

Dr. Waseemullah

Assistant Professor,
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OBJECTIVE

To research in the area of Artificial Intelligence with special Deep Learning /Computer Vision and to explore and teach cutting-edge technologies in Computer Science and Information Technology.

EXPERIENCE Assistant Professor Dec 2019 To till to date

Department of Computer Science & Information Technology, NED University of Engineering & Technology.

Lecturer June 2010 To 6-12-2019

Department of Computer Science & Information Technology, NED University of Engineering & Technology.

- Subjects taught
 - Deep Learning
 - Image processing
 - Image Processing and Computer Vision
 - Programming Languages/Fundamentals (C, PYTHON)
 - Object Oriented Programming (C++, PYTHON)
 - Visual Programming (C# CONSOLE, WINFORMS, CRYSTAL REPORTS)
 - Database Management Systems (ORACLE DATABASE, FORMS, REPORTS).
 - Web Engineering (HTML, DHTML, CSS, JAVASCRIPT, PHP, ASP.NET).
 - Fundamentals of Information Technology
 - Compiler Design

IT Manager 15 March 2005 to 24 Jun 2010

Department of Computer Science & Information Technology, NED University of Engineering & Technology.

EDUCATIONAL QUALIFICATION

Ph.D. COMPUTER VISION 2019

NED University of Engineering & Technology.

Concentration: Computer Vision, Image and Video Processing

Master of Computer Science and Information Technology 2008

NED University of Engineering & Technology.

Concentration: Software Engineering, Databases

Bachelor of Computer Science & Information Technology 2005

NED University of Engineering & Technology.

Concentration: Software Engineering, Databases

Selected Publications

(more publications <https://scholar.google.com/citations?user=YowabvIAAAAJ&hl=en>)

1. Kazi, A.K.; Khan, S.M.; **Waseemullah**; Farooq, U.; Hina, S. Compacted Area with Effective Links (CAEL) for Data Dissemination in VANETs. *Sensors* **2022**, *22*, 3448. [Impact Factor: 3.576]
2. **Waseemullah**; Fatima, Z.; Zardari, S.; Fahim, M.; Andleeb Siddiqui, M.; Ibrahim, A.A.A.; Nisar, K.; Naz, L.F. A Novel Approach for Semantic Extractive Text Summarization. *Appl. Sci.* **2022**, *12*, 4479. [Impact Factor: 2.697]
3. Fatima Z, Tanveer MH, **Waseemullah**, Zardari S, Naz LF, Khadim H, Ahmed N, Tahir M. Production Plant and Warehouse Automation with IoT and Industry 5.0. *Applied Sciences*. 2022 Feb 16;12(4):2053. [Impact Factor: 2.697]
4. M. F. Hyder, . **Waseemullah**, and M. U. Farooq, "Towards Countering the Insider Reconnaissance Using a Combination of Shuffling and Diversity Moving Target Defense Techniques", *Eng. Technol. Appl. Sci. Res.*, vol. 11, no. 6, pp. 7745–7749, Dec. 2021.
5. **Waseemullah** ,Hyder, Muhammad Faraz, Maria Andleeb Siddiqui, and Muhammad Mukarram. "TV Ad Detection Using the Base64 Encoding Technique." *Engineering, Technology & Applied Science Research* 11, no. 5 (2021): 7605-7609.

6. Hyder, Muhammad Faraz, **Waseemullah**, Muhammad Umer Farooq, Usama Ahmed, and Wajahat Raza. "Towards Enhancing the Endpoint Security using Moving Target Defense (Shuffle-based Approach) in Software Defined Networking." *Engineering, Technology & Applied Science Research* 11, no. 4 (2021): 7483-7488.
7. Hyder, Muhammad Faraz, Syeda Tooba, **Waseemullah**. "Performance Evaluation of RSA-based Secure Cloud Storage Protocol using OpenStack." *Engineering, Technology & Applied Science Research* 11, no. 4 (2021): 7321-7325.
8. Hamid, M. A., Alhaidari, **Waseemullah**, Khan, N. A., Usmani, B. A., & Raza, S. M. W. (2020). Dynamic changes of multiple sclerosis lesions on T2-FLAIR MRI using digital image processing. *International Journal of Advanced Computer Science and Applications*, 11(2), 200-209.
9. **Waseemullah**, Najeed Ahmed Khan, and Umair Amin. "Unsupervised Ads Detection in TV Transmissions." *International Journal Of Advanced Computer Science And Applications* 9.4 (2018): 380-386.
10. Khan, Najeed Ahmed, Umair Amin, **Waseemullah** and Muhammad Umer. "Unsupervised Commercials Identification in Videos." *International Journal Of Advanced Computer Science And Applications* 8.2 (2017): 127-133.

