

# AMOL V. DHUMANE

*Ph.D (Computer Engineering), PDF(Computer Engineering)*

Associate Professor  
Pimpri Chinchwad College of Engineering,  
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8793101172

## QUALIFICATIONS

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- Post Doctorate (PDF) from Lincoln University, Malaysia, January 2021.
- PhD in Computer Engineering from Savitribai Phule Pune University, Pune, November 2018.
- ME Computer Engineering, Bharati Vidyapeeth University, Pune, November 2008, First Class.
- BE Computer Engineering, Pune University, Pune, August 2004, First Class.

## APPROVAL DETAILS (APPROVED EXPERIENCE - 13 YEARS)

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	<b>Post</b>	<b>Approval Letter Number</b>	<b>Date of approval</b>	<b>College</b>
1.	Assistant Prof.	CCO/Approval Comp/133	01/09/2012	NBNSSoE, Pune
2.	Assistant Prof.	CCO/480	11/07/2007	VIIT, Pune

## EXPERIENCE (16 YEARS, 06 MONTHS)

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- Working as an Associate Professor at Pimpri Chinchwad College of Engineering, Pune (Since 14 February 2022)
- Worked as an Associate Professor at MIT School of Engineering, MIT ADT University, Pune (02 August 2021 to 10 February 2022)
- Worked as an Assistant Professor and Head of Department at NBN Sinhgad School of Engineering, Pune. (02 July 2012 to 01 August 2021)
- Worked as an Assistant Professor at Vishwakarma Institute of Information Technology, Pune. (13 June 2005 to 15 June 2012)

## SPECIAL ACHIEVEMENTS, AWARDS & RECOGNITIONS

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- 1. Recognitions**
  - Recognized as a P.G. Teacher in subject of Computer Engineering from University of Pune.
- 2. Awards**
  - The Best Teacher Award at NBN Sinhgad School of Engineering, Pune in year 2015-16.
- 3. Special Achievements**
  - Resource Person of Computer Society of India for Region-6.
  - Developed IoT Laboratory in the NBN Sinhgad School of Engineering.
  - Worked as a reviewer of International Conferences and Journals.
  - Appreciated as a coordinator in SE Computer Engineering Curriculum detailing team (2019) for Object Oriented Programming subject and Object Oriented Programming and Computer Graphics Laboratory

## RESEARCH, PUBLICATIONS & PATENTS

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### Publications summary along with citations

	<b>International</b>	<b>National</b>	<b>Citations</b>	
<b>Journals</b>	16	02		
<b>Conferences</b>	08	03	Google scholar	256
			h-index	07
			i-index	06

(Please refer *Annexure-I* for detailed publications)

### **Funded projects**

Received Rs. 85000/- from BCUD, University of Pune for project “Optimal Context-aware Routing Algorithm for Wireless Sensor Network”, for 2016 -2018.

### **PATENTS**

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- Intelligent Energy Recycle System Through Ceiling Fan  
Application No.202041023191 A  
Date of filing of Application :02/06/2020  
Publication Date: 12/06/2020
- Electronic Currency Note Sterilizer Machine  
Application No.202041015043 A  
Date of filing of Application :05/04/2020  
Publication Date : 22/05/2020

### **PROFESSIONAL MEMBERSHIP**

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- Life Member of Indian Society of Technical Education (ISTE). (LM45768)
- Nominee Member of Computer Society of India (CSI) from September 2015 to July 2021.
- Life Member of International Association of Engineers (IAENG), Hong Kong.

### **RESPONSIBILITIES HANDLED**

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#### **University, Institute and Department Level**

##### **1. Head of Department**

- Aligned department's improvement plan with available resources.
- Guided and monitored the implementation of curricular activities.
- Taken extra efforts to monitor results and executed necessary steps for their improvement.
- Organized different technical events in the department.
- Assisting the teaching staff in their overall personal and professional development.

##### **2. Other Responsibilities**

- Worked as Paper setter, Practical Chairman and Examiner for various subjects in University of Pune and Bharati Vidyapeeth University.
- Worked as Internal/External Senior supervisor for University Examinations.
- Worked in the SPPU CAP Center at NBN Sinhgad School of Engineering.
- Worked as Institute ERP Coordinator.
- Worked as website coordinator.
- Worked as a coordinator in various technical events in the Institute level technical events.
- Worked as a member of Institute Level Library Committee.
- Worked as Department NAAC Coordinator.
- Worked as Time table coordinator.
- Worked as Internal exam coordinator
- Worked as Industry Institute Interaction Cell (IIC) coordinator.
- Worked as Project Coordinator.
- Worked as Class teacher and Teacher Guardian.

