

Professor (Dr.) Darshan Choksi

Qualifications : Ph.D.(Computer Science), MCA, M.Sc.(Physics)

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Summary of Scholastic and Research Activities :

- Working as a faculty member in the Post-Graduate Department of Computer Science & Technology at Sardar Patel University **since 1989** and currently serving as a **Professor**. Formerly served as a **Director** for two consecutive terms during 2004 to 2012.
- Recipient of the prestigious **Young Scientist Award** (National) from the **Indian Science Congress** in the year 1992.
- **Visited Japan under CICC Fellowship** and worked on “MF Online Data Base Design and Development” at Tokyo, Japan (1995).
- Received **Doctorate Degree in Computer Science** from Sardar Patel University (1996).
- Awarded **University Gold Medal** during study period.
- Served as an I/c **Dean** of the **Faculty of Science** at Sardar Patel University (2017-18).
- Worked as a **Chairman of Board of Studies in Computer Science** at Sardar Patel University for two consecutive terms.
- Awarded **Hari Ohm Ashram Prize** for best research paper in Computer Science and Computer Engineering (**2003-2004**).
- Honored with **Best Teacher Award** in the year 2000.
- Worked as a **Chairman** of the **Computer Society of India**, Vallabh Vidyanagar Chapter during 2004-05 and 2015-16.
- Declared as a **FELLOW of the Gujarat Science Academy** by the 7th Executive Council, 2008.
- Name appeared in several **International Who’s Who Directories** including ‘Indo-American Who’s Who’, ‘Indo-European Who’s Who’, ‘Reference Asia’, ‘World’s Who’s Who’, etc.
- Worked as a member of **AICTE expert committees** on assessment of academic institutions.

- Contributed **research** in several areas including distributed computing , system software, and computer networks. Guided several Ph. D. scholars in Computer Science .
- Contributed as a co-author of 4 text books of the **Gujarat State Board of School Textbooks**.
- Worked as a **Co-ordinator** of several UGC-sponsored Refresher Courses on ICT Applications organized by the UGC Human Resource Development Centre of the Sardar Patel University.

Five Keywords Reflecting Areas of Scholastic/Research Activities:

Computer Networks, Distributed Computing, System Software, Computer Organization, Object Oriented Programming

Some of the Recent Publications :

- ‘User-Level Process Migration Mechanism’, International Journal of Advanced Research in Computer Science, ISSN : 0976-5697, Vol. 4, No. 2, pp. 20-23, Jan-Feb, 2013.
- ‘A Parametric Analysis of Static and Dynamic Load Balancing Algorithms for Performance Improvement of Distributed Systems’, International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCAMS), Volume 2, Issue 6, November, 2013.
- ‘Implementation of Process Forensic for System Calls’, International Journal of Advanced Research in Engineering and Technology (IJARET), Impact Factor 7.8273, ISSN : 0976-6480, Vol. 5, Issue 6, pp. 77-82, June, 2014.
- ‘Big Data Mining in Education Sector : Critical Issues and Current Status in Indian Context’, International Journal of Advanced Research in Computer Science and Software Engineering, www.ijarcsse.com, ISSN : 2277 128X, Volume 5, Issue 4, pp 1007-1011, April, 2015.
- ‘Design of Information Procurement Module for Load Balancing Systems on Linux Clusters’, International Journal of Computer Engineering and Applications, www.ijcea.com, ISSN 2321-3469, Vol. IX, Issue VII, pp 77-84, July 2015.
- ‘Big Data Analytics Model for the Education Sector’, International Journal of Innovative Technology and Exploring Engineering (IJITEE), published by Blue Eyes Intelligence Engineering and Sciences Publication, www.ijitee.org, ISSN : 2278-3075 (Online), Volume 8, Issue 12, pp 1785-1789, The B impact factor : 5.54 for the year 2018, October, 2019.
- ‘A New variant of Flexible Backfilling to Improve System Performance on Computer Clusters’, International Journal of Computer Engineering and Applications, www.ijcea.com ISSN 2321-3469, Volume XV, Issue V, May 2021.
- “Detection of stragglers and optimal rescheduling of slow running tasks in big data environment using LFCSSO-LVQ classifier and enhanced PSO algorithm”, International Journal of Data Analysis Techniques and Strategies, Vol. 14, Issue 1, pp 1-21, ISSN: 1755-8050, eISSN: 1755-8069, Inderscience Publication, March 09, 2022.