CIRRICULUM VITAE

 **Name :** Dr**.** Deepak Naganath Rewadkar 

**Designation :** Head of Department

Information Technology, Government Polytechnic, Pune, Dist Pune.

 Email:ithod@gppune.ac.in

# Education Qualification:

* + Ph.D. (Computer Science & Engineering) from S.R. T.

Marathwada University, Nanded. Topic of research is

“Least-Congested Route Estimation Using GPS Equipped Vehicles in Urban Road Networks with Optimal Path”.

* + M.E.(Computer Technology) from S.G.G. S. Institute of Engineering & Technology, Nanded under S.R. T. Marathwada University, Nanded in 2000.
	+ B.E. (Computer Science & Engineering) from S.G.G. S. Institute of Engineering & Technology, Nanded under Dr.

B.A. Marathwada University, Aurangabad in 1993.

# Details of Employment :

* + Working as Head of Department, Information Technology , Government Polytechnic, Pune, Dist Pune since 7th June 2023 onwards.
	+ Worked as Head of Department, Information Technology , Government Polytechnic, Awasari (Khurd), Dist Pune since 6th July’ 2015 to 6th June 2023
	+ Worked as Associate Professor and Head of Department of Computer Engineering RMD Sinhgad School of Engineering Warje , Pune from 02 July’2012 to 04th July 2015.
	+ Worked as Associate Professor (Computer Engineering) Sinhgad Institute of Technology & Science, Narhe Pune from 14th September ‘2010 to 02nd July 2012.
	+ Worked as Professor & Head of Department (Computer Science & Engineering) M.S. Bidve Engineering College, Latur from 1st October’2007 to 13th September’ 2010.
	+ Worked as Assistant Professor/System Analyst & Head of Department (Computer Science & Engineering) M.S. Bidve Engineering College, Latur from 1st November’2001 to 30th September’ 2007.
	+ Worked as Senior Faculty in ESG group of Tech Mahindra formerly named as Mahindra British Telecom and its allied company for period of one year in year 2001.
	+ Worked as Lecturer, Sr. Lecturer & System Analyst (Computer Science & Engineering) M.S. Bidve Engineering College, Latur from 2nd September’1993 to 28th February 2001.
	+ Worked with additional charge as Director, for MCA course of Mahatma Basaweshwar Education Society, Latur from February’ 2001 to Auguest’2010.
	+ Approved P.G. Teacher by Savitribai Phule Pune University, Pune since Dt. 17/03/2015.

Total Teaching Experience: 03 Years (PG Level)

 21 Years (Graduate Level)

 08 Years (Diploma Level)

# Administrative Responsibilities:

* + Working as Head of Department of Information Technology, Government Polytechnic, Pune Since 07/06/2023 till date.
	+ Working as Head of Department of Information Technology, Government Polytechnic Awasari(Kh). Pune Since 06/07/2015 to 06/06/2023.
	+ Working as Vice President of Gymkhana Government Polytechnic Awasari(Kh). Pune Since 06/07/2016 till date.
	+ Worked as member for designing and implementation of “ I” scheme curriculum of Computer Engineering and Information Technology of Maharashtra State Board of Technical Education,Mumbai.
	+ Worked as Head of Department of Computer Engineering at RMD Sinhgad School of Engineering Warje , Pune from 02

July’2012 to 04th July 2015.

* + Worked as M.E. Coordinator for PG programme Computer Science and Engineering at RMD Sinhgad School of Engineering Warje , Pune from 02 July’2012 to 04th July 2015.
	+ Worked as Board of Studies member for Computer Science and Engineering in Swami Ramanand Teerth Marathwada University, Nanded.
	+ Worked as Head of Department of Computer Science and Engineering at M.S. Bidve Engineering College, Latur from 15st February’2001 to 13th September’ 2010.
	+ Worked as Senior Faculty member in Tech Mahindra (Formerly Mahindra British Telecom)Pune in Education Service Group.



# Recognition & Awards:

* + Recognised PG teacher in Savitribai Phule Pune University, Pune(Computer Engineering).
	+ Certified by IBM for Object Oriented Analysis and Design using UML with Essentials of Rational Software Architect(course code:DEV 396).
	+ IBM Cetified Database Associate DB2.
	+ **M.E. /M. Tech. Dissertation Guidance**: More than 14 Candidates have completed the dissertation in the areas of Wireless Networks, Vehicular Network(VANET),Cloud Computing and Network Security.
	+ **B. E. /B. Tech. Project Guidance**: More than 107 Students have completed the Final Year Projects in the areas of Web Technology, Computer Network, Database Management, Network Security, Image Processing.
	+ **Diploma Project Guidance:** More than 12 groups of students have completed the Final Year Projects in the areas of Network Security , Database Management ,Web Technology, Computer Network.