#### **Subject Taught at Undergraduate Level**

- Computer Network, Data Communication and Wireless Sensor Networks, Data structure and algorithm, Data Structures and Files, Microprocessor Interfacing Techniques, Principles of Programming Languages, Mobile Computing, Problem Solving and Object-Oriented Programming, Object Oriented Multicore Programming, Data Mining Techniques and Applications, High Performance Networks, Digital Signal Processing, Software Testing and Quality Assurance, Soft Computing Optimization and Algorithms.

### **TRAINING PROGRAMS**

## 1. **Certifications**

- Completed a certification course on “Introduction to NFT: Non-fungible Tokens” conducted by LinkedIn Learning on 01 August 2021
- Completed a certification course on “Learning Bitcoin and Cryptocurrencies” conducted by LinkedIn Learning on 31 July 2021
- Completed a certification course on “Securing Cryptocurrencies” conducted by LinkedIn Learning on 30 July 2021
- Completed a certification course on “Learning Personal Branding” conducted by LinkedIn Learning on 29 July 2021
- Completed a certification course on “Cryptocurrency Foundations” conducted by LinkedIn Learning on 28 July 2021
- Completed a certification course on “Blockchain: Learning Solidity” conducted by LinkedIn Learning on 26 July 2021
- Completed a certification course on “Ethereum: Building Blockchain Decentralized Apps (DApps)” conducted by LinkedIn Learning on 24 July 2021
- Completed a certification course on “Blockchain: Beyond the Basics” conducted by LinkedIn Learning on 22 July 2021
- Completed a certification course on “Blockchain Basics” conducted by LinkedIn Learning on 21 July 2021
- Completed a certification course on “Flipping the Classroom” conducted by LinkedIn Learning on 20 July 2021
- Completed a certification course on “Blockchain Essentials” conducted by LinkedIn Learning on 28 July 2021
- Completed a certification course on “Python Data Structures” conducted by Cognitive Class on 07 July 2021
- Completed a certification course on “Foundations of Artificial Intelligence” conducted by Skillup on 24 June 2021
- Completed a certification course on “Getting Started with Docker” conducted by Skillup on 17 June 2021
- Completed a certification course on “Introduction to Cloud Computing” conducted by Skillup on 12 June 2021
- Completed a certification course on “Python Programming Essentials” conducted by Coursera (designed by RICE University) on 13 May 2020
- Completed a certification course on “Programming for Everybody (Getting Started with Python)” conducted by Coursera (designed by Michigan University) on 05 May 2020
- Completed a certification course on “Machine Learning For All” conducted by Coursera (designed by London University) on 26 May 2020
- Completed a certification course on “Machine Learning Foundations: A Case Study Approach” conducted by Coursera (designed by University of Washington) on 23 May 2020
- Completed a certification course on “Intro to TensorFlow” conducted by Coursera on 05 April 2020
- Completed a certification course on “Introduction to Git and GitHub” conducted by Coursera on 13 May 2020
- Completed a certification course on “Python 3.4.3 Training” conducted by IIT Spoken Tutorial on 25 April 2020
- Completed a certification course on “Modern JavaScript for beginners” on 08 April 2020 designed by Udemy
- Completed a certification course on “Python beyond basics – Object oriented programming” on 03 April 2020 designed by Udemy
- Completed a 12-week certification course of NPTEL on “Introduction to Internet of Things”, offered by IIT, Kharagpur.
- Completed a course on “MongoDB Basics”, offered by MongoDB University (on September 2018).
- Completed a course on “*Information Systems and Computer Applications Series 1-2*”, offered by University Polytechnic De Valencia through EDX.
- Completed a course on “*Introduction to Typescript*”, offered by Microsoft, an online learning initiative by Microsoft through EDX.
- Completed a course and successfully cleared “*Test on C & C++ under the project Talk to A Teacher*”, conducted by IIT Bombay.
- Completed a course on “*Introduction to Linux*”, offered by LinuxFoundationX, an online learning initiative of The Linux Foundation through edX.

