

## STAFF PROFILE



### Mr. Sagar Ramesh Rane

Assistant Professor

Computer Engineering

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Date of Joining  
11/06/2018

Nature of Appointment  
Contractual

### Educational Details

Qualification	Degree	University	Grade	Year
Doctoral	Ph.D.	Savitribai Phule Pune University	Pursuing	-
PG	M.Tech.	Savitribai Phule Pune University	4.7 / 6	2015
Graduation	B.E.	Savitribai Phule Pune University	67.80 / 100	2013

### Areas of Interest

Information Security, Digital Forensics, Blockchain, Web Development

### Experience Details

Total : 9.00 years	Teaching : 8.00 years	Research : 1.00 years	Industry : 0.00 years
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Type	Duration/ Period	Designation/ Organisation Name	Brief Job Profile
Educational	5.00 Years June 2015 to till now	Assistant Professor Army Institute of Technology, Pune	Teaching and Research
Research	1.00 Years Jan 2015 to Dec 2015	Intern CDAC R&D, Pune	Research
Educational	1.00 Years May 2014 to May 2015	Lecturer Government Polytechnic, Pune	Teaching
Educational	2.00 Years June 2011 to July 2013	Web Developer SVPM's COE, Pune	Software Development

### Journal Publications

1. Sagar Rane, Saharayu Lokhande, Manik Hendre, (2016). [User Analytics on Twitter Stream Data](http://www.journalijar.com/article/8251/user-analytics-on-twitter-stream-data/). *International Journal of Advanced Research (IJAR 2016)*. 4(2), 767-772. ISBN/ ISSN No : 2320-5407. URL : <http://www.journalijar.com/article/8251/user-analytics-on-twitter-stream-data/>.
2. Sagar Rane, (2016). [Effective Searching Mechanism with Feedback Session](http://www.ijcsc.co.in/Volume-1-Issue-1.php). *International Journal of Computing Science and Communication (IJCSC 2016)*. 1(1), 16-21. ISBN/ ISSN No : -. URL : <http://www.ijcsc.co.in/Volume-1-Issue-1.php>.

### Conference Publications

1. Sagar Rane, Sanjeev Wagh, Arati Dixit, (2020). [Design of a Forensic Enabled Secure Cloud Logging](https://doi.org/10.1145/3369740.3373803). *ACM's 21st International Conference on Distributed Computing and Networking (ICDCN 2020)*. NA(NA), 1-1. ISBN/ ISSN No : <https://doi.org/10.1145/3369740.3373803>.
2. Sagar Rane, Sanjeev Wagh, Arati Dixit, (2019). [Securing Trustworthy Evidences for Robust Forensic Cloud in Spite of Multi-stakeholder Collusion Problem](https://doi.org/10.1145/3369740.3373803). *Springer's 15th International Conference on Information Assurance and Security (IAS 2019)*. NA(NA), 376-386. ISBN/ ISSN No : 978-3-030-49336-3.
3. Sagar Rane, Arati Dixit, (2019). [BlockSLaaS: Blockchain assisted secure logging-as-a-service for cloud](https://doi.org/10.1145/3369740.3373803).

