

Devesh C. Jinwala



*" Not everything that counts can be counted and not everything that can be counted, counts."
– Sir Albert Einstein*

Basic Profile & Contact Details

- o Date of Birth: nn xxx 1964
- o Affiliation: Professor(HAG) in Computer Science & Engg., Sardar Vallabhbhai National Institute of Technology, Surat, (Jun 2019 - continuing)
- o email: dcjinwala@acm.org, dcj@svnit.ac.in
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Academic Qualifications

- o Ph. D (Computer Engineering), M. E. (Electrical Engineering), B. E. (Electronics Engineering)

Additional Administrative Responsibilities/Roles

- o Dean, Research & Consultancy, SVNIT (Feb 2021 – continuing)
- o Dean, Alumni & Resource Generation, Additional Charge, SVNIT. (Feb 2021 – continuing)
- o Adjunct Professor in CSE , IIT Jammu (Jan 2020 - continuing)
- o Adjunct Professor in CSE , CHARUSAT University (Jan 2021 - continuing)

Designations held: In the past

- o Professor-on-deputation in Computer Science & Engg., IIT Jammu (July 2018 – Dec 2019)
- o Visiting Professor, Invited, Daniel Felix Ritchie School of Computer Science and Engineering, University of Denver, USA (July 2016 – Jun 2017)
- o Professor, Computer Engineering Dept., SVNIT (Jun 2011 – Jun 2019)
- o Associate Professor, Computer Engineering Dept., SVNIT (Jan 2006 – Jun 2011)
- o Assistant Professor, Computer Engineering Dept., SVNIT (Oct 1998 – Dec 2005)
- o Lecturer, Electronics Engineering Dept., SVRCET (Jan 1991 – Oct 1998)

Additional Responsibilities/Roles: In the past

- o Dean, Faculty Affairs IIT Jammu (Aug 2018 – Feb 2021)
- o Head, Computer Science & Engineering Dept., IIT Jammu (Jul 2018 – Dec 2019)
- o Professor-In-Charge, International Collaborations, SVNIT (Sep 2020 – Sep 2022)
- o Dean, Research & Consultancy, SVNIT (Feb 2015 – July 2016)
- o Dean, Faculty Welfare, SVNIT (Feb 2013 – Jun 2014)
- o Head, Department of Computer Engineering, SVNIT (Jul 2014 – Dec 2014)
- o Head, Department of Computer Engineering, SVNIT (Feb 2010 – Feb 2012)
- o Professor Incharge, Central Computer Center, SVRCET (Oct 2002 – Jan 2010)
- o Systems Manager, Central Computer Center, SVRCET (Aug 1997 – Oct 2002)

Awards

- o Senior Member, ACM

- Senior Member, IEEE
- Appreciation Certificate for developing MS Cyber Security program and for dedication in research and teaching, from University of Denver, USA, 2017
- Appreciation Certificate for Contributions in Faculty Development, Staff and Human Resource Development and for Contributions to the Vision of IIT Jammu, from IIT Jammu, 2021
- Recognition of Service Award Certificate in Appreciation for Contributions to the ACM as Faculty Sponsor from ACM, 2014,

Research Areas of Interest

- Information and Communications Security and Privacy Issues
- Machine Learning in Information Security and Privacy including Adversarial Machine Learning
- Security and Privacy Issues in Resource constrained Environments and the Internet of Things
- Software Requirements Specifications and Conflict Resolution in Non-functional Requirements

Publications statistics

- Google Scholar h-index: 22, i10-index: 48
- DBLP count of publications: J39, C29, P2, E1.
- Scopus Author ID: 25961011000, publications count: 93, h-index: 14
- PUBLONS Web of Science ID: C-9322-2012, Publications: 57, h-index: 9

