

Research Work for Doctor of Science (D.Sc.) Degree

## *Digital Forensics or Cyber Forensics My Contribution*

*When I entered in the field of Computers, the first surprise was “Virus”. I had devoted lot of time to study the intricacies of this field. Later on I found that the Big Brother of Virus is Cyber Threats and attracted towards this multidisciplinary challenging subject. I have done lot of research work in the field of Digital Forensics or Cyber Forensics.*

*It includes Forensics of Computer, Mobile, Database, Device, Network, Multimedia (audio, video and image), Cloud, Internet, Application, Data Visualization, P2P, Operating System, Disk, GPS, MANET & VANET, Data Mining Techniques, Email, Live Memory Forensics, etc.*

*It involves most of the fields of Computer Science like Computer Networks, VOIP, Web Technology, DBMS, Data Mining, Image Processing, Computer Graphics, Pattern Recognition, Computer Vision, Data Visualization, Statistical Pattern Recognition, Signal Processing, Artificial Intelligence, Expert Systems, Data Mining, Natural Language Processing, Artificial Neural Network, Soft Computing, Machine Learning, DSS, Operating Systems, Cryptography, Steganography, GPS,, Fuzzy Logic, Digital Right Management etc.*

*Today, it's the most challenging and innovative subject of National Interest.*

## Contents

<b>1. Phd Awarded / Guided</b> .....	1
<b>2. Guided MTech or MPhil Thesis</b> .....	1
<b>3. Books</b> .....	2
<b>4. My Research Papers in the Field of Digital Forensics</b> .....	2
4.1. International Journal Research Papers (67).....	2
4.2. International Conference Research Papers (29).....	8
4.3. National Conference Research Papers (24).....	11

## 1. PhD Awarded / Guided

SN	PhD Scholars	Title of Thesis	Awarded or Thesis Submitted
1.	Dr. Syed Rizwan Ahmed, Vice President of Technology, delaPlex Software IDC ( <a href="http://www.delaplex.com">www.delaplex.com</a> ), Atlanta, GA, USA (India Development Center, Nagpur)	“Design and Analysis of Efficient Forensics Framework for Mobile Devices”	<b>Awarded</b> on 30 Oct 2016 by RTM Nagpur University
2.	Dr. Anil Warbhe, Assistant Professor, MIET, Gondia	"Implementation of Improved Forgery Detection Methods for Image Authentication in Digital Image Forensics",	<b>Awarded</b> on 13 Feb 2017 by SGB Amravati University
3.	S. M. Nirkhi, Assistant Professor, RKNEC, Nagpur	“Analysis and Design of Data Mining Techniques for Digital Forensics”	<b>Awarded</b> on 7 Sept 2017 by RTM Nagpur University
<b>PhD Guiding: (4)</b>			
4.	Mr. Nishikant Khaire, Associate Professor and Head, Deptt. of Information Technology, Datta Meghe College of Engineering, Mumbai	“Analysis and Design of Efficient Techniques Using Data Mining, Visualization and Soft Computing for Network Forensics”	
5.	Ms. Sulabha Vilas Patil, Abha Gaikwad Patil College of Engineering, Nagpur	“Analysis and Design of the Digital Forensics Techniques for Cloud Computing”	
6.	Ms. Bhagyashree Gadekar, PICT, Nagpur	“A Scheme for Event Based Digital Forensics in Vehicular Ad-hoc Networks (VANET)”	
7.	Mr. Manish Bhagwani, CIT, Rajnandgoan	“Designing Digital Forensics Framework for Compromised Databases”	

## 2. Guided MTech or MPhil Thesis

I have guided few **MTech projects** on this topic.

- Mr. Syed Rizwan Ahmed, “MFL3G: Mobile Forensics Library for digital analysis and reporting of mobile devices for collecting digital evidence”
- Ms. Nivedita S. Naidu, “An Effective Approach to Network Intrusion Detection System using Genetic Algorithm”, (Guided for one year i.e. till 13 March 2011)
- Ms. Sulbha S. Deshpande, “Mining User Groups based on GSM Mobile Data Logs” (Guided for one year i.e. till 13 March 2011)
- Ms. Veena K. Katankar, “Implementation of Web Service on SMS Gateway for Security Enhancement”
- Mr. Akshay Zadgaonkar, “P2P and Digital Forensics”, (Guided for one year i.e. till 13 March 2011)
- Kushbu Thakkar, “Text Categorization for Digital Forensic”
- Ashwini D. Gawande, “Analysis And Study Of Cyber Crime, Cyber Laws In Making More Effective Cyber Security”, (M.Phil. Thesis)
- Prafull S. Mankar, “Some Improvements for Computer Password Security”, (M.Phil. Thesis)

### 3. Books

The 800 pages book Covers Multidisciplinary areas of Digital Forensics namely “Complexities of Cyber or Digital Forensics”. (Releasing soon)

### 4. My Research Papers in the Field of Digital Forensics

I have published or presented total **367** research papers. The **Digital Forensics** related research papers (**total 120**) are as follows:

- Journal: 67
- International Conference: 29
- National Conference: 24

#### 4.1. International Journal Research Papers (67)

Rizwan Ahmed

1. Rizwan Ahmed, Dharaskar R. V., “Mobile Forensics: the roadblocks ahead, proposed solution using Protocol Filtering and SIM programming”, International Journal of Computer Science & Applications (IJCSA), Vol. 2(2) pp. 109-116, 2009, ISSN: 0974-1003, [https://www.academia.edu/2388659/Mobile\\_Forensics\\_the\\_roadblocks\\_ahead\\_proposed\\_solutions\\_using\\_Protocol\\_Filtering\\_and\\_SIM\\_programming](https://www.academia.edu/2388659/Mobile_Forensics_the_roadblocks_ahead_proposed_solutions_using_Protocol_Filtering_and_SIM_programming) , **Google Scholar Citation: 06**
2. Rizwan Ahmed, Dr. R. V. Dharaskar, “Study of Mobile Botnets: An Analysis from the Perspective of Efficient Generalized Forensics Framework for Mobile Devices”, National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2012), Proceedings published by International Journal of Computer Applications (IJCA), pp. 5-8, <http://www.ijcaonline.org/proceedings/ncipet/number15/5302-1114> , <http://research.ijcaonline.org/ncipet/number15/ncipet1114.pdf> , **Google Scholar Citation: 11**
3. Rizwan Ahmed, Dr. R. V. Dharaskar, “Study of Cryptographic Hashing: An Analysis from the Perspective of Developing Efficient Generalized Forensics Framework for Mobile Devices”, International Journal of Innovative Research in Science and Techniques (IJIRST), Vol. 3(1), pp. 5-9, 2012, [https://www.researchgate.net/publication/306289601\\_STUDY\\_OF\\_CRYPTOGRAPHIC\\_HASHING\\_AN\\_ANALYSIS\\_FROM\\_THE\\_PERSPECTIVE\\_OF\\_DEVELOPING\\_EFFICIENT\\_GENERALIZED\\_FORENSICS\\_FRAMEWORK\\_FOR\\_THE\\_MOBILE\\_DEVICES](https://www.researchgate.net/publication/306289601_STUDY_OF_CRYPTOGRAPHIC_HASHING_AN_ANALYSIS_FROM_THE_PERSPECTIVE_OF_DEVELOPING_EFFICIENT_GENERALIZED_FORENSICS_FRAMEWORK_FOR_THE_MOBILE_DEVICES) , [https://www.academia.edu/9466963/STUDY\\_OF\\_CRYPTOGRAPHIC\\_HASHING\\_AN\\_ANALYSIS\\_FROM\\_THE\\_PERSPECTIVE\\_OF\\_DEVELOPING\\_EFFICIENT\\_GENERALIZED\\_FORENSICS\\_FRAMEWORK\\_FOR\\_THE\\_MOBILE\\_DEVICES](https://www.academia.edu/9466963/STUDY_OF_CRYPTOGRAPHIC_HASHING_AN_ANALYSIS_FROM_THE_PERSPECTIVE_OF_DEVELOPING_EFFICIENT_GENERALIZED_FORENSICS_FRAMEWORK_FOR_THE_MOBILE_DEVICES) , **Google Scholar Citations: 01**
4. Rizwan Ahmed, Dr. Rajiv V. Dharaskar, Dr. Vilas M. Thakare, “Digital evidence extraction and documentation from mobile devices”, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), Vol. 2(1), 2013, [http://www.ijarcce.com/upload/january/25\\_Digital%20evidence%20extraction.pdf](http://www.ijarcce.com/upload/january/25_Digital%20evidence%20extraction.pdf) , **Google Scholar Citation: 05**
5. Rizwan Ahmed, Dr. Rajiv V. Dharaskar, Dr. Vilas M. Thakare, “Efficient Generalized Forensics Framework for extraction and documentation of evidence from mobile devices”, International Journal of Enhanced Research in Management & Computer Applications (IJERMCA), Vol. 2(1), 2013, <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.379.1497&rep=rep1&type=pdf> , **Google Scholar Citation: 03**
6. Rizwan Ahmed, Dr. Rajiv V. Dharaskar, Dr. Vilas M. Thakare, “Forensic Preservation of Digital Evidence on Mobile Devices from the Perspective of Efficient Generalized Forensics Framework for Mobile Devices (EGFFMD)”, International Journal of Advanced Research in Computer Science (IJARCS), Vol. 5(4), pp. 214-218, 2014, [https://www.researchgate.net/publication/306290356\\_Forensic\\_Presevation\\_of\\_Digital\\_Evidence\\_on\\_Mobile](https://www.researchgate.net/publication/306290356_Forensic_Presevation_of_Digital_Evidence_on_Mobile)

