1. **Name of the Faculty:** Prof. Nileshkumar Krushnalal Modi
2. **Appointment Letter:** Date of Joining – 30/01/2017
3. **Designation:** Professor (Computer Science) – Direct Recruitment
4. **Teaching Experience (present/Previous) with required documents:**

* Professor & Director, School of Computer Science, Dr. Babasaheb Ambedkar Open University, Ahmedabad - 382481. January – 2017 to Present…

Additional Charge:

* Director, Centre for Internal Quality Assurance (CIQA) (November 2020 onwards)
* Director, Centre for Online Education (COE), (April 2019 onwards)
* Director, Centre for International Studies
* Controller of Examination (Ferbuary 2017 to October 2020)

at Dr. Babasaheb Ambedkar Open University, Ahmedabad.

* Director, Institute of Information and Communication Technology, Indus University,   
  Ahmedabad June 2016 to January - 2017
* Professor & Head, (M.C.A. & M.Sc. – IT Programme), Kadi Sarva Vishwavidyalaya, Kadi Campus from July 2009 to June 2016
* Assistant Professor (Reader) and Head, from January 2006 - June 2009,

Lecturer & Placement In-Charge, from September, 2003 to December 2005 at Narsinhbhai Institute of Computer Studies and Management (Formerly known as S.V. Institute of Computer Studies) S V Campus, Kadi – 382 715, Gujarat

1. **Ph.D. Guide ship Letter:**

* Bharathiar Univresity, Coimbatore, Tamilnadu
* Karpagam University, Coimbatore, Tamilnadu
* Kadi Sarva Vishwavidyalaya, Gandhinagar
* Gujarat Technological University, Ahmedabad
* Mewar University, Mewar, Rajasthan
* Shri Jagdishprasad Jhabarmal Tibrewala University, Jhunjhunu, Rajasthan
* Dr. Babasaheb Ambedkar Open University, Ahmedabad

1. **Guide ship Registration Certificate**

Registration letter for all the research scholars are attached herewith as mentioned.

1. **No. of Completed Ph.D. students under Guide ship**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Name of PhD Scholar** | **Title of the Thesis** | **Name of the University** |
| 1. | Devasenathipathi N. Mudaliar | Design and implementation of Genetic Algorithm to Enhance Students’ Pedantic Performance | Bharathiar University, Coimbatore, Tamlinadu |
| 2. | Vimalkumar Bhupatbhai Vaghela | Efficient selection of features and relations for multi-relational data mining based on mutual information | Karpagam University, Coimbatore, Tamlinadu |
| 3. | Vrutik Mahendrabhai Shah | Detection and prevention of detrimental node attacks for reactive based routing protocols in Mobile Adhoc Network (MANET) | Karpagam University, Coimbatore, Tamlinadu |
| 4. | Sandip Dipakbhai Mishra | Studying the authentication and encryption mechanism of 3G Standards for designing the algorithm for mutual authentication and universal encryption method. | Karpagam University, Coimbatore, Tamlinadu |
| 5. | Neha Dilipkumar Mistri | A prototypical solution to fight against cyber-crime using global information assurance. | Karpagam University, Coimbatore, Tamlinadu |
| 6. | Bhavik Hareshkumar Pandya | Analyzing and enhancing current web searches by mining relevant information from folksonomies and data-intensive webs to rank search queries. | Kadi Sarva Vishwavidyalaya, Gandhinagar |
| 7. | Haidarali Khilafat Ansari | A study, analysis and solution mechanism for efficient and secure data transfer on heterogeneous network. | Kadi Sarva Vishwavidyalaya, Gandhinagar |
| 8. | Kaushal Jani | Object Detection for Driving Assistance in Autonomous Defense Vehicle | Kadi Sarva Vishwavidyalaya, Gandhinagar |
| 9. | Desai Pinak Nikhilesh | Framework for Smart Home & Smart Grid Implementation based on Light Fidelity (LI-FI). | Kadi Sarva Vishwavidyalaya, Gandhinagar |
| 10 | Raval Kameshkumar Rajendrakumar | Optimizing Routing Protocols for Wireless Sensor Networks. | Gujarat Technological University, Ahmedabad |
| 11. | Sudhirkumar Jagadishbhai Patel | "Bad Login" as a mechanism for secure code execution and behavior analysis | Mewar University, Mewar, Rajasthan |
| 12 | Jigna Bhupendra Prajapati | A study and analysis of software faults and deterrence through fault tolerance. | Shri Jagdishprasad Jhabarmal Tibrewala University, Jhunjhunu, Rajasthan |
| 13. | Tejas Mehta | Study, analysis and implementation of data mining techniques in geographical information system for precision agriculture. | Dr. Babasaheb Ambedkar Open University, Ahmedabad |
| 14. | Mitesh Girishbhai Patel | Intelligent Agent, Knowledge Acquisition, and Memory Management | Mewar Univresity, Chittorgarh, Rajasthan |

1. **Notification of Completed Ph.D. students under your Guide ship**

PhD Notification for all the research scholars are attached herewith as mentioned in the above list.

