



Mr. Santosh A. Darade

Ph.D. (Pursuing), M.E. (Computer Engineering), B.E. (Computer Science and Engineering) HOD, Computer Engineering

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Experience: 14 years

Research Interest

Software Defined Networking, Cryptography & Cyber Security, Networking & Security

Research Publications and Citations

International Journal	: 01	International Conferences	: 10	National Conferences	: 02
Google Scholar citations	: 1898	Google Scholar h-index	: 20	Google Scholar i10-index	: 33

Research Grants

- Principal Investigator : Geo-encryption – A New Direction to secure SSL VPN , Rs. 50,000/-

Invited Talks

- One Day Workshop on “Operating System & Administration “at PimpriChinchwad College of Engineering & Research, Pune
- Session on “Computer Networking” at Faculty Development Program organized by BoS Computer and SKN COE, 13th June 2017.
- Session on “Fundamentals of Computer Networking” Pune District Education Association's College of Engineering
- Session on “Art of Happiness” for Second Year students at SKN College of Engineering.
- Session on “Positive attitude towards life” for all faculties of Sinhgad Institute of Technology & Science Narhe
- Session on “Software Defined Networking” at Indira College of Engineering Pune.
- Session on “Computer Networking ” at ZEAL College of Engineering
- Session on “Software Defined Networking” at ZEAL College of Engineering at Department of Information Technology Pune.
- One Day Workshop on “Computer Networking Lab” at JSPM’s College of Engineering, Narhe
- One Day Workshop on “Computer Networking Lab” at Jay Hind COE Junner,
- One Day Workshop on “Computer Networking Lab” at Ajinkya D Y Patil COE, Lohgaon.
- One Day Workshop on “Computer Networking Lab” at Universal COE, Pune
- Expert session on “Web Technology Lab” at Keystone school of Engineering
- One Day workshop on “Computer Networks Lab” at Gnyanba Sopanrao Moze COE, Balewadi
- One Day workshop on “Computer Networks Lab” at Gnyanba Sopanrao Moze COE, Wagholi

Conferences

- Session Chair, QUANTONIUM’18 Indira College of Engineering Pune.
- Session Chair “National Conference” at COE Phaltan.
- Session Chair, VidyashramTechfiesta 2011 Jalgaon - A national level technical paper presentation contest.

Workshops/Seminars/Conferences/Competitions Organized:

- Successfully organized two days FDP on “Multicore Architecture & Programming” on 29th & 30th June 2013 at SITS, Dept. of Computer Engg. Narhe, Pune.
- Successfully organized three days FDP on “Operating System & Administration” on 5th & 7th July 2013 at SITS, Dept. of Computer Engg. Narhe Pune.
- Successfully organized five days FDP on “CUDA & OpenMp” December 17-21, 2014 at SITS, Dept. of Computer Engg. Narhe, Pune.
- Successfully organized Eight week training on “**Preliminary SDN training course**” 1st April to 15th March 2017 at SITS- Department of Computer Engineering in association with Ecode Networks Pvt. Ltd. London.
- Successfully organized Eight week training program on “**Open Certified Software Defined Networking Associates (OCSA)**” 1st October to 19th Dec 2017 at SITS-Department of Computer Engineering in association with Ecode Networks Pvt. Ltd. London

SDP/FDP/STTP/Training programmes attended:

- “Advanced Computing Techniques” Dept. of Comp. Engg. DJSCOE, Vile Parle, Mumbai. 07th Jan 2008 - 18th Jan 2008 (Two Weeks)
- “Integrating Security & Software Engineering”, Dept. of IT DJSCOE, Vile Parle, Mumbai. 09th June 2008 - 20th June 2008 (Two Weeks).
- “Recent Trends in Advanced Image Processing” Departments of Electronics & ENTC, GHRCEM, Pune. 23rd Nov 2009 - 27th Nov 2009 (One Week)
- “Recent Trends in Computing” Dept. of Comp. Engg. & IT GHRCEM, Pune, 21st Dec 2009 – 25th Dec 2009 (One Week)
- “Advanced Trends in Networking” Dept of IT SIT, Lonavla, Pune. 23rd April 2010 – 27th April 2010 (One Week).
- “Network Security” Dept. of Computer Engg., GHRCEM, Wagholi, Pune. 23rd May 2011 – 27th May 2011 (One Week).
- “Digital Signal Processing & its Application in Communication, Control & Biomedical Engg.” 03rd June 2006 - 07th June 06 RAIT, Nerul, Navi Mumbai.
- “Distributed Computing using CORBA” 22nd Jan 2006 - 23rd Jan 2006 Dept. of Comp. & IT B.V.C.O.E., Belapur, Navi Mumbai.
- “Advances in Technology & Recent Developments” 29th Feb 2008 - 01st March 2008 SVKM, DJSCOE, Vile Parle, Mumbai.
- “High Performance Computing in Academia & Beyond” 14 Nov 2009 Department of Comp. Engg. COEP Pune.
- Attended one day workshop of T.E. (Computer Engg. 2012 Course) syllabus revision for the subject **Computer Networks** at PimpriChinchwad College of Engg held on 27th December 2013.
- Participated as a subject coordinator/ trainer in one week “STES’s Train the Trainer Program” from 9th to 14th Dec, 2013.
 - Successfully completed eight week training on “**Preliminary SDN training course**” 1st April to 15th March 2017 organized by Department of Computer Engineering in association with Ecode Networks Pvt. Ltd. London.
 - Successfully completed eight week training program on “**Open Certified Software Defined Networking Associates (OCSA)**” 1st October to 19th Dec 2017 organized by Department of Computer Engineering in association with Ecode Networks Pvt. Ltd. London.

