Curriculum Vitae



Name: Dr. Nidhi H. Divecha
Designation: Associate Professor
Department: Department of Computer Science, Saurashtra University
E-mail: nidhidivechavalu@gmail.com
nhdivecha@sauuni.ac.in

Career Objective:

To pursue a challenging career in Computer and Information Technology domain that gives me hopes to work with a progressive organization with innovative technology trends.

Professional Summary:

A promising IT Proficient Academician with a 'can do' attitude and extensive experience of **22+** years in the academic field of MCA, M.Sc. IT, PGDCA & BCA Courses.

Qualifications:

Degree	University	Year	Subject
B.Sc.	Saurashtra University	2000	Statistics
M.C.A.	Saurashtra University	2003	Computer Science
Ph. D.	Kadi SarvaVishwavidyalaya	2015	Computer science

Title of the Ph.D. Thesis	Analytical Study and Prototyping Digital Watermarking Techniques for Intellectual Property Protection

Experience:

Institute/Company	Duration	Position/Project
Department of Computer Science, Saurashtra University, Rajkot	Since Oct 2024	As an Associate Professor
Department of Library and Information Science	Since Jun 2025	As an In-charge Head of Department
S.K.P.I.M.C.S. – M.C.A., Kadi SarvaVishwavidyalaya, Gandhinagar	Jun 2009 to Oct 2024	As an Assistant Professor
G. K. & C. K. Bosamia M.Sc. IT College, Jetpur	Jul 2008 to Jun 2009	As a H.O.D.
Department of Computer Science, MCA, Saurashtra University, Rajkot	Jun 2007 to Jun 2008	As a Lecturer
G. K. & C. K. Bosamia B.C.A. & P.G.D.C.A. College, Jetpur	Jan 2004 to May 2007	As A Lecturer
Pentasoft Computer Limited. Rajkot	Jun 2001 to Dec 2001	As A Computer Faculty

List of M. Phil Students:

Sr. No.	Name	Title	Year of Passing	University
1	Hiral D Patel	A Feature Based Semi-Fragile Watermarking Algorithm for Digital Image Authentication	2017	Kadi Sarva Vishwavidyalaya
2	Nahid M Shaikh	Analytical Study of Reversible Data Hiding Techniques Using Digital Watermarking	2017	Kadi Sarva Vishwavidyalaya
3	Padia Rajashree	Analytical Study of Different Transform Domain Based Digital Watermarking Techniques	2018	Kadi Sarva Vishwavidyalaya

List of Ph. D. Students:

Sr. No.	Name	Title	Year of Passing	University
1	Himani P. Gajjar	Privacy Preservation and Performance Enhancement for Storage and Computation of Big Data	2026	Kadi Sarva Vishwavidyalaya
2	Ruchil B. Shah	AIOPS Based Automated Alert Correlation for IT Operation	Pursuing	Kadi Sarva Vishwavidyalaya
3	Sheetal P. Bharodiya	Identification in enhancement of algorithms for big data processing on clinical records	Pursuing	Kadi Sarva Vishwavidyalaya
4	Hiral K. Thakar	AI and ML based model for early prediction of female infertility and reproductive health risks.	Pursuing	Saurashtra University
5	Vinod M. Makwana	A Proactive cyber security approach to detect the fraud of online transaction using machine learning techniques	Pursuing	Saurashtra University

Book Publication:

Title	Year of Publication	Publisher
Database Systems	2009	Books India Publication

Details of Publication:
Google Scholar Link: https://scholar.google.com/citations?user=yG_GRWEAAAAJ&hl=en

Title	Year of Publication	Publisher	ISBN/ISSN	Remarks
Image watermarking algorithm using DCT,DWT and SVD	2012	International Journal of Computer Application	ISBN-978-93-80866-81-3	Cited by 35
Performance evaluation of different color channel of color image watermarking algorithm using DCT-DWT-SVD	2012	International Journal of Computational Intelligence and Communication Technology	ISSN No. 2278-6732	
Robust watermarking scheme for color images	2013	International Journal Of Emerging Technologies and Applications in Engineering, Technology and Science	ISSN 0974-3588	
Implementation and performance analysis of DCT-DWT-SVD based watermarking algorithm for color images	2013	IEEE XPLORE	ISBN-978-1-4799-0316-0	Cited by 53
Reversible Watermarking Technique for Medical Images Using Fixed Point Pixel	2015	IEEE XPLORE	ISBN-978-1-4799-1796-9	Cited by 8
Comparative analysis of RDBMS Watermarking Techniques	2016	International Journal of Advance Research in Science and Engineering	ISSN 2319-8354	
Analytical Study of Reversible Data Hiding Techniques using Digital Watermarking	2016	Journal of Information, Knowledge and Research in Computer Engineering	ISSN 0975-6760	
A Feature based Semi fragile Watermarking Algorithm for Digital Image Authentication	2016	IEEE XPLORE	978-1-4673-9951-7/16	
Comparative Study of Hybrid Transform based Digital Watermarking Technique	2017	International Journal for Scientific Research & Development	ISSN 2321-0613	
A Feature based Semifragile Watermarking Algorithm for Digital Color Image Authentication Using Hybrid Transform	2017	Springer Chapter	Chapter/10.1007/978-981-10-3773-3_44	Cited by 15
Analysis of Data Using Data Mining tool Orange	2017	International Journal Of Engineering Development And Research, 1836-1840	ISSN: 2321-9939 DOI : 10.56975	Cited by 33

