

Curriculum Vitae



Name	:	Dr. Vinod L Desai
Date of Birth	:	05/08/1980
Address (Residential)	:	Department of Computer Science, Gujarat Vidyapith, Ahmedabad- 380014, India.
Current Position	:	Assistant Professor
Email	:	vinod@gujaratvidyapith.org

Academic Qualifications

Exam passed	Board/University	Subjects	Year	Division/ Grade/ Merit.
Ph.D.	Bhavnagar University	Computer	2009	Awarded
M.C.A	Gujarat Vidyapith, Ahmedabad	Computer Science	2004	65%
B.B.A	HNGU, Patan	Mathematics	2000	64%

Contribution to Teaching

Courses Taught	Name of University /College Institution	Duration
MCA	Gujarat Vidyapith, Ahmedabad	Since Aug 2017
B.Sc Computer Sci.	Government Science College, Chikhli	2013-2017
MCA	NICSM (MCA), Kadi	2005-2013
BCA & PGDCA	BKAPKM, Palanpur	2004-2005

Area of Specialization

- Java & Management Information System

Area of Interest

- Cloud Computing, Big Data

Research Guidance

- No. of Students Pursuing Ph.D. : 2
- M. Phil. Degree awarded : 1
- Ph.D Degree awarded : 2
- Dissertation at MCA level in last 5 years: 20 students

Book Publications

1	Database Management System	Benison Publication	2016
Book Edited			
1	Edited the proceedings of the National Conference on Advanced Data Computing, Communication and Security as Editor published by S V Institute of Computer Studies, Kadi. (ISBN - 978-81-905385-03).		

Papers Published in Journals

1. Paper titled “Planning and Implementation of Knowledge Grid in Indian Context” was published in National Journal of System and Information Technology published by Gopal Vidyanagar, Bardoli. ISSN Number 0974-3308 Volume 2 June 2009.
2. Paper titled “Security Issues in On-Demand Grid Computing” was published in National Journal of Computer Science & Technology published by S V Institute of Computer Studies, Kadi. ISSN Number 0975-2463 Volume 1 Issue 1 January-June 2009.
3. Paper titled “Analytical Study for Applicability of Cloud Computing in Indian Environment” was published in International Journal of Data Modeling and Knowledge Management. Published by Mind Reader Publication, New Delhi. ISSN Number 2249-0507 Volume 1 July Dec 2011.
4. Paper titled “Scope and Challenges in Grid Computing with Geographic Information System” was published in National Journal of SCI-TECH Research, published by Kadi Sarva Vishwavidyalaya – JSTR,Gandhinagar. ISSN Number 0974-9780 Volume III, Issue II July-Dec 2012.
5. Paper titled “Relevance of Sensor Grid in Health Sector in India” was published

in National Journal of SCI-TECH Research, published by Kadi Sarva Vishwavidyalaya – JSTR, Gandhinagar. ISSN Number 0974-9780 Volume IV, Issue II July-Dec 2013.

- 6 Paper titled “Hadoop Map Reduce Performance Evaluation and Improvement Using Compression Algorithms on Single Cluster” was published in International Journal on Recent and Innovation Trends in Computing and Communication, published by A Unit of Auricle Technologies Pvt. Ltd. ISSN Number ISSN: 2321-8169 Volume 2, Issue 9 Sept 2014. Scientific Journal Impact Factor: 5.098
- 7 Paper titled “Applications and Future Insight of Swarm Intelligence Based Optimization Algorithms” was published in International Journal of Advance Engineering and Research Development (IJAERD) ETCEE-2014 Issue, March 2014, e-ISSN: 2348 - 4470 , print-ISSN:2348-6406.
- 8 Paper titled “Performance Analysis of Hadoop Distributed File System on Multi Node Cluster Environment” was published in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.41 (2015) by © Research India Publications.
- 9 Paper titled “Apache Hadoop Yarn Parameter configuration Challenges and Optimization” was published in IEEE Explore Journal February 2015. Print ISBN: 978-1-4799-1752-5, INSPEC Accession Number: 15508897 Published by IEEE.
- 10 Paper titled “Apache Hadoop Map reduce job classification based on CPU Utilization and Performance Evaluation on Multicluster Heterogenous Environment” was published in Springer Proceeding of International Conference on ICT for sustainable development (ICT4SD 2015) volume 2 having ISBN 978-981-10-0133-8 and ISSN 2194-5357.
- 11 Paper titled “Customized Parameter Configuration Framework for Performance Tuning in Apache Hadoop” was published in Springer Proceeding of International Conference on ICT for sustainable development (ICT4SD 2015) volume 1 having ISBN 978-981-10-0133-8 and ISSN 2194-5357.
- 12 Paper titled “Computational Performance Analysis of Ant Colony Optimization

Algorithms for Travelling Sales Person Problem” was published in Springer Proceeding of International Conference on ICT for sustainable development (ICT4SD 2015) volume 2 having ISBN 978-981-10-0133-8 and ISSN 2194-5357.