[Devices from the Perspective of Efficient Generalized Forensics Framework for Mobile Devices EG FFMD](#) , Google Scholar Citations:02

Nivedita Naidu

7. Nivedita Naidu, Dharaskar R V, "An Effective Approach to Network Intrusion Detection System using Genetic Algorithm", International Journal of Computer Applications (IJCA), Vol.(2), pp. 26-32, 2009, DOI:10.5120/89-188, [https://www.researchgate.net/publication/43655910\\_An\\_Effective\\_Approach\\_to\\_Network\\_Intrusion\\_Detection\\_System\\_using\\_Genetic\\_Algorithm](https://www.researchgate.net/publication/43655910_An_Effective_Approach_to_Network_Intrusion_Detection_System_using_Genetic_Algorithm) , **Google Scholar Citation: 16**
- M. B. Chandak
8. Nisha Lalwani, M. B. Chandak, R. V. Dharaskar, "Split Personality Malware: A Security Threat", National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2012), Proceedings published by International Journal of Computer Applications (IJCA) pp. 23-26, <http://research.ijcaonline.org/ncipet/number14/ncipet1109.pdf> , Google Scholar Citations: 2
- U. S. Junghare
9. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, Dr. S. S. Sherekar, "Analysis of Information Visualization Techniques for Abstract Data on Mobile Devices", International Journals of Computer Science and Application (IJCSA), Vol. 4 (1), pp 31-38, April-May 2011, ISSN: 0974-1003, <http://www.researchpublications.org/IJCSA/issue8/2011-IJCSA-133.pdf>
10. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, Dr. S. S. Sherekar, "Technical Analysis of Remote 3D Visualization on Mobile Devices", International Journal of Computer Science and Information Technology (IJCSIT), Vol. 3(6), pp 99-118, Dec 2011, ISSN-0975-4660, <http://airccse.org/journal/jcsit/1211csit08.pdf> , Google Scholar Citation: 02
11. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, "Review Based Comparative Study of Visualization Techniques for Learning on Mobile Devices", National Conference on Emerging Trends in Biological and Information Sciences 2011 (NCETBIS-2011), Swami Vivekanand Mahavidyalaya, Udgir, Maharashtra, India, pp. 185-189, 4-5 March 2011, Published in International Journal BIOINFO Optimization Theory and Applications, Vol. 1 (1), pp 06-10, 15 Dec. 2011, EBSCO Publishing, USA, [https://bioinfopublication.org/files/articles/1\\_1\\_2\\_BOTA.pdf](https://bioinfopublication.org/files/articles/1_1_2_BOTA.pdf) , [http://www.academia.edu/3021086/Review\\_based\\_comparative\\_study\\_of\\_visualization\\_techniques\\_for\\_learning\\_on\\_mobile\\_devices](http://www.academia.edu/3021086/Review_based_comparative_study_of_visualization_techniques_for_learning_on_mobile_devices) , **Google Scholar Citation: 05**
12. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, "Mobile based Tools and Techniques for 3D Visualization", 2<sup>nd</sup> National Conference on Information and Communication Technology (NCICT) 2011, Proceedings published in International Journal of Computer Applications (IJCA), pp. 1-3, 2011, <http://research.ijcaonline.org/ncict/number2/ncict009.pdf>
13. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, "Compression Techniques for remote Visualization on Mobile Platforms", National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2012), Proceedings published by International Journal of Computer Applications (IJCA), pp. 32-35, <http://research.ijcaonline.org/ncipet/number10/ncipet1080.pdf> , Google Scholar Citations: 1
14. U. S. Junghare, V. M. Thakare, R. V. Dharaskar, "Novel 3D Visualization Techniques for Image Data on Mobile Devices", National Conference on Innovative Paradigms in Engineering & Technology NCIPET2013, Proceedings published in International Journal of Computer Applications (IJCA), pp. 31-34, Feb 2013, <https://pdfs.semanticscholar.org/7ba3/8fdc4077eaf9a42d1e0d24d24c9370d51742.pdf> , <https://pdfs.semanticscholar.org/8719/69b6443fe719ae682547e0f140bd32a12b45.pdf>
15. U. S. Junghare, V. M. Thakare, S. S. Sherekar, R. V. Dharaskar, "An Interactive Approach for Local and Remote 3D Visualization on Mobile Devices", Recent Trends in Computing (NCRTC), MPGI National Multi Conference 2012 (MPGINMC-2012), 7-8 April 2012, Proceedings published by International Journal of Computer Applications (IJCA), pp. 28-32, 2012, <http://research.ijcaonline.org/ncrtc/number1/mpginmc1007.pdf>
16. Junghare, U. S.; Thakare, V. M.; Dharaskar, R. V, "Efficient And Effective 3d Visualization Techniques For Rendering On Mobile Devices", 2nd International Conference on Communication, Computation, Management & Nanotechnology (ICN-2011), Bhalki, Karnataka, pp. 09-13, 23-25 Sept 2011, Selected paper published in World Journal of Science & Technology (WJST), Vol. 1(12), pp. 84-88, 2011, ISSN 2231-2587, <http://connection.ebscohost.com/c/articles/79966274/efficient-effective-3d-visualization-techniques-rendering-mobile-devices> , [https://www.academia.edu/3021093/Efficient\\_and\\_Effective\\_3D\\_Visualization\\_Techniques\\_for\\_Rendering\\_on\\_Mobile\\_Devices](https://www.academia.edu/3021093/Efficient_and_Effective_3D_Visualization_Techniques_for_Rendering_on_Mobile_Devices)