# Member of Professional Body:

Life Member of The Indian Society for Technical Education (ISTE LM30132).

# Paper Publication:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Title** | **Author** | **Publication** | **Volume,Issue** | **ISSN** |
| **1** | [Traffic-aware routing protocol in VANET using adaptive autoregressive crow search algorithm](https://scholar.google.com/scholar?cluster=1136505961936528491&hl=en&oi=scholarr) | Deepak Rewadkar, Dharmpal Doye | Journal of Networking and Communication Systems | Volume 1Issue 1Pages 36-42 |

|  |  |
| --- | --- |
| ISSN **1229-2370** | **1229-2370** |

 |
|  **2.** | [Traffic-aware routing protocol in VANET using adaptive autoregressive crow search algorithm](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=gUhfjQkAAAAJ&citation_for_view=gUhfjQkAAAAJ:HDshCWvjkbEC) | Deepak Rewadkar, Dharmpal Doye | Journal of Networking and Communication Systems | Volume 1Issue 1Pages 36-42 |

|  |  |
| --- | --- |
| ISSN **1229-2370** | **1229-2370** |

 |
| 3 | Multi-objective auto-regressive whale optimisation for traffic-aware routing in urbanVANET | Deepak Rewadkar ; Dharmpal Doye | IET Information Security | Volume 12, Issue 4,p. 293 – 304,July 2018 | Print ISSN 1751-8709, OnlineISSN 1751-8717 |
| 4 | FGWSO‐TAR:Fractional glowworm swarm optimization for traffic aware routing in urbanVANET | Deepak Rewadkar ; Dharmpal Doye | International Journal of Communication Systems Wiley Publication. | Volume31, Issue1 10 January 2018 | ISSN:1099-1131 |
| 5 | Adaptive-ARW:Adaptive Autoregressive Whale Optimization Algorithm for Traffic-Aware Routing in UrbanVANET | DeepakRewadkar ; Dharmpal Doye | International Journal ofComputer Sciences and Engineering | Volume-6, Issue-330 March 2018 | E-ISSN: 2347-2693 |
| 6 | Multihop Privacy Aware Data Aggregation in Mobile Sensing | Asmita Abhyankar, Prof.D.N.Rewadkar | International Journal of Innovative Research in Computer andCommunication Engineering | Vol. 3, Issue 7, July2015 | ISSN(Online): 2320-9801ISSN (Print): 2320-9798 |
| 7 | Flexible Deterministic Packet Market: An IP TracebackScheme | Pooja G. Kukreja, D.N.Rewadkar | International Journal of Science and Research (IJSR) | Volume 4 Issue 1,January 2015 | ISSN (Online): 2319-7064 |
| 8 | Continuous User Identity Verification Using Biometric Traits for Secure Internet Services | Harshal A Kute,D.N. Rewadkar | International Journal of Innovative Research in Computer and Communication Engineering | Volume 3 Issue 12,December 2014 | ISSN (Online): 2319-7064 |
| 9 | Survey Paper on Load Rebalancing for Distributed File Systems in Clouds | Juhi Shah, D. N. Rewadkar | International Journal of Science and Research (IJSR) | Volume 3 Issue 11,November 2014 | ISSN (Online): 2319-7064 |
| 10 | A Review of Anti Phishing Framework based onVisualCryptography | D. N. Rewadkar, Asmita D. Abhyankar | International Journal of Science and Research (IJSR) | Volume 3 Issue 9,September 2014 | ISSN (Online): 2319-7064 |
| 11 | A Defense Security Approach against HackingUsing TrustedGraphs | D. N. Rewadkar, Harshal A. Kute | International Journal of Science and Research (IJSR) | Volume 3 Issue 8,August 2014 | ISSN (Online): 2319-7064 |
| 12 | Review of Signature Generation for Private Information Leakage in AndroidApplications | Prof. D. N. Rewadkar Pavitra Mangesh Ratnaparkhi | International Journal of Advanced Research in Computer Science and Software Engineering | Volume 4, Issue 8,August 2014 | ISSN: 2277 128X |
| 13 | Hierarchical CP- ABE Scheme Implementation onAmazon EC2cloud | D. N. Rewadkar,V. S. Dhumal | International Journal of Science and Research (IJSR) | Volume 3 Issue 7,July 2014 | ISSN (Online): 2319-7064 |
| 14 | Review of Different Methods Used for Large-Scale Urban Road Networks Traffic StateEstimation | D.N.Rewadkar, Tuhina Dixit | International Journal of Emerging Technology and Advanced Engineering(IJETAE) | Volume 3, Issue 10,October 2013Pages 369-373 | ISSN:2250-2459 |
| 15 | LEAST-CONGESTED ROUTE ESTIMATION USING GPS EQUIPPED VEHICLES IN URBAN ROADNETWORKS | Prof. D. N. Rewadkar Tuhina Dixit | International Journal of Computer Engineering and Technology (IJCET), | Volume 5, Issue 4,April (2014), pp. 86-9 | ISSN 0976-6367(Print), ISSN 0976 -6375(Online), |
| 16 | Different Approaches for Peer-to-Peer Based DecentralizedService Discovery | D.N.Rewadkar, Yogini Bhamare | International Journal of Advanced Research in Computer Science and Software Engineering. (IJARCSSE) | Volume 3, Issue 11,November 2013 Page:24-28 | ISSN: 2277 128X |
| 17 | An efficient Routing Approach for in-network aggregation in wireless sensornetworks | D.N.Rewadkar, Priti Mithari | International Journal Of Science and research(IJSR) | Volume 2 Issue 11,November 2013285-288 | ISSN:2319 - 7064 |
| 18 | A Survey on Vehicle Classification and Detection Methods | D.N.Rewadkar, Nilima Chokhar | International Journal of Advance Research(IJOAR) | Volume 1, Issue 10,October2013, 1-8 | ISSN 2320-9194 |
| 19 | Spontaneous Wireless Ad Hoc Networking: A Review | D.N.Rewadkar, Smita Karve | International Journal of Advanced Research in Computer Science and Software Engineering. (IJARCSSE) | Volume 3, Issue 11,November 2013 Page:378-382 | ISSN: 2277 128X |
| 20 | Secure Cloud Storage System Incorporating Privacy-PreservingThird Party Audit | Suchita Ghatage D.N.Rewadkar, | International Journal of Advanced Research in Computer Science and Software Engineering.(IJARCSSE) | Volume 3, Issue 11November 2013 Page:126-129 | ISSN: 2277 128X |
| 21 | Hierarchical CP- ASBE Scheme in Cloud Computing for fine-Grained Access Control with Scalabilityand Flexibility | Vishakha Dhumal D.N.Rewadkar, | International Journal of Advanced Research in Computer Science and Software Engineering. (IJARCSSE) | Volume 3, Issue 11 Page:121-125 | ISSN: 2277 128X |