- 13 Paper titled “Implementation of Improved Swarm Intelligence Technique for NP Complete Problems” was published in Proceedings of RK University’s First International Conference on Research & Entrepreneurship (ICRE 2016) during Jan. 5th - 6th, 2016.
- 14 Paper titled “Prospects of swarm intelligence based optimization algorithm in prediction of diseases” was published in international journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-ETA-ETS) ISSN: 0974-3588 during JAN 2016 in Volume 9 Issue 1. Impact Factor: 2.1708.
- 15 Paper titled “Apache Hadoop Yarn Performance Analysis and Tuning through guided Configuration Parameter Setting on Single Cluster” was published in Research Hub-International Multidisciplinary Research Journal (RHIMRJ) e-ISSN 2349–7637 Volume 3 Issue 5 May 2016.
- 16 Paper titled “Opportunity and Implementation of Cloud Computing in Indian Health Sector” is published in International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, PP: 333 - 338 July 16 Volume 4 Issue 7.
- 17 Paper titled “Performance Evaluation: Analyzing parameter tuning for Halftone secure with Error Diffusion techniques for Visual Cryptography” is published in International Journal of Advanced and Innovative Research (2278-7844) / # 1 / Volume 6 Issue 5, May 2017. Available online at: <http://ijair.jctjournals.com>.

Ph.D. Evaluation

1. “A New Control Mechanism for Identity Management on the Internet, Mody University, Rajasthan, India.

Research Paper Presented / Published At National / International Seminar / Conferences

1. I have presented a paper on “Trust Based Security Issues in Grid and Cluster

Computing” in GLOBALIZATION: Opportunities & Challenges (2nd International Conference on Management) at IBS-Ahmedabad (IBSA.ICON07) during 27-29 December, 2007.

2. I have presented a paper on “Study and Taxonomy of Grid Resource Management” in XXII Gujarat Science Congress (Role of Communication and IT in the Development of Science and Technology) at Bhavnagar University, Bhavnagar and Gujarat Science Academy, Ahmedabad held on 9th March, 2008.
3. I have presented a research paper on “Advanced Security in Grid Environment” in National Conference-09 on Managing Technology for organizational Excellence at Swami Vivekanand Group of Institutes (SVIET), Patiala-Punjab held on 23rd Jan 2009.
4. I have presented a research paper on “Fog Computing: A paradigm shift to outspread the Cloud Computing” in National Seminar on Recent trends in Science and Technology at SSR College of Arts, Commerce and Science, Silvasa, Union Territory, funded by Savitribai Phule Pune University held on 23rd & 24th Dec 2016.

Seminars / Workshops / Training Camps Organized

1. I have coordinated ENVISION-2007, A National Conference on Advanced Data Computing, Communication & Security during 15-16 July 2007 Sponsored by AICTE, New Delhi organized By S V Institute of Computer Studies, MCA Programme, Kadi.
2. I have coordinated Faculty Development Program on Application of MATLAB in Mathematical Sciences during 2nd -3rd January 2010 Sponsored by UGC, New Delhi Jointly Organized by Pramukh Swami Science & H D Patel Arts College and S V Institute of Computer Studies, Kadi.
3. I have coordinated Faculty Development Program on “Advanced Java Technology” during 28-29 January 2011 organized by S V Institute of Computer Studies, MCA Programme, Kadi in association with Gujarat Technological University and CSI, Ahmedabad Chapter.
4. I have coordinated a one day Seminar on “Career Orientation and Advanced Sciences” on 28th February 2015 organized by Govt. Science College, Chikhli.

5. I have coordinated a State Level Workshop on “Use of Social Media in Higher Education and Research” on 15th March 2015 organized by Government Science College, Chikhli in Association with GUJCOST, Gandhinagar.
6. I have coordinated a Three Day Workshop on “Research Proposal Writing” Jointly Organized by Higher Education District – Navsari and Knowledge Consortium of Gujarat (KCG), Ahmedabad during 9th July to 11th July 2015 at Government Science College, Chikhli.