17. Junghare, U. S.; Thakare, V. M.; Dharaskar, R. V., "Visualization of Huge Database In Forensic Process: An Analytical Study", International Conference on Recent Trends in Science & Technology ICRTST 2018, 23 March 2018, Aayushi International Interdisciplinary Research Journal (AIIRJ), Special Issue No. 25, pp. 2233-2237, ISSN 2349-638x, [http://www.aiirjournal.com/uploads/Articles/1523171342INTERNATIONAL%20CONFERENCE%20ON%20RECENT%20TRENDS%20IN%20SCIENCE%20AND%20TECHNOLOGY%2022ND%20AND%2023%20RD%20MARCH%202018%20\(Part%201-%20Life%20Science\).pdf](http://www.aiirjournal.com/uploads/Articles/1523171342INTERNATIONAL%20CONFERENCE%20ON%20RECENT%20TRENDS%20IN%20SCIENCE%20AND%20TECHNOLOGY%2022ND%20AND%2023%20RD%20MARCH%202018%20(Part%201-%20Life%20Science).pdf)
- Anil Warbhe
18. Anil Dada Warbhe, R V Dharaskar, "Blind Method for Image Forgery Detection: A tool for Digital Image Forensics", National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2012), Proceedings published by International Journal of Computer Applications (IJCA), pp. 37-40, 2012 <http://research.ijcaonline.org/ncipet/number11/ncipet1088.pdf> , **Google Scholar Citation: 03**
19. Anil Dada Warbhe, RV Dharaskar, "Survey on Pixel and Format Based Image Forgery Detection Techniques", Recent Trends in Computing (NCRTC), MPGI National Multi Conference 2012 (MPGINMC-2012) 7-8 April, 2012, Proceedings published by International Journal of Computer Applications (IJCA), pp.18-22, <http://research.ijcaonline.org/ncrtc/number6/mpginmc1046.pdf>
20. Anil Dada Warbhe, R. V. Dharaskar, "An Active Approach based on Independent Component Analysis for Digital Image Forensics", International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 6 (3) , April 2015, pp. 2201-2203, <http://www.ijcsit.com/docs/Volume%206/vol6issue03/ijcsit2015060350.pdf> , Google Scholar Citation: 02
21. Anil Warbhe, R. V. Dharaskar, V. M. Thakare, "Block Based Image Forgery Detection Techniques", International Journal of Engineering Sciences & Research Technology (IJESRT), Vol. 4(8), August, 2015, ISSN: 2277-9655, [http://www.ijesrt.com/issues%20pdf%20file/Archives-2015/August-2015/56\\_BLOCK%20BASED%20IMAGE%20FORGERY%20DETECTION%20TECHNIQUES.pdf](http://www.ijesrt.com/issues%20pdf%20file/Archives-2015/August-2015/56_BLOCK%20BASED%20IMAGE%20FORGERY%20DETECTION%20TECHNIQUES.pdf) , **Google Scholar Citation: 07**
22. Anil Warbhe, R. V. Dharaskar, V. M. Thakare, "Digital Image Forensics Using Non-Linear Dimensionality Reduction Technique", International Journal of Advanced Computational Engineering and Networking (IJACEN), ISSN: 2320-2106, Vol. 3(12), pp. 9-12, Dec 2015, [http://www.iraj.in/journal/journal\\_file/journal\\_pdf/3-207-14501798189-12.pdf](http://www.iraj.in/journal/journal_file/journal_pdf/3-207-14501798189-12.pdf)
23. Anil Warbhe, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "A Scaling Robust Copy-Paste Tampering Detection for Digital Image Forensics", 7th International Conference on Communication, Computing and Virtualization 2016, **Procedia Computer Science Journal by Elsevier** , 79 (2016), pp. 458 – 465, ISSN 1877-0509, [http://ac.els-cdn.com/S1877050916001903/1-s2.0-S1877050916001903-main.pdf?\\_tid=48a5f156-49d3-11e7-a380-00000aab0f27&acdnat=1496655926\\_8c6b86aa6cf6f67257be8bdcd8df00fc](http://ac.els-cdn.com/S1877050916001903/1-s2.0-S1877050916001903-main.pdf?_tid=48a5f156-49d3-11e7-a380-00000aab0f27&acdnat=1496655926_8c6b86aa6cf6f67257be8bdcd8df00fc) , **Google Scholar Citation: 04, Scopus Citation: 4**
24. Anil Dada Warbhe, Rajiv V. Dharaskar, Vilas M. Thakare, "A Scale Invariant Digital Image Copy-Paste Forgery Detection Approach Based on NCC", International Conference on Communication, Computing and Virtualization 2016, Published by International Journal of Computer Applications (IJCA), pp, 17-23, <http://research.ijcaonline.org/icccv2016/number2/icccv20178.pdf> , <https://pdfs.semanticscholar.org/87aa/9a017397e53c74fa37324d25fee0c730fafc.pdf> , <https://pdfs.semanticscholar.org/fd8a/0e3b23981869e978ed5adec6a80ba596ee0d.pdf>
25. Anil Warbhe, R. V. Dharaskar, V. M. Thakare, "A survey on Keypoint based methodologies for Copy-Move Forgery Detection in Digital Images", 1st International Conference on Information Security & Privacy, (ICISP 2015), GHRCE, Nagpur, 25-26 Nov 2015, Published by **Procedia Computer Science Journal by Elsevier** , Volume 78, 2016, Pages 61-67, ISSN 1877-0509, <https://www.sciencedirect.com/science/article/pii/S1877050916000132> , [https://ac.els-cdn.com/S1877050916000132/1-s2.0-S1877050916000132-main.pdf?\\_tid=bce60d0d-89d6-405c-b98c-c1727a6b20fb&acdnat=1522091389\\_11df83592180f95dd1cb547f9d0971a5](https://ac.els-cdn.com/S1877050916000132/1-s2.0-S1877050916000132-main.pdf?_tid=bce60d0d-89d6-405c-b98c-c1727a6b20fb&acdnat=1522091389_11df83592180f95dd1cb547f9d0971a5) , **Google Scholar Citation: 10, Scopus Citation: 5**
26. Anil Warbhe, R. V. Dharaskar, V. M. Thakare, "Computationally Efficient Digital Image Forensic Method for Image Authentication", 1st International Conference on Information Security & Privacy, (ICISP 2015), GHRCE, Nagpur, 25-26 Nov 2015, Published at **Procedia Computer Science by Elsevier** , Volume 78, 2016, pp. 464-470, ISSN 1877-0509, <https://www.sciencedirect.com/science/article/pii/S1877050916000910> , Google Scholar Citation: 01, **Scopus Citation: 1**

Smita Nirkhi

27. Ms. Smita Nirkhi, Dr. R.V. Dharaskar, “Comparative study of Authorship Identification Techniques for Cyber Forensics Analysis”, International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 4(5), pp. 32-35, April 2013, <http://arxiv.org/ftp/arxiv/papers/1401/1401.6118.pdf> , **Google Scholar Citation: 16**
  28. Ms. Smita Nirkhi, Dr. R.V. Dharaskar, Dr. V.M. Thakare, “Data Mining: A prospective approach for Digital forensics”, International journal of Data Mining & Knowledge Management Process (IJDMP), Vol. 2(6), November 2012, <http://airconline.com/ijdkp/V2N6/2612ijdkp04.pdf> , **Google Scholar Citation: 08**
  29. S. M. Nirkhi, R.V. Dharaskar and V.M. Thakare, “Stylometric Approach for Author Identification of Online Messages”, International Journal of Computer Science and Information Technologies (IJCSIT), Vol.5(5), pp. 6158-6159, 2014, <http://www.ijcsit.com/docs/Volume%205/vol5issue05/ijcsit2014050536.pdf>
  30. S. M. Nirkhi, R.V. Dharaskar and V.M. Thakare, “Authorship Identification in Digital Forensics using Machine Learning Approach”, International Journal of Latest Trends in Engineering and Technology (IJLTET), Vol. 5(1), pp. 369-372, January 2015, ISSN: 2278-621X, <http://ijltet.org/wp-content/uploads/2015/01/54.pdf> , Google Scholar Citation: 02
  31. Smita Nirkhi, R. V. Dharaskar and V. M. Thakare, “Authorship Identification using Generalized Features and Analysis of Computational Method”, Transactions on Machine Learning and Artificial Intelligence, Society for Science & Education (UK), Vol. 3(2), pp. 41-45, April 2015, <http://scholarpublishing.org/index.php/TMLAI/article/view/1064> , <http://scholarpublishing.org/index.php/TMLAI/article/view/1064/629> , Google Scholar Citation: 01
  32. Sobiya R. Khan, Smita M. Nirkhi, Dr. R. V. Dharaskar, “E-mail Data Analysis for Application to Cyber Forensic Investigation Using Data Mining”, National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2013), International Journal of Applied Information Systems (IJASIS), ISSN : 2249-0868, Foundation of Computer Science FCS, New York, USA, <http://research.ijas.org/ncipet/number3/ncipet1364.pdf> , Google Scholar Citation: 02
  33. Sobiya R. Khan, Smita M. Nirkhi, R. V. Dharaskar, “Author Identification for E-mail Forensic”, Recent Trends in Computing (NCRTC), MPGI National Multi Conference 2012 (MPGINMC-2012) 7-8 April, 2012, Proceedings published by International Journal of Computer Applications (IJCA), pp.29-32, <http://research.ijcaonline.org/ncrtc/number2/mpginmc1016.pdf> , **Google Scholar Citation: 08**
  34. Sobiya R. Khan, Smita M. Nirkhi, R. V. Dharaskar, “Mining E-mail for Cyber Forensic Investigation”, International Conference on Advances in Computer, Electronics and Electrical Engineering, ICACEEE-2012, International Journal of Computer Science and its Applications (UACEE), Vol. 2(2), pp. 112-116, <https://pdfs.semanticscholar.org/723c/4e84b4491ddc618ab1eca17d1b8bec1a80e5.pdf> , [https://www.researchgate.net/publication/289433389\\_Mining\\_E-mail\\_Content\\_for\\_Cyber\\_Forensic\\_Investigation](https://www.researchgate.net/publication/289433389_Mining_E-mail_Content_for_Cyber_Forensic_Investigation) , Google Scholar Citation: 01
  35. S Parate, SM Nirkhi, RV Dharaskar, “Application of Network Forensics for Detection of Web Attack using Neural Network”, National Conference on Innovative Paradigms in Engineering & Technology 2013 (NCIPET 2013), International Journal of Computer Applications (IJCA), pp. 28-31, <http://research.ijcaonline.org/ncipet2013/number2/ncipet1332.pdf> , **Google Scholar Citation: 03**
  36. Smita Nirkhi, Dr. R. V. Dharaskar, Dr. V. M. Thakare, “An Experimental Study on Authorship Identification for Cyber Forensics”, International Journal of Computer Science And Network (IJCSN), Vol. 4(5), pp. 756-760, Oct 2015, <http://ijcsn.org/IJCSN-2015/4-5/An-Experimental-Study-on-Authorship-Identification-for-Cyber-Forensics.pdf>
  37. Mr. Sushilkumar Chavhan, Smita M. Nirkhi, Dr. R. V. Dharaskar, “Host-based Anomaly Detection in Digital forensics Using Self-Organizing Maps”, National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2013), International Journal of Computer Applications (IJCA), pp. 24-27, <http://www.ijcaonline.org/proceedings/ncipet2013/number2/14705-1331> , <https://pdfs.semanticscholar.org/b2c3/e950a3ffb836512bc68f25285f6d17a74990.pdf>
  38. Smita Nirkhi, Dr. R. V. Dharaskar, Dr. V. M. Thakare, “Authorship Verification of Online Messages For Forensic Investigation”, 1st International Conference on Information Security and Privacy (ICISP 2015), GHRCE, Nagpur, 25-26 Nov 2015, Technical Sponsored by **Elsevier** and co-sponsor by **ACM**, Published in **Procedia Computer Science Journal by Elsevier** , Volume 78, 2016, pp. 640-645, ISSN 1877-0509, <https://www.sciencedirect.com/science/article/pii/S1877050916001137> , Google Scholar Citation: 01, Included in **Scopus** Profile
- Manish Bhagwani
39. Manish H. Bhagwani, Dr. R. V. Dharaskar, “Study of significance of Data Hiding and Data Finding Techniques from the context of Digital Forensics”, National Conference on Innovative Paradigms in Engineering &

