Chief Editor Profile

Name : Dr. Sapna Malik

Designation : Associate Professor

Qualifications :PhD, M.Tech , B.Tech

Email : sapnadhankhar@msit.in

Area of Interest/Specialization: Mobile Security, Machine Learning, Soft Computing, Cyber Security

Experience : 19 years

Key Publications

1. Sapna Malik, Kiran Khatter "AndroData: A tool for static and dynamic features extraction of Android Applications" , International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 10,Issue 94,2015,pp-98-102 .

2. Sapna Malik, Kiran Khatter " Behavior Analysis of Android Application", in International journal of Control theory and application, Volume 9,Issue 10,2016.

3. Sapna Malik, Manmohan Chaturvedi "Privacy and Security in Mobile Cloud Computing: Review" International Journal of Computer Application (0975-8887) Volume 80, Issue No – 11, October 2013,pp.20-26.

4. Sapna Malik, Kiran Khatter "Malicious Application Detection and Classification for Android Applications", in International Journal of Ambient Computing and Intelligence,Volume-9,Issue 1.

5. Sapna Malik,"Malware Detection in Android System", International Journal for Science and Advance Research In Technology, Volume 3, issue 9,pp-369-372.

6. Kiran Khatter,Sapna Malik," Ranking and Risk Factor Scheme for Malicious applications detection and Classifications" in International Journal of Information System Modeling and Design.

7. Sharma, S., Gupta, S., Gupta, D., Juneja, A., Khatter, H., Malik, S., & Bitsue, Z. K. (2022). Deep Learning Model for Automatic Classification and Prediction of Brain Tumor. *Journal of Sensors*, *2022*.

8. Upadhyay, H., Juneja, A., Turabieh, H., Malik, S., Gupta, A., Bitsue, Z. K., & Upadhyay, C. (2022). Exploration of crucial factors involved in plants development using the fuzzy AHP Method. *Mathematical Problems in Engineering*, *2022*.

Patents

1. Air Quality Index prediction and forecasting System based on Internet of things and Machine Learning,Dr. Savita Ahlawat, Dr. Amit Choudhary, Dr. Adeel Hashmi, Dr. Naresh Kumar, Dr. Sandeep Kumar, Dr. sapna Malik, Dr. Sangeeta, Dr. Sitender,Application No 202022104292,Date of Grant,4/11/2022

2. System and Method for Early Detection and Post Disease care of Dementia Patients,Dr. Sapna Juneja, Dr. Abhinav Juneja, Mr. Dhananjay Umrao, Dr. Sapna Malik, Ms. Mamta Gahlan, Mr. Harish Khatter,Application no.-202211001585, Publication date-14/01/2022

3. IOT enabled obstruction evasion Robots for enhancing the security of the System, Dr. Sapna Juneja, Dr. Abhinav Juneja, Shivam Mudgil, Dr. Pooja Gupta, Mr. Alok Kumar Sharma, Dr. Sapna Malik, Dr. Sunil Nijhawan, Ms. Mamta Gahlan, Dr. Priyanka Nandal,Application no.-202111013252 Publication date-16/04/2021

Awards and Recognitions

1. Letter of Appreciation from Surajmal Memorial Education Society in 2016.
2. Best Paper Award received in International Conference in 2016.
3. Best Researcher Award from Surajmal Memorial Education Society in 2022.

Book Chapter/Books published

1. Sapna Malik "Implementation of Semantic Services," Lambert Publication, ISBN 978-620-2-05313-6,2017.
2. Sapna Malik "Malware Detection in Android System", Anchor Academic Publishing , ISBN: 978-3-96067-704-8,2017

Memberships of Professional bodies

1. Life Time Membership of Indian Society of Technical Education (I.S.T.E)

Managing Editor Profile

Name	: Dr. Deepshikha Yadav
Designation	: Assistant Professor, ECE
Qualifications	: Ph.D.(GGSIPU), M.Tech(GGSIPU), B.E(MDU)
Phone	: 9711016618
Email	: deepshikha@msit.in

Area of Interest/Specialization: IOT, Machine Learning, Artificial Intelligence, Embedded Systems, Microprocessors and Microcontrollers, Circuit designing in PSIM and MULTISIM, Renewable energy resources.