1. **Research paper/Publications (Peer Journal) with attached First page (with your Sign.)**

**Publications in International Journals**

1. [An Analysis of Lightweight Cryptographic Algorithms for IoT-Applications](https://link.springer.com/chapter/10.1007/978-3-031-23095-0_15) co-authored by Dr Nilesh Modi and Ankit R Patel published in ASCIS 2022: [Advancements in Smart Computing and Information Security](https://link.springer.com/book/10.1007/978-3-031-23095-0) pp 201–216 Communications in Computer and Information Science, vol 1760 Springer, Cham. <https://doi.org/10.1007/978-3-031-23095-0_15> January 2023 Print ISBN978-3-031-23094-3 Online ISBN978-3-031-23095-0

<https://link.springer.com/chapter/10.1007/978-3-031-23095-0_15>

1. MH-DSCEP: Multi-hop Dynamic and Stable Cluster-Based Energy-Efficient Protocol for WSN co-authored by Dr Nilesh Modi and Mr Kamesh Raval published in ICTIS 2020: [Information and Communication Technology for Intelligent Systems](https://link.springer.com/book/10.1007/978-981-15-7078-0) pp 441–449 Smart Innovation, Systems and Technologies, vol 195. Springer, Singapore. <https://doi.org/10.1007/978-981-15-7078-0_42> October 2020, Print ISBN978-981-15-7077-3 Online ISBN978-981-15-7078-0

<https://link.springer.com/chapter/10.1007/978-981-15-7078-0_42>

1. “Problems with PIR Sensors in Smart Lighting + Security Solution and Solutions of Problems” co-authored by Dr Nilesh Modi and Mr Pinak Desai is published in Smart Trends in Computing and Communications. Smart Innovation, Systems and Technologies, vol 165 pp 481-486 <https://doi.org/10.1007/978-981-15-0077-0_49> December 2019 ISBN: 978-981-15-0076-3 and 978-981-15-0077-0 by Springer, Singapore

<https://link.springer.com/chapter/10.1007/978-981-15-0077-0_49>

1. “RAM: Rotating Angle Method of Clustering for Heterogeneous-Aware Wireless Sensor Networks” co-authored by Dr Nilesh Modi and Mr Kamesh R Raval is published in Smart Trends in Computing and Communications. Smart Innovation, Systems and Technologies, vol 165 <https://doi.org/10.1007/978-981-15-0077-0_28> December 2019 ISBN: 978-981-15-0076-3 and 978-981-15-0077-0 by Springer, Singapore.

<https://link.springer.com/chapter/10.1007/978-981-15-0077-0_28>

1. Design and Application of m-Mutation Operator in Genetic Algorithm to Solve Traveling Salesman Problem co-authored by Dr Nilesh Modi and Devasenathipathi N. Mudaliar is published in 2019 International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC) published in **IEEE *Xplore*** [Scopus Indexed](https://www.ijeat.org/wp-content/uploads/papers/v8i5S3/E10810785S319.pdf,%20SCOPUS%20INDEXED) Journal April 2020 Publisher: IEEE <https://doi.org/10.1109/ICCPEIC45300.2019.9082347> Electronic ISSN: 2576-9065 Print ISSN: 2472-4033

<https://ieeexplore.ieee.org/abstract/document/9082347>

1. Applying m-Mutation Operator in Genetic Algorithm to Solve Permutation Problems co-authored by Dr Nilesh Modi and Devasenathipathi N. Mudaliar is published in 2019 IEEE International Conference on System, Computation, Automation and Networking (ICSCAN) published in **IEEE *Xplore*** October 2019 [Scopus Indexed](https://www.ijeat.org/wp-content/uploads/papers/v8i5S3/E10810785S319.pdf,%20SCOPUS%20INDEXED) Journal **DOI:** <https://doi.org/10.1109/ICSCAN.2019.8878867> Electronic ISBN: 978-1-7281-1525-2 CD:978-1-7281-1524-5 Print ISBN: 978-1-7281-1526-9

