

**MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND  
STUDIES (DEEMED TO BE UNIVERSITY) FARIDABAD**

Sector 43, Aravalli Hills, Manav Rachna Campus Rd, Faridabad, Haryana  
121004

**Ms. Neda Fatima**

**Designation:** Assistant Professor

**Qualifications:** Ph.D, MTech, BTech

**Email:**

[nedafatima.fca@mriu.edu.in](mailto:nedafatima.fca@mriu.edu.in)



**Experience:** 3 Years

**Research Interest:** Artificial Intelligence, Internet of Things, Python Programming

**Journal Publication Details:**

1. **N. Fatima**, "IoT based Smart Greenhouse with Disease Prediction using Deep Learning", *International Journal of Advanced Computer Science and Applications, (IJACSA) - Volume 12 No 7 July 2021.*
2. **N. Fatima**, "COVID-19 Vaccination progress in India & its Neighbors", *International Journal of Current Research and Review(IJCRR)" Volume 13 Issue 14, July 2021.*
3. **N. Fatima**, "Smart Air Pollution Monitoring System with Smog Prediction Model using Machine Learning", *International Journal of Advanced Computer Science and Applications, (IJACSA) - Volume 12 No 8 August 2021.*

**Conference Publication Details:**

4. **N. Fatima**, "IoT based Border Security System Using Machine Learning", *International Conference on Communication, Control and Information Sciences ICCISc 2021, 2021-June.*
5. **N. Fatima**, "Design of Smart Heart Rate Monitoring and Stress Detection System with Cloud Data Storage and Privacy", *Intelligent Computing and Technologies Conference ICTCon2021, AIJR Proceedings, 2021-March, pp. 81-88, 2021, doi: 10.21467/proceedings.115, ISSN:2582-3922. (Best Paper Award)*
6. **N. Fatima**, "Comparative Performance Analysis of Digital Modulation Schemes with Digital Audio Transmission through AWGN Channel," in *2019 International Conference on Power Electronics, Control and Automation, ICPECA 2019 - Proceedings, 2019, vol. 2019-Novem, doi: 10.1109/ICPECA47973.2019.8975481.*
7. **N. Fatima**, "Detection and Segmentation of Brain Tumor using MRI images", *International Conference on Artificial Intelligence and Speech Technology, AIST 2019 Proceedings, 2019-Novem, ISBN:978-93-88237-94-9. (Best Paper Award)*
8. **N. Fatima**, "Neural Network based Smart Weed Detection System", *International Conference on Communication, Control and Information Sciences ICCISc 2021, 2021-June.*
9. **S. A. Siddiqui, N. Fatima, and A. Ahmad** "Design of Driver Alcohol Detection System with Automatic Engine Locking", *Intelligent Computing and Technologies Conference ICTCon2021, AIJR Proceedings, 2021-March, pp. 81-88, 2021, doi: 10.21467/proceedings.115, ISSN:2582-3922.(Best Paper Award)*

10. **N. Fatima**, “Comparative Analysis of Propagation Path Loss Models in Lte Networks,” in *2019 International Conference on Power Electronics, Control and Automation, ICPECA 2019 - Proceedings*, 2019, vol. 2019-Novem, doi: 10.1109/ICPECA47973.2019.8975464.
11. **N. Fatima**, “Vehicle Number Plate Recognition via MATLAB”, *International Conference on Artificial Intelligence and Speech Technology, AIST 2019 Proceedings*, 2019-Novem, ISBN:978-93-88237-94-9.