- Completed a course on “C Training”, offered by Spoken Tutorial project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt of India.
- Completed a course on “CPP Training”, offered by Spoken Tutorial project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt of India.
- Attended and completed the ISO 9001 Internal Auditors Training Program Conducted by Dr. Sengupta & associates at VIIT, Pune.
- Participated in “Deep Dive Faculty Enablement Program (Foundation Program 3.0)” offered by Infosys Limited, Pune under Infosys Campus Connect.

## 2. STTP/Workshop / Seminar / Symposium Attended

- Attended online FDP on “Blockchain” conducted by The LNM Institute of Information Technology in association with AICTE Training And Learning (ATAL) (from 14 June 2021 to 18 June 2021)
- Attended online FDP on “Creating Innovation and Startups with Internet of Things” conducted by The Institute of Technology and Management in association with AICTE Training And Learning (ATAL) (from 07 June 2021 to 11 June 2021)
- Attended One Week Online Symposium on “Affective Management”, organized by NBNSSoE, Pune. (8-13 March 2021)
- Attended One day online FDP on “Principles of Programming Languages (SE 2019 Course)”, organized by NBNSSoE in association with BoS Computer Engineering, SPPU, Pune. (25 January 2021)
- Attended online session on “How to improve citations and write Research papers”, organized by SVIT Nashik. (1<sup>st</sup> May 2020)
- Participated in one-week FDP on Python 3.4.3 conducted by Pimpri Chinchwad College of Engineering, Ravet, Pune (20-25 April 2020)
- Participated in one day workshop on “SE Computer Engineering Syllabus Content Finalization (2019 Course)”, in association with Board of Studies, Computer Engineering, SPPU, Pune at Zeal College of Engineering and Research, Pune (30 January 2020)
- Participated in one day workshop on “SE Computer Engineering Syllabus Revision (2019 Course)”, in association with Board of Studies, Computer Engineering, SPPU, Pune at Dr. D.Y. Patil Institute of Technology, Pimpri, Pune (4 January 2020)
- Attended one-week STTP program on “Problem Based Learning (ICT15)”, in association with National Institute of Technical Training & Research, Kolkata at Sinhgad Institute of Technology, Pune (02-06 December 2019)
- Attended one-day FDP program on “Website Development”, at RMD Sinhgad School of Engineering, Pune (05 October 2019)
- Attended MHRD sponsored one-week FDP program on “Data Science”, organized by Faculty Development Center in Cyber Security and Data Sciences and conducted by FDC PMMMMNMTT at RMD Sinhgad School of Engineering, Pune (16-21 September 2019)
- Attended MHRD sponsored one-week FDP program on “Cyber Security”, organized by Faculty Development Center in Cyber Security and Data Sciences and conducted by FDC PMMMMNMTT at NBN Sinhgad School of Engineering, Pune (8-13 April 2019)
- Attended one week faculty development program on “Research Trends, Techniques & Opportunities in Data & Text Analytics with Machine Learning” at Sinhgad Institute of Technology and Science, Narhe, Pune (25<sup>th</sup> February to 1<sup>st</sup> March 2019)
- Participated in state level workshop jointly organized by BCUD, Pune and VIIT, Pune on “Recent Trends in Computer Engineering and Information Technology”, at Vishwarkarma Institute of Information Technology, Pune (10-11 February 2017)
- Attended one day workshop on “Research Paper Writing: Tips and Tricks”, at Smt. Kashibai Navale College of Engineering, Pune. (6 February 2017)
- Attended two days’ workshop on “Network Security”, at Information Technology Department, NBN Sinhgad School of Engineering, Pune (19-20 January 2017)
- Participated in one-week national level FDP on “Network Simulator (NS-2 and NS-3)”, at SKN Sinhgad Institute of Technology and Science, Lonawala (7-11 October 2016)
- Attended one day workshop on “Content Preparation Using LATEX”, at Smt. Kashibai Navale College of Engineering, Pune. (15 July 2016)
- Attended a one-week national level STTP on “Routing in Internet of Things”, at NBN Sinhgad School of Engineering, Pune (2-6 February 2016)
- Participated in one day FDP on “Computer Organization and Architecture” in association with BoS, Computer Engineering, SPPU, Pune, at NBN Sinhgad School of Engineering, Pune (24 June 2016)
- Participated in one day FDP on “Computer Graphics” in association with BoS, Computer Engineering, SPPU, Pune, at NBN Sinhgad School of Engineering, Pune (21 December 2016)