<https://ieeexplore.ieee.org/abstract/document/8878867>

1. IoT Based Smart Lighting System using PIR Sensors, Arduino Uno and Thingspeakcloud + Chat Bot and Dashboard to Monitor Home Remotely co-authored by Dr Nilesh Modi and Mr Pinak Desai is published in International Journal of Engineering and Advanced Technology (IJEAT) Volume-8, Issue-5S3 July, 2019 ISSN: 2249 – 8958 [Scopus Indexed](https://www.ijeat.org/wp-content/uploads/papers/v8i5S3/E10810785S319.pdf,%20SCOPUS%20INDEXED) Journal <https://www.ijeat.org/wp-content/uploads/papers/v8i5S3/E10810785S319.pdf>
2. Smart Lighting Solution using Clusters of Sen-sors (Problems with Limited Sensors) and Ana-lyzing Networks for Smart Lighting Solution co-authored by Dr Nilesh Modi and Mr Pinak Desai is published in International Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume-8 Issue-6S April, 2019 ISSN: 2278-3075 [Scopus Indexed](https://www.ijeat.org/wp-content/uploads/papers/v8i5S3/E10810785S319.pdf,%20SCOPUS%20INDEXED) Journal <https://www.ijitee.org/wp-content/uploads/papers/v8i6s/F61580486S19.pdf>
3. Object Detection for the Dynamics of Moving Vehicles using Deep Learning and CNN co-authored by Dr Nilesh Modi and Mr Kaushal Jani is published in 2nd International Conference on Research Advancements in Applied Engineering Sciences, Computer and Communication Technologies (ICRAAESCCT -19), Pune Pg. No. 70-73 ISBN: 978-81-940803-2-9 March, 2019 published by Institute for Engineering Research and Publication (IFERP) D.Y. Patil College of Engineering & Technology DYPCET - Kolhapur [Scopus Indexed](https://www.ijeat.org/wp-content/uploads/papers/v8i5S3/E10810785S319.pdf,%20SCOPUS%20INDEXED) Journal. <https://www.iferp.in/digital-library/conference-proceedings/2019/3-ICRAAESCCT%20-19%20,%20Pune.pdf>
4. MSECHP: More Stable Election of Cluster Head Protocol for Heterogeneous Wireless Sensor Network co-authored by Dr Nilesh Modi and Mr Kamesh Raval published in Advances in Intelligent Systems and Computing, vol 508 pp 65–75 April 2017 Springer, Singapore. <https://doi.org/10.1007/978-981-10-2750-5_7> Print ISBN978-981-10-2749-9 Online ISBN978-981-10-2750-5 <https://link.springer.com/chapter/10.1007/978-981-10-2750-5_7>
5. Research on Experiences and Challenges with Increased Online Learning, the Role of Virtual Universities for Families and Teachers to Helping Students. co-authored by Dr Nilesh Modi and Mr Mahendra Patel published in Gradiva Review Journal Volume 8 Issue 03 pp 142-148 March 2022 ISSN No: 0363-8057 DOI:10.37897.GRJ.2021.V7I11.21.4910 <https://gradivareview.com/volume-8-issue-3-2022/>
6. An Effective Cyber Security Management Techniques that Designed to Protect System, Organizations and Individuals from the deliberate Exploitations co-authored by Dr Nilesh Modi and Mr Mitesh Patel published in Gradiva Review Journal Volume 7 Issue 11 pp 85-89 November 2021 ISSN No: 0363-8057 DOI:10.37897.GRJ.2021.V7I11.21.403 <https://gradivareview.com/volume-7-issue-11-2021/>
7. Software System Selection For Open University System co-authored by Dr Nilesh Modi and Mr Mahendra Patel published in International Journal of Advanced Research in Science, Communication and Technology Volume 2 Issue 1 pp 497-502 July 2022 ISSN No: 2581-9429 DOI: 10.48175/IJARSCT-5710 <https://ijarsct.co.in/july1i.html>
8. Unauthorized Access Point Detection Methods in 802.11: A Review co-authored by Dr Nilesh Modi and Mr Mitesh Patel published in International Journal of Advanced Research in Science, Communication and Technology Volume 11 Issue 01 pp 346-349 Novembe 2021 ISSN No: 2581-9429 DOI:10.48175/IJARSCT-2129 <https://ijarsct.co.in/novi1.html>
9. False base station attack in GSM Network Environment co-authored by Dr Nilesh Modi and Mr Sandip Mishra is published in International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 3 Issue 11, Pg. No. 3845-3849 November 2014 ISSN: 2278–1323 Impact Factor: 2.793 <http://ijarcet.org/wp-content/uploads/IJARCET-VOL-3-ISSUE-11-3845-3849.pdf>
10. "GSM Mobile Authentication Based On User SIM” co-authored by Dr Nilesh Modi and Mr Sandip Mishra is published in International Journal of Computer Science Trends and Technology (IJCST) in Volume 2 Issue 6, Page No. 121-125 Nov-Dec 2014 ISSN: 2347-8578 Impact Factor: 1.76 <http://www.ijcstjournal.org/volume-2/issue-6/IJCST-V2I6P25.pdf>
11. “An inquisition based Detection and Mitigating Techniques of AODV Protocol in Existence of Packet Drop Attacks” co-authored by Dr Nilesh Modi and Mr Vrutik Shah is published in International Journal of Computer Applications Volume 69– No.7, May 2013 ISSN No. 0975 – 8887 Impact Factor: 0.821 DOI: 10.5120

