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.

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# 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 1  Issue 1  Pages 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 1  Issue 1  Pages 36-42 | |  |  | | --- | --- | | ISSN **1229-2370** | **1229-2370** | |
| 3 | Multi-objective auto-regressive whale optimisation for traffic-aware routing in urban  VANET | Deepak Rewadkar ; Dharmpal Doye | IET Information Security | Volume 12, Issue 4,  p. 293 – 304,  July 2018 | Print ISSN 1751-  8709, Online  ISSN 1751-8717 |
| 4 | FGWSO‐TAR:  Fractional glowworm swarm optimization for traffic aware routing in urban  VANET | 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 Urban  VANET | Deepak  Rewadkar ; Dharmpal Doye | International Journal of  Computer Sciences and Engineering | Volume-6, Issue-3  30 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 and  Communication Engineering | Vol. 3, Issue 7, July  2015 | ISSN(Online): 2320-9801  ISSN (Print): 2320-9798 |
| 7 | Flexible Deterministic Packet Market: An IP Traceback  Scheme | 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 on  Visual  Cryptography | 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 Hacking  Using Trusted  Graphs | 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 Android  Applications | 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 on  Amazon EC2  cloud | 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 State  Estimation | D.N.Rewadkar, Tuhina Dixit | International Journal of Emerging Technology and Advanced Engineering(IJETAE) | Volume 3, Issue 10,  October 2013  Pages 369-373 | ISSN:2250-2459 |
| 15 | LEAST-CONGESTED ROUTE ESTIMATION USING GPS EQUIPPED VEHICLES IN URBAN ROAD  NETWORKS | 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 Decentralized  Service 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 sensor  networks | D.N.Rewadkar, Priti Mithari | International Journal Of Science and research(IJSR) | Volume 2 Issue 11,  November 2013  285-288 | 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-Preserving  Third Party Audit | Suchita Ghatage D.N.Rewadkar, | International Journal of Advanced Research in Computer Science and Software Engineering.  (IJARCSSE) | Volume 3, Issue 11  November 2013 Page:126-129 | ISSN: 2277 128X |
| 21 | Hierarchical CP- ASBE Scheme in Cloud Computing for fine-Grained Access Control with Scalability  and 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 Sensor  Network | 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 in  GSM network using optimized SVM model | D. N. Rewadkar ; Chetan Nimba  Aher | [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 |
| 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) for  wireless 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:

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| * 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 |