

**Name** : Dr. Vinod L Desai  
**Designation** : Associate Professor  
**Qualification** : Ph.D., MCA  
**Address** : P. G. Department of Computer Science & Technology, Sardar Patel University, Vallabh Vidyanagar- 388120, Anand, Gujarat, India  
**Contact** : 02692-230389 ext. 221  
**Mobile** : 9428045182  
**E-mail** : vinoddesai123@gmail.com, vinoddesai@spuvvn.edu  
**Vidwan Profile** : <https://spuvvn.irins.org/profile/291052>  
**Expertise** : Cloud Computing, Java



### **Summary of Scholastic and Research Activities:**

- Total **20** years of Academic experience
- Working as a faculty member in the Post Graduate Department of Computer Science since August 2022 as an Associate Professor.
- Previously worked at Gujarat Vidyapith, Ahmedabad, Government Science College, Chikhli - Navsari, Kadi Vishwavidyalaya University - Gandhinagar and BKAPKM sanchalit BCA & PGDCA college at Palanpur.
- Guided **5** Ph.D. (Computer Science) and **1** M.Phil (Computer Science) student
- Currently guiding **2** Ph.D. (Computer Science) student
- Delivered more than **15** expert lectures on various aspects of Computer science.
- Expert Member of RPC (Research Progress Committee) / Member of DPC (Doctoral Progress Committee) at Sakalchand Patel University (Visnagar), Ganpat University (Mahesana).
- More than **45** research papers have been published in International / National journals and conferences proceedings.
- Total **06** books have been published in the area of DBMS, Core Java, Advanced Java, RDBMS and Data Visualization.
- Translated **08** lessons of “Programming in Java” subject in Gujarati Language Initiated by SWAYAM and AICTE.
- Developed a **MOOC** on Object Oriented Concepts and Programming (Advanced Java) for the course of BCA at Dr. Babasaheb Ambedkar Open University.
- Developed a **MOOC** on Internet and Web Designing for the course of MCA-103 at Dr. Babasaheb Ambedkar Open University.
- Attended more than **30** training programs including FDP / WORKSHOP / RC/ OP
  - Coordinated Total **06** programs including Conferences, Faculty Development Programs and Workshops at state and National level.

### **Book Publications:**

- 1 Database Management System, 2016 ISBN: 978-81-88894-48-6 By Benison Education
- 2 Object Oriented Concepts and Programming Using Java- PGDMAD-102, Dr. Babasaheb Ambedkar Open University, 2019 (ISBN- 978-81-940577-1-0)
- 3 Software Lab for Introduction to Java- PGDMAD-104, Dr. Babasaheb Ambedkar Open University, 2019

(ISBN- 978-81-940577-3-4)

- 4 Object Oriented Concepts and Programming – II (Advance Java) – BCAR-304, Dr. Babasaheb Ambedkar Open University, 2021 (ISBN- 978-93-91071-09-7)
- 5 Relational Database Management System-MS-CIT-102, Dr. Babasaheb Ambedkar Open University, 2021 (ISBN- 978- 81- 942146- 1-8)
- 6 “ડેટા વિજ્યુઅલાઇઝેશન ડેશબોર્ડની રચના અને નિર્માણ” September-2022 by Gujarat Vidyapith, ISBN: 978-93-85091-55-1.
- 7 Advanced Java – Bachelor of Science (Information Technology) B.ScIT - 501, Dr. Babasaheb Ambedkar Open University, 2023. ISBN- 978-81-965351-8-6.

#### **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).

#### **Book Translation**

- 1 Translated 08 lessons of “Programming in Java” subject in Gujarati Language Initiated by SWAYAM and AICTE.

#### **Recent Research Papers:**

1. “Simulating Cloud Computing: Performance analysis with Single and Two Virtual Machines” is published in Third Concept, An International Journal of Ideas. ISSN No. 0970-7247 Volume 38, No 446, April-2024.
2. “Real-Time Data Analysis to make Research and Teaching Effective with a Dynamic Visual Dashboard” is published in Indian Journal of Technical Education by ISTE. Volume 47, No 3. ISSN: 0971-3034 July-September 2024.
3. Experimental Study for Performance Measurement of Space-Shared and Time-Shared Scheduling Algorithm with Virtual Machine and Varying Length Jobs using CloudSim” is published in Journal of Electrical Systems (JES). Scopus Indexed. Vol. 20 No. 10s (2024) ISSN: 1112-5209. Nov-2024.
4. Enhancing real-time object detection and recognizing immediate changes in object size - a review of advances in computer vision model” is published in IET Conference Proceedings CP920 published by The Institution of Engineering and Technology. Volume 2025, Issue 7 May-2025. DOI: <https://doi.org/10.1049/icp.2025.1276>

#### **Keywords Reflecting Areas of Scholastic/Research Activities:**

Big Data, Cloud Computing, NOSQL Databases and Machine Learning