- [forensics](#). Springer's International Conference on Security & Privacy (ISEA ISAP 2019). NA(NA), 77-88. ISBN/ ISSN No : 978-981-13-7561-3.
4. Sagar Rane, Salil Gautam, Nishant Gore, Thomas Koshy, Anirudh Murali, (2019). [Decentralized Logging Service using IPFS for Cloud Infrastructure](#). Elsevier's International Conference on Communication and Information Processing. 1(1), 1-9. ISBN/ ISSN No : <http://dx.doi.org/10.2139/ssrn.3419772> .
  5. Sagar Rane, M. V. Pridhvi Krishna, Somesh Mehta, Shubham Verma, (2018). [Mixed Reality in Smart Computing Education System](#). IEEE's International conference on Smart Systems and Inventive Technology (ICSSIT 2018). NA(NA), 72-75. ISBN/ ISSN No : 978-1-5386-5873-4.
  6. Sagar Rane, Aman Dubey, Tejisman Parida, Akshay Birajdar, (2018). [QuickQuote Automation System: DSS for Insurance Approval & Risk Assessment](#). IEEE's 4th International Conference On Computing, Communication, Control And Automation (ICCUBE 2018). NA(NA), 103-109. ISBN/ ISSN No : -.
  7. Sagar Rane, Somesh Mehta, Kartik Joshi, Pridhvi Krishna Meduri, (2018). [Disrupting Insurance Industry using Blockchain](#). Springer's International Conference on Data Communications Technologies and Internet of Things (ICICI 2018). 26(1), 1068-1075. ISBN/ ISSN No : 978-3-030-03145-9.
  8. Sagar Rane, Aman Dubey, Tejisman Parida, Akshay Birajdar, Ajay Kumar Prajapati, (2018). [Smart Underwriting System: An Intelligent Decision Support System for Insurance Approval & Risk Assessment](#). IEEE's 3rd International Conference for Convergence in Technology (I2CT 2018). NA(NA), 1-6. ISBN/ ISSN No : 978-1-5386-4273-3/18.
  9. Sagar Rane, Aman Dubey, (2017). [Design of IoT Based Intelligent Parking System Using Image Processing Algorithms](#). IEEE's International Conference on Computing Methodologies and Communication (ICCMC 2017). NA(NA), 1049-1053. ISBN/ ISSN No : 978-1-5090-4890-8.
  10. Kirti Dhvaj Singh, Ayushi Sharma, Shivali Singh, Vikram Singh, Sagar Rane, (2017). [Integrity & Confidentiality Preservation in Cloud](#). IEEE's International Conference on Electronics, Communication & Aerospace Technology (ICECA 2017). NA(NA), 1204-1209. ISBN/ ISSN No : 978-1-5090-5685-9.
  11. Aman Dubey, Akshadeep, Sagar Rane, (2017). [Implementation of an intelligent traffic control system and real time traffic statistics broadcasting](#). International conference of Electronics, Communication and Aerospace Technology (ICECA). NA(NA), 33-37. ISBN/ ISSN No : 978-1-5090-5686-6/17.
  12. Manik Hendre, Sagar Rane, (2015). [Performance of Hadoop on TPC-H Benchmark](#). National Conference on Signal & Data Processing (NCSDP 2015). 3(2), 55-58. ISBN/ ISSN No : -.
  13. Sagar Rane, Manik Hendre, (2015). [Construction of University Ontology Step by Step](#). National Conference on Signal & Data Processing (NCSDP 2015). 2(1), 59-62. ISBN/ ISSN No : -.

## Conference

1. ICSC (Attended), 14th International Cyber Security Conference, 2020, Mumbai
2. CXO meet (Attended), SEQRITE Cyber Security Software Information - Quick Heal Subsidiary , 2019, Pune
3. ISEA ISAP 2019 (Attended), ISEA International Conference on Security and Privacy, 2019, NIT Jaipur
4. CODS and COMAD (Attended), International Conference on Data Sciences (CODS) & Management of Data (COMAD) , 2016, Pune

## Guest Lecture

1. Crypto Innovation Webinar Series - Part VIII (Attended), Encryption for Securing Data and Credentials, 2020, National CoE for Cyber Security Technology
2. Crypto Innovation Webinar Series - Part VII (Attended), Transition from Classical to Quantum Cryptography, 2020, National CoE for Cyber Security Technology
3. Educational Level Intellectual Property Rights Awareness program (Attended), Intellectual Property Rights, 2013, Pune

## Resource Talk

1. Delivered an Expert Talk on Identity and Access Control over Cloud (Attended), Cloud Computing Series of J C Bose Science and Technology University, YMCA, 2020, Faridabad, Haryana
2. Delivered an Expert Talk on Cloud Application Server and Its Security (Attended), Cloud Computing Series of J C Bose Science and Technology University, YMCA, 2020, Faridabad, Haryana
3. Delivered an Expert Talk on Blockchain and Its Applications in Security (Attended), Government College of Engineering, 2019, GCOE Karad
4. Delivered an Expert Talk on Digital Media: Challenges and Opportunities (Attended), Digital Media, 2016, KJ's Trinity Polytechnic, Pune

## Seminar

1. Innovative Practices (Attended), Innovative Practices in Research and Publications with ProQuest, 2020, Vishwakarma Institute of Technology, Pune
2. Forensic Science for Society (Attended), Decoding Fake News: A Forensic Perspective, 2020, G.T.N College, Tamilnadu
3. Industrial Visit (Attended), How Persistent Systems Grown Up, 2020, Hinjewadi
4. TCS Industrial Visit (Attended), Session on Advanced Driver Assistant System (ADAS) Technology, 2019, Tata Consultancy Services, Pune
5. Makers Lab, Tech Mahindra Visit (Attended), Session on Blockchain, Machine Learning, Augmented Reality, Virtual Reality, 2019, Tech Mahindra, Pune
6. Ecell IIT Bombay Visit (Attended), How to establish Ecell , 2019, IIT Bombay
7. CSI Chapter Pune (Attended), Current Trends in Computer Science Research, 2017, MIT Pune
8. Confederation of Indian Industry (CII)-AIT Meet (Attended), Innovation, 2015, AIT Pune