- Participated in one day ISTE approved workshop on “*Conceptualizing the Research*”, at Sau. Venutai Chavan Polytechnic, Pune (19 September 2015)
- Attended a one-week ISTE approved STTP on “*Machine Learning and Computational Intelligence*”, at Sinhgad College of Engineering, Pune (25-29 May 2015)
- Participated and contributed in workshop of “*BE Computer Engineering syllabus of Board of Studies in Computer Engineering*”, at NBN Sinhgad School of Engineering, Pune (28 February 2015)
- Attended three days’ workshop on “*Wireless Sensor Network: Modeling and Simulation*”, at Smt. Kashibai Navale College of Engineering, Pune. (7-9 August 2014)
- Attended two days FDP on TE Computer Engineering 2012 course subject “*Data Communication and Wireless Sensor Networks*”, at Pimpri Chinchwad College of Engineering, Pune (4-5 July 2014)
- Participated in one day workshop on “*Massively Empowered Classrooms*”, jointly organized by Microsoft Research and Pune Institute of Computer Technology, Pune (6 July 2013)
- Participated in two days BCUD sponsored Seminar on “*Android*”, at Cummins College of Engineering, Pune (9-10 October 2013)
- Participated in FDP on “*Network Simulator (NS-2)*”, at Smt. Kashibai Navale College of Engineering, Pune. (23-27 October 2010)
- Attended two days Continuing Engineering Education Program in “*MATLAB*”, at Vishwkarma Institute of Information Technology, Pune (28-30 January 2008)
- Attended two days Continuing Engineering Education Program in “*MATLAB*”, at Vishwkarma Institute of Information Technology, Pune (26-28 July 2007)
- Attended a national level workshop on “*Networks and Information Security*”, at Vishwkarma Institute of Information Technology, Pune (11-13 January 2007)
- Attended two days course on “*MATLAB*”, at College of Engineering, Pune (15-16 September 2006)
- Participated in Seminar on “*Ethical Hacking and Network Security*”, at Vishwkarma Institute of Information Technology, Pune (20 September 2005)

### 3. STTP/Workshop / Seminar / Symposium Coordinated

- Worked as a Co-Convener for National Conference on Innovative Engineering Technologies and Management (IETM) at MIT School of Engineering, MIT ADT University, Pune (10 & 11<sup>th</sup> November 2021)
- Worked as a Convener for Global Conference on Next Generation Information Communication Technologies at NBN Sinhgad School of Engineering, Pune (10 & 11<sup>th</sup> April 2020)
- Coordinated two days state level workshop on “*Deep Learning*”, at NBN Sinhgad School of Engineering, Pune (12-23 February 2019)
- Coordinated a workshop on “*Introduction to Data Analytics using Big-Data*”, at NBN Sinhgad School of Engineering, Pune (19-20 September 2016)
- Coordinated a one-week national level STTP on “*Routing in Internet of Things*”, at NBN Sinhgad School of Engineering, Pune (2-6 February 2016)
- Coordinated a workshop on “*Big Data Analytics and Hadoop*”, at NBN Sinhgad School of Engineering, Pune (31 August – 1 September 2015)
- Coordinated Industrial level winter training program on “*National Network Security Championship*”, conducted by Network Bulls and RedMap eLearning at NBN Sinhgad School of Engineering, Pune (8-11 December 2015)

### 4. Trainer/Guest Lecturer

- Worked as a Lead Expert and Attendee in STES’s Train the Trainer Program for subject “*Principles of Programming Languages*”, at NBN Sinhgad School of Engineering, Pune. (16-18 December 2019)
- Worked as a Trainer in STES’s Train the Trainer Program for subject “*Object Oriented Programming*”, at SKN College of Engineering, Pune. (11 September 2019)
- Invited as guest lecturer in the Information Technology Department at NBN Sinhgad School of Engineering on “*Processor Architecture and Interfacing*”. (28 March 2018)
- Invited as guest lecturer in the Computer Engineering Department at Sau Venutai Chavan Polytechnic, Pune on “*Internet of Things*”. (11 August 2016)
- Conducted training session on ‘GEMS (ERP)’ for faculties of all the departments of at NBN Sinhgad School of Engineering, Pune (02 June 2016)
- Invited as expert lecturer in the E&TC Department at NBN Sinhgad School of Engineering on “*Prerequisites in Information and Network Security*”, for M.E. students. (28 March 2018)
- Worked as a Subject Trainer in STES’s Train the Trainer Program for subject “*Computer Network Technology*”, at Sinhgad Institute of Technology, Lonawala. (10-15 June 2014)
- Worked as a Subject Trainer in STES’s Train the Trainer Program for subject “*Computer Network*”,