<http://www.ijcaonline.org/archives/volume69/number7/11851-7607>

1. A research paper on " An Analysis of Multipath Routing in Mobile Ad Hoc Networks" co-authored by Dr Nilesh Modi and Mr Vishal Rajput is published in [International Journal of Advanced and Innovative Research](http://ijair.jctjournals.com/index.html) (IJAIR) - Volume 2, Issue 2 ( February 2013 ) Pg no: 289 - 294, ISSN: 2278-7844 Impact Factor: 0.349

<http://www.advanceresearchlibrary.com/temp/downloads/ijair/feb2013/t48.pdf>

1. “A Study of Optical Routing Protocols for Wireless Sensor Networks” co-authored by Dr Nilesh Modi and Mr Vishal Rajput is published in a peer reviewed International Journal – Indian Journal of Research – Paripex on Pg no: 22-25, Volume 2, Issue 1, January 2013 ISSN: 2250 – 1991 Impact Factor: 0.3208
2. A research paper on "Prospective Relevance of Cloud Computing in Indian Environment” co-authored by Dr Nilesh Modi and Dr Vinod Desai Shah is published in SIBACA International Journal of Computing (SIJC) - Volume 1, Issue 1 (October 2012) Pg no: 1 - 6, ISSN: 2319-3794.
3. A research paper on "AODVGAP - an acknowledgment based approach to mitigate selective forwarding attacks in MANET" co-authored by Dr Nilesh Modi and Mr Vrutik Shah is published in International Journal of Computer Engineering & Technology (IJCET) - Volume 3, Issue 2 ( 2012 ) Pg no:458 - 469, Mar-Apr 2012. Print: ISSN 0976 – 6367 Online:  ISSN 0976 - 6375.

<http://www.researchgate.net/publication/236845408_AODVGAP-AN_ACKNOWLEDGMENT_BASED_APPROACH_TO_MITIGATE_SELECTIVE_FORWARDING_ATTACKS_IN_MANET/file/e0b495195da7501247.pdf>

1. "A Comparative analysis of Network layer threats & defense mechanisms of MANETs " co-authored by Dr Nilesh Modi and Mr Vrutik Shah is published in International Journal of Advanced Research in Computer Science (IJARCS) - An online journal, Volume 3 No.2, Page no: 160-166, Mar-Apr 2012. ISSN No.0976-5697. Indexed in: EBSCO HOST, Index Copernicus, DOAJ, Open J Gate, New Jour, Science central, Electronic Journal List, Ulrichs Web, Dayang Journal System. IC (Index Copernicus) Value for year 2012: 3.74

<http://www.ijarcs.info/?wicket:bookmarkablePage=:com.genxcellence.journal.pharmacy.web.issue.ArchivesIssueList>

1. A Research Paper on “Parallel Key Sequence Generators Based Security System to Prevent Common Security Attacks” co-authored by Dr Nilesh Modi and Ms. Neha Mistri is published in International Journal of Computer Engineering & Science, Nov. 2013. Volume 3, Issue 2, pp. 73-80 ISSN: 2231-6590

<http://www.ijces.org/media/3Iss6-IJCES0302135_v3_iss2_73-80.pdf>

1. A Research Paper on “Anatomy and Mechanism of DOS attack” co-authored by Dr Nilesh Modi and Ms. Neha Mistri is published in International Journal of Advanced Information Science and Technology (IJAIST) Vol.6, No.6, October 2012 ISSN: 2319:2682, Impact Factor: 3.564, pg no-18-22 <http://www.ijaist.com/index.php/2012-09-20-17-45-51/2012-issues/october>
2. A Research Paper on “Security Authentication Approach for Improving Vertical Handoff in Heterogeneous Network” co-authored by Dr Nilesh Modi and Mr. Haidarali Ansari is selected for publication in International Journal of Network and Mobile Technology (IJNMT) ISSN: 2229-9114
3. A research paper on “Applying Genetic Algorithms to Improve Students’ Academic Performance by Group Formation” co-authored by Dr Nilesh Modi and Mr. Devasenathipathi Mudaliar is published in IFRSA International Journal of Data Ware housing & Mining (IIJDWM) Volume 1 Issue 2, Pg. No. 142 - 146, November 2011 ISSN (Print): 2249 –7161, ISSN (Online): 2249 –2186, Impact Factor: 3.56, Weblink: <http://www.ifrsa.org/images/iijdwmissue2/6%20six.pdf>
4. A research paper on “Evolutionary Algorithm Approach to Pupils’ Pedantic Accomplishment” co-authored by Dr Nilesh Modi and Mr. Devasenathipathi Mudaliar is published in International Journal of [Advances in Intelligent Systems and Computing](http://link.springer.com/bookseries/11156) Volume 199, 2013, pp 415-423 and Proceedings of the International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) both published by Springer Berlin Heidelberg Ref. No. 10.1007/978-3-642-35314-7\_47 ISSN:2194-5357 Weblink: <http://link.springer.com/chapter/10.1007%2F978-3-642-35314-7_47>
5. A research paper on “Implementation of Generative Crossover Operator in Genetic Algorithm to Solve Traveling Salesman Problem” co-authored by Dr Nilesh Modi and Mr. Devasenathipathi Mudaliar is published in International Journal of [Advances in Intelligent Systems and Computing](http://link.springer.com/bookseries/11156) Volume 324, November 2014, pp 47-53 and Proceedings of the The International Conference on Artificial Intelligence and Evolutionary Algorithms in Engineering Systems (ICAEES 2014) both published by Springer India DOI: 10.1007/978-81-322-2126-5\_6 Series ISSN: 2194-5357