1. **Conference Paper :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.No** | **Title** | **Author** | **Conference** | **Details** |
| 1 | An adaptive routing algorithm using dynamic TTL for data aggregation in Wireless SensorNetwork | D. N. Rewadkar ; Mithari Priti Madhukar | [Second International](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding) [Conference on Current](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding) [Trends In Engineering](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding) [and Technology -](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding) [ICCTET 2014](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding)Coimbatore | 8-8 July 2014| Conference Paper | Publisher: IEEE |
| 2 | Vehicle tracking and positioning inGSM network using optimized SVM model | D. N. Rewadkar ; Chetan NimbaAher | [Second International](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding) [Conference on Current](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding)[Trends In Engineering](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding) [and Technology -](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding) [ICCTET 2014](https://ieeexplore.ieee.org/xpl/conhome/6948974/proceeding)Coimbatore | 8-8 July 2014| ConferencePaper | Publisher: IEEE |
| 3 | Cloud storage system enabling secure privacy preserving third party audit | D. N. Rewadkar ; Suchita Y. Ghatage | 2014 International Conference on Control, Instrumentation, Communication and Computational Technologies(ICCICCT)Kanyakumari | 10-11 July 2014| Conference Paper | Publisher: IEEE |
| 4 | Energy efficient self configured secure protocol (EESCSP) forwireless spontaneous ad-hoc network | D. N. Rewadkar ; Smita B. Karve | 2014 International Conference on Control, Instrumentation, Communication and Computational Technologies(ICCICCT)Kanyakumari | 10-11 July 2014| Conference Paper | Publisher: IEEE |