- at RMD Sinhgad School of Engineering, Pune. (11-13 December 2014)
- Worked as a Subject Trainer in STES's Train the Trainer Program for subject "Data Communication and Wireless Sensor Network", at Sinhgad College of Engineering, Pune. (16-21 June 2014)
- Worked as a Subject Trainer in STES's Train the Trainer Program for subject "Computer Networks", at, RMD Sinhgad School of Engineering Pune. (09-14 December 2013)

## RESOURCE PERSON

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- Invited as a session chair and worked as a reviewer for International Conference on Recent trends in Engineering and Technology VISHWACON 2021 organized by Vishwakarma Institute of Information Technology, Pune (27th November 2021)
- Worked as a reviewer in IEEE Conference on Technologies for Future Cities 2021 at Pillai College of Engineering, Panvel, Mumbai. (8-9 October 2021)
- Conducted a session on Blockchain technology at Shri Vishnu Engineering College For Women, Bhimavaram, W.G.Dist, Andhra Pradesh (1<sup>st</sup> September 2021)
- Invited as a session chair and worked as a reviewer for International Conference on Recent trends in Engineering and Technology VISHWACON 2020 organized by Vishwakarma Institute of Information Technology, Pune (28<sup>th</sup> November 2020)
- Invited as a session chair and worked as a reviewer for 9<sup>th</sup> Post Graduate Conference of Computer Engineering (cPGCON-2020) organized by Amrutvahini College of Engineering, Sangamner (10<sup>th</sup> – 11<sup>th</sup> July 2020)
- Invited as a Resource person for FDP on Object Oriented Programming in association with Board of Studies (Computer Engineering), Savitribai Phule Pune University, Pune on 9th Jul 2020 at Sinhgad Institute of Technology and Science, Pune
- Invited as a Resource person for FDP on Object Oriented Programming and Computer Graphics Laboratory in association with Board of Studies (Computer Engineering), Savitribai Phule Pune University, Pune on 11th Jul 2020 at Anantrao Pawar College of Engineering, Pune
- Worked as Jury in Internal Hackathon for Smart India Hackathon 2020 at Sinhgad Institute of Technology and Science, Pune (2020).
- Worked as Jury in Internal Hackathon for Smart India Hackathon 2020 at NBN Sinhgad Technical Institute Campus, Pune (2020).
- Worked as a session chair for International Conference on Pervasive Computing-2020 organized by Sinhgad College of Engineering, Pune (13-14 February 2020)
- Invited as a Resource Person for One Week State Level workshop on "Recent Trends in Internet of Things", at NDMVP's C.M.C.S. College, Nashik. (21 December 2019)
- Working in National Advisory Committee of "International conference on Future Intelligence in Science and Technology", organized by Sinhgad Institute of Technology and Science at Kuala Lumpur, Malaysia (20-21 March 2020).
- Worked in the Technical Advisory Committee of National conference on Engineering Innovations and Solutions. (NCEIS – 2019), at GSSS Institute of Engineering and Technology for Women at Mysuru, Karnataka.
- Worked as a judge for "National Conference on Recent Advances in Engineering Sciences-2019 (NCRAES-19)", at Bharati Vidyapeeth's College of Engineering, Lavale, Pune (26-27 March 2019)
- Worked as a Session Chair for 4<sup>th</sup> International Conference on Internet of Things, Next Generation Networks and Cloud Computing 2019 at Smt. Kashibai Navale College of Engineering, Pune (15<sup>th</sup> February 2019)
- Worked as a Special Invitee of Board of Studies in Data Science at Symbiosis Skills and Open University, Kiwale, Pune (10<sup>th</sup> January 2019)
- Worked as reviewer for 4<sup>th</sup> International Conference on Computing Communication Control and Automation -ICCUBEA 2018 in association with IEEE Pune Section at Pimpri Chinchwad College of Engineering, Pune (16-18 August 2018).
- Worked as reviewer for 3<sup>rd</sup> International Conference on Computing Communication Control and Automation -ICCUBEA 2017 in association with IEEE Pune Section at Pimpri Chinchwad College of Engineering, Pune (17-18 August 2017).
- Invited as a Resource Person for conducting workshop on IoT at Navasahyadri Institute of Technology (Polytechnic) (22 February 2017)
- Invited for expert talk during one day national level workshop on "Arduino programming", at NBN Sinhgad School of Engineering, Pune (24 March 2017)
- Invited as judge for "Poster Presentation for National Conference on Emerging Trends and Challenges in Computer Science and Technology", at Sinhgad College of Science, Pune (27-28 February 2017)
- Invited as resource person to give a talk on "Career Opportunities in IT", at Sinhgad College of