- Technology (NCIPET-2013), International Journal of Applied Information Systems (IJ AIS), Foundation of Computer Science FCS New York USA, pp. 22-26, Feb 2013, ISSN: 2249-0868, <http://research.ijais.org/ncipet/number3/ncipet1375.pdf>.
40. Manish H Bhagwani, Rajiv V Dharaskar, V. M. Thakare, "Identifying the Places of Data Hiding and Ways of Digital Evidence Collection in Different Types of File Systems", International Journal of Advanced Research in Computer Science (IJARCS), Special Issue, Vol. 5(4), pp. 237-239, Apr 2014, <http://ijarcs.info/index.php/Ijarcs/article/download/2109/2097>, <http://ijarcs.info/index.php/Ijarcs/article/view/2109>.
41. Manish H Bhagwani, Rajiv V Dharaskar and V M Thakare, "Comparative Analysis of Database Forensic Algorithms", Proceedings on National Conference on Knowledge, Innovation in Technology and Engineering (NCKITE 2015) NCKITE 2015(3), International Journal of Computer Applications (IJCA), pp. 33-36, July 2015, <http://research.ijcaonline.org/nckite2015/number3/nckite2668.pdf>, [https://pdfs.semanticscholar.org/fbe5/45fa03e5c8741dc8d6aa48e6a3a741083ed0.pdf?\\_ga=2.38750048.21669029.1522805617-576097215.1522805617](https://pdfs.semanticscholar.org/fbe5/45fa03e5c8741dc8d6aa48e6a3a741083ed0.pdf?_ga=2.38750048.21669029.1522805617-576097215.1522805617).
42. Manish H. Bhagwani, Dr. R. V. Dharaskar, "Study of Table Relationship Analysis Techniques for Database Investigation", CIT International Journal of Engineering & Research (CIT-IJER), August-Nov 2012-2013, Vol. 3 (4), pp. 36-40, ISSN 2230-9144, [https://www.researchgate.net/publication/324418350\\_Study\\_of\\_Table\\_Relationship\\_Analysis\\_Techniques\\_for\\_Database\\_Investigation](https://www.researchgate.net/publication/324418350_Study_of_Table_Relationship_Analysis_Techniques_for_Database_Investigation)
- Bhagyashree Gadekar
43. Bhagyashree Gadekar, Dr. R. V. Dharaskar, Dr. V. M Thakare, "A Novel Architecture for Authentication and Secure Communication In VANET", International Journal of Engineering Trends And Technology (IJETT), Vol. 4(5), pp. 2059-2062, May 2013, <http://www.ijettjournal.org/volume-4/issue-5/IJETT-V4I5P145.pdf>
44. Bhagyashree Gadekar, Dr. R. V. Dharaskar, Dr. V. M Thakare, Komal Sharma, "Global Positioning System Forensics in Vehicular Ad-hoc Networks", Proceedings of 20<sup>th</sup> IRF International Conference, 22nd February 2015, Pune, India, ISBN: 978-93-84209-94-0, <http://digitalxplore.org/proceeding.php?pid=128>, [http://www.digitalxplore.org/up\\_proc/pdf/128-142529716925-30.pdf](http://www.digitalxplore.org/up_proc/pdf/128-142529716925-30.pdf), Published in International Journal of Advances in Electronics and Computer Science (IJAECS), Vol. 2(4), pp. 104-109, April 2015, ISSN: 2393-2835, [http://www.iraj.in/journal/journal\\_file/journal\\_pdf/12-127-1430132166104-109.pdf](http://www.iraj.in/journal/journal_file/journal_pdf/12-127-1430132166104-109.pdf)
- Sulabha Patil - Deshpande
45. Ms. Asmita Ballal, Ms. Sulabha Patil, Dr. R. V. Dharaskar, "Difficulty in analysis of data in cloud from forensic point of view", International Journal of Engineering Research and Technology (IJERT), Vol. 1(10), pp. 1-11, December 2012, ISSN 2278-0181, <https://www.ijert.org/browse/volume-1-2012/december-2012-edition?download=1880:difficulty-in-analysis-of-data-in-cloud-from-forensic-point-of-view&start=120>
46. Mr. Vijay Bagdi, Ms. Sulabha Patil, Dr. R. V. Dharaskar, "Analysis of Various CBIR Techniques for retrieving Forensically viable Information from the Images", International Journal of Engineering Research and Technology (IJERT), Vol. 2(1), pp. 1-4, Jan 2013, ISSN 2278-0181, <https://www.ijert.org/download/2103/analysis-of-various-cbir-techniques-for-retriving-forensically-viable-information-from-the-images>, Google Scholar Citation: 02
47. Vijay Bagdi, Sulabha Patil, Dr. R. V. Dharaskar, "Image Mining of Geotagged Images Extracted from Cloud for Prediction of Next Probable Location", International Organization of Scientific Research (IOSR) Journal of Engineering (IOSRJEN), Vol. 3(10), pp 19-24, October. 2013, ISSN: 2250-3021, [http://www.iosrjen.org/Papers/vol3\\_issue10%20\(part-3\)/D031031924.pdf](http://www.iosrjen.org/Papers/vol3_issue10%20(part-3)/D031031924.pdf)
48. Sulabha Patil, Uzma Ali, R.V. Dharaskar, "Design and Development of System for detection of security Breach in Cloud Environment", International Journal of Advance Research in Computer Science and Management Studies (IJARCSMS), Vol. 3(9), pp. 221-227, September 2015, ISSN: 2321-7782, <http://www.ijarcsms.com/docs/paper/volume3/issue9/V3I9-0052.pdf>
49. Mrunali Khedikar, Sulabha Patil, R.V. Dharaskar, "Review On Security Based On Multiple Cloud Computing", International Journal of Advanced Computational Engineering and Networking (IJACEN), Vol. 3(12), pp. 37-39, Dec 2015, ISSN: 2320-2106, [http://www.iraj.in/journal/journal\\_file/journal\\_pdf/3-207-145018098137-39.pdf](http://www.iraj.in/journal/journal_file/journal_pdf/3-207-145018098137-39.pdf)
50. Sonal Saokar, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "Design Framework of Digital Forensic For Cloud Computing: A Review", International Journal of Advanced Computational Engineering and Networking (IJACEN), Vol. 3(12), pp. 91-93, Dec 2015, ISSN: 2320-2106, [http://www.iraj.in/journal/journal\\_file/journal\\_pdf/3-207-145018377091-93.pdf](http://www.iraj.in/journal/journal_file/journal_pdf/3-207-145018377091-93.pdf)



