

CURRICULUM VITAE

Seema Rani



CONTACT INFORMATION

Ms. Seema Rani

Assistant Professor

Department of Computer Science and Engineering and Information Technology,
JUIT, waknaghat, Solan, HP

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EDUCATION

Ph.D. (Computer Science and Engineering) - *Pursuing*

Guru Jambheshwar University of Science and Technology, Hisar, Haryana, India, 125001

Title: “A Novel Approach for Cyber-Attack Detection Using Machine Learning and Deep Learning”

M.Tech (Computer Science and Engineering) - *2017-20*

Guru Jambheshwar University of Science and Technology, Hisar, Haryana, Indian, 125001

B.Tech (Information Technology) - *2013-17*

The Technological Institute of Textile & Sciences, Bhiwani, Haryana, Indian, 127021

RESEARCH INTERESTS

- Cyber Security
- Networking
- Machine Learning and Deep Learning

RESEARCH PROFILE

Google Scholar:

<https://scholar.google.com/citations?user=PyB9ow4AAAAJ&hl=en>

ORCID ID : <https://orcid.org/my-orcid?orcid=0009-0004-3665-226X>

RESEARCH PUBLICATIONS

Conference Paper

1. Rani, S., Nagpal, R. (2022). Implementation of Efficient Technique to Conduct DDoS Attack Using Client–Server Paradigm. In: Nayak, P., Pal, S., Peng, SL. (eds) IoT and Analytics for Sensor Networks. Lecture Notes in Networks and Systems, vol 244. Springer, Singapore. https://doi.org/10.1007/978-981-16-2919-8_42
https://link.springer.com/chapter/10.1007/978-981-16-2919-8_42
2. S. Rani and S. Kumar, "Unleashing the Power of Machine and Deep Learning for Advanced Network Intrusion Detection: An Analysis and Exploration," 2023 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), Chennai, India, 2023, pp. 1-9, [doi: 10.1109/ACCAI58221.2023.10200892](https://doi.org/10.1109/ACCAI58221.2023.10200892).
<https://ieeexplore.ieee.org/document/10200892>

Journal Papers

1. Rani, Seema, and Ritu Nagpal. "Penetration testing using metasploit framework: an ethical approach." *International Research Journal of Engineering and Technology (IRJET)* 6, no. 08 (2019).
<https://www.irjet.net/archives/V6/i8/IRJET-V6I893.pdf>

ORGANIZATION/ PARTICIPATION OF SEMINARS/ WORKSHOPS/ SCHOOLS

- ACCAI-2023 by St. Joseph's College of Engineering, Chennai, India.
- One Week Short Term Course on Machine Learning and its Applications in IoT, Computer Vision and Cloud Computing (MICC-2023) from July 10-14, 2023
- 5 Day FDP by CMR Engineering College on 26-30 June, 2023.
- 8 Day FDP on Cyber Security & Hacking held from 16 -24 June 2023 by SRM Institute of Science and Technology, Ramapuram, Chennai – 600089.
- One Week International FDP on “ Smart Future Technologies in AI/ML & Data Analytics”, by Amity University in Tashkent.
- FDP on “Machine Learning for Internet of Things” by Guru Jambheshwar University of Science and Technology, Hisar, Haryana-125001 on 3-8 January, 2022.
- Three Days National workshop on Applications on “Deep Learning in Computer Vision” during 10 - 12 February, 2022 by SSN College of Engineering, Chennai.

- One Week Indo-German SPARC Symposium cum Workshop on “Recent Advances in Machine Translation (RMAT-2021)” by NIT Silchar, Assam.
- One-day Webinar on “IP-AWAKE: Patent Filing, Prosecution, Enforcement in India and Commercialization” by GJUS&T, HISAR on March 19, 2021
- ICWSNUCA-2021, by Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, India, during 26-27 February 2021.
- National Seminar at Guru Jambheshwar University of Science and Technology, Hisar, on the topic “Design of 5G Mobile Network using Soft Computing Techniques” on 28-29 March, 2019.

HONORS AND AWARDS

- UGC NET December 2019 -Qualified
 - UGC NET JUNE 2020 -Qualified
 - UGC NET December2020 and June 2021 Merged Cycle-Qualified
 - UGC NET December2022- Qualified
 - HTET- 2021 -Qualified
 - Awarded AICTE Fellowship / Equivalent to JRF.
 - Awarded NFOBC Fellowship / Equivalent to JRF.
 - First Position in academic B. Tech 2013-2017.
 - First Position in Painting Competition at District Level.
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TEACHING

- Python (UG)
 - Database Management Systems (UG)
 - Computer Network (UG)
 - Operating Systems (UG)
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