Centre/School/Special Centre: Engineering & Technology

Department: Computer Science & Engineering

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Personal Webpage Link

Qualifications: M.Tech. Computer Science from National Institute of Technology, Rourkela securing 93.1% (2010).

B.E. Information Technology from Govt. Engineering College, Bilaspur, GGDU securing 79.8% (2007).

Ph.D- Pursuing from NIT Rourkela, Orissa.

Area of Interest/Specialization: Mobile Ad-hoc Networks, Data Mining, Computer Networks

Experience:

- Currently working as an Assistant Professor in Department of Computer Science and Engineering, SoS Engineering & Technology, Bilaspur, Chhattisgarh since July 2011.

- Worked as an Assistant Professor in Department of Information Technology, ITGGV, Bilaspur, Chhattisgarh from 10/07/10 to 16/06/11 as ad hoc faculty

Awards and Honors:

- Won a first prize (**Alumni Association Award**) for securing highest mark in B.E (Information Technology) from Government Engineering College, Bilaspur (C.G.)

- Won a first prize (**Silver Medal**) for securing highest mark in M.Tech (Computer Science and Engineering) from NIT Rourkela, Orissa.

- GATE Qualified in 2007

Research Projects: Nil

International Collaboration/Consultancy: Nil

Best Peer Reviewed Publication (up-to 10)

- Ruchi Kumari , **Nishi Yadav** *"Modification in AODV For Preventing Black Hole Attack And Improving Efficiency"IEEE Sponser Asian Journal of Convergence in Technology"*, Vol. 3, Issue 3, August 2017.

- Mayank Kumar, Nuka Santosh Kumar, **Nishi Yadav** *"Evolution Of New Efficient Load Balancer Algorithm For Large Data Sets"*, International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR) ,Vol. 7, Issue 3, Jun 2017, 1-9.

- Abhinav, Nikhil Khanna, Nishant Behar & **Nishi Yadav** *"Improved algorithm for Dynamic Memory Allocation In Cloud Computing"*, International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR) ,Vol. 6, Issue 3, Jun 2016, 39-46.

- Shourya Khare, **Nishi Yadav**, Nishant Behar,*"STF-Energy Efficient Scheduling algorithm for WSN"*, International Journal of Innovative Research in Computer and Communication Engineering **(IJIRCCE),** Vol. 4, Issue 4, April 2016, 5052-5059.

- Rishab Sinha, Vikash Kumar, **Nishi Yadav***"EECA Routing Protocol for FANETs"*, International Journal of Innovative Research in Computer and Communication Engineering **(IJIRCCE),** Vol. 4, Issue 3, March 2016, 3443-3451.

- Monika, Sneha Chauhan, **Nishi Yadav**"LEACH-I Algorithm for WSN" International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Vol. 4, Issue 3, March 2016, 3459-3466.

- Nitika Srivastava, Priya Dubey, **Nishi Yadav**"A Comparative Exploration and Analysis of AODV, DSDV and DSR for MANET" International Journal of Computer Science and Mobile Computing (IJSCMC), Vol. 5, Issue. 3, March 2016, 42 – 53.

- Apoorva Mondal, **Nishi Yadav**,"De Noising of Images with Moment Invariant" International Journal of Computer Science and Information Technologies (IJCSIT) Vol. 5 ,Issue 2 , 2014, 1031-1034.

- Kavita Tandon, Neelima Mallela, **Nishi Yadav**, "Novel Approach for FAULT Detection in WSN", International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 5, Issue 2 , 2014, 2191-2194.

- **Nishi Yadav**, P.M. Khilar, "Cluster Based Distributed Diagnosis in MANET", International Journal of Computer and Information Technology, Vol. 1, Issue 1, September 2012, 54-60.

International Conferences/ Seminars :

- Naga Hemanth P, Abhinay Raj N, **Nishi Yadav**, "Secure Message Transfer Using RSA Algorithm And Playfair Cipher In Cloud Computing", IEEE Sponsor 2nd International Conference For Convergence In Technology (12CT 2017),Hotel Crown Plaza, Pune Center,Pune,7-9 April 2017.

- Naga Hemanth P, Abhinay Raj N, **Nishi Yadav**, "Secure Data Transfer by Implementing Mixed Algorithm",5th ICACNI 2017 publishes by Advances in Intelligent System and Computing Series Springer,NIT Goa, 1-3 June 2017.

