

Dr. Rupal Bhatt
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Areas of Interest

Theoretical : Computer Networking, Data Analysis, Distributed Computing, Software Engineering, Digital Electronics, etc.

Languages: Python, Java,C, C++, Java Script

Seminars:

- FDP on “**NEP 2020 Orientation & Sensitization Programme**” the under Malaviya Mission Teacher Training Programme (MM-TTP) of UGC organized by the Central University of Gujarat from 19th February 2024 to 1st March 2024.
- Online webinar on “**21st Century Education Understanding & Implementation of NEP**” organized by Department of Education, Government of Gujarat Knowledge Consortium of Gujarat on 13th June, 2024.
- FDP on “**GenAI & Chat GPT Application in the Industry**” organized by Department of MBA and Research Centre, SJC Institute of Technology , Chikkaballapur in collaboration with ExcelR Edtech Pvt. Ltd. Form January 27 – 31, 2025
- Course on “**Applied Data Science with Python, Artificial Intelligence and Data Handling GenAI & Chat GPT Application in the Industry**” organized by Department of Research & Publication, A2Z EduLearning Hub Pvt.Ltd., Form May 5-7, 2025.

Publication

- “**Nonmigratory Process Allocation algorithm for Load Balancing on Linux Clusters**”, by Ms. Rupal Bhatt and Dr. D.B. Choksi, International Journal of Computer Science and Systems- NJCSS, ISSN NO-2249-8222, Volume-2, Issue-2, Jan-June 2012.
- “**A Comparative Evaluation of Remote Administration Tools**”, by Ms. Rupal Bhatt and Dr. D.B. Choksi, International Journal of Advanced Research in Computer Science- IJARCS. ISSN-0976-5697, Bimonthly journal – IJARCS, Volume-4, No-4, March-April-2013. Impact factor 6.82 (2013)
- “**A Parametric Analysis of Static and Dynamic Load Balancing Algorithms for Performance Improvement of Distributed Systems**”, by Ms. Rupal Bhatt and Dr. D.B. Choksi, International Journal of Scientific Research in Computer Science Applications and

Management Studies- IJSRCSAMS, ISSN-2319-1953 , Volume-2, Issue-6, NOVEMBER-2013. Impact factor 0.342.

- **“A Comparative Study of Simulation Tools for Distributed Environment”** by Ms. Rupal Bhatt and Dr. D.B. Choksi, International Journal of Engineering Research & Management”, ISSN : 2349- 2058, Volume 1, Issue 7, October 2014, Paper ID - IJERM0110049, Thomson Reuters, Impact factor 4.7.
- **“Load - Balancing Mechanism for Linux Clusters in Distributed Environment”**, UGC sponsored National conference on "Latest Development in Basic and Applied Science" by Rupal Bhatt at M B Patel Science College on January 10, 2015.
- **“Simulation Models and Tools for Grid and Cluster Architecture in Distributed Environment”**, by Ms. Rupal Bhatt and Dr. D.B. Choksi, National seminar on “IT futura 2015” organized by Anand Institute of Information Science, Anand in association with CSI, V.V.Nagar on March 21, 2015.
- **“Design of Information Procurement Module for Load Balancing System on Linux Clusters”**, by Ms. Rupal Bhatt and Dr. D.B. Choksi, IJCEA-International Journal of Computer Engineering and Applications, Volume IX, Issue VII, ISSN 2321-3469, July 2015. Thomson Reuters, Impact factor 3.715.
- **“A New Variant of Flexible Backfilling to Improve System Performance on Computer Clusters”**, by Dr. Rupal Bhatt and Dr. D.B. Choksi, International Journal of Computer Engineering and Applications, Volume XV, Issue V, May 2021, Thomson Reuters, Impact factor 6.126.
- **“State Wise Data Analysis and Data Visualization of Covid 19 Cases in India Using R Programming Language”**, by Dr. Rupal Bhatt and Dr. Paruj Raj, International Journal of Computer Engineering and Applications, Volume XV, Issue VI, June 2021, www.ijcea.com ISSN 2321-3469. Thomson Reuters, Impact factor 6.126.