Weblink: <http://link.springer.com/chapter/10.1007%2F978-81-322-2126-5_6>

1. A research paper on “Contemplating Crossover Operators of Genetic Algorithm for Student Group Formation Problem” co-authored by Dr Nilesh Modi and Mr. Devasenathipathi Mudaliar is published in International Journal of Emerging Technology and Advanced Engineering Volume 2 Issue 2, Pg. No. 192 - 197, February 2012 ISSN: 2250-2459, Impact Factor: 2.324.

Weblink: <http://www.ijetae.com/files/Volume2Issue2/IJETAE_0212_31.pdf>

1. A research paper on “Applied Taxonomy Techniques Intended for Strenuous Random Forest Robustness” International Journal of Computer Technology and Applications (IJCTA) Volume 2, Issue 6, NOV-DEC 2011, ISSN: 2061-2065, Impact Factor: 2.804.
2. A Research Paper on “Multi-Relational Classification Using Inductive Logic Programming” selected for publication in the IEEE Intelligent Transportation Systems Transactions and Magazine. Volume/Issue: Vol.1 - Issue 3 ( May- 2012), E-ISSN: 2278-0181, Publication Date:30-05-2012

<http://www.ijert.org/view.php?id=108&title=multi-relational-classification-using-inductive-logic-programming>

1. A Research Paper on “Diminish the Extent of e-Government project collapse with fault tolerance” co-authored by Dr Nilesh Modi and Ms. Jigna Prajapati is published in e-Journal of Science & Technology (e-JST) issue: 4, volume: 7, year: 2012 ISSN 1790-5613

<http://e-jst.teiath.gr/issue_27/Prajapati_27.pdf>

1. A Research Paper on “Reliability Enhancements Of Surgical Robots Through Software Fault Tolerance” co-authored by Dr Nilesh Modi and Ms. Jigna Prajapati is published in e-Journal of Science & Technology (e-JST), Issue: 2, Volume: 7, Year: 2012, ISSN 1790-5613  <http://e-jst.teiath.gr/issue_25/Prajapati_25.pdf>
2. A Research Paper on “Waves of Faults in Embedded System and Way Out through Fault Tolerance” is co-authored by Dr Nilesh Modi and Ms. Jigna Prajapati is published in the International Journal of Computer Applications (IJCA) in Volume 29– No.12, September 2011, ISSN No. 0975 – 8887 Edition published by Foundation of Computer Science, New York, USA. Impact Factor: 1.187, ISBN: 978-93-80864-83-5

URI: <http://www.ijcaonline.org/archives/volume29/number12/3707-5173>

1. A Research Paper on “A Scrutiny of Automated Healthcare System with SFT” is co-authored by Dr Nilesh Modi and Ms. Jigna Prajapati is published in International Journal of Computer Science & Communication Networks,Vol 1(3), 305-309 ISSN:2249-5789, IC Value: 5.09.

<http://www.ijcscn.com/Documents/Volumes/vol1issue3/ijcscn2011010317.pdf>

1. A Research Paper on “Performance Improvements in Thin Client Through Software Fault Tolerance” is co-authored by Dr Nilesh Modi and Ms. Jigna Prajapati is published in Current Trends in Information Technology Vol 1, No 2 - 3 (2011), ISSN: 2249-4707

<http://stmjournals.com/index.php?journal=CTIT&page=article&op=view&path%5B%5D=1457>

1. A Research Paper on “Multi Relational Data Mining Classification Processions – A Survey” is co-authored by Dr Nilesh Modi and Mr. Vimal Vaghela is published in International Journal of Computer Technology and Applications (IJCTA) Pg. No.: 3097-3102, Volume 2 Issue 6, NOV-DEC 2011, ISSN: 2229-6093, IC Value : 5.70,