Funds/Research Grants/Projects

1. One of the project team members at SVNIT, Surat in the **Australia-India Water Centre (AIWC) Project** that consists of Universities/Organizations of Australia (lead by Western Sydney University) and Institutes/Organizations of India (lead by IIT Guwahati) with the scope to develop long-term collaboration in water research, capacity building and knowledge and technology transfer, particularly focusing on water and food security, safe drinking water supplies, river health, water-energy-food nexus, water for liveable cities and other related aspects of mutual benefits to Australia and India.
2. For the project titled **Information Security Education and Awareness Project Phase II** of Ministry of Communications and Information Technology, at SVNIT; Chief Investigator: Jan 2021 - continuing, July 2017 - July 2018. Joint-Investigator from April 2015 to July 2016. Budget allocation: Jointly allocated Rs 96.08 crores amongst select CFTIs.
Also Chief Investigator (for partial periods) of the **Information Security Education and Awareness Project Phase I** of Ministry of Communications and Information Technology, at SVNIT (2005-2012)
3. Chief Investigator for the project titled "**A Secure Data Aggregation System and an Intrusion Detection Systems for Wireless Sensor Networks**", Sponsored by the Department of Electronics and Information Technology, Ministry of Communications and Information Technology, Govt of India, New Delhi. Budget allocation: Rs. 48.864 lakhs. Project Commencement: Sep 2011 – Project Completed: Mar 2015
4. Chief Investigator for the project under the RESPOND programme by ISRO for the Research Project titled "**Design and Implementation of the Security Attributes driven Energy Efficient Link Layer Security Architecture for Wireless Sensor Networks**". Budget allocation: Rs. 7.5 lakhs. Project Commencement: Nov 2009 – Project Completed: Nov 2012.
5. Chief Investigator for the project titled "**Investigating Anti-Replay Algorithms for Link Layer Security Architecture in Wireless Sensor Networks**", Sponsored by the Gujarat Council of Science and Technology, Govt of Gujarat, Gandhinagar, under the Minor Research Project Scheme. Budget allocation: Rs. 2.44 lakhs. Project Commencement: April 2013 – Project Completion: March 2016.
6. Chief Investigator for the project under the MHRD, Gol's scheme Thrust Areas in Technical Education for the project titled "**Development of a Computer Aided Software Engineering Lab**". Budget allocation: Rs. 7.5 lakhs. Project Commencement: 1998 – Project Completion: 2001.

Technical Services

1. **On the Expert Committee** for reviewing the Funded Research Project Proposals, DRDO Labs, for the project proposals submitted to DRDO at the Central University of Jammu, Jammu.

2. **One of the Program Chairs** for ISEA ISAP Conference 2019, and editor along with the Editors Nandi, S., Vijay Laxmi, M S Gaur, Parvez Faruki, for the ISEA ISAP Conference 2019. The proceedings published in the Springer Communications in Computer and Information Science, 2019.
3. **On the reviewer panel** of ISEA ISAP Conference 2021, The Computer Journal , Transactions on Emerging Telecommunications Technologies, Elsevier's Computer Networks Journal; IET Security Journal; the International Journal of Computer Systems Science and Engineering; Frontiers in Blockchain; Journal of Ambient Intelligence and Humanized Computing; Inderscience's International Journal of Information and Computer Security; British Journal of Mathematics & Computer Science; Journal of King Saud University-Computer and Information Sciences ; International Journal of Computer Information Systems and Industrial Management Applications; ICT Academy's ICTACT Journal on Communication Technology; GIT - Journal of Engineering and Technology, Gandhinagar.
4. **On the Program Committee**, IWBT2022: the 2nd International Workshop on Blockchain Technologies, 2021; IEEE sponsored ICSCCC 2021: 2nd International Conference on Secure Cyber Computing and Communications; IC3 2019: Algorithms, Applications, Education, Systems (Hardware & Software) track. Also, **on the program committee of** the INDICON 2019, ICDCIT 2018, International Multi-Conference for Computer Scientists and Engineers, Hong Kong (2011 to 2018); ICIDCIT at KIIT University, Bhubaneshwar (2013); IEEE International Conference on Computer and Communication Technology (ICCCCT – since 2010).
5. Member, Board of Studies or Former Member Board of Studies at DA-IICT, Gandhinagar, CHARUSAT University, Anand(Gujarat); Pandit Deen Dayal Energy University, Gandhinagar(Gujarat), S G S Institute of Technology & Sciences, Indore (MP);Sarvajanik University, Surat (Gujarat), Parul University, Vadodara (Gujarat). In the past at Nirma Institute of Technology; Rashtriya Raksha University, Gandhinagar.

Ph D Research Work Supervision

Ph D Scholars Graduated

1. Mayuri A. Mehta (Graduating year: 2014).
2. Vivaksha J. Jariwala (2014).
3. Doshi Nishant (2014).
4. Sankita J. Patel (2015).
5. Nirali R. Nanavatil (2015)
6. Rashmi R. Phalanikar (2015)
7. Shivangi K. Surati (2016)
8. Ami T. Choksi (2016)
9. Keyur Parmar (2016)
10. Pawan R. Bhaladhare (2016)
11. Hasmukh Patel (2016)
12. Nilam A. Surati (/* Reviewer corrections not submitted - hence defence pending*/)
13. Kaushal Shah (2018)
14. Dhruvi Sharma (2019)
15. Mukti Padhya (2020)
16. Unnati S. Shah (2022, as a co-Supervisor)

Ph D Scholars Continuing

1. Himanshu Patel (Year of admission: 2015).
2. Shivanshu Mehta (2015).
3. Anshuman Patel (2015).
4. Sourabh Bhaskar (2020)
5. Krishnaraj B (2020)

Ph D Thesis Reviewed

1. Ms Sweta Saharan, "Privacy Preserving Data and Computation Offloading in Mobile Cloud Computing", National Institute of Technology, Jaipur, Supervisor : Prof Manoj Singh Gaur, Prof Vijay Laxmi, Prof Bezawada Bruhdeswar, 2021.

