

## Faculty Profile

Name : Dr. Medhavi Malik  
Designation : Assistant Professor  
Qualifications : Ph.D (CS)  
Phone : 011-45037193  
Email :  
Area of Interest/Specialization: Computer Networks, Cloud Computing,  
Mobile Computing  
Experience : 7 years



### Key Publications

1. Ansh Shankar, Medhavi Malik, “Predicting Person’s Pay using Machine Learning” IEEE Xplore, INSPEC Accession Number: 22882480, ISBN:978-1-6654-7437-5, DOI: [10.1109/ICAC3N56670.2022.10074407](https://doi.org/10.1109/ICAC3N56670.2022.10074407) (IEEE 2023).
2. Medhavi Malik et. al. ,” Deep Learning Model for the Image Fusion and Accurate Classification of Remote Sensing Images” Journal of computational intelligence and neuroscience, Volume 2022 | Article ID 2668567 | <https://doi.org/10.1155/2022/2668567> [SCI]
3. Medhavi Malik, Mohit Kumar, Sarvesh Kumar, “High level browser security in cloud computing services from cross site scripting attacks” Journal of Discrete Mathematical Sciences and Cryptography, Volume 25, Issue 4 (2022). [Scopus]
4. Dr. Medhavi Malik, ”E-Learning platform for music instruments: Advantages and challenges”, International Journal of Health Sciences, 2550-6978, April 2022. [Scopus]
5. Puneet Bansal, Kashish Gupta, Dr. Medhavi Malik, ”COVID-19 real-time tracker and analytical report”, International Journal of Health Sciences, 2550-6978, April 2022. [Scopus]
6. Medhavi Malik, Dr. Kavita, VIDEO PROCESSING AND ITS APPLICATION, Sambodhi (UGC Care Journal), Volume-43, Issue No.-4, (N) October-December (2020).
7. Medhavi Malik, Dr. Kavita, REVIEW ON DIGITAL IMAGE PROCESSING, Sambodhi (UGC Care Journal), Volume-43, Issue No.-4, (N) October-December (2020) .
8. Arnob Chowdhury, Kamal Gupta, Bhavya Sharma, Medhavi Malik, Malaria Disease Detection Based On Segmentation And Classification Of A Cell Image, in Solid State Technology, Volume 63, Issue 2s, November 2020.[Scopus].
9. Praffulla Kumar Dubey, Udbhav Naryani, Medhavi Malik, Determining the Countries Prepared for a Future Pandemic Based on Analysis and Visualization of Novel COVID-19, International Journal of Scientific Research & Engineering Trends, Volume 6, Issue 2, Mar-Apr-2020.
10. Udbhav Naryani, Praffulla Kumar Dubey, Medhavi Malik, Analysis of Health-Care Capabilities of Different Countries in Order to Determine their Preparedness for COVID-19 Virus, International Research Journal of Engineering and Technology (IRJET), Volume 7, April 2020.
11. Praffulla Kumar Dubey, Udbhav Naryani , Mihir Sinha, Medhavi Malik, Role of Various 4IR Technologies for Analysis and Prevention of Novel Covid-19 Virus, International Research Journal of Engineering and Technology (IRJET), Volume 7, April 2020.
12. Naman Chauhan, Medhavi Malik, Home Automation With NoSQL and Node-RED Through Message Queuing Telemetry Transport, **Book Name:** Intelligent Computing and Applications, Springer, September 2020. [SPRINGER]