Weblink: <http://ijcta.com/documents/volumes/vol2issue6/ijcta2011020669.pdf>

1. A Research Paper on “Multi-Relational Classification Using Inductive Logic Programming” is co-authored by Dr Nilesh Modi and Mr. Vimal Vaghela is published in International Journal of Engineering Research & Technology (IJERT) Pg. No. 1-7, Volume 1 Issue 3, May 2012, ISSN: 2278-0181, Impact Factor: 1.76, Weblink: <http://www.ijert.org/browse/may-2012-edition?start=80>
2. A Research Paper on “Analysis and Comparative Study of Classifiers for Relational Data Mining” is co-authored by Dr Nilesh Modi and Mr. Vimal Vaghela is published in International Journal of Computer Applications (IJCA) Pg. No. 11-21, Volume 55 Issue 7, October 2012, ISSN: 0975 – 8887 DOI: 10.5120/8765-2685 Published by Foundation of Computer Science, New York, USA

Weblink: <http://www.ijcaonline.org/archives/volume55/number7/8765-2685>

1. A Research Paper on “MR2 Based Feature Selection for Multi-Relational Naïve Bayesian Classifier” is co-authored by Dr Nilesh Modi and Mr. Vimal Vaghela is published in International Journal of Applied Research in Computer Science and Information Technology (IJAR-CSIT) Pg. No. 2-7, Volume 2 Issue 1, May 2013, SET Scholar, Open Access Journals, Australia ISSN: 1839-8480

Weblink: <http://www.setscholars.org/index.php/ijarcsit/article/view/330/186>

1. A Research Paper on “Security Concerns in Grid Environment” published in International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences:IJ-ETA-ETS (ISSN: 0974-3588), By Amoghsiddhi Education Society, Sangli, Maharashtra, India Surendranagar. (Pg. No. 546-551, Vol. 3, Issue-2, July-Dec 2010, ISSN: 0974–3588)
2. A Research Paper on “Improving Navigation and Visualization for User’s and Search Engines” published in the International Journal on Semantic Web and Information Systems published by Idea Group Publishing, USA (ISSN: 1552-6283 (P), ISSN: 1552-6291 (E)).
3. A Research Paper on “Fuzzy Pattern Matching Algorithm for Web Usage” Selected for publication in the international journal for Data Mining and knowledge Discovery published by Springer’s Publication (ISSN: 1384-5810 (P), ISSN: 1573-756X (E)).
4. A Research Paper on “Creating Web Unit of Web Communities and Derive Some Unexpected Information from Web Unit” Selected for publication in the international journal for Heuristics published by Springer’s Publication. (ISSN: 1381-1231(P), ISSN: 1572-9397(E))
5. A Research Paper on “Efficient Handover among WiMAX and WiFi” Selected for publication in the International Journal of Computer Science and Application-IJCSA 2010 (ISSN: 0974-0767) by Sinhgad Institute of Business Administration and Research, Pune.
6. A Research Paper on “Prospective Relevance of Cloud Computing in Indian Environment” published in the International Journal of Data Modeling and Knowledge Management (ISSN: 2249-0507) published by Mind Reader Publications, New Delhi, INDIA

**Publications in National Journals:**

1. A Research Paper entitled “Improving Navigation and Visualization for User’s and Search Engine” published in January-June 2010 issue of Journal of SCI-TECH Research published by Kadi Sarva Vishwavidyalaya, Gandhinagar (Pg. No. 11-16, Vol.1 Number 1, Jan-June 2010, ISSN: 0974-9780).
2. A Research Paper entitled “Clustering using Visual Data Mining” is published in Jan-June-2010 issue of National Journal of Computer Science and Technology published by S V Academy for Research, Innovation and Development (SV-ACRID), (Pg. No. 29-32, Vol. 2, Issue-1, January-June 2010, ISSN: 0975–2463)
3. A Research Paper entitled “Creating Web Unite of Web Communities and Derive Astonishing Information from Web Unite” is published in Dec-2009 issue of National Journal of System and Information Technology published by Shrimad Rajchandra Institute of Management and Computer Application, Bardoli (Pg. No. 147-157, Vol. 2 Number 2, Dec 2009, ISSN: 0974-3308)
4. A Research Paper entitled “Performance Evaluation of Audio Video Data Transfer in 802.11b WLAN Environment” is published in July-2009 issue of National Journal of Computer Science and Technology published by S V Academy for Research, Innovation and Development (SV-ACRID), (Pg. No. 5-8, Vol. I, Issue-2, July-December 2009, ISSN: 0975–2463)
5. A Research Paper entitled “Planning and Implementation of Knowledge Grid in Indian Context” is selected for publication in July-2009 issue of National Journal of System and Information Technology published by Shrimad Rajchandra Institute of Management and Computer Application, Bardoli, (Pg. No. 42-53, Vol. I Number 3, June 2009, ISSN: 0974-3308).
6. A Research Paper entitled “[Design and Implementation Issues of Wireless Sensor Networks](#_gjdgxs)” is published in January-2009 issue of National Journal of Computer Science and Technology published by S V Academy for Research, Innovation and Development (SV-ACRID), (Pg. No. 37-41, Vol. I, Issue-I, Jan-June 2009, ISSN: 0975–2463).
7. A Research Paper entitled “[Security Issues in On-Demand Grid Computing](#_30j0zll)” is published in January-2009 issue of National Journal of Computer Science and Technology (ISSN: 0975–2463) published by S V Academy for Research, Innovation and Development (SV-ACRID), (Pg. No. 11-19, Vol. I, Issue-I, Jan-June 2009, ISSN: 0975–2463).
8. A Research Paper entitled “Implementation and Security Issues in ATM Networks” is published in June-2006 issue of Anart The Journal of Hemchandracharya North Gujarat University published by Library Department, Hemchandracharya North Gujarat University, Patan, (Vol. II, 2005)