51. Sulabha Patil, Rajeev Dharaskar, Vilas Thakare, "Digital Forensic Technique based on Exception Logs for Cloud", International Journal of Advances in Science, Engineering and Technology (IJASEAT), Vol.5(1), pp. 136-140, ISSN: 2321-9009, February 2017, [http://ijaseat.ijar.in/volume.php?volume\\_id=342](http://ijaseat.ijar.in/volume.php?volume_id=342) , [http://www.ijar.in/journal/journal\\_file/journal\\_pdf/6-342-1495448545136-140.pdf](http://www.ijar.in/journal/journal_file/journal_pdf/6-342-1495448545136-140.pdf)
  52. Mrunali Khedikar, Sulabha Patil, Rajiv Dharaskar, "Mash-Up in Multiple Cloud Computing with Security", International Journal of Computer Science and Network (IJCSN), Vol. 5(3), pp. 483-487, June 2016, ISSN 2277-5420, <http://ijcsn.org/IJCSN-2016/5-3/Mash-Up-in-Multiple-Cloud-Computing-with-Security.pdf>
  53. Ms. Asmita Ballal, Ms. Sulabha Patil, Dr. R.V. Dharaskar, "Location Based clustering of cloud datasets for Forensic Analysis", National Conference on Innovative Paradigms in Engineering and Technology (NCIPET-2013), 17 Feb 2013, International Journal of Computer Applications (IJCA), pp. 19-20, <http://research.ijcaonline.org/ncipet2013/number4/ncipet1357.pdf>
  54. Sulabha Patil, Rajiv Dharaskar, Vilas Thakare, "Digital Forensics Technique for Detection of Attack and Previous Data Restoration in Cloud Environment", International Journals of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Vol. 7(6), pp. 427-433, June 2017, [http://ijarcsse.com/docs/papers/Volume\\_7/6\\_June2017/V7I6-0125.pdf](http://ijarcsse.com/docs/papers/Volume_7/6_June2017/V7I6-0125.pdf)
  55. Sonal Saokar, Sulabha Patil, Rajiv Dharaskar, "Design of Digital Forensic Framework For Cloud Environment", Tech-Chronicle – An International E-Journal on Emerging Trends in Science, Technology and Management", Special Issue Tech-Ed 2016 (International Conference), pp. 36-38, ISSN: 2454-1958, <http://techchronicle.in/wp-content/uploads/2016/03/CSE-IT-MCA-TechEd-16.pdf>
  56. Mrunali Khedikar, Sulabha Patil, Rajiv Dharaskar, "Multi-Cloud Computing: To Enhance Service Availability and Security", Tech-Chronicle – An International E-Journal on Emerging Trends in Science, Technology and Management, Special Issue Tech-Ed 2016 (International Conference), pp. 102-105, ISSN: 2454-1958, <http://techchronicle.in/wp-content/uploads/2016/03/CSE-IT-MCA-TechEd-16.pdf>
- Smita V. Khangar
57. Smita V. Khangar, Rajiv V. Dharaskar, "Digital Forensic Investigation for Virtual Machines", International Journal of Modeling and Optimization (IJMO), Vol. 2(6), Dec 2012, [http://www.academia.edu/3021092/Digital\\_Forensic\\_Investigation\\_for\\_Virtual\\_Machines](http://www.academia.edu/3021092/Digital_Forensic_Investigation_for_Virtual_Machines), <http://www.ijmo.org/show-34-166-1.html> , Google Scholar Citation: 02
- Miss S.A. Ghorsad
58. Miss S.A. Ghorsad, Dr. P. P. Karde, Dr. V. M. Thakare, Dr. R.V Dharaskar , "DoS Attack Detection in Vehicular Ad-Hoc Network Using Malicious Node Detection Algorithm", International Conference on "Advances In Computing, Communication And Intelligence" ICACCI-2014 At Mauritius, Special Issue of International Journal of Electronics, Communication & Soft Computing Science and Engineering (IJECSCE), pp. 36-39, ISSN 2277-9477, <http://www.ijecscse.org/papers/Specialissue2014/9.pdf>
- Aditya O. Sable
59. Aditya O. Sable, Dr. Rajiv Dharaskar, Dr. V. M. Thakare, "Study of Efficient Protocol for Secured VANET With Distributed Networks", Special Issue of International Journal of Electronics, Communication and Soft Computing Science and Engineering (IJECSCE) (National Conference on "Advanced Technologies in Computing and Networking"- ATCON 2015), pp. 383-386, ISSN: 2277-9477, <http://www.ijecscse.org/papers/ATCON2015/OTH-17.pdf>
- Miss. W. S. Dharme
60. Miss W. S. Dharme, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "Authentication using LDAP in Wireless Body Area Network", International Journal of Engineering Technology Science and Research (IJETSR), Vol. 4(5), pp. 235-239, May 2017, [http://www.ijetsr.com/images/short\\_pdf/1495021634\\_nitttr909\\_ijetsr.pdf](http://www.ijetsr.com/images/short_pdf/1495021634_nitttr909_ijetsr.pdf)
  61. Miss W. S. Dharme, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "Secure and Efficient Extensible Authentication Protocol for Wireless Body Area Network", International Journal of Computer & Mathematical Sciences (IJCMS), Vol. 6(5), pp. 96-100, May 2017, <http://conferenceinfo.org/admin/resources/project/paper/f201705101494423331.pdf>
- Miss. Priya G. Tale
62. Miss. Priya G. Tale, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "Robust Watermarking of Relational Databases Based on Extension of Quantization Index Modulation to Circular Histograms", International Journal of Engineering Technology, Management and Applied Sciences (IJETMAS), Vol. 5(5), pp. 1-7, May 2017, <http://www.ijetmas.com/admin/resources/project/paper/f201705011493627959.pdf>
  63. Miss. Priya G. Tale, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "Reversible Relational Database Watermarking using Levenshtein Distance and Prediction-Error Expansion", International Conference on Advanced Trends in Engineering, Management and Science (ICATEMS-2017), International Journal of Computer &

- Mathematical Sciences (IJCMS), Vol. 6(5), pp. 88-95 May 2017, <http://conferenceinfo.org/admin/resources/project/paper/f201705101494423320.pdf>
64. Miss. Priya G. Tale, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "Secured Relational Database Watermarking Using Genetic and Firefly Optimization Algorithms", SSRG International Journal of Computer Science and Engineering (ICRTESTM) Special Issue, pp. 36-41, April 2017, <http://www.internationaljournalsrsg.org/IJCSE/2017/Special-Issues/ICRTESTM/IJCSE-ICRTESTM-P107.pdf>,  
<http://www.internationaljournalsrsg.org/IJCSE/2017/Special-Issues/ICRTESTM/IJCSE-ICRTESTM-P107.pdf>,  
<http://www.internationaljournalsrsg.org/IJCSE/2017/Special-Issues/ICRTESTM/IJCSE-ICRTESTM-P107.pdf>
- Miss. V.T. Lanjewar
65. Miss. V.T. Lanjewar, Prof. R. V. Dharaskar, Dr. V. M. Thakare, "An Approach towards Securing Data in Cloud Computing", National Conference on Recent Trends in Computer Science and Information Technology (NCRTCISIT-2016), IOSR Journal of Computer Engineering (IOSR-JCE), pp. 16-20, <https://pdfs.semanticscholar.org/fae2/279638e828e1971af9ebe62b590575728bcd.pdf>
66. Miss. V.T. Lanjewar, Prof. R. V. Dharaskar, "An Approach towards Secure Load Balancing in Cloud Computing", International Journal of Innovative and Emerging Research in Engineering (IJIERE), Vol. 3, Special Issue 1, ICSTSD 2016, pp. 119-126, <http://ijiere.com/FinalPaper/FinalPaperAn%20Approach%20towards%20Secure%20Load%20Balancing%20in%20Cloud%20Computing170944.pdf>
67. Miss. N. D. Kadu, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "Efficient Approach for Image Anti-Forensic Methodology", International Journal of Research in Science & Engineering (IJRISE), Special Issue: Techno-Xtreme 16, pp. 349-353, ORCID ID: 0000-0001-5539-9598, [http://ijrise.org/asset/archive/CSE\\_PG512.pdf](http://ijrise.org/asset/archive/CSE_PG512.pdf) , <http://ijiere.com/FinalPaper/FinalPaperEfficient%20Approach%20for%20Image%20Anti%20Forensic%20Methodology171029.pdf>

