



Engr. Dr. Mustafa Latif

Assistant Professor (Software Engineering)

NED University of Engineering & Technology, Karachi, Pakistan.

Email: mustafalatif@neduet.edu.pk

Cell: +92-313-2062757

EDUCATION

- 2022** **Ph.D.**, Computer Systems Engineering, **NED University of Engineering & Technology**, Karachi, Pakistan.
Thesis: Use of Hyper-heuristic in Automatic Design Space Exploration for Embedded System
- 2014** **M. Engg.**, Computer Systems Engineering, **NED University of Engineering and Technology**, Karachi, Pakistan. (Specialization: Computer Networks & Performance Evaluation)
- 2010** **BE**, Computer & Information Systems Engineering, **NED University of Engineering and Technology**, Karachi, Pakistan.

PROFESSIONAL EXPERIENCE

1. Assistant Professor (March 2018 till date)
Department of Software Engineering, NED University of Engineering & Technology
2. IT Manager, Engr. Abul Kalam Library (May 2013 to March 2018)
Department of Computer & Information Systems Engineering, NED University of Engineering & Technology
3. IT Manager, Central Library (February 2011 to May 2013)
Department of Computer & Information Systems Engineering, NED University of Engineering & Technology

RESEARCH PUBLICATIONS

	Publication Details
1.	Hassan Zaidi, S. M., Khan, M., Latif , M., Akhtar, A., & Khan, S. (2025). Use of deep learning in early software bug detection. Mehran University Research Journal of Engineering and Technology, 44(3), 141-151. DOI: https://doi.org/10.22581/muet1982.0331
2.	Siddiqui, T., Latif, M. , Farooq, M. U., Baig, M. A., & Hassan, Y. S. (2024). Chronic Obstructive Pulmonary Disease Diagnosis with Bagging Ensemble Learning and ANN Classifiers. Engineering, Technology & Applied Science Research, 14(3), 14741-14746. DOI: https://doi.org/10.48084/etasr.7106
3.	Bashir, S., Sattar, S. A., Farooq, M. U., Ahmed, S., & Latif, M. (2024). Prediction of Next Word in Balochi Language Using N-gram Model. Sukkur IBA Journal of Computing and Mathematical Sciences, 7(2), 48-63. DOI: https://doi.org/10.30537/sjcms.v7i2.1273
4.	Hyder, M. F., Ahmed, S. H., Latif, M. , Aslam, K., Rab, Ata. U., & Siddiqui, M. T. (2023). Towards Digital Forensics Investigation of WordPress Applications Running Over Kubernetes. IETE Journal of Research, 70(4), 3856-3871. DOI: https://doi.org/10.1080/03772063.2023.2195837
5.	Raza, A., Latif, M. , Farooq, M. U., Baig, M. A., & Akhtar, M. A. (2023). Enabling context-based AI in chatbots for conveying personalized interdisciplinary knowledge to users. Engineering, Technology & Applied Science Research, 13(6), 12231-12236. DOI: https://doi.org/10.48084/etasr.6313
6.	Hyder, M. F., Farooq, M. U., Latif, M. , Khan, F. R., Hameed, A., Khan, N. Q., & Siddiqui, M. A. (2023). Implementing Firewall to Mitigate YOYO Attack on Multi Master Cluster Nodes Using Fail2Ban.

	International journal of computer science and network security: IJCSNS, 23(2), 126-132. DOI: https://dx.doi.org/10.22937/IJCSNS.2023.23.2.13
7.	Farooq, M. U., Latif, M. , Baig, M. A., Akhtar, M. A., & Sana, N. (2023). An Application of Machine Learning in Retail for Demand Forecasting. International Journal of Computer Science & Network Security, 23(9), 1-7. DOI: https://dx.doi.org/10.22937/IJCSNS.2023.23.9.1
8.	Farooq, M. U., Kazi, A. K., Latif, M. , Alauddin, S., Kisa-e-Zehra, K. E. Z., & Baig, M. A. (2022). Intelligent Character Recognition System for Account Payable by using SVM and RBF Kernel. <i>International journal of computer science and network security: IJCSNS</i> , 22(11), 213-221. DOI: https://doi.org/10.22937/ijcsns.2022.22.11.31
9.	Farooq, M. U., Ahmed, S., Latif, M. , Jawaid, D., Khan, M. Z., & Khan, Y. (2022). Detection and Recognition of Vehicle License Plates using Deep Learning in Video Surveillance. International journal of computer science and network security: IJCSNS, 22(11), 121-126. DOI: https://doi.org/10.22937/ijcsns.2022.22.11.17
10.	Latif, M. , & Ismail, M. A. (2019). Towards Multi-objective Optimization of Automatic Design Space Exploration for Computer Architecture through Hyper-heuristic. Engineering, Technology & Applied Science Research, 9(3), 4292-4297. DOI: https://doi.org/10.48084/etasr.2738

PROFESSIONAL MEMBERSHIPS

- PAKISTAN ENGINEERING COUNCIL (COMP / 7952).

HONOURS & ACTIVITIES

- **4th International Conference on Innovations in Computer Science (ICONICS'24)**
 - Member, Technical Program Committee
- **3rd International Conference on Innovations in Computer Science & Software Engineering (ICONICS-2022)**
 - Member, Technical Program Committee
- **2nd International Conference on Innovations in Computer Science & Software Engineering (ICONICS-2018)**
 - Member, Organizing Committee

TRAININGS ATTENDED

- Effective Ph. D. Supervision
- Development of SAR as per HEC Guidelines
- Quality Management System
- Teaching Case Studies
- OBE System Framework
- Online Evaluation & Assessment of Students
- Management of Online Classes (Operation + Security)
- Importance of Feedback Analysis