**Research Papers Presented/ published in International Conferences: -**

1. A Research Paper entitle “Unraveling Travelling Salesman Problem by Genetic Algorithm using m-Crossover Operator” is presented and published in the proceedings of International conference on Signal Processing Image Processing & Pattern Recognition (ICSIPR) page no. 127-130, Print ISBN:978-1-4673-4861-4 during 7-8 Feb. 2013, Organized by Department of Electronics and Communication Engineering, School of Electrical Sciences, Karunya University, Coimbatore and IEEE Xplore Digital Library Weblink: <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6497974&queryText%3DN.+K.+Modi>
2. A Research Paper entitle “Civilizing performance in DSR based ARIADNE protocol in existence of route modification attack” is presented and published in the proceedings of the International conference on Networks, Intelligence and Computing Technologies (ICNICT-2011), during December 15 - 16, 2011, at Karpagam University, Coimbatore (ISBN: 978-81-8424-742-8).
3. A Research Paper entitle “Image Processing for Face Recognition using Fuzzy Neural Network” is presented and published in the proceedings of the International Conference on Innovative Science & Engineering Technology (ICISET-2011), during April 8 - 9, 2011, at VVP Engineering College, Rajkot, India (ISBN 978-81-906377-5-6).
4. A Research Paper entitle “Efficient Handover among WiMAX and WiFi” is selected for presentation and publication in the proceedings of the 2nd International Conference on Computer and Network Technology (ICCNT 2010), during April 23 - 25, 2010, at Bangkok, Thailand (ISBN: 978-0-7695-4042-9).
5. A Research Paper entitle “Monitoring Web Usage Using Fuzzy Pattern Matching” is presented and published in the proceedings of the International Conference on Managing Next Generation Software Applications, during 5-6 December,2008 organized by Karunya University, Karunya Nagar, Coimbatore (Shri Garuda Publications, Coimbatore, ISBN No. 978-81-907870-0-0)
6. A Research Paper entitle “Tracking the Growth of Web Usage Patterns Using Visual Data Mining” is Selected for presentation and publication in the proceedings of the International Conference on Web Intelligent System – ICWIS09, during 8-10, January, 2009 organized by Rajalakshmi Engineering College, Chennai, Tamilnadu (Narosa Publishing House Pvt. Ltd. Chennai, ISBN No. 978-81-8487-013-8
7. A research paper selected for the presentation on “Trust based security issues in Grid and Cluster Computing” at 2nd International Conference on Globalization: Opportunities and Challenges IBSA.ICON07, during December 27-29, 2007 Organized by ICFAI Business School, Ahmedabad. (Published in Globalization: Opportunities and Challenges, Wisdom Publications; 2008. ISBN: 81-89547-39-9)
8. A research paper selected for the presentation on “Application of Information Technology to improve the efficiency of Lighthouses on Indian Coast” at International Conference on Information Systems, Technology and Management, ICISTM 2007 at New Delhi, during March 12-13, 2007 Organized by Institute of Management & Technology, Ghaziabad, U.P. and University of California, USA. (Published by: Allied Publishers Pvt.Ltd, ISBN No. 81-8424-182-8)
9. A research paper on “Natural Language Requirements for the Executable Models of Software Components” presented at 3rd International Conference on Multilingual Computing and Information Management in Networked Digital Environment CALIBER – 2005, held at Cochin, Kerala, during February 2-4, 2005 Organized by Cochin University of Science & Technology, Cochin, Kerala, University Grant Commission, New Delhi, Inflibnet Center an Autonomous Inter-University Library and Information Network Center of UGC, Ahmedabad (ISBN No. 81-902079-0-3).
10. A research paper on “Current Status & Process in the development of Application through NLP” presented at 3rd International Conference CALIBER – 2005, held at Cochin, Kerala, February 2-4, 2005, Organized by Cochin University of Science & Technology, Cochin, Kerala, University Grant Commission, New Delhi, Inflibnet Center an Autonomous Inter-University Library and Information Network Center of UGC, Ahmedabad (ISBN No. 81-902079-0-3).
11. A research paper on “Security Policy” presented at International Conference on Emerging Technologies ICET-2004, during December 21-24, 2004 organized by Indian Institute of Technology, Kanpur, Kalinga Institute of Industrial Technology (Deemed University), Bhubaneswar, (India) in collaboration with AICTE, Ministry of Human Resource Development, New Delhi, India and Council for Scientific and Industrial Research (CSIR), New Delhi (ISBN No. 81-7764-726-1).
12. A research paper on “Implementation of Reliable Multicast Transport Protocol” presented at International Conference on Emerging Technologies ICET-2004, during December 21-24, 2004 organized by Indian Institute of Technology, Kanpur, Kalinga Institute of Industrial Technology (Deemed University), Bhubaneswar (India) in collaboration with AICTE, Ministry of Human Resource Development, New Delhi, India and Council for Scientific and Industrial Research (CSIR), New Delhi (ISBN No. 81-7764-726-1).
13. **Others**
14. **Career Achievements**