#### 4.2. International Conference Research Papers (29)

##### Rajiv Dharaskar

###### Anil Warbhe

68. Anil Dada Warbhe, Rajiv Dharaskar, "Ad-Hoc Algorithm For Cloning Forgery Detection In Digital Images", 5th International Conference on Security for Information Technology and Communications (SECITC'12), National Military Center, Bucharest, Romania, 31 May - 01 June 2012, <http://www.secitc.eu/about/previous-conferences/secitc-2012/>
69. Anil Warbhe, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "Digital Image Forensics: An Affine Transform Robust Copy-Paste Tampering Detection", 10<sup>th</sup> **IEEE** International Conference on Intelligent System and Control (ICSO 2016) Innovative Solutions for Next Generation Systems, 7-8 Jan 2016, <http://ieeexplore.ieee.org/document/7727045/> , **Google Scholar Citation: 04**, Included in **Scopus** Profile

###### Smita V. Khangar

70. Smita V. Khangar, Rajiv V. Dharaskar, "Digital Forensic Investigation for Virtual Machines", **IEEE** 3rd International Conference on Modeling and Simulation (ICCMS 2011), January 7-9, 2011, Mumbai, India, Vol. 2, pp. 606-609, [https://www.researchgate.net/publication/324137000\\_Digital\\_Forensic\\_Investigation\\_for\\_Virtual\\_Machines](https://www.researchgate.net/publication/324137000_Digital_Forensic_Investigation_for_Virtual_Machines)

###### Akshay Zadgaonkar

71. Akshay Zadgaonkar, Dr. Rajiv Dharaskar, "Digital Forensic Investigation Challenges in p2p Networks", **IEEE** International Conference on Digital Convergence 2011 (ICDC 2011), February 19-20, 2011, Hyderabad, India, pp. 177-179, [https://www.researchgate.net/publication/324136880\\_Digital\\_Forensic\\_Investigation\\_Challenges\\_in\\_p2p\\_Networks](https://www.researchgate.net/publication/324136880_Digital_Forensic_Investigation_Challenges_in_p2p_Networks)
72. Akshay Zadgaonkar, Dr. Rajiv Dharaskar, "Generic Model for Forensic Investigation of p2p Networks", **IEEE** International Conference on Digital Convergence 2011 (ICDC 2011), February 19-20, 2011, Hyderabad, India, pp. 180-183, [https://www.researchgate.net/publication/324136886\\_Generic\\_Model\\_for\\_Forensic\\_Investigation\\_of\\_p2p\\_Networks](https://www.researchgate.net/publication/324136886_Generic_Model_for_Forensic_Investigation_of_p2p_Networks)

###### G. R. Talmale

73. G. R. Talmale , Prof. A. V. Talhan, and Prof. R. V. Dharaskar, "Study of Latest Techniques for Multimedia Forensic", DST, CSIR, CSI, **IEEE** sponsored Second International Conference on Advanced Computing & Communication Technologies For High Performance Applications, Cochin, 7-10 Dec 2010, pp. 129-135,

<http://fisat.ac.in/conf2/>

[https://www.researchgate.net/publication/324149459\\_Study\\_of\\_Latest\\_Techniques\\_for\\_Multimedia\\_Forensic](https://www.researchgate.net/publication/324149459_Study_of_Latest_Techniques_for_Multimedia_Forensic)

74. G R Talmale, A V Talhan, Prof R V Dharaskar, "Analysis of Multimedia Forensic Technique", **ACM International Conference on Communication, Computing & Security (ICCCS2011)**, NIT Rourkela, 12-14 February 2011, pp.289-294, DOI 10.1145/1947940.1948002, <http://dl.acm.org/citation.cfm?id=1948002>, [https://www.researchgate.net/publication/220846520\\_Analysis\\_of\\_multimedia\\_forensic\\_technique](https://www.researchgate.net/publication/220846520_Analysis_of_multimedia_forensic_technique) Included in **Scopus Profile**
- Rizwan Ahmed
75. Rizwan Ahmed, Dr. R. V. Dharaskar, "Mobile Forensics: An Introduction from Indian Law Enforcement Perspective", Third International Conference on Information Systems Technology and Management (ICISTM 09), IMT, New Delhi, Published by **Communications in Computer and Information Science, Vol. 31, pp. 173-184, Springer, Berlin, Heidelberg**, DOI [https://doi.org/10.1007/978-3-642-00405-6\\_21](https://doi.org/10.1007/978-3-642-00405-6_21) , [http://link.springer.com/chapter/10.1007/978-3-642-00405-6\\_21](http://link.springer.com/chapter/10.1007/978-3-642-00405-6_21) , **Google Scholar Citation: 10, Scopus Citation: 3**
76. Rizwan Ahmed, Dr. R. V. Dharaskar, "Android Forensics: Background, techniques and analysis tools", First International Conference on Recent Advances in Information Technology (RAIT2012), March 15-17, 2012, ISM Dhanbad, India, [https://www.researchgate.net/publication/306287418\\_Android\\_Forensics\\_Background\\_techniques\\_and\\_analysis\\_tools](https://www.researchgate.net/publication/306287418_Android_Forensics_Background_techniques_and_analysis_tools) , **Google Scholar Citation: 3**
77. Rizwan Ahmed, Dr. R. V. Dharaskar, "Need for Forensic Software for Symbian Smartphones: An Overview, Challenges and Solutions", Symbian Student Essay Contest, Smart phone Show 2008, Earls Court, London, UK, [https://www.researchgate.net/publication/324330537\\_Need\\_for\\_Forensic\\_Software\\_for\\_Symbian\\_Smartphones\\_An\\_Overview\\_Challenges\\_and\\_Solutions](https://www.researchgate.net/publication/324330537_Need_for_Forensic_Software_for_Symbian_Smartphones_An_Overview_Challenges_and_Solutions)
78. Rizwan Ahmed, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "Mobile Forensics: the study of collecting digital evidence from mobile devices", International Conference on Computer Networks and Security (ICCN 2008), VIT, Pune, 27-28 Sept 2008, pp 246-253, [https://www.researchgate.net/publication/306287278\\_Mobile\\_Forensics\\_the\\_study\\_of\\_collecting\\_digital\\_evidence\\_from\\_mobile\\_device](https://www.researchgate.net/publication/306287278_Mobile_Forensics_the_study_of_collecting_digital_evidence_from_mobile_device) , **Google Scholar Citation: 3**
79. Rizwan Ahmed, Dr. Rajiv V. Dharaskar, "Mobile Forensics: Process guidelines for Analysis and Design of Efficient Generalized Forensics Framework for extraction and documentation of evidence from legal admissibility perspective", First International Conference of the South Asian Society of Criminology and Victimology (SASCV 2011), January 15 - 17, 2011, Jaipur, Rajasthan, India pp. 234-239, [https://www.researchgate.net/publication/324330483\\_Mobile\\_Forensics\\_Process\\_guidelines\\_for\\_Analysis\\_and\\_Design\\_of\\_Efficient\\_Generalized\\_Forensics\\_Framework\\_for\\_extraction\\_and\\_documentation\\_of\\_evidence\\_from\\_legal\\_admissibility\\_perspective](https://www.researchgate.net/publication/324330483_Mobile_Forensics_Process_guidelines_for_Analysis_and_Design_of_Efficient_Generalized_Forensics_Framework_for_extraction_and_documentation_of_evidence_from_legal_admissibility_perspective) , [http://www.academia.edu/9466497/Mobile\\_Forensics\\_Process\\_guidelines\\_for\\_analysis\\_and\\_design\\_of\\_efficient\\_generalized\\_forensics\\_framework\\_for\\_extraction\\_and\\_documentation\\_of\\_evidence\\_from\\_legal\\_admissibility\\_perspective](http://www.academia.edu/9466497/Mobile_Forensics_Process_guidelines_for_analysis_and_design_of_efficient_generalized_forensics_framework_for_extraction_and_documentation_of_evidence_from_legal_admissibility_perspective) , **Google Scholar Citation: 2**
80. Rizwan Ahmed, Jayant Deshpande, Rajiv V. Dharaskar, "Use of Data Mining in Mobile Forensics: An Overview", International Conference on Operations and Management Sciences (ICOMS 2011), January 28-29, 2011, IMT Nagpur, India pp. 317-321, [https://www.researchgate.net/publication/324330095\\_Use\\_of\\_Data\\_Mining\\_in\\_Mobile\\_Forensics\\_An\\_Overview](https://www.researchgate.net/publication/324330095_Use_of_Data_Mining_in_Mobile_Forensics_An_Overview)
81. Rizwan Ahmed, Dr. R. V. Dharaskar, "Study of Cryptographic Hashing in Mobile Forensics: Overview, Analysis and Challenges", 3rd International Conference on IT and Business Intelligence (ITBI 2011), November 25-27, 2011, IMT Nagpur/Hyderabad, India, pp 407-411, [https://www.researchgate.net/publication/324330419\\_Study\\_of\\_Cryptographic\\_Hashing\\_in\\_Mobile\\_Forensics\\_Overview\\_Analysis\\_and\\_Challenges](https://www.researchgate.net/publication/324330419_Study_of_Cryptographic_Hashing_in_Mobile_Forensics_Overview_Analysis_and_Challenges)
82. Rizwan Ahmed, Dr. R. V. Dharaskar, "MFL3G: Mobile Forensics Library for digital analysis and reporting of mobile devices for collecting digital evidence", 2nd Asia Pacific Mobile Learning & Edutainment Conference 2008, PWTC Kuala Lumpur, Malaysia, 2008
83. Rizwan Ahmed, Dr. R. V. Dharaskar, "MFL3G: An Open Source Mobile Forensics Library For Digital Analysis And Reporting Of Mobile Devices For Collecting Digital Evidence, An Overview From Windows Mobile OS Perspective", International Conference on Advanced Computing Technologies (ICACT 08),