## Workshop

1. FDP (Attended), Blockchain Technologies and Applications, 2020, National Institute of Technology (NIT), Raipur
2. National Level Faculty Development Program (Attended), Online Social Network, 2020, MIT Art Design and Technology University, Pune
3. One Day Online FDP (Attended), OOP & CG Laboratory, 2020, Anantrao Pawar College of Engineering & Research
4. Digital Forensics Workshop (Attended), Recent Trends and Innovations in Digital Forensics, 2020, AISSMS Institute of Information Technology, Pune
5. ISDF Workshop (Organized), Information Security and Digital Forensics Workshop, 2020, BCJ Hall, AIT
6. ISDF Workshop (Attended), Information Security and Digital Forensics Workshop, 2020, BCJ Hall, AIT
7. MOOC Course (Attended), NBA Accreditation and Teaching-Learning in Engineering (NATE), 2020, IISc Bangalore
8. FDP on Cyber Security (Attended), AICTE ATAL sponsored Faculty Development Program on Cyber Security , 2019, Indian Institute of Information Technology, Pune
9. FDP on Blockchain (Attended), Fundamental and hands on sessions on blockchain technology, 2019, Dr. Babasaheb Ambedkar Technological University
10. FDP (Attended), Hands on Methodology on OBE implementation, 2018, AIT Pune
11. User Summit (Attended), National PARAM SHAVAK User Experience, 2018, Panaji, Goa
12. FDP (Attended), Web Technology, 2017, DY Patil Akurdi
13. FDP (Attended), Learner Centric Approach, 2017, AIT Pune
14. FDP (Attended), Computer Laboratory - III, 2016, G.H. Raisoni, Pune
15. FDP (Attended), Software Design Methodologies and Testing, 2015, BSCOEAR Pune
16. IPR Workshop (Attended), Patent Basics, Searching and Filing, 2015, AIT Pune
17. ACM India Workshop (Attended), Computing Curricula, 2015, PUMBA, SPPU
18. FDP (Attended), Computer Laboratory - I, 2015, G.H. Raisoni, Pune
19. Workshop on Big Data and Hadoop (Attended), Big Data and Hadoop, 2014, Department of Technology, SPPU
20. Microsoft Technology Associate (Attended), Web Development Fundamentals, 2014, SVPM's COE, Baramati
21. IBM Rational Software Architect (Attended), IBM SEED program, 2014, University of Pune
22. Microsoft Technology Associate (Attended), .NET Fundamentals, 2013, SVPM's COE, Baramati
23. Workshop (Attended), Web Development with PHP, 2012, SVPM's COE, Baramati

## Research Grants

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Role of Investigator
STTP on Information Security and Digital Forensics	AICTE	01/04/2020	31/03/2021	458333.00	Co-Investigator

## Consultancy

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Investigator Role
Design and Development of Rashtriya Uchchatar Shiksha Abhiyan (RUSA) Portal	RUSA MHRD	18/08/2016	31/01/2018	300000.00	Co-Investigator

### Professional Memberships

Society	Membership No	Duration	
International Association of Engineers (IAENG), UK	241003	02/07/2019	01/07/2050
International Association of Academicians (IAASSE), India	0010293	24/08/2018	23/08/2050
Computer Science Teachers Association (CSTA), USA	K-12	01/12/2019	31/12/2050
Association of Computing Machinery (ACM), USA	1732818	01/04/2016	31/03/2017
Academy of Criminal Justice Sciences (ACJS), USA	300008405	01/01/2020	31/12/2020

### Achievements/ Contribution

Year	Details
2020	Received Doctoral Student Membership from Academy of Criminal Justice Sciences, USA
2020	Selected in Top Five Performers List of AY 2018-19 at AIT, Pune.
2019	Certificate of Appreciation for Mentoring in Hackathon at Manipal University, Jaipur
2019	3rd position in AIT Staff Badminton Championship
2014	Certified eGovernance Aware Citizen
2013	Got Scholarship from Sahara India, Sahara Welfare Foundation (SWF) for Higher Education
2013	1st Prize in Web Designing competition Cynosure 2K13

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