13. Madhuri Sharma, Medhavi Malik, Use of RNN in Devangari Script, **Book Name:** Intelligent Computing and Applications, Springer, September 2020. [**SPRINGER**]
14. Anjali Pandey, Yagyiyaraj Singh, Medhavi Malik, **Design and Development of Home Automation System**, **Book Name:** Intelligent Computing and Applications, Springer, September 2020. [**SPRINGER**]
15. Medhavi Malik, Barsha Kumari, Madhuri Sharma, Steps: To Make NLP more enhanced by new techniques” has been accepted and published in “International Journal of Engineering and Advanced Technology (IJEAT), Volume 8, Issue 2S2, page 47-51, January 2019. [ **Scopus**]
16. Madhuri Sharma, Medhavi Malik, Neha Gupta An Efficient & Learning Approach of POS Tagging using Rule-Based for Devanagari Script, International Journal of Innovative Technology and Exploring Engineering (IJITEE) , Volume-8, Issue-7C2, May 2019. [ **Scopus**]
17. Medhavi Malik, Tripti Pandey, Ajay Singh Yadav, Security Mechanism implemented in Gateway Service Providers, International Journal of Engineering and Advanced Technology (IJEAT), Volume-7, Issue-6S4, April (2019) [ **Scopus**].
18. Tripti Pandey, Ajay Singh Yadav, Medhavi Malik, An Analysis Marble Industry Inventory Optimization Based on Genetic Algorithms and Particle swarm optimization, International Journal of Engineering and Advanced Technology (IJEAT), Volume-7, Issue-6S4, April (2019) [ **Scopus**].
19. Ajay Singh Yadav, Jitendra Kumar, Medhavi Malik, Tripti Pandey, Supply Chain of Chemical Industry For Warehouse With Distribution Centres Using Artificial Bee Colony Algorithm, International Journal of Engineering and Advanced Technology (IJEAT), Volume-8, Issue-2S2, January (2019) [ **Scopus**].
20. Damini Khurana, Medhavi Malik, Number Plate Detection: A Complete Review, International Journal of Engineering Technology and Computer Research, Volume 6, Issue 3, June 2018.
21. Medhavi Malik, Ashu Sharma, Jitendra Joshi, "Secure Data Transmission using RC6 Algorithm in Multimedia Format" has been accepted in "Journal of Advanced Research in Dynamical and Control Systems (Scopus Indexed)", Issue-4 (special issue), May-2018. [ **Scopus**]
22. Jitendra Joshi, Ashu Sharma, Medhavi Malik, “Deploying Efficiently MapReduce Applications in Heterogeneous Computing Environments using Novel Scheduling Algorithms” GADL Journal of Inventions in Computer Science and Communication Technology (JICSCT) Volume 4, Issue 2, 2, March - April – 2018.
23. Medhavi Malik, Shalini Pathak, “An Approach to IMPROVING THE PRICE EFFECTIVE TESTING METHOD FOR REGRESSION TESTING EXPLOITATION METAHEURISTIC TECHNIQUE” International Journal of Engineering Technology and Computer Research (IJETCR) Volume 5, issue 5, September-October: 2017.
24. Pramod Sharma, Medhavi Malik, “A Review on different types of Wireless Sensor Networks” International Journal of Research and Analytical Reviews (IJRAR) Volume 4, issue 4, October 2017.
25. Shalini, Medhavi Malik, “An Optimized Round Robin-Multilevel Feedback Queue-Survey” International Journal of Engineering Technology and Computer Research (IJETCR) Volume 5, issue 5, September-October: 2017.
26. Medhavi Malik, Rupika Dureja, “A Survey of Challenges in selection of Vehicular Mobility Models in VANET” International Journal of Engineering and Techniques volume 1, issue no. 5, October 2015.
27. Rupika Dureja, Medhavi Malik, “Routing in Wireless Sensor Networks: A Review” International Journal of Emerging Research in Management & Technology volume 4, issue no. 10, October 2015.

#### Awards and Recognitions

1. Academic Appreciation award by the jury committee of ETC DWP-2018, National Conference held on 27-29 April 2018 at Jayoti Vidyapeeth Women’s University, Jaipur.
2. Shortlisted for the direct interview at IIT Patna for Phd.

3. Organized a quiz competition “Mega Minds-2017” in Shri Ram College, Muzaffarnagar.
4. Successfully completed 1 year dissertation from Jawaharlal Nehru University (JNU ), New Delhi.
5. Awarded PYARELAL KANSAL MEMORIAL GOLD MEDAL by ABES Engineering College.

#### Patent/Copyright

1. Title of the invention : VIRTUAL FAULT LOCATOR. Date of Publishing: 30/08/2023. Design Number 386492-001.(INDIAN PATENT WITH GRANT CERTIFICATE)
2. Title of the invention : INTELLIGENT SYSTEM FOR BLOCKED CALL DETECTION AND CONTROLLING BASED ON MACHINE LEARNING . Date of Publishing:30/06/2022. Application no. 202022103191. (GERMAN PATENT)
3. Title of the invention : AN ARTIFICIAL INTELLIGENCE (AI) BASED SYSTEM FOR USER CLASSIFICATION AND IDENTIFICATION FOR PROVIDING REWARDS TO USER AND METHOD THEREOF. Date of Publishing: 11/06/2021. Application No. 202111023392.
4. Title of the invention : VEP-SURVEILLANCE SYSTEM: VIDEO SURVEILLANCE SYSTEM ENSURING HIGHER LEVEL PRIVACY OF PEOPLE. Date of publishing: 28/08/2020. Application No.202011030090.
5. Title of the invention : A DEVELOPMENT OF AN INTELLIGENT MOBILE APPLICATION INTERGRATED SMART ENERGY METERS THROUGH IOT. Publication Date : 28/08/2020. Application No.202011031041.
6. Title of the invention : IMPROVING THE QUALITY OF HEALTH CARE BY SMART GLASS USING CLOUD COMPUTING. Publication Date : 28/08/2020. Application No. 202011031451.
7. Title of the invention : IOT BASED WRISTWATCH FOR PATIENT HEALTHCARE MONITORING USING DEEP LEARNING COMPRISING. Publication Date : 17/09/2020. Application No. 202011040228.

#### Memberships of Professional bodies

1. ACM.
2. International Associations of Engineers.
3. Institute of Research Engineers and Doctors.