Institute/University Services

- Worked as Assit. to Sr. Supervisor for Theory Examination SPPU Oct/ Nov 2016-2017.
- Worked as an **External Referee** in the University of Mumbai for **ME dissertation** entitled “Dynamic Enforcement of web service security” in June 2012.
 - Senior Supervisor of conduction of Pune University Theory Examination
 - Working as a Paper setter & Project evaluator in Shivaji University, (B.E. comp)

Professional Affiliations

- Life Member - ISTE (Indian Society of Technical Education) - LM 57595

Awards/Noteworthy Achievement

- Received appreciation letters during academic year 2012-13, 2013-14, and 2014-15 for the best teaching in the subjects like Computer Networks, Operating System & Administration, Information Security & for the good academic excellence.
- Established self-funded “SarvajanikVachnalay” at home town ParadaDarade, Reg. No. Maha – 629/2013, F-15406 Buldhana ” .
- Organized more than 5 Art of Living Happiness program & Conduced 1 Navchetna Shibir at home town Parada Darade.
- Doing PhD Internship in Software Defined networking research domain at Ecode Networks 68, Lombard, Street, London, UK.
- **Inaugurated India’s first dedicated software defined networks laboratory in Sinhgad Institute of technology & science, Nahre, Pune at Department of Computer Engineering in association with Ecode Networks Pvt. Ltd London, UK on 17/03/2017.**
- **Inaugurated HDFC - ATM cum digital Bank on 30-09-2017 at Home town Parada Darade.** First ATM in our village to open account, withdraw & deposit money pays the bills.

UG Project guided/ PG Project guided

- Network Level Security in Hadoop using Wire Encryption
- Detection of Firewall Policy Anomalies in Real-time Distributed Network Security Appliances
- Face Detection & Recognition of VideoCharacters
- Data Security in Cloud Computing using Password Generation Techniques
- Security issues in Software DefinedNetworking
- IoT based DC Home AutomationSystem

Subjects Taught

System & Information Security, Internet Technology & application, Computer Networks (4 times), Theory of Computation, Network & Information Security, Operating System & Administration, Object oriented Programming, System Operation & Maintenance, Advance TCP/ IP for ME (Comp. Network), Information Assurance & Security, Advance Computer Networks, Design & Analysis of Computer Networks., Information Theory Coding, Fundamentals of Programming Language

Publications

1. **“Operating System & Administration”** SE Computer Engineering 2012 Course, University of Pune for the academic year 2013-14, Nirali Publications.
2. **“Information & Cyber Security”** BE Information Technology 2012 Course, University of Pune for the academic year 2014-15. TechMax Publications.
3. **“Cryptography and System Security”** BE Computer Engineering 2012 course, University of Mumbai for the academic year 2015-16. TechMax Publications.
4. **“Data Compression & Encryption”** BE ENTC 2012 course, University of Mumbai for the academic year 2015-16. TechMax Publications.
5. **“Information Security”** TE CSE 2012 course, Shivaji University Kolhapur for the academic year 2015-16. TechMax Publications.
6. **“Cyber Security”** BE Computer Engg. 2012 course, Savitribai Phule Pune University, Pune Academic Year 2015-16. TechMax Publications.
7. **“Information & Network Security”** BE Computer Engg. & Computer Science & Engg. – Semester – VII, Gujarat Technological University, Gujrat Academic Year 2016-17.
8. **“Network Security”** Questions & Answers Semester VI - Computer Engineering (HSBTE). January 2017.
9. **“Web Technology”** TE Computer Engg. Semester – VII- SPPU – AY 2017-18, TechMax Publications.
10. **“Information & Cyber Security”** Semester – VII, BE IT, SPPU – AY 2018-19, TechMax Publications.
11. **“Data Compression and Encryption”** Semester V –ENTC – Mumbai University, AY 2018-19.
12. **“Information & Cyber Security”** Semester – VIII, BE Comp., SPPU – AY 2018-19, TechMax Publications.
13. **“Cryptography and System Security”** Semester – VI – TE Comp, Mumbai University, AY 2018-19.
14. **“Infrastructural Security”** Semester – V – TE Comp, Mumbai University, AY 2019-20.
15. **“Network & Information Security”** Semester – VII- BE ENTC- SPPU, Pune, AY 2019-20