Name of Faculty	Dr. Niteshkumar Maganlal Sureja
Designation	Professor
Email id	niteshsureja.ce@bitseducampus.ac.in
Contact number	0265-2303991 Ext: --
Total Experience **Teaching** **Industry**	25 Years 3 Months Teaching- 21 Y 1 M Industry- 4 Y 2 M

Professional Summary

- Working as a Professor in Computer Science and Engineering Department at Babaria Institute of Technology, BITS Edu Campus, Varnama, Vadodara.
- Worked as Director/Principal at OM Engineering College – Junagadh from 09th May, 2017 to 30th July, 2020.
- Worked as Principal at N R Vekaria Institute of Technology – Junagadh since 16th January, 2016 to 8th May, 2017.
- Worked as Incharge Principal and HOD of Department of Computer Engineering from 9ty July, 2013 to 15th January, 2016 at C U Shah Technical Institute of Diploma Studies, C U Shah University, Wadhwan City.
- Worked as an Associate Professor in Department of Computer Engineering, G H Patel College of Engg. & Tech., Vallabh Vidyanagar from 01stJuly, 2010 to 8th July, 2013.
- Worked as Assistant Professor in Computer Engineering Department, G H Patel college of Engineering& Technology, VV Nagar from 25thAug. 2005 to 30thJune, 2010
- Worked as Lecturer in Computer Engineering Department, Sankalchand Patel College of Engineering, Visnagar from 24th July 2000 to 24th August, 2005
- Worked as Lecturer in Computer Engineering Department, C U Shah College of Engineering & Technology, Wadhwan City from 17th August, 1999 to 23th July, 2000
- Worked as Faculty and Hardware Engineer at Raj InfoTech, Bhavnagar from 1st June 1995 to 15th August, 1999
- Member of ISTE Student Chapter Committee at G H Patel College of Engineering& Tech (GCET), V. V. Nagar.
- Member of ISTE Staff Chapter Committee at G H Patel College of Engineering& Tech (GCET), V. V. Nagar.
- Member of IEEE Student Chapter Committee at G H Patel College of Engineering& Tech (GCET), V. V. Nagar.
- Member of Research and Development Committee at G H Patel College of Engineering& Tech (GCET), V. V. Nagar.
- Member of Personality Development Program Committee at G H Patel College of Engineering& Tech (GCET), V. V. Nagar.
- Life Member of ISTE, LM 35083
- Member of IEANG, 102689
- Member of Board of Studies, Computer Engineering, HNG University, Patan for more than two years
- Member of Board of Studies, Computer Engineering, S P University, Vallabh Vidyanagar
- Member of Board of Studies, Computer Engineering, C U Shah University, Wadhwancity for more than two years
- Member of Academic Council, C U Shah University, Wadhwancity for more than two years
- Member of Student Grievance Cell, C U Shah University, Wadhwancity for more

than two years
- Member of Faculty Grievance Cell, C U Shah University, Wadhwancity for more than two years
- Member of Expert Committee, Computer Science, HNG University, Patan for more than two years
- Member of review committee of International journal of computer science & Issues.
- Member of review committee of International journal of Ubiquitous Computing and Communication

Current Activities	- Working as a Professor in Computer Science and Engineering Department, Babaria Institute of Technology, Vadodara - Research Guide at Rai University
Specialization Areas	- Nature Inspired Algorithms - Optimization Algorithms - Artificial Intelligence - Operating Systems

Subject Taught (UG/PG)

UG Level
- Computer Programming and Utilization
- Computer Peripherals
- Computer Architecture and Organizations
- Operating Systems
- Software Engineering
- Business Information Systems
- Management Information Systems
- Management I
- Management II
- Computer Applications in Business
- Computer Networks
- Seminar
- Database Management Systems
- Project

PG Level
- Dissertation Work

Qualifications
- Ph.D (Computer Science & Engineering) (2026), NIMS University, Jaipur.
- M.E.(Computer Engineering) (2009), Sardar Patel University, Vallabh Vidyanagar.
- B.E. (Computer Science & Engineering) (1995), Amravati University, Amravati.
- Diploma (Computer Technology) (1992), Bombay Technical Board

Skills Optimization Algorithms, ICT tools

Achievements
- Awarded a certificate for Successfully organizing national level counsel of ISTE.
- Best Paper Award for the research paper: "Nature inspired algorithms for test suite optimization for regression testing: an investigation" in International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR) ISSN (P): 2249-6831; ISSN (E): 2249-7943 Impact Factor(JCC) : 8.9034; Index Copernicus Value (ICV) : 60.28; NAAS Rating: 3.76;) Vol. 8, Issue 2, Jun 2018, 61-68.