Lectures Delivered (National/ Local level Programmes)

1. I have delivered a Guest Lecture on “*E-Governance*” at S V Institute of Management (MBA Program), Kadi on 8th February 2010.
2. I have served as a Visiting Lecturer at S V Institute of Management (MBA Programme) during 2009-2011.
3. I have delivered an Expert Lecture on “*Servlet & JSP*” at VJKM Institute of Management & Computer Studies (MCA College), Vadu (Kalol) on 2nd April 2012.
4. I have delivered an Expert Lecture on “*Struts Framework*” at VJKM Institute of Management & Computer Studies (MCA College), Vadu (Kalol) on 15th May 2012.
5. I have delivered an Expert Lecture on “*Basics of Java and its Application*” at Matrushi L.J. Gandhi (Bakorvala) B.C.A. College, Modasa on 12th October 2013.
6. I have delivered a Guest Lecture on “*E-Commerce & Electronic Data Interchange*” at NIFT, Gandhinagar during February 2014.
7. I have served as a Resource Person in Three Day Workshop on “Research Proposal Writing” Jointly Organized by Higher Education District – Navsari and Knowledge Consortium of Gujarat (KCG), Ahmedabad during 9th July to 11th July 2015 at Government Science College, Chikhli.
8. I have served as a Resource Person in Three Day Workshop on “Research Proposal Writing” Jointly Organized by Higher Education District – Navsari and Knowledge Consortium of Gujarat (KCG), Ahmedabad during 22nd June to 24th June 2016 at Government Science College, Chikhli.
9. I have delivered an Expert Lecture on “*ICT in Education*” at INSB sanchalit B.C.A. College, Idar on 11th January 2018.
10. I have delivered an Expert Lecture on “*Mobile Computing*” at Government

Science College, Chikhli on 29th January 2018.

11. I have delivered an Expert Lecture on “*Fundamentals of Computer*” at Secondary Teachers Training College, Visnagar on 14th February 2018.

12. I have delivered an Expert Lecture on “*Cloud Computing*” at Smt. K.B. Parekh College of Computer Studies, Mahuva on 23rd February 2018.

FDP / QIP / WORKSHOP / REFRESHER COURSE / OP ATTENDED

1. I have attended a Refresher Course on “Automated Software Development” at Thapar Institute of Engineering & Technology, Patiala, Punjab Sponsored by UGC during 4-23, December, 2006.
2. I have attended a Workshop on “.Net Technology” Sponsored by Microsoft at AES Institute of Computer studies, Ahmedabad during 17-19 November, 2006.
3. I have attended a Workshop Sponsored by TEQIP on “Object Oriented Analysis Design& Implementation” at Dharmsinh Desai Institute of Engineering and Technology, Nadiad during 5-10 March, 2007.
4. I have attended a Three Day Workshop on “IBM TIVOLI” at S V Institute of Computer Studies, Kadi during 5-7 April, 2007.
5. I have attended a one day technical workshop on “Mobile Application Development” using J2ME at EC/IT Department, Shantilal Shah Engineering College at Bhavnagar university during 14th September 2007.
6. I have attended a one Day Symposium on “NetBeans”, A Joint Event of IEEE and Sun Microsystems at Computer Science Dept., Institute of Science and Technology for Advance Studies and Research, Vallabh Vidya Nagar, Gujarat held on 17th September 2008.
7. I have attended “ICT4U”- Annual National Convention at Ahmedabad organized by Computer Society of India, Ahmedabad Chapter, Gujarat during 1-3 December 2011.
8. I have attended a State Level Workshop on “*Effective Teaching*” Sponsored by University Grant Commission(UGC) at Department of Computer Science, Mahadev Desai Samajseva Mahavidyalaya, Gujarat Vidyapith, Ahmedabad during 18-19 March, 2012.

9. I have attended a Quality Improvement Programme on “*Effective Teaching*” Sponsored by University Grant Commission(UGC) Jointly Organized by Pramukh Swami Science & H D Patel Arts College, S V Institute of Computer Studies, Kadi during 8-9 November, 2012.
- 10 I have attended a Seminar on “*Quality in Higher Education and UGC Schemes XIIth Plan Guidelines*” Organized by Veer Narmad South Gujarat University Area College Principal’s Association and Navyug Science College, Surat on 19th July, 2014.
- 11 I have attended a FDP on “*Digital Image Processing*” Organized by SRIMCA, UTU, Bardoli from 21st February 2015 to 22nd February 2015.
- 12 I have attended a FDP in “*Science*” jointly organized by KCG, Ahmedabad and Govt. Science College, Chikhli at KCG, Ahmedabad from 26th October 2015 to 28th October 2015.
- 13 I have attended a FDP organized by KCG, Ahmedabad at KCG, Ahmedabad from 2nd May to 7th May 2016.
- 14 I have attended an Orientation Program at UGC HRDC Centre, S.P. University, Vallabh Vidyanagar sponsored by UGC during 6th February to 5th March, 2017.
- 15 I have attended a GUJCOST sponsored “National Workshop on Geospatial Technology for Rural Planning & Development” organized by Department of Computer Science & Department of Rural Management, Gujarat Vidyapith in association with Spacetech Consultants (Group of Former ISRO Scientists) from 28th August to 1st September 2017.