPL subject Syllabus discussion of SE IT (2019 course), 2020, SCOE, Vadgaon
12. State level FDP on "Mathematical Modeling Approach towards Data Science" under QIP of SPPU (Organized), Mathematical Modeling Approach towards Data Science, 2019, AIT, Pune
13. One Week Course on "Python programming with Industry perspective" (Attended), Python programming with Industry perspective, 2019, AIT, Pune
14. AICTE Approved 2 week FDP on "Cloud Computing" (Attended), Cloud Computing, 2019, Pune
15. Workshop on "Data Analytics" (Attended), Data Analytics, 2019, Pune
16. FDP on " Practical Approaches of Artificial Neural Network and Deep Learning" (Attended), Artificial Neural Network and Deep Learning, 2018, Pune
17. FDP on " Hands-on Methodology on OBE implementation" (Attended), Hands-on Methodology on OBE implementation, 2018, Pune
18. three days Workshop on (Attended), Workshop on "Python Programming" , 2018, AIT
19. Workshop on "Python Programming" (Attended), Python Basics and Programming in Python, 2018, Pune
20. Faculty Development Programm (Attended), Orientation for C++ Programming for Scientific Application Development, 2018, Pune
21. FDP on Probabilistic and Statistics Machine Learning and Deep Learning (Attended), Statistics, Machine Learning, Neural Network, Artificial Intelligence , 2017, Pune
22. Workshop on IBM Rational Seed program (Attended), IBM Rational Seed program , 2017, Pune
23. Maplesoft Product Overview-Level 1 (Attended), Maplesoft Product Overview-Level 1, 2017, Pune
24. MOOC Course (Attended), Blender:3D annimation tool, 2017, Pune
25. MOOC Course (Attended), Introduction to C++, 2017, Pune
26. 3-days faculty development programme on "Advances in Machine Learning and Image Processing" (Attended), Advances in Machine Learning and Image Processing , 2016, Pune
27. Workshop on Network Security & Ethical Hacking (Attended), Network Security & Ethical Hacking , 2016, Pune
28. ET601Tx: MOOC Course (Attended), Educational Technology for Engineering Teachers, 2016, Pune
29. CS101.1xS16: MOOC Course (Attended), Introduction to Computer Programming, 2016, Pune
30. Workshop on Big Data and Hadoop (Attended), Big Data and Hadoop , 2015, Pune
31. Workshop on RUBY (Organized), RUBY Workshop, 2015, Pune

32. Faculty development programm on Microsoft .NET (Attended), Microsoft .NET , 2015, Pune
33. Workshop on cloud computing (Attended), Workshop on cloud computing, 2015, Pune
34. Workshop on Big Data and Hadoop (Attended), Big Data and Hadoop, 2015, Pune
35. CSI sponsored workshop: Basics of MongoDB Guest Lecture (Attended), Basics of MongoDB Guest Lecture, 2014, Pune
36. Workshop on QT Framework (Attended), QT Framework, 2014, Pune
37. Oracle and Software Engineering: IBM Workshop (Attended), Oracle and Software Engineering, 2014, Pune
38. NS2 Workshop (Attended), NS2 Workshop, 2014, Pune
39. OPENGL & Animation Tool Workshop (Organized), OPENGL & Animation Tool Workshop, 2014, Pune
40. LINUX Workshop (Attended), LINUX Workshop, 2013, Pune
41. Third Workshop on The Forum for Information Retrieval Evaluation (Attended), Information Retrieval Evaluation, 2011, Mumbai
42. Workshop on “BE Project Guidelines” (Attended), BE Project Guideline, 2011, Pune
43. Workshop on “Android Programming” (Attended), Android Programming, 2011, Pune

Research Grants

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Role of Investigator
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Consultancy

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Investigator Role
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Professional Memberships

Society	Membership No	Duration	
The Indian Society For Technical Education	LM65312	03/11/2017	03/11/2025
Association for Computing Machinery	803593	03/11/2017	03/11/2017
International Association of Engineers (IAENG)	261423	10/05/2020	10/05/2050

Achievements/ Contribution

Year	Details
2020	Awarded certificate for excellent performance in “Online COVID-19 Awareness Quiz” conducted by R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur, Dhule
2020	Awarded certificate for excellent performance in Online COVID-19 Awareness Programme Quiz” conducted by PCCOER ACM Student Chapter, Pune
2019	Certificate of Appreciation for volunteer contribution in organising Mentoring and Orientation Session on IIC 2.0 and ARIIA 2020 organized by MHRD’s Innovation Cell held at Army Institute Of Technology, Pune, Maharashtra
2018	Received Certificate of Appreciation as Student Coordinator in successfully conducting National Creativity Aptitude Test 2018 from International Forum for Excellence in Higher Education
2017	Received Certificate of appreciation in Successfully conduction of NCAT 2017 from IFEHE
2016	Received Certificate of Appreciation in successfully conduction National Creativity Aptitude Test 2016 from International Forum for Excellence in Higher Education
2015	Received Certificate of Appreciation in successfully conduction National Creativity Aptitude Test 2015 from International Forum for Excellence in Higher Education
2014	Received Certificate of Appreciation in successfully conduction National Creativity Aptitude Test 2014 from International Forum for Excellence in Higher Education

No of PhD Students Guided : 0 **No of PG Students Guided** : 0
No of PhD Awarded Students : 0