- GRIET, Hyderabad, pp. 891-896, [https://www.researchgate.net/publication/306287257\\_MFL3G\\_An\\_Open\\_Source\\_Mobile\\_Forensics\\_Library\\_for\\_Digital\\_Analysis\\_and\\_Reporting\\_of\\_Mobile\\_Devices\\_for\\_Collecting\\_Digital\\_Evidence\\_an\\_Overview\\_from\\_Windows\\_Mobile\\_OS\\_perspective](https://www.researchgate.net/publication/306287257_MFL3G_An_Open_Source_Mobile_Forensics_Library_for_Digital_Analysis_and_Reporting_of_Mobile_Devices_for_Collecting_Digital_Evidence_an_Overview_from_Windows_Mobile_OS_perspective) , **Google Scholar Citation: 5**
84. Rizwan Ahmed, Dr. R. V. Dharaskar, “Mobile Forensics: an Overview, Tools, Future Trends and Challenges from Law Enforcement Perspective”, Sixth International Conference of E-governance (ICEG 08), IIT-Delhi and NSIT, New Delhi, [http://www.academia.edu/2388654/Mobile\\_Forensics\\_an\\_Overview\\_Tools\\_Future\\_trends\\_and\\_Challenges\\_from\\_Law\\_Enforcement\\_perspective](http://www.academia.edu/2388654/Mobile_Forensics_an_Overview_Tools_Future_trends_and_Challenges_from_Law_Enforcement_perspective) , [http://www.iceg.net/2008/books/2/34\\_312-323.pdf](http://www.iceg.net/2008/books/2/34_312-323.pdf) , **Google Scholar Citation: 35**
- Ujwala Junghare
85. Ujwala Junghare, R. V. Dharaskar, V. M. Thakare, “GUI based Visualization Technique on Mobile Devices”, International conference Emerging Trends in Computer Science, Communication and Information Technology CSCIT 2010, Yashwant Mahavidyalaya Nanded, 09-11 Jan 2010, [https://www.researchgate.net/publication/324151521\\_GUI\\_based\\_Visualization\\_Technique\\_on\\_Mobile\\_Devices](https://www.researchgate.net/publication/324151521_GUI_based_Visualization_Technique_on_Mobile_Devices)
86. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, “Existing Information Visualization Techniques for Abstract Data on Mobile Devices”, International Conference on Emerging Trends in Soft Computing and ICT (SCICT2011), Guru Ghasidas Vishwavidyalaya Bilaspur, pp 249-252, 16-17 March 2011, [https://www.researchgate.net/publication/324151636\\_Existing\\_Information\\_Visualization\\_Techniques\\_for\\_Abstract\\_Data\\_on\\_Mobile\\_Devices](https://www.researchgate.net/publication/324151636_Existing_Information_Visualization_Techniques_for_Abstract_Data_on_Mobile_Devices)
87. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, Dr. S. S. Sherekar, “Structural Design and Techniques of Client-server for 3D Visualization on Mobile Devices”, International Conference on Advances in Computing and Management (ICACM), D. Y. Patil Institute Pune, pp. 346-350, 6-8 Jan 2012, [http://www.academia.edu/3021095/Structural\\_Design\\_and\\_Techniques\\_of\\_Client-Server\\_for\\_3D\\_Visualization\\_on\\_Mobile\\_Devices](http://www.academia.edu/3021095/Structural_Design_and_Techniques_of_Client-Server_for_3D_Visualization_on_Mobile_Devices)
- Smita Nirkhi
88. Sobia R. Khan, Smita M. Nirkhi, R. V. Dharaskar, “E-mail Mining for Cyber Crime Investigation”, International Conference on Advances in Computer and Communication Technology (ACCT -2012), pp. 138-141, **Google Scholar Citation: 4**
89. S M Nirkhi, V. M. Thakare, R. V. Dharaskar, “Analysis of online messages for identity tracing in Cybercrime Investigation”, **IEEE** International Conference on Cyber Security, Cyber Warfare and Digital Forensic University Putra Malaysia, Malaysia June 26-28, 2012, pp. 300-305, <https://ieeexplore.ieee.org/document/6246131/> , **Google Scholar Citation: 14, Scopus Citation: 8**
90. Smita Nirkhi, R. V. Dharaskar and V. M. Thakare, “Authorship Attribution of online messages using Stylometry: An Exploratory Study”, International Conference on Advances in Engineering and Technology (ICAET'2014), March 29-30, 2014, Singapore, pp.254-257, <http://iieng.org/siteadmin/upload/5179E0314119.pdf> , Google Scholar Citation: 02
- Sulabha Patil - Deshpande
91. Deshpande S. S., Dharaskar, R.V., “Finding user groups on the basis of GSM logs- a survey”, **IEEE** International Conference on Computer Information Systems and Industrial Management Applications (CISIM), Krakow, Poland, 2010, pp. 444 – 447, <http://ieeexplore.ieee.org/document/5643500/> . **Included in Scopus Profile**
92. Vijay Bagdi, Sulabha Patil, R. V. Dharaskar, “Content based retrieval of geotagged images using wavelet as part of digital forensic”, **IEEE** Fourth International Conference on Computing, Communications and Networking Technologies (ICCCNT) 2013, Tiruchengode, pp. 1-4, 4-6 July 2013, <http://www.computer.org/csdl/proceedings/icccnt/2013/3926/00/06726824.pdf> , <https://ieeexplore.ieee.org/document/6726824/>
93. Sulabha Patil, Rajiv Dharaskar, V.M. Thakare, “Digital Forensic in Cloud: Critical Analysis of Threats and Security in IaaS, SaaS and PaaS and Role of Cloud Service Providers”, **IEEE** International Conference on Computing, Communication, Control and Automation, Pimpri Chinchwad College of Engineering, Pune, 17-18 August 2017 (Uploading paper to **IEEE** Explore by Easy-Chair, work is in progress)
- Nishikant R. Khaire
94. Nishikant R. Khaire, Dr. R. V. Dharaskar, Dr. V. M. Thakare, “Recent Trends and Challenges of Network Forensic Frameworks and Process Models”, International Journal of Advanced Computational Engineering and

Networking (IJACEN), ISSN: 2320-2106, Vol. 3(12), Dec 2015, pp. 47-53,  
[http://www.iraj.in/journal/journal\\_file/journal\\_pdf/3-207-145018149347-53.pdf](http://www.iraj.in/journal/journal_file/journal_pdf/3-207-145018149347-53.pdf)