Experience : 15+ years

Key Publications

1. Yadav, D. and Azad, P., "Low-cost triboelectric sensor for speed measurement and weight estimation of vehicles", IET Intelligent Transport Systems, 12(8), pp.958-964, 2018. **SCIE, IF: 2.56**

2. Deepshikha Yadav, Puneet Azad and Rahul Vaish, "Solar energy harvesting using candle-soot-coated thermoelectric materials," Global Challenges (Wiley), vol.4, https://doi.org/10.1002/gch2. 201900080, 2020. **SCIE, IF: 5.135**

3. Gupta, R., Yadav, D., Rao, M. et al. "Design and Testing of SMPS in Accordance with IEC 61000-4-11 Standard with Measurement Uncertainty", MAPAN. https://doi.org/10.1007/s12647-021-00492-8, 2021. **SCIE, IF: 1.446**

4. Yadav, D., S. Mann, and A. Balyan. "Waste management model for COVID-19: recommendations for future threats." International Journal of Environmental Science and Technology (2022): 1-14. **SCIE, IF: 3.519**

5. Sharma, G., Joshi, A. M., Yadav, D., & Mohanty, S. P. (2023). A Smart Healthcare Framework for Accurate Detection of Schizophrenia using Multi-Channel EEG. IEEE Transactions on Instrumentation and Measurement.

Papers presented in Conferences

1. Yadav, Deepshikha, and Vandana Nath. "A Helping Stick for the Blind Which Detects Obstacle and Locate the Current Position." In Proceedings *ICCE* 2012.
2. Yadav, D. and Azad, P., 2017, May. Design and implementation of robust low cost and low power prototype for generic counting system. In *2017 International Conference on Computing, Communication and Automation (ICCCA)* (pp. 1493-1498). IEEE.
3. D. Yadav and P. Azad, "Experimental Analysis of Power Generation for Ultra-Low Power Wireless Sensor Nodes Using Various Coatings on Thermoelectric Energy Harvester," 2019 6th International Conference on Signal Processing and Integrated Networks (SPIN), 2019, pp. 13-17, doi: 10.1109/SPIN.2019.8711483.
4. Yadav, Deepshikha, and Puneet Azad. "Design and Performance Comparison of Effect of Different Switching Sources on Thermoelectric Energy Harvesting Using Single-Inductor Boost Converters." *ECS Transactions* 107, no. 1 (2022): 3855, 2021.
5. Yadav, D. and Gupta, R., 2022. Double-Layer Secured Automatic Home Access System with Gas Detector Sensor Using Raspberry Pi and Python. In *Recent Advances in Metrology: Select Proceedings of AdMet 2021* (pp. 241-248). Singapore: Springer Nature Singapore.
6. Mann, S., Yadav, D., & Rathee, D. (2023, March). Identification of Racial Propaganda in Tweets Using Sentimental Analysis Models: A Comparative Study. In Doctoral Symposium on Computational Intelligence (pp. 327-341). Singapore: Springer Nature Singapore.

Awards and Recognitions

1. 1st Prize in inter college project competition 2014 by GGSIPU
2. 3rd Prize in inter college project competition 2014 by GGSIPU
3. Honour of Excellence 2023 award by Career Disha
4. Excellence in Research Award, 2018 by MSIT
5. Excellence in Research Award, 2022 by MSIT
6. Excellence in Research Award, 2023 by MSIT

Patent/Copyright

1. Wi-Fi based home automation system using Google assistance
2. A System & Method for Smart Agriculture through IoT Paraphernalia based on ML

Memberships of Professional bodies:
1. Lifetime member of ISTE
2. Member, IETE