- **Nishi Yadav**, Nitika Srivastava,"EEE-AODV in MANET"Interntional Conference on Smart Trend for Information Technology and Computer Communications (SmartCom2016), Springer, Jaipur, Rajasthan, India,6-7 August2016.

- **Nishi Yadav** , P.M. Khilar, "Hierarchically Adaptive Fault Diagnosis in MANET using Clustering", Fifth International Conference on Industrial & Information System (ICIIS),IEEE, NITK, Surathkal, Karnatka, India , 29 July-1 August 2010, 7-12.

- **Nishi Yadav** , P.M. Khilar ,"An Improved Hierarchically Adaptive Fault Diagnosis IN MANET using Clustering", First International Conference on Integrated Intelligent Computing (ICIIC),IEEE, SJB Institute of Technology, Kengeri, Bangalore, India, 5-7 August,2010, 308-313.

Recent Books/Book Chapters/Monographs etc.

- **Nishi Yadav**, Recent Findings in Intelligent Computing Techniques Secure Data Transfer by Implementing Mixed Algorithms, 5th ICACNI 2017, Volume 1, International Conference Springer, 2019, ISBN-978-981-10-8638-0

- **Nishi Yadav**, Lecture Notes on Data Engineering and Communications Technologies Enrichment of Security Using Hybrid Algorithm, International Conference on Computer Networks and Communication Technologies, International Conference Springer, 2019, ISBN-978-981-10-8680-9

- **Nishi Yadav**, Lecture Notes on Data Engineering and Communications Technologies Implementation of Open Shortest Path First Version 3 (OSPFv3) with Encryption and

Authentication in IPv6 Network, International Conference on Computer Networks and Communication Technologies, International Conference Springer, 2019, ISBN-978-981-10-8680-9

- **Nishi Yadav**, Lecture Notes in Networks Advances in Data and Information Sciences Proceedings of ICDIS 2017, Volume 2 and Systems, an EHSA for RSA Cryptosystem Advances in Data and Information Sciences Proceedings of ICDIS International Conference Springer, 2019, ISBN-978-981-13-0276-3

- **Nishi Yadav**, Smart Com 2016. Communications in Computer and Information Science EEE-AODV in MANET International Conference on Smart Trends for Information Technology and Computer Communications, International Conference Springer, 2019, ISBN-978-981-10-3432-9.

- **Nishi Yadav**, 2020. Enhancement of Security Using B-RSA Algorithm. In: Ranganathan, G., Chen, J., Rocha, Á. (eds) Inventive Communication and Computational Technologies. Lecture Notes in Networks and Systems, vol 89. Springer, Singapore.

- **Nishi Yadav**, 2020. Blackhole Attack Implementation and Its Performance Evaluation Using AODV Routing in MANET., Inventive Communication and Computational Technologies. Lecture Notes in Networks and Systems, vol 89. Springer, Singapore.

- **Nishi Yadav**, 2020. Impact on Security Using Fusion of Algorithms. , Innovative Data Communication Technologies and Application. ICIDCA 2019. Lecture Notes on Data Engineering and Communications Technologies, vol 46. Springer, Cham.

- **Nishi Yadav**, 2019. Enrichment of Security Using Hybrid Algorithm. International Conference on Computer Networks and Communication Technologies. Lecture Notes on Data Engineering and Communications Technologies, vol 15. Springer, Singapore.

- **Nishi Yadav**, 2019. Implementation of Open Shortest Path First Version 3 (OSPFv3) with Encryption and Authentication in IPv6 Network. International Conference on Computer Networks and Communication Technologies. Lecture Notes on Data Engineering and Communications Technologies, vol 15. Springer, Singapore.

- **Nishi Yadav**, 2019. An EHSA for RSA Cryptosystem. Advances in Data and Information Sciences. Lecture Notes in Networks and Systems, vol 39. Springer, Singapore.

Research Supervision: B.Tech Project supervised: 22

Administrative Responsibilities

- **Cultural Coordinator,** Guru Ghasidas Vishwavidyalya for session 2016-17, 2017-18 and 2018-19.
- **Committee Member, Rajat** Jayanti Sabhagar, Guru Ghasidas Vishwavidyalya for session 2018-19 and 2019-20.
- Techfest **Co-coordinator** for session 2014-15

Additional Information