- Science, Pune (08 February 2017)
- Invited as a Session chair in “*International Conference on Innovative and Advanced Technologies in Engineering*”, at Atharva College of Engineering, Mumbai (14 January 2017)
  - Invited as resource person in BCUD sponsored and ISTE approved one-week’s National Level STTP on “Introduction and Application of Internet of Things Using Raspberry Pi”, at IT department of NBNSSoE, Pune (26-30 December 2016)
  - Invited as resource person in one day workshop on “Internet of Things”, at Shri. Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar (17 September 2016)
  - Invited as resource person in FDP on “Research Advances in IoT”, at Ramrao Adhik Institute of Technology (RAIT), Mumbai (21 June 2016)
  - Invited as a Resource Person for One Week National Level STTP on “Introduction and Applications of Internet of Things Using Raspberry Pi”, at Information Technology Department of NBN Sinhgad School of Engineering, Pune. (26-30 December 2016)
  - Invited for conducting expert lecture on “*Cyber Security*”, for ME E&TC students of Electronics and Telecommunication Department, NBN Sinhgad School of Engineering, Pune. (03 November 2015)
  - Invited as resource person to give a talk on “*Introduction to Cyber/Information Security*”, at Sinhgad College of Science, Pune (20 December 2014)

## BOOKS PUBLISHED

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Sr.No.	Title	University	Publisher	Year
1	Computer Network	SPPU, Pune	Nirali Publications	2011
2	Programming and Problem Solving	SPPU, Pune	Nirali Publications	2010
3	Computer Network Technology	SPPU, Pune	Nirali Publications	2010
4	Data Structures and Algorithms	SPPU, Pune	Nirali Publications	2016
5	Data mining	SPPU, Pune	Nirali Publications	2018
6	Computer Organization and Architecture	SPPU, Pune	Nirali Publications	2018
7	Data Structure	SPPU, Pune	Nirali Publications	2018
8	Data Structure	BATU	Nirali Publications	2018
9	Computer Network	BATU	Nirali Publications	2019
10	Fundamentals of Data Structure	SPPU, Pune	Nirali Publications	2020
11	Wireless Sensor Networks	BATU	Nirali Publications	2020
12	Computer Network	SPPU, Pune	Nirali Publications	2021

## PERSONAL INFORMATION

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**Date of Birth:** October 03, 1981  
**Citizenship:** Indian  
**Father’s Name:** Shri Vishwanath Laxman Dhumane.  
**Permanent Address:** Flat no-24, Laxmi Residency, Phase-II, Near Damodar Nagar, Hingne Kd, Sinhgad Road, Pune.  
**Passport No:** U1781969  
**Strengths:**

- Flexible and Adaptable
- Have decision making skills
- Can lead a team.
- Can work very hard.
- Self-motivated

**Hobbies:**

- Playing Guitar
- Travelling

I hereby declare that all the above information furnished by me is true to the best of my knowledge.