* As Director of Centre for Internal Quality Assurance (CIQA) and Coordinator of the NAAC Accreditation Process, Dr. Babasaheb Ambedkar Open University has been awarded the highest A++ Grade with 3.55 CGPA on 4 Point Scale by National Assessment Accreditation Council (NAAC) in its very first cycle. Becomes the only University in Gujarat and the first State Open University in India to Secure A++ Grade with highest CGPA.
* We could make it possible that the University has been granted Category – I Graded Autonomy Status by University Grants Commission (UGC).
* By the constant efforts as Director, Centre for Online Education - University has been entitled to offer programmes under Online Mode by University Grants Commission – Distance Education Bureau (UGC-DEB).
* One of his course “Cyber Security Tools, Techniques and Countermeasures has been selected to offer Online on SWAYAM Platform by Ministry of Education, Government of India and grant of Rs. 13,50,000/- was allocated for the development of the course.
* Awarded with “Career Award for Young Teachers (CAYT)” for the financial year 2013- 14 by All India Council for Technical Education (AICTE), New Delhi. The award money Rs. 9,00,000/- is supposed to be spent on the research titled “Modeling a framework for efficient and secured use of networked resources for an organization in recent cyber age”
* Awarded with “Principal Investigator” for the MODROB (Modernization & Removal of Obsolescence) Scheme for the financial year 2013-14 by All India Council for Technical Education (AICTE), New Delhi. The award money Rs. 9,87,000/- is supposed to be spent on the research titled “Smarten‐Up the Computing Facility With Advanced Teaching Learning Aids”

1. **Honors and Awards**

* In recognition of my contribution to IT and related activities during last ten years, Computer Society of India honored me with “Significant Contribution Award” during the Annual National Convention of Computer Society of India CSI-2013 during 11-12 December, 2013 held at Hotel Novotel, Vishakhapatnam, Andhra Pradesh.
* I have been conferred with the prestigious "Patron Award" by Computer Society of India during 53rd Annual Convention - CSI 2020 at Bhubneshwar, Orissa on 18th Jan, 2020 in recognition of significant contribution to the Computer Society of India and for spreading use of ICT at various levels for digitizing the activities.

**Academic Profile**

1. **Name of the Faculty:** Prof. Nileshkumar Krushnalal Modi
2. **Appointment Letter:** Date of Joining – 30/01/2017
3. **Designation:** Professor (Computer Science) – Direct Recruitment
4. **Teaching Experience (present/Previous) with required documents:**

Total Teaching Experience: 20 Years and 02 Months

Experience as Professor: 14 Years and 04 Months

1. **Ph.D./M.Phil. Scholars Guided**

|  |  |  |
| --- | --- | --- |
| **Ph.D. / M.Phil** | **No. of Scholars** | **Status** |
| Ph.D. | 13 | Completed |
| Ph.D. | 02 | Submitted Thesis |
| Ph.D. | 05 | Pursuing |
| M.Phil. | 05 | Completed |

1. **Research Paper/Publications (Peer Journal)**

|  |  |
| --- | --- |
| **Journal** | **No. of Papers/Publications** |
| International Journals  (Peer Reviewed Scopus Indexed) | 46 |
| National Journals  (Peer Reviewed Scopus Indexed) | 08 |
| International Conference Proceedings  (Peer Reviewed Scopus Indexed) | 12 |
| Total | 66 |

1. **Career Achievements and Awards**

* As Director, CIQA made university proud by securing A++ Grade in NAAC Accreditation Process
* University has been granted Category – I Graded Autonomy Status by University Grants Commission (UGC).
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