

Dr. Vinod L Desai

Associate Professor

Name : Dr. Vinod L Desai
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Summary of Scholastic and Research Activities:

- Working as a faculty member in the Post Graduate Department of Computer Science since August 2022 as an Associate Professor. Formerly worked at Gujarat Vidyapith, Ahmedabad, Government Science College, Chikhli-Navsari Kadi Vishwavidyalaya University-Gandhinagar.
- Guided 5 Ph.D. (Computer Science) student and 1 M.Phil (Computer Science) student
- Expert Member of RPC (Research Progress Committee) / Member of DPC (Doctoral Progress Committee) at Sakalchand Patel University (Visnagar), Ganpat University (Mahesana).
- 34 research publications including 5 National books, 1 Regional level books, 25 International / National journal papers, 1 International Conferences, 2 National Conferences / Seminars.
- Translated 08 lessons of “Programming in Java” subject in Gujarati Language Initiated by SWAYAM and AICTE.
- 33 training programs including FDP / QIP / WORKSHOP / REFRESHER COURSE / OP Attended

Five Keywords Reflecting Areas of Scholastic/Research Activities:

Big Data, Cloud Computing, NOSQL Databases and MIS

Recent Publications:

Books:

1. Object Oriented Concepts and Programming Using Java- PGDMAD-102, Dr. Babasaheb Ambedkar Open University ,2019 (ISBN- 978-81-940577-1-0)
2. Software Lab for Introduction to Java- PGDMAD-104, Dr. Babasaheb Ambedkar

- Open University, 2019 (ISBN- 978-81-940577-3-4)
3. Object Oriented Concepts and Programming – II (Advance Java) – BCAR-304, Dr. Babasaheb Ambedkar Open University, 2021 (ISBN- 978-93-91071-09-7)
 4. Relational Database Management System-MS-CIT-102, Dr. Babasaheb Ambedkar Open University, 2021 (ISBN- 978- 81- 942146- 1-8)
 5. “ડેટા વિજ્યુઅલાઇઝેશન ડેશબોર્ડની રચના અને નિર્માણ” September-2022 by Gujarat Vidyapith. ISBN: 978-93-85091-55-1

Research Papers:

- 1 “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.
- 2 “Performance Evaluation: Analysing 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.
- 3 “Apache Hadoop Performance Tuning through Customization of Data Block Size Parameter Configuration Setting” is published in International Journal of Research and Analytical Reviews (e ISSN 2348 –1269, Print ISSN 2349-5138) / VOLUME 5 - ISSUE 3 - JULY – SEPT 2018.
- 4 “An Improved Approach in Visual Cryptography Using Error Diffusion Technique” is published in International Journal of Computational Engineering Research (IJCER), e ISSN: 2250 – 3005, Volume-08, Issue 8, August – 2018.
- 5 “Design and Implementation Issues in Ant Colony Optimization” is published in International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 16 (2018) pp. 12877-12882.
- 6 “Secure Biometric Authentication using Visual Cryptography in Banking Sector” is published in ICRCST: Kala Sarovar (UGC Care Group-1 Journal) ISSN 0975-4520 Vol-23 No.03, Nov-Dec-2020.
- 7 “Malware Detection Framework using PCA based ANN” is published in Springer Nature Singapore Pte Ltd. 2020, COMS2 2020, CCIS 1235, pp. 298–313, 2020. https://doi.org/10.1007/978-981-15-6648-6_24.
- 8 “Error Diffusion with Varying Threshold Halftoning for Enhancing Quality of Images” is published in International Journal of Multidisciplinary Educational Research (IJMER) ISSN 2277-7881 Volume 10, issue 1(3), January 2021.