2. Mr Hemkumar D, "Study of Data Correlation's impact on Privacy Leakage in Privacy Preserving Models", National Institute of Technology, Warangal, Supervisor : Prof Dr. S. Ravichandra and Prof. D.V.L.N. Somayajulu, 2021.
3. Mr Tikaram Sanyashi, "Security Analysis of Homomorphic Encryption Schemes", Indian Institute of Technology, Bombay, Supervisor : Prof Bernard Menezes, 2021.
4. Mr.Ganesh Rajaram Pathak, "A Secure Framework for wireless Sensor Network", Sathyabama Institute of Science & Technology, Supervisor: Dr.M.S.Godwin Premi, 2021
5. Ms Nikita Singh, "An Efficient Distributed Ledger Technology based E-Governance Framework", National Institute of Technology, Raipur, Supervisor : Prof Manu Vardhan, 2021.
6. Ms Vineeta Jain, "Analysis and Detection of Privacy Leaks in Android", Malaviya National Institute of Technology, Jaipur, Supervisor : Prof Manoj Singh Gaur, Prof Vijay Laxmi, Prof Mohamed Mosbah, 2020.
7. Mr D Venkata Naga Siva Kumar", Precision and Privacy Preserving Multi-Keyword Search over Encrypted Data", National Institute of Technology, Surathkal, Supervisor : Prof Shanthi Thilangam, 2020.
8. Mr Nileshchandra K. Pikle, "Parallelization of Finite Element Method on Graphics Processing Unit", Viswesvarya National Institute of Technology, Nagpur, Supervisor : Prof Shailesh Sathe, 2019.
9. Mr Neeraj Garg, "Providing Context and User Preferred Services using Efficient Mobility Prediction Model", National Institute of Technology, Kurukshetra, Supervisor : Prof J S Lather, 2018
10. Ms Shweta Bhandari, "Analysis Techniques for Intra and Inter App(s) in Android", Malaviya National Institute of Technology, Jaipur, Supervisors: Prof Manoj Singh Gaur, Prof Vijay Laxmi, Prof Akka Zemmari, 2018.
11. Mr Gaurav Singhal, "QoS-aware Multicast Routing Protocol in MANETs", Malaviya National Institute of Technology, Jaipur, Supervisors: Prof Manoj Singh Gaur, Prof Vijay Laxmi, Prof D Vijay Rao, 2017.
12. Ms Shalvi Dave, "Network Access and Admission Restriction using Traffic Analysis and Vulnerability Detection ", Gujarat Technological University, Gandhinagar, Supervisor : Prof Bhushan Trivedi, 2016.
13. Monica Gahlawat, "Virtual Machine Allocation In Federated Clouds" Gujarat Technological University, Gandhinagar, Supervisor : Prof Priyanka Sharma, 2016
14. Joshi Gopalkrishna, "Optimisation of Data Quality Dimensions of Distributed and Co-Operative Information Systems", Jawaharlal Nehru Technological University, Hyderabad, Supervisor : Prof V Kamakshi Prasad 2015
15. Mrs Seema Ladhe,"A Resource Efficient Common Protection Path Approach for MPLS-based Recovery ", Narsee Monjee Institute of Management Studies, Mumbai Supervisor : Prof Vijay T. Raisinghani, 2015
16. Ms Namita Tiwari, " A Study of Proxy Signature and its Variants", Motilal Nehru National Institute of Technology, Allahabad, Supervisor : Prof Sahadeo Padhye, 2014.
17. Mr Sudarshan Patel, "Investigation and Comparative Studies of Algorithms for Collection of Unreferred Memory in Real Time and Distributed System ", Sardar Patel University, Supervisor : Prof V K Thakar, 2014
18. Mr Premchand Ambhore, "Carapace for Internet Security", Sant Gadge Baba Amravati University, Supervisor: Prof B B Meshram, 2014
19. Mr Navaneet Kumar Ojha, " A Study of RSA type Cryptosystem and its Weak Keys ", Motilal Nehru National Institute of Technology, Allahabad, Supervisor : Prof Sahadeo Padhye, 2013.
20. Mr Hemal Shah, "Investigations relating to Efficient Data Transmission and Reception in Adhoc Network", Ganpat University, Kherva., Supervisor : Prof Y. P. Kosta, 2013
21. Mr Kiran Amin, "Sequential Sequence Mining in Large Databases ",Ganpat University, Kherva Supervisor: Prof J. S. Shah, 2012.

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