1. **List of ISTE/QIP/Short term courses attended:**
	* “Training Programme on e-Governance for Institutional Development” held from 28/03/2019 to 30/03/2019 at Yashwantrao Chavan Academy of Development Administration Pune(M.S.).
	* “MCSR and Workplace Culture” held from 26/02/2019 to 02/03/2019 Approved and Sponsored by DTE Maharashtra and organised by Department of Computer Enginnering, Government Polytechnic Pune.
	* “Workshop for in-plant training course Detaining and Other remaining course” held from 10/09/2018 to 12/09/2018 and organised by NITTTR, Regional Centre Pune.
	* “Training on Information Security” held from 03/05/2018 to 05/05/2018 at Yashwantrao Chavan Academy of Development Administration Pune(M.S.).
	* “Training on Online Serivices of Government” held from 18/12/2017 to 20/12/2017 at Yashwantrao Chavan Academy of Development Administration Pune(M.S.).
	* Workshop on “Editing and Validation of Lab Instruction and Question Paper for Semester II” held from 04/09/2017 to 08/09/2017 organised by NITTTR, Regional Centre Pune.
	* Workshop on “Design and Development of Lab Instruction and Question Paper for Semester II” held from 03/07/2017 to 07/07/2017 organised by NITTTR, Regional Centre Pune.
	* “Orientation Training on e-Governanc Project Life Cycle” held from 17/10/2016 to 19/10/2016 at Yashwantrao Chavan Academy of Development Administration Pune(M.S.).
	* “Final Course Detailing Workshop for 1 Group Programmes for 2nd Semester” held from 03/08/2016 to 05/08/2016 organised by NITTTR, Regional Centre Pune.
	* “First Course Detailing Workshop fof 1 Group Programme ,2nd Semester” held from 30/08/2016 to 01/09/2016 organised by NITTTR, Regional Centre Pune.
	* “STP: Foundation Training programme for Class-I Officers of Higher & Technical Education Department” held from 01/06/2016 to 12/07/2016 at Yashwantrao Chavan Academy of Development Administration Pune(M.S.).
	* “Programme Structure Finalization : Second Workshop for 1st & 2nd Group” held from 30/05/2016 to 31/05/2016 and organised by NITTTR, Regional Centre Pune.
	* “MSBTE CRP Draft-I Programme Structuring Workshop”” held from 28/03/2016 to 30/03/2016 and organised by NITTTR, Regional Centre Pune.
	* “Institutional Preparation for Accreditation & Academic Audit” held from 01/02/2016 to 05/02/2016 and organised by NITTTR, Regional Centre Pune.
	* Workshop on “Management of Change and Innovation” held from 18/01/2016 to 22/01/2016 and organised by NITTTR, Regional Centre Pune.
	* “People Management and Team Building” held from 21/09/2016 to 25/09/2016 and organised by NITTTR, Regional Centre Pune.
	* “Leadership Development” held from 07/09/2016 to 11/09/2016 and organised by NITTTR, Regional Centre Pune.
	* Two week refresher course on “Advance Database Systems” sponsored by MHRD, Govt. of India and organised by the Department of Computer Science and Engineering, National Institute of Technology,Warangal during 15-27 June,2009.
	* Four weeks short term course on Java and Internet Programming organised by Department of Computer Science and Engineering, Indian Institute of Technology, Kanpur during 15th May-10th June,2000.

# List of ISTE/QIP/Short term courses Co-ordinated:

* + One Week Faculty development Program on”Cloud Computing” organised for Computer Engineering faculty members of Savitribai Phule Pune University, Pune from 16/11/2011 to 20/11/2011at Sinhgad Institute of Technology & Science, Pune.
	+ One Week Faculty development Program on”Oracle &

Advance .net” organised for Computer Engineering faculty members of Savitribai Phule Pune University, Pune from 15/01/2011 to 19/01/2011at Sinhgad Institute of Technology & Science, Pune.

# Subjects Taught at Diploma, Undergraduate and Post Graduate level:

|  |  |
| --- | --- |
| * Computer Networks
* Network Security
* System Programming
* Operating System
* Data structures
* Unix Operating system
* Computer Organisation
* Advance Computer Networks
* Management
* Enterprise resource planning (ERP)
* Java Programming
 | * C++ Programming
* C Programming
* Object Oriented Analysis and Design
 |