Faculty Profile

Name : Ms. Renu Dalal

Designation : Assistant Professor

Qualifications : PhD(Submitted), M.Tech(CSE), B.E(CSE)

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Area of Interest/Specialization: Wireless Network, Opportunistic Network, Security, Internet of Things, and Machine Learning.

Experience : 8 +years

1. Assistant Professor in Maharaja Surajmal Institute of Technology (MSIT), affiliated to Guru Gobind Singh Indraprastha University, Delhi from February 2022.
2. Assistant Professor in Ambedkar Institute of Advanced Communication Technologies and Research Govt. of Delhi as an Assistant Professor in Department of C.S.E. from October 2013 to June 2021.
3. Assistant Professor in PDM College of Engineering, Bahadurgarh as an Assistant Professor in Department of C.S.E. from July 2012 to October 2013.

Journal Publications

SCI/SCIE/ESCI

1. **Renu Dalal,** and Manju Khari, "Persuasive Simulation of Optimized Protocol for OppNet", In Journal of Dynamic System and Applications, Dynamic Publishers Inc., (**SCI**), 2021.
2. **Renu Dalal,** and Manju Khari, et al., "Proliferation of Opportunistic Routing: A Systematic Review" in IEEE Access, **IEEE**, (**SCI)**, 2022.
3. **Renu Dalal,** and Manju Khari, et al.,"Evaluation of Association Rule Based Routing Protocol in OppNet", In Journal of Mechatronic Systems and Control, ACTA Press, (**ESCI**, **Scopus Indexed**), 2021.
4. **Renu Dalal,** and Manju Khari,"Factual Demonstration of Blockchain Routing in Delay Tolerant Network" in Wireless Personal Communications, Springer (**SCI)**, 2021 (Conditionally Accepted).

5. **Renu Dalal,** and Manju Khari, et al. "Perlustration of Network Protocols: The Systematic Review" In Journal of ACM Computing Surveys, (**SCI**), 2021. (Under Review).

6. **Renu Dalal,** and Manju Khari, "Efficious Implementation of Deep Q-Routing Opportunistic Network" international Journal of Computers and Electrical Engineering, Elsevier, (**SCI**), 2021. (Under Review).

7. **Renu Dalal,** and Manju Khari, "Speculative Analysis of Wireless network", International Journal of Computing and Informatics, Informatica, 2021, (**SCOPUS**) (Under Review).

8. **Renu Dalal,** and Manju Khari, et al. "The Bibliometric Assessment of Opportunistic Network Protocols & Simulation Tools" In IEEE Open Journal of the Communication Society (**SCI**), 2021. (Communicated).

International Conference Paper

1. **Renu Dalal,** and Manju Khari,"Empirical Analysis of Routing Protocols in Opportunistic Network." In *Research in Intelligent and Computing in Engineering*, Springer, Singapore (pp. 695-703), **Scopus Indexed**. 2021.

2. **Renu Dalal,** and Manju Khari, "Peculiar Effectual Approach: Q-Routing in Opportunistic Network", In International Conference on Industrial Instrumentation & Control (ici2c-2021), Springer, Kolkata, (pp. 609-615), **Scopus Indexed**. 2021.

3. Sanjana Bhanu, **Renu Dalal**, Raghav Aggarwal, "Creating Best Fit Keys Using Genetic Algorithm" 4th International Conference on Computing for Sustainable Global Development (INDIA Com) March, 2017, ISBN: 978-93-80544-24-3, Pages 4644-46, Publisher **IEEE**, 2017.

4. Amita Dev, Manju Khari and **Renu Dalal**, "Effiecient Clustring Using MNPA in WSN" Second International Conference on Computing for Sustainable Global Development (INDIA Com) March, 2015, ISBN: 978-9-3805-4415-1, Pages 2154-2158, Publisher IEEE, **Scopus Indexed**, 2015.

5. **Renu Dalal**, Manju Khari and Yudhvir Singh, "Survey of Trust Schemes on Ad-hoc Network", The Third International Conference on Wireless & Mobile Networks (WiMoNe – 3.0), Bangalore, India, CCSIT 2012, Part I, LNICST 84, pp. 170–180, 2012. (Springer) Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, **Scopus Indexed**, 2012.

6. **Renu Dalal**, Manju Khari and Yudhvir Singh, "Authenticity Check to provide Trusted Platform in MANET (ACTP)" CCSEIT- 2012 Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology, ACM_New York, NY, USA ©2012, ISBN: 978-1-4503-1310-0, Pages 647-655, **Scopus Indexed,** 2012.

Book Chapter

1. **Renu Dalal** and Manju Khari, et al.,"False Media Detection by using Deep-Learning", Multimodal Biometric Systems: Security and Applications Publication in CRC press, Taylor and Francis, 2021.

2. Manju Khari and **Renu Dalal**., et al.,"Person Identification in UAV Shot Videos by using Machine Learning", Multimodal Biometric Systems: Security and Applications Publication in CRC press, Taylor and Francis, 2021.

3. Manju Khari and **Renu Dalal**., et al.,"Evaluation of Text-Summarization Technique ", Multimodal Biometric Systems: Security and Applications Publication in CRC press, Taylor and Francis, 2021.

4. **Renu Dalal** and Manju Khari., et al.,"Smart Metro Ticket Management by using Biometric ", Multimodal Biometric Systems: Security and Applications Publication in CRC press, Taylor and Francis, 2021.

5. Manju Khari and **Renu Dalal** & Pratibha Rohilla, "Extended Paradigms for Botnets with WoT Applications: A Review", *Smart Innovation of Web of Things*, 105, 2020.

6. Manju Khari and **Renu Dalal**., et al., "AndroSet: An Automated Tool to Create Datasets for Android Malware Detection and Functioning with WoT", *Smart Innovation of Web of Things*, 187, 2020.

7. **Renu Dalal** and Manju Khari., et al.,"Evaluation of Software Fault Prone with a Support Vector Machine and Biomedical Applications", *Bioelectronics and Medical Devices: Applications and Technology*, CRC press, 77-103, 2021.

International Journal

1. **Renu Dalal**, Manju Khari and Yudhvir Singh, "Different Ways To Achieve Trust In MANET", International Journal on Ad Hoc Networking Systems (IJANS), ISSN: 2249 - 0175 [Online]; 2249 - 2682 [Print], 2012 **(Google Scholar).**

2. **Renu Dalal**, Manju Khari and Yudhvir Singh, "The New Approach to provide Trusted Platform in MANET" International Journal of Security, Privacy and Trust Management (IJSPTM), Vol. 1, No 6, December 2012, DOI: 10.5121/ijsptm.2012.1601,

2012**(Google Scholar).**

3. **Renu Dalal**, Yudhvir Singh and Manju Khari,"A Review on Key Management Schemes in MANET", International Journal of Wireless & Mobile Networks (IJWMN), ISSN: 0975 - 3874 [Online], ISSN: 0975 – 4679 [Print] 2012 **(Google Scholar).**

Major Responsibilities Held at College

1. Proctor Responsibilities
2. Mentor Responsibilities
3. Project Guide

B.Tech Courses Taught

1. Computer Networks
2. Database Management System
3. Operating System
4. Network Security
5. Introduction to Programming

Goggle Scholar Profile: https://scholar.google.com/citations?user=LW9mEFYAAAAJ

Ms. Renu Dalal