

## **Research Publications of Dr. Satya Narayan Tripathy**

### **International Journal**

1. Om Prakash Samantray, Satya Narayana Tripathy, "A Knowledge-Domain Analyser for Malware Classification," 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA), Gunupur, India, 2020, pp. 1-7, doi: 10.1109/ICCSEA49143.2020.9132916.  
Paper Link:  
<https://ieeexplore.ieee.org/document/9132916/figures#figures>
2. Sasmita Padhy, **Satya Narayan Tripathy**, Sisira Kumar Kapat, Susanta Kumar Das, "Analysis of Statements of Software Based on the Prioritization Strategy of Test Cases", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9, Issue-5, pp 618-621 , DOI: 10.35940/ijitee.E2479.039520, March 2020. **Scopus**
3. Sasmita Padhy, **Satya Narayan Tripathy**, Sisira Kumar Kapat, Susanta Kumar Das, "An Optimal Receive Antenna Selection Algorithm using GA in MIMO Communication System", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9, Issue-5, pp 630-633 , DOI: 10.35940/ijitee.E2502.039520, March 2020. **Scopus**
4. D Anil Kumar, Sisira Kumar Kapat, Susanta Kumar Das, **Satya Narayan Tripathy**; "Classification of Spyware Affected files using Data Mining Techniques"; International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2S6, July 2019; pp - 462-466. **Scopus**.
5. Om Prakash Samantray, Satya Narayana Tripathy, Susant Kumar Das; "A Data Mining Based Malware Detection Model using Distinct API Call Sequences , International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-7, May, 2019, pp: 896-902.  
Paper link: <https://www.ijitee.org/wp-content/uploads/papers/v8i7/F3533048619.pdf>
6. Om Prakash Samantray, Satya Narayana Tripathy, Susant Kumar Das; "A study to Understand Malware Behavior through Malware Analysis,"

2019 IEEE International Conference on System, Computation, Automation and Networking (ICSCAN), Pondicherry, India, 2019, pp. 1-5, doi: 10.1109/ICSCAN.2019.8878680.

Paper link: <https://ieeexplore.ieee.org/document/8878680>

7. **Satya Narayan Tripathy**, Sisira Kumar Kapat, D Anil Kumar, Mamata Nayak, Susanta Kumar Das, "A survey on Malware Detection Approaches using EULA Analysis with Text Mining", 2ND INTERNATIONAL CONFERENCE ON DATA SCIENCE AND BUSINESS ANALYTICS (ICDSBA 2018), Accession Number: WOS: 000468955000095, ISBN:978-1-5386-8431-3, DOI: 10.1109/ICDSBA.2018.00102, Pages: 517-522, **Scopus, Web of Science.**
8. Om Prakash Samantray, **Satya Narayana Tripathy**, Susant Kumar Das; "A Theoretical Feature-wise Study of Malware Detection Techniques"; International Journal of Computer Sciences and Engineering (Open Access), E-ISSN: 2347-2693, Vol.-6, Issue-12, Dec 2018; pp. 879-887.
9. Binayak Panda, **Satya Narayan Tripathy**; "Morphological Malware Detection: An API Sequence Mining With LCS Based Voting Algorithm"; Journal of Advance Research in Dynamical & Control Systems, Vol. 10, 06-Special Issue, 2018.
10. Sisira Kumar Kapat, **Satya Narayan Tripathy**, "Malware Architectural View with Performance Analysis in Network at its Activation State", International Conference on Cognitive Informatics & Soft Computing (CISC-2017), eBook ISBN 978-981-13-0617-4, Series ISSN 2194-5357. **Scopus.**
11. **Satya Narayan Tripathy**, Sisira Kumar Kapat, RaghunathPatro, Susanta Kumar Das, "A Comprehensive study of Malware Propagation using Geometric Progression", International Conference on Computational Intelligence and Networks, Accession Number: WOS:000428641100014, ISBN:978-1-5386-2529-3, ISSN: 2375-5822, DOI 10.1109/CINE.2017.31, Pages: 73-77, Publisher: IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, **Scopus, Web of Science.**
12. **Satya Narayan Tripathy**, Sisira Kumar Kapat, M. Soujanya, Susanta Kumar Das, "Static Malware Analysis : A Case Study", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 2, Issue 7, **UGC Jornal no:64718**, pp.135-141, September-2017