Research Project	NIL

Publications <u>**International Journal Papers**</u>

1. Nitesh M Sureja, "Solving Random Travelling Salesman Problem using Firefly Algorithm", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-4, February 2020[SCOPUS].

2. Dr. Nitesh M Sureja and Dr. Sanjay P Patel, "An Improved Particle Swarm Optimization Algorithm For A Variant of TSP", SSRG International Journal of Computer Science and Engineering (SSRG-IJCSE) – Volume 7 Issue 5 – May 2020 ISSN: 2348 – 8387.

3. Dr. Nitesh M Sureja and Dr. Sanjay P Patel, "Solving A Combinatorial Optimization Problem Using Artificial Fish Swarm Algorithm", International Journal of Engineering Trends and Technology (IJETT) – Volume 68 Issue 5 - May 2020 [SCOPUS].

4. Dr. Nitesh M Sureja,"A Fast Bee Colony Algorithm to Solve NP-Hard Problems", In Test engineering & Management", The Mattingley Publishing Co., Inc., May-June 2020 ISSN: 0193-4120 Page No. 546 – 553[SCOPUS].

5. Chetan J. Shingadiya, Nitesh M. Sureja, "Nature inspired algorithms for test suite optimization for regression testing: an investigation" in International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR) ISSN (P): 2249-6831; ISSN (E): 2249-7943 Impact Factor(JCC) : 8.9034; Index Copernicus Value (ICV) : 60.28; NAAS Rating: 3.76;) Vol. 8, Issue 2, Jun 2018, 61-68.

6. Hemant Patel, Nitesh M. Sureja, "Multisite software development with ontology: a review", in International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR) ISSN (P): 2249-6831; ISSN (E): 2249-7943 Impact Factor(JCC) : 8.9034; Index Copernicus Value (ICV) : 60.28; NAAS Rating: 3.76;) Vol. 8, Issue 2, Jun 2018, 31-36.

7. Nitesh M. Sureja, Ved Vyas Dwivedi and Dr. Sanjeev Kumar, "MASA-DTSP: An Improved Model for Dynamic Traveling Salesman (DTSP) problem" :in CiiT International Journal of Artificial Intelligent Systems and Machine Learning, Vol 7, No 08, August – September 2015.

8. Nitesh M. Sureja, Ved Vyas Dwivedi and Dr. Sanjeev Kumar, "EAS-DTSP: An Improved Ant System Model for Dynamic Traveling Salesman (DTSP) Problem": in CiiT International Journal of Artificial Intelligent Systems and Machine Learning, Vol 7, Issue 9, October – November 2015.

9. Nitesh M. Sureja, Ved Vyas Dwivedi and Dr. Sanjeev Kumar, "CS-DTSP: A Model for Dynamic Traveling Salesman (DTSP) Problem" in CiiT International Journal of Artificial Intelligent Systems and Machine Learning, Vol 8, Issue 2, February 2016.

10. Nitesh M Sureja and Bharat V Chawda, "Memetic Algorithm A Metaheuristic Approach To Solve RTSP", International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR) ISSN 2249-6831, Vol. 3, Issue 2, Jun 2013, 183-186

11. Nitesh M. Sureja, Ved Vyas Dwivedi, "Nature Inspired Algorithms based on Travelling Salesman Problem: An Investigation":in Inventi Impact: Artificial Intelligence, 2012(3):126-130, 2012.

12. Nitesh M. Sureja, Ved Vyas Dwivedi, "A Nature Inspired Approach to Solve Dynamic Traveling Salesman Problem": in CiiT International Journal of Artificial Intelligent Systems and Machine Learning, Vol 4, No 6, June 2012.

13. Nitesh M. Sureja, Ved Vyas Dwivedi, "Genetic Algorithms for DTSP: A Study of Different Mutation Rates": in Journal of Computer Technology & Applications, Volume 3, Issue 3, December 2012, Pages 21-27.