Bhagyashree Gadekar

95. Bhagyashree Gadekar, Dr. R. V. Dharaskar, Dr. V. M. Thakare, Manish Motghare, "A Digital Forensics Approach for Discovery of Attacks in VANET", **IEEE** 3rd International Conference on Electronics and Communication Systems (ICECS'16), Karpagam College, Eachanari, Coimbatore, Tamilnadu, 25-26th February 2016 (Accepted on 19 Nov 2015 – email id: [icecs16@easychair.org](mailto:icecs16@easychair.org) , submitted, registered but could not be Published by **IEEE** for unknown reasons)
96. Bhagyashree Gadekar, Dr. R. V. Dharaskar, Dr. V. M. Thakare, "A Review of Security in Vehicular Network", Paper is presented in Fourth International Conference on Advances in Communication, Network, and Computing – CNC 2013, 22-23 Feb 2013, Chennai, India, <http://cnc.theides.org/2013/CNC2013CSEE2013Schedule.pdf> , Proceedings of CNC&CSEE AIM&CCPE CSA&SPC ACEEE international Conferences **Published by Elsevier**, volume 01, pp. 45-50, February 2013, ISBN: 978-93-5107-184-6, [https://www.academia.edu/26456266/A\\_Review\\_on\\_Security\\_in\\_Vehicular\\_Network](https://www.academia.edu/26456266/A_Review_on_Security_in_Vehicular_Network) , [https://www.researchgate.net/publication/324586203\\_A\\_Review\\_on\\_Security\\_in\\_Vehicular\\_Network](https://www.researchgate.net/publication/324586203_A_Review_on_Security_in_Vehicular_Network)

#### 4.3. National Conference Research Papers (24)

Rajiv Dharaskar

97. R. V. Dharaskar, "Piracy Protection Mechanism for Educational CD", National Conference on Digital Convergence for Quality Education, Hyderabad, Dec 2003, pp: 123-127

Chetan Bawankar

98. Chetan Bawankar, K N Hande, R. V. Dharaskar, "A Robust Steganography Algorithm based on Pattern Matching with External Hardware", National Conference on "Emerging Trends in Communication & Information Technology (ETCIT-08), Amravati, Maharashtra, India, 19-20 Sept 2008

Sachin Solanki

99. Sachin Solanki, A. R. Mahajan, Dr. R. V. Dharaskar, "Detecting and Removing Cracks in Digitized Pictures using Digital Image Processing Approach", National Conference on "Emerging Trends in Communication & Information Technology (ETCIT-08), Amravati, Maharashtra, India, 19-20 Sept 2008

Sulabha V. Patil - Deshpande

100. S. V. Deshpande, Dr. M.U. Kharat , Dr. N. G. Bawane, Dr. R.V. Dharaskar, "Trusted Systems an approach to Data Security in e-governance", National Conference on "Emerging Trends in Communication & Information Technology (ETCIT-08), Amravati, Maharashtra, India, 19-20 Sept 2008
101. Mr. Vijay Bagdi, Ms. Sulabha Patil, Dr. R. V. Dharaskar, "Content Based Retrieval of Geotagged Images using Wavelet", National Conference on Innovative Paradigms in Engineering and Technology (NCIPET-2013), 17 Feb 2013,
102. Sulabha Patil, R.V. Dharaskar, V. M. Thakare, "A Survey on Security Issues in Cloud Computing Environment", National Conference on Innovative Research Trends in Computer Science Engineering & Technology, 8<sup>th</sup> December 2014,

Rizwan Ahmed

103. Rizwan Ahmed, Nivedita Naidu, Dr. R. V. Dharaskar, "Mobile Forensics: an Overview, and Challenges from Symbian OS Perspective", The Information Technology and Business Intelligence Conference (ITBI 2008), IMT, Nagpur, 21-22 Nov 2008, [https://www.researchgate.net/publication/324363338\\_Mobile\\_Forensics\\_an\\_Overview\\_and\\_Challenges\\_from\\_Symbian\\_OS\\_Perspective](https://www.researchgate.net/publication/324363338_Mobile_Forensics_an_Overview_and_Challenges_from_Symbian_OS_Perspective)
104. Rizwan Ahmed, Dr. N. G. Bawane, Dr. R. V. Dharaskar, "Mobile Forensics: the study of preservation, collection, recovery and reporting of digital evidence from mobile devices", National Conference on "Emerging Trends in Communication & Information Technology (ETCIT-08), Amravati, Maharashtra, India, 19-20 Sept 2008
105. Rizwan Ahmed, R. V. Dharaskar, "Mobile Forensics: An Introduction, Standard Practices, and Tools", National Conference on Wireless Communication and Networking (WINCON), L&T Institute of Technology, Powai Mumbai, pp.7-23, 9-10 Jan 2009

106. Rizwan Ahmed, Dr. R. V. Dharaskar, Dr. Vilas M. Thakare, "Efficient Generalized Forensics Framework for extraction and documentation of evidence from Android devices", National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2013), 17 Feb 2013, **Received Best Paper Award**
- Nivedita Naidu
107. Nivedita Naidu, R V Dharaskar, "Intrusion Detection Based on Genetic Algorithm and Bayesian Networks", National Conference on Emerging Trends in Electronics Engineering and Computing E3C 2010, J D College of Engineering Nagpur, pp. 127-133, <https://www.researchgate.net/publication/324114591> Intrusion Detection Based on Genetic Algorithm and Bayesian Networks
108. Nivedita Naidu, R V Dharaskar, "Generation of Automatically Building Detection Models for Data-Mining Based Intrusion Detection System", National Seminar on Recent Advances on Information Technology (RAIT-2009), ISM, Dhanbad, 6-7 Feb 2009
- V. K. Katankar
109. V. K. Katankar, R V Dharaskar, V. M. Thakare, "Implementation of Web Service on SMS Gateway for Security Enhancement", National Conference on Emerging Trends in Electronics Engineering and Computing 2010, pp. 974-976, <https://www.researchgate.net/publication/324114675> Implementation of web service on SMS gateway for security enhancement
110. V. K. Katankar, R V Dharaskar, V. M. Thakare, "Proposal for Security Enhancement of Web Service on SMS Gateway", National Conference on Advanced Technology (NCOAT 2010), pp. 36-39
- Anil Warbhe
111. Anil Dada Warbhe, Dr. Rajiv Dharaskar, Dr. V. M. Thakare, "An adhoc Algorithm and its Implementation for Detecting Forgery in Digital Images", National Conference on Innovative Paradigms in Engineering and Technology (NCIPET-2013), 17 Feb 2013
112. Anil Dada Warbhe, R V Dharaskar, "An Ad-hoc Approach for Detecting Copy-Move Tempering in Digital Images", 1st National Conference on "Cyber Security", by Defense Institute of Advanced Technology (DIAT), Pune, (NCCS-2012), 7-8 June 2012
- Khushboo S. Thakkar
113. Khushboo S. Thakkar, M. B. Chandak, R. V. Dharaskar, "Identification and Analysis Tools for Digital Forensics", National Conference on Data Warehousing & Data Mining (MINEWARE-2011), L&T Institute of Technology, Mumbai, 7-8 Jan 2011, pp. 38-42, <https://www.researchgate.net/publication/324388330> Identification and Analysis Tools for Digital Forensics
- U. S. Junghare
114. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, "Review of Technical Issues for 3D Visualization and Mobile Devices", National Conference on Recent Trends in Soft Computing and Networks (NCR-TSCN-2010), Lakshmi Narain College of Technology, LNCT, Bhopal, 26-27 March 2010, pp. 10-13, <https://www.researchgate.net/publication/324438091> Review of Technical Issues for 3D Visualization and Mobile Devices
115. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, "Data Structures for Visualization in Mobile Devices", National Conference on Advanced Technologies in Computing and Networking (ATCON-2009), P.G. Dept. of Comp. Sci. & Tech., HVPM, Amravati, Maharashtra, India, 13-14 Nov 2009, <https://www.researchgate.net/publication/324438427> Data Structures for Visualization in Mobile Devices
116. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, "Wireless approach for 3D visualization on mobile devices", National conference on Innovations and Trends in Computer and Communication Engineering (ITCCE-2012), Nashik, pp 89-92, Feb. 2012.
117. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, "Visualization in mobile computing", National conference on Computing, Communication, Electronics & Management (NCCCEM-09), KCES College of Engg. & IT, Jalgaon, 20-21 Mar 2009.
118. U. S. Junghare, Dr. V. M. Thakare, Dr. R. V. Dharaskar, "Methodologies for Visualization on Mobile Devices: A Survey", National Seminar on Information Technology Enabled Services (ITeS-09), Shri Shivaji Sc. College, Akola, 11 April 2009.
- Bhagyashree Gadekar
119. Bhagyashree Gadekar, Dr. R. V Dharaskar, Dr. V. M Thakare, "Preserving Authentication in Vehicular ad-hoc Network", National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2013), pp. 451-455, 17 Feb 2013

120. Bhagyashree Gadekar, Dr. R. V. Dharaskar, Dr. V. M Thakare, "Design and Implementation of Communication Patterns In VANET", National Conference on Innovative Paradigms in Engineering & Technology 2013 (NCIPET2013) - Number 3, pp. 427-431, 17 Feb 2013