13. **Satya Narayan Tripathy**, Sisira Kumar Kapat, Susanta Kumar Das, Binayak Panda; "A Spyware Detection System with a Comparative Study of Spywares using Classification Rule Mining"; International Journal of Scientific & Engineering Research (ISSN 2229-5518), Volume 7, Issue 3, March-2016; pp. 179-184. **UGC Jornal no: 44919**.
14. Binayak Panda, **Dr. Satya Narayan Tripathy**, Dr. NilambarSethi, Om PrakashSamantray, "A Comparative Study on Serial and Parallel Web Content Mining", International Journal of Advanced Networking and Applications, ISSN: 0975-0290, Volume 7, Issue 5, 2016; pp. 2882-2886
15. Om Prakash Samantray, **Satya Narayan Tripathy**, Susant Kumar Das, Binayak Panda; "CAM: A Combined Analytical Model for Efficient Malware Classification";International Journal of Advanced Research in Computer and Communication Engineering, ISSN (Online) 2278-1021, ISSN (Print) 2319 5940,Vol. 5, Issue 1, January 2016; pp. 286-290.
16. **Satya Narayan Tripathy**, Susanta Kumar Das, Brojo Kishore Mishra, Om Prakash Samantray; "A Study on Malware Taxonomy and Malware Detection Techniques"; International Journal of Engineering Research & Technology (ISSN (print): 2278-0181), 10-11 April 2015 TITCON-2015 Conference Proceedings; pp. 266 – 273.
17. **S. N. Tripathy**, T. Mohan Rao; "A Review on Vulnerability Management in Wireless Communication System", International Journal of Advanced Computer Research (ISSN (print): 2249-7277), March 2013, pp. 71-75.
18. Debendra Dhinda, **S. N. Tripathy**, Nikunja Kishore Sabat; "A Survey on Vulnerability Management for Web Security", International Journal of Advanced Computer Research (ISSN (print): 2249-7277), March 2013, pp. 92-94.
19. Susanta Kumar Das, Jagadish Panda, **Satya Narayan Tripathy**; "Policy based Network Administration and Management", IJCSNS International Journal of Computer Science and Network Security, Vol.9 No.10, November 2012, pp. 121-130.
20. **S. N. Tripathy**, S. K. Tripathy, S. K. Das; "Designing A Trust Model for an Ad Hoc Social Network using Communication Data Value", International Journal of Computer Science & Management Systems, ISSN: 0975-5349, Vol.1(2), December 2009, pp. 85-89.

### **International Conference Proceeding**

1. Om Prakash Samantray, **Satya Narayana Tripathy**, “A Knowledge-Domain Analyser for Malware Classification”, International Conference on Computer Science, Engineering and Applications (ICCSEA 2020)
2. Om Prakash Samantray, **Satya Narayana Tripathy**, Susant Kumar Das, “A study to Understand Malware Behavior through Malware Analysis” Proceeding of International Conference on Systems Computation Automation and Networking 2019, @ IEEE 978-1-7281-1524-5.

### **National Journal**

1. **S. N. Tripathy**, B. K. Tripathy, G. N. Pradhan; “Trust Evolution Mechanism in Ad Hoc Social Network using Intrusion Detection”, SIDDHANT: A Journal of Decision Making, , Vol.8(2&3) April-September 2008, pp. 67-72.
2. **S. N. Tripathy**, B. K. Tripathy, G. N. Pradhan; “Possible Terrorization in Ad Hoc Social Networks”, SIDDHANT: A Journal of Decision Making, ISSN:0091/2002-TC,Vol.7(2) April-June 2007, pp. 48-54.

### **National conference Proceeding**

1. Sisira Kumar Kapat, Satya Narayan Tripathy, Susanta Kumar Das, “Two Phase Malware Detection using API and static System Event Properties,” in **National Seminar on Innovative Application of Information Technology (NSIAIT-2019)**, at Berhampur University, Odisha, India, during 15<sup>th</sup> -16<sup>th</sup> March 2019
2. Om Prakash Samantray, Satya Narayan Tripathy, Susanta Kumar Das, Sisira Kumar Kapat, “A System-centric Malware Detection Framework based on System’s Behavior,” in **National Seminar on Innovative Application of Information Technology (NSIAIT-2019)**, at Berhampur University, Odisha, India, during 15<sup>th</sup> -16<sup>th</sup> March 2019
3. **S. N. Tripathy**, B. K. Tripathy, S. K. Nahak, M. Pattnayak; “Trust Evaluation Mechanism in Ad Hoc Social Network using Communication Data Value”, Proceedings of the National Seminar on Advancement on IT – Its Role for Protection of Environment-Vision 2020, 21<sup>st</sup> February 2008, pp. 42-48.
4. **S. N. Tripathy**; “Designing A Trust Model for the Human Interaction in an Ad Hoc Social Network using Weighted Statistical Data”, Proc. of the

- National Conference on Secure Transaction (BITCON' 07), 16-17 March 2007, pp. 42-48.
5. **S. N. Tripathy**, B. K. Tripathy & S. K. Dash; "Trust Evaluation Mechanism in Ad Hoc Social Network", Proceedings of the National Conference on Intelligence Systems(NCIS' 07), 17-18 February 2007, pp. 65-71.
  6. **S. N. Tripathy**; "A Study of some Threats and Attacks of Ad Hoc Social Networks", MPC CET, 2-3 March 2007, Electronic-format publications.
  7. **S. N. Tripathy**; "Networks Security Model: An Incremental Approach to Network Security" Proc. of National Seminar on Wireless Application Protocol (NSWAP); at Gandhi Institute of Engineering & Technology, Gunupur (GIET), Orissa, India, 30 September and 01 October 2001.
  8. **S. N. Tripathy**; "Multilingual: The Next Generation Challenge". In Relation '97, All India MCA Meet, Dept. of Comp. and Info Sc, University of Hyderabad, Hyderabad, 7-9 March 1997.

## **Book Chapters**

1. Satya Narayan Tripathy, Sisira Kumar Kapat, Susanta Kumar Das; Book Chapter Title: "Security Threats and Vulnerabilities in E-business"; Dac-Nhuong Le et al. (eds.), Cyber Security in Parallel and Distributed Computing, (51-262) © 2019 Scrivener Publishing LLC; pp. 51-59, Print ISBN:9781119488057, Online ISBN:9781119488330.
2. Satya Narayan Tripathy, Sisira Kumar Kapat; Book Chapter Title: "UGC Regulations, 2016: A Step in the Right Direction for Qualitative Improvement of Research Scholars in India"; Multidisciplinary eBook, ISBN : 978-81-932419-8-1, B.R. International Publication House, Head Office : Dhanbad, Jharkhand, India; pp. 144-148.