14. Nilesh C Thakkar and Nitesh M Sureja, "High Performance Computing: A Survey", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume 1, Issue 9, November 2012

15. Nitesh M Sureja, "New Inspirations in Nature: A Survey", International Journal of Computer Applications & Information Technology, Vol. I, Issue III, October 2012

16. Bharat V Chawda and Nitesh M. Sureja, "An ACO Approach to Solve a Variant of TSP", International Journal of Advanced Research in Computer Engineering & Technology, Volume 1, Issue 5, July 2012

17. Nitesh M Sureja and Bharat V Chawda, "Random Traveling Salesman Problem Using SA", International journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, volume 2, Issue 4, April 2012.

18. Nitesh Sureja and Bharat V Chawda, "Random Traveling Salesman Problem using Genetic Algorithms", IFRSAs' International Journal of Computing, Vol2, Issue 2, April 2012.

19. Nitesh Sureja and Prashant Swadas " A Genetic approach to solve a variant of Dynamic TSP" National level conference on emerging trends in Information Communication Technologies 2009 at CCET – Wadhwan city, Gujarat

20. Archana Desai and Nitesh Sureja, " A Particle Swarm Optimizer to solve a variant of Dynamic TSP" EPWIE 2009 at CIT - Changa, Gujarat

21. Nitesh Sureja and Prashant Swadas" A Literature survey on Evolutionary based Optimization Algorithms" National level conference on emerging trends in Information Communication Technologies 2009 at CCET –Wadhwan city, Gujarat

22. Nitesh Sureja and Archana Desai, "Solving Dynamic Traveling Salesman Problem using ACO" Published in October 2009 issue of international Journal of computer Applications in Engineering, Technology and Sciences.

23. Nitesh Sureja, "A Comparative Assessment of Nature and Bio inspired optimization algorithms Within Dynamic TSP environment", published in October 2009 issue of international Journal of computer Applications in Engineering, Technology and Sciences.

Conference Papers

1. Nitesh Sureja and Prashant Swadas " A Genetic approach to solve a variant of Dynamic TSP" National level conference on emerging trends in Information Communication Technologies 2009 at CCET – Wadhwan city, Gujarat

2. Archana Desai and Nitesh Sureja, " A Particle Swarm Optimizer to solve a variant of Dynamic TSP" EPWIE 2009 at CIT - Changa, Gujarat

3. Nitesh Sureja and Prashant Swadas" A Literature survey on Evolutionary based Optimization Algorithms" National level conference on emerging trends in Information Communication Technologies 2009 at CCET –Wadhwan city, Gujarat

Activities and honours

➢ Organized Four Workshops on Computer hardware and Networking.
➢ Organized a Workshop on IBM Tivoli
➢ Organized a Workshop on UML
➢ Department coordinator of technical event ENIGMA-11
➢ Department Coordinator of technical event at national level, IMAGE-11
➢ Department coordinator of the event "Project Competition" Organized by the all engineering institutes of CVM under ISTE in 2011.
➢ Member of the team who organized "97th ISTE Executive Council meeting " at GCET
➢ Member of the team who organized a regional seminar "XXI Century : Priorities Attended School on " teachers training" at UVPCE-Kherva
➢ Attended " Data & Knowledge" symposium at ADIT – V.V. nagar
➢ Attended a STTP on AI and Softcomputing" at GCET
➢ Attended a Seminar on AI and Softcomputing" at ADIT
➢ Attended a STTP on " Cryptography and security" at GCET

- Attended a STTP on " Mobile Computing and security " at SPCE- visnagar
- Attended a two day workshop on " J2EE" at ISTAR
- Attended a STTP on " Cryptography and security" at GCET
- Attended a one day workshop on Ant Colony Optimization at GCET – V.V. Nagar
- Attended a one day regional seminar "XXI Century : Priorities in technical and higher Education " at ADIT
- in technical and higher Education " at ADIT

Grant Received
- 25,000/- Rs. for Organizing a one week STTP" on " Research Methodology and Technical Communication" sponsored by GUJCOST at OM Engineering College, 2018
- 20,000/- Rs. for Organizing a three day workshop on " Networking " sponsored by GUJCOST at OM Engineering College, 2019.