Title	Year of Publication	Publisher	ISBN/ISSN	Remarks
Data Science: A Comprehensive Study on Application and Future	2019	International Journal for Scientific Research & Development(1797-1799)	ISSN 2321-0613	
Introduction of Quantum Computing	2019	International Journal for Scientific Research & Development (1845-1847)	ISSN 2321-0614	
Different Techniques for Privacy Preserving in Big Data: Comparative Study	2020	Internation Journal of Creative Research Thoughts	UGC 49023 (18) ISSN 2320-2882 DOI: 10.6084/m9.doi.one.IJCRT2005503	
Efficient And Privacy-Preserving Big Data Storage and Computation: A Mathematical and Hypothesis-Driven Approach	2025	International Journal of Applied Mathematics	Vol. 38 (4s, 2025), 361-375 **DOI:** https://doi.org/10.12732/ijam.v38i4s.240	Q3
Enhancing Big Data Privacy and Performance Through Edge-Integrated Federated Learning: A Comparative Study	2025	International Journal of Applied Mathematics	Vol. 38 (2s, 2025), 325-335 **DOI:** https://doi.org/10.12732/ijam.v38i2s.85	Q3
An Improved Grunwald-Letnikov Fractional Order Differential Operator for Image Enhancement	2025	Springer Nature Link	https://link.springer.com/chapter/10.1007/978-981-97-6794-6_17	Cited by 3

Details of Conference/ Seminar/ Workshop / STTP / Refresher Course:

Name of Institution	Programme	Duration	Whether paper submitted	Category State/National/ International
G. H. Patel College of Engineering and Technology, V.V.Nagar	International Conference on Intelligent Systems and Signal Processing	3 days	Yes	International
Aryabhatta College of Engineering and Research Centre, Ajmer	International Conference on Computer, Communication and Computational Sciences	2 days	Yes	International
MIR LAB, Gwalior	International Conference on Communication Systems and Network Technologies	3 days	Yes	International

Name of Institution	Programme	Duration	Whether paper submitted	Category State/National/ International
THDC Institute of Hydropower Engg and Technology,TehriChandigadh	International Conference on Communication Systems and Network Technologies	3 days	Yes	International
Atmiya Institute of Science and Technology, Rajkot	National Conference on "Ivolving Communication Technologies and Knowledge Management"	1 day	Yes	National
G. H. Patel Post Graduate Department of Computer Science and Technology, V.V.Nagar	National Seminar on "Current Trends in ICT"	1 day	Yes	National
S. K. Patel Institute of Management and Computer Studies, Gandhinagar	National Symposium on "INDIAN IT@CROXROADS"	2 days	Yes	National
S. B. Jain Institute of Technology, Management & Research, Nagpur	National Conference on "Innovative Paradigms in Engineering and Technology"	1 day	Yes	National
Bhabha National Research Academy & Sheth C. L. Commerece College, Ahmedabad	National conference on "Innovative Practices in Higher Education and digital India As Changing Paradigm"	1 day	Yes	National
S. K. Patel Institute of Management and Computer Studies, Gandhinagar	Author Workshop National Live WebEx by Keith Lambert	1 day	No	National
G. H. Patel College of Engineering and Technology, V.V.Nagar	Workshop on Securing Virtual cloud Image and Video Exploration Techniques PowerLine Communication	1 day	No	National
Department of Computer Science,SU, Rajkot	International conference on Emerging Technologies and Applications in Engineering, Technology and Sciences	2 days	No	International
Kadi sarvaVishwavidyalaya, Gandhinagar	GTEP-International Faculty Development Program	3 days	No	International

Name of Institution	Programme	Duration	Whether paper submitted	Category State/National/ International
S. K. Patel Institute of Management and Computer Studies, Gandhinagar	National workshop on "Digital Signal Processing and its Applications"	2 days	No	National
S V institute of Computer Studies, Kadi	Workshop on Applications of MATLAB in Mathematical science	2 days	No	State
Department of Computer Science, VNSGU,Surat	National seminar on "Natural Language Processing and Data Mining"	2 days	Yes	National

Invited lectures/Resource Person:

Sr. No.	Name of Organization	Title/Subject	Date	Venue
1	Knowledge Consortium of Gujarat	Computer Lecture Series	12 March 2012	BISAG, Ganghinagar
2	S. V. D. Ed English Medium College	Multimedia Production and Presentation	11 to 21 March 2013	S. V. D.Ed English Medium College
3	Knowledge Consortium of Gujarat	IT Skills	15 September 2015	Government Commerce College, Gandhinagar
4	Kendriya Vidyalaya Sangathan (Ahmedabad Region)	Training Programme on Python for TGTs (Computer Science)	29&30 April 2019	C.R.P.F. Kendriya Vidyalaya, Gandhinagar

Personal Details:

1 Name : Nidhi Hemantbhai Divecha
2 Designation : Associate Professor
3 Gender : Female
4 Religion : Hindu
5 Nationality : Indian
6 Work Place : Department of Computer Science,
Saurashtra University,
Rajkot-360005
(0281) 2585232, 2587340
7 Language Known : English, Gujarati, Hindi