PhD scholars under supervision

SR. NO	SCHOLAR NAME	RESEARCH TITLE
1.	Adnan Ahmed	Investigating The Efficient Electroencephalogram Signals Interpretation Into Text Using Machine Learning
2.	Syed Rafiq Ul Hoda	Prediction of students' career selection while taking admission to an engineering university
3.	Fajila	Machine Learning based Climate Prediction on the basis of Pole Drifting Theory
4.	Nimra Iqbal	Investigating the Factors Influencing University Admission using Data Mining & Machine Learning Techniques & Algorithms

MS THESIS SUPERVISOR

Supervised MS Thesis in Department of Computer Science & Information Technology, NED University.

1. Mr. Muhammad Bilal Saeed "Analysis, Comparison and Prediction of Health Diseases using Data Mining" 2018
2. Mr. Shahzaib Khan "Comparative study of Data Mining Classification Techniques Applied to Breast Cancer Data" 2018
3. Ms. Humera Mehfooz Khan "Analysis of 3D Building Construction applications in Augmented Reality" 2020.
4. Mr. Muhammad Faheem "Extractive Text Summarization", 2020.
5. Mr. Faraz Abdul Basir, "Animated Game-based Learning of Data Structures in Professional Education", 2021
6. Ms. Nazish Ali, "Early Flagging of Acute Leukemias the Convergence of Cell Population Data Using Machine Learning approaches", 2021
7. Mr. Shahzad Rasool, "Sindhi Parts of Speech Tagging Using Deep Learning", 2021
8. Mohsin Khan, "Obstacle detection for Intelligent cars using deep learning.", 2022
9. Syed Ausaf Hussain "Distance Estimation Using Machine Learning Techniques", 2022
10. Saba Manzoor "Prediction of Heart Disease using Data Mining and Machine Learning", 2022
11. Mehwish Shafiq Patel "Exploring Machine Learning Approaches To Identify Students Attentiveness In Classrooms", 2022
12. Javeria Ali "Machine Learning Approaches for prediction of nutritional deficiency among women of different age groups", 2022
13. Muhammad Umair Baig, "An Investigation towards Applications of Machine Learning and AI Algorithms on Financial Portfolio Management and Optimization", 2023
14. Noor Afshan "Research Analysis of ANN model in combination with data mining techniques for the prediction of Stock market trends.", 2023
15. Rameez Ur Rehman Siddiqui "A ConvNet-based Object Detection for Unmanned Aerial Vehicles", 2023

RESEARCH GRANTS/AWARDS

1. Research grant MoST Endowment Fund **Rs. 3.0 million, 2023-2024.**
2. Research grant MoST Endowment Fund **Rs. 3.0 million, 2016-2019.**
3. Financial reward from NED University for publishing paper "A Novel Approach for Semantic Extractive Text Summarization", **Rs. 100,000**, published in **2022.**
4. Financial reward from NED University for publishing paper "Production Plant and Warehouse Automation with IoT and Industry 5.0", **Rs. 100,000**, published in **2022.**

5. Financial reward from NED University for publishing paper “Compacted Area with Effective Links (CAEL) for Data Dissemination in VANETs. ”, **Rs. 100,000**, published in **2022**
6. Financial reward from NED University for publishing paper “Breast Cancer Prediction Using Data Mining Classification Technique”, **Rs. 30,000**, published in **2022**.
7. Financial reward from NED University for publishing paper “Animated Game-Based Learning of Data Structures In Professional Education”, **Rs. 30,000**, published in **2022**
8. Financial reward from NED University for publishing paper “TV Ad Detection Using the Base64 Encoding Technique”, **Rs. 30,000**, published in **2021**.
10. Financial reward from NED University for publishing paper “Dynamic changes of multiple sclerosis lesions on T2-FLAIR MRI using digital image processing”, **Rs. 30,000**, published in **2020**.
11. Financial reward from NED University for publishing paper “Unsupervised Ads Detection in TV Transmissions”, **Rs. 30,000**, published in **2018**.

REVIEWER

1. Intelligent Automation & Soft Computing, 871 Coronado Center Drive, Suite 200, Henderson, Nevada, 89052, USA. [Impact Factor 1.647] [Jan 17, 2022]
2. University of Sindh Journal of Information and Communication Technology (USJICT)
3. HEC CPEC- Collaborative Research Grant, Batch “RGMS 2019-2020”, May 2021.
4. NCETIET-2020: National Conference on Emerging Trends in Information and Engineering Technologies. Institute of Information and Communication Technology, Jamshoro, Pakistan, March 4-5, 2020

AWARDS & ACTIVITIES

Supervised Group of students from different universities of Pakistan in JENESYS. 2017
(JAPAN EAST-ASIA NETWORK OF EXCHANGE FOR STUDENTS AND YOUTHS)

Winner ProQuest 2003 Software Competition, Karachi University 2003

Cash Award The **Vice Chancellor** NED University of Engineering & Technology 2003

Engr. Abul Kalam sanction cash award for Winning “All Pakistan Software Competition. (ProQuest)” held at Karachi University.