**Date: 12/04/2022**

**Dr. Amol Dhumane**

## Annexure-I

### A. Conference Papers

<b>International Conferences</b>		
Sr. No	Paper Title	Conference Name
1	Context Awareness in IoT Routing	4th International Conference On Computing, Communication, Control And Automation 16th - 18th Aug 2018
2	Internet of Things: A Need of Future	International Conference on Advances in Cloud Computing (CSI ACC 2014), 10th Oct, 2014
3	Routing Issues in Internet of Things: A Survey	Proceedings of the International MultiConference of Engineers and Computer Scientists 2016 Vol I, March 16-18, 2016, Hong Kong
4	Routing under IoT Umbrella	International conference on Internet of Things, Next Generation Networks and Cloud Computing, February 26th & 28th, 2016
5	CAMRA: Context Aware Multipath Routing Algorithm in nternet of Things	International Conference on Innovative Engineering and Technologies, 5 <sup>th</sup> & 6 <sup>th</sup> May 2016, Kuala Lumpur – Malaysia
6	A review on active queue management techniques of congestion control	International conference on Electronic systems, signal processing and computing technologies(icesc), 2014
7	POS Tagging	International conference on Emerging Techniques in Computing, Electronics, Embedded systems and VLSI Design, March 2008, Ahmednagar
8	Text Summarizer	International conference on Emerging Techniques in Computing, Electronics, Embedded systems and VLSI Design, March 2008, Ahmednagar
<b>National Conference</b>		
1	Robotics in Surgery	A national conference on Emerging Trends in Biomedical Engineering, BioCon, September 2005
2	Issues in Designing Energy Based Routing Protocol in Internet of Things	Fifth Post Graduate Conference Of Computer Engineering, CPGCON 2016
3	Clustering Issues in Internet of Things: State of Art	National Conference on Innovative Engineering Technologies and Management at MIT ADT University, Pune (11 <sup>th</sup> -12 <sup>th</sup> November 2021)

### B. Journal Papers

<b>International Journals</b>		
Sr. No	Paper Title	Journal Name
1	Blending IoT and Blockchain: Opportunities, Challenges And Use Cases	Vidyabharati International Interdisciplinary Research Journal 13(1), pp: 310-320, ISSN 2319-4979
2	Multi-Objective Whale Optimization Algorithm Using Fractional Calculus For Green Routing In Internet Of Things	International Journal of Advanced Science and Technology, Vol. 29 No. 3s (2020)
3	Routing Protocols in Internet of Things: A Survey	TEST Engineering & Management, Vol-82, PP:2273-2280, ISSN: 0193-4120
4	Cluster Based Energy Efficient Routing using Dragonfly Optimization Algorithm in Internet of Things	SSRN 3694908, 2020
5	Currency Recognition App for Visually Impaired People with Audio Output	International Journal of Future Generation Communication and Networking Vol. 13, No. 3s, (2020), pp. 1381–1382
6	Multipath Transmission in IoT using Hybrid Salp Swarm-Differential Evolution Algorithm	Journal of Networking and Communication Systems, Vol 3, 2020, Resbee Publication, pp:20-30
7	An Optimal Routing Algorithm for Internet of Things Enabling Technologies	International Journal of Rough Sets and Data Analysis, Vol-4, Issue-3, PP:1-16
8	A review on routing protocol for low power and lossy networks in IoT	International Journal of Advanced Engineering and global Technology (IJAEGT) ISSN NO: 2309-4893
9	Location Based Services using iBeacon in Museum	International Journal of Advanced Research in Education & Technology (IJARET), Vol-4, Issue-1, PP:34-35
10	Smart Home Automation System	International Journal of Engineering Science, Vol-6, Issue-5, ISSN 2321 3361, PP: 4897-4900
11	Multi-objective fractional gravitational search algorithm for energy efficient routing in IoT	Wireless Networks (2017), ISSN: 1572-8196



12	Fractional Gravitational Grey Wolf Optimization to Multi-Path Data Transmission in IoT	Wireless Personal Communication (2017), ISSN: 0929-6212
13	Highly Secure Data Sharing in Cloud Storage using Key-Pair Cryptosystem	International Journal of Computer Science and Mobile Computing, Vol-4, Issue-10, PP:35-39
14	Soil Monitoring System using Zigbee for Smart Agriculture	IJSTE - International Journal of Science Technology & Engineering, Volume 4, Issue 7, January 2018 ISSN (online): 2349-784X
15	An Active Queue Management Techniques (Concave Red)	Cyber times International Journal of Technology & management, Vol-7, Issue-5, ISSN No.: 2278-7518,PP: 538-544
<b>National Journals</b>		
1	Routing Challenges in Internet of Things	CSI Communications, ISSN 0970-647X, Volume No. 38 ,Issue No. 12   March 2015
2	Active Queue Management	CSI Communications, ISSN 0970-647X, Volume No. 38 ,Issue No. 8   November 2014