

CURRICULUM VITAE – Engr. Junaid Ahmed Umrani Baloch

PERSONAL INFORMATION

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EDUCATION

2021 (Ongoing) **PhD Software Engineering**
 Mehran University of Engineering & Technology, Jamshoro, Pakistan.

2017 **Master of Engineering in Software Engineering**
 Mehran University of Engineering & Technology, Jamshoro, Pakistan.

2011 **Bachelor of Engineering in Software Engineering**
 Mehran University of Engineering & Technology, Jamshoro, Pakistan.

RELEVANT WORK & EXPERIENCE

Aug. 2018 (Ongoing) **Assistant Professor**
 Department of Software Engineering,
 Mehran University of Engineering and Technology, Jamshoro, Pakistan.

Responsibilities:

- Research
- Designing/conducting lectures and workshops.
- Supervising undergraduate and postgraduate projects.
- Evaluating and marking student reports.
- Class advisor (mentor) to first-year students.
- Designing technical training modules related to Oracle Java+ Angular, Cloud Computing – AWS, E-Commerce, Advanced Python Programming & Applications, and Certificate in IT (CIT) Web & Mobile Application Development in partnership with the National Vocational & Technical Training Commission (NAVTTTC) Pakistan.

Subjects Taught: Data Structures, Software Testing & Quality Assurance, Software Project Management, Advanced Software Requirement Engineering, Web Development & Engineering, Management Information System, and Professional Practices.

Jul. 2014 – Aug. 2018 **Lecturer**
 Department of Software Engineering,
 Mehran University of Engineering and Technology, Jamshoro, Pakistan.

Responsibilities:

- Conducting classes and lab sessions.
- Evaluating and marking student reports.
- Supervising undergraduate capstone projects.

Subjects Taught: Management Information System, Software Economics & Management, Software Requirement Engineering, Mobile Programming, Digital Computer & Logic Design, Object Oriented Programming, and Database Management Systems.

Apr. 2012 – Jun. 2014

Software Engineer

MIT Software Solution, Hyderabad, Pakistan.

Responsibilities:

- Requirements definition and analysis.
- Designing and developing software applications.
- Interface design.
- Software testing and quality assurance.
- Software maintenance and debugging.

ACADEMIC GOVERNANCE & ADMINISTRATION ROLES

Apr. 2022 to Present	Member, Hostel allotment committee, MUET
Mar. 2022 to Present	Member oversight committee of Green Youth Moment (GYM) Clubs of Prime Minister's Kamyab Jawan Program, MUET.
Mar. 2022 to Present	Deputy Advisor, Student Affairs & Career Counselling to the Vice Chancellor, MUET.
Oct. 2017 to Jan.2025	Departmental Focal Person for Student Financial Aid Office (SFAO), MUET.
Jul. 2015 to present	Class Advisor (mentor) to First Year students of the Department.

PROFESSIONAL MEMBERSHIPS

2011 to Present	Registered Engineer, Pakistan Engineering Council.
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LANGUAGE

English, Urdu, Sindhi, Hindi and Siraiki

INTERNATIONAL JOURNAL & CONFERENCE PUBLICATIONS

1. **Junaid Baloch**, Sameer Salam, Memoona Sami, Shakeel Laghari, Haadi Bux, "Dual-Wavelength Q-switched EDF laser by using FIrpic as Saturable Absorber", *Global Conference on Wireless and Optical Technologies* 2024. DOI: [10.1109/GCWOT63882.2024.10805725](https://doi.org/10.1109/GCWOT63882.2024.10805725)
2. Memoona Sami, Dua Agha, **Junaid Baloch**, Amirita Dewani, Kohal Deep Maheshwari, "Efficient Object Detection and Voice-Assisted Navigation for the Visually Impaired: The Smart Hat Approach". *Sukkur IBA Journal of Computing and Mathematical Sciences*, 8(2) 2024, 1-12.)
3. Jatoi, Asad, Memoona Sami, Muzamil Nawaz, and **Junaid Baloch**, "An Intuitive Implementation of Course Recommendation System Based on Learner's Personality." *Acta Scientific Computer Science Volume* 4, no. 5 (2022).

4. **Junaid Baloch**, Memoona Sami, Rabeea Jaffari, Amirita Dewani, “An Efficient Approach for Predicting Shortest Path to Travel over Road Traffic”, In the 14th Asia Pacific International Conference on Information Science & Technology (APIC-IST 2019), Beijing, China, June 2019.
5. Memoona Sami, **Junaid Baloch**, Mariam Jawaid, Rabeea Jaffari, Isma Farah Siddiqui, “LERNEN, Connecting Professionals and Students.”, In the 14th Asia Pacific International Conference on Information Science & Technology (APIC-IST 2019), Beijing, China, June 2019.
6. Memoona Sami, Sania Bhatti, **Junaid Baloch**, Shehram Shah, “How to Keep Your Systems Records Safe”, International Journal of Information Technology, Springer, January 2018, Vol 1, No 4
7. Memoona Sami, Shahzad Nizamani, Sania Bhatti, **Junaid Baloch**, “An Automated Framework for Finding Fake Accounts on Facebook”, International Journal of Advanced Studies in Computer Science and Engineering, *ISSN : 2278 7917* February 2018, Vol 7 No 02.
8. Samiullah Jatoi, M.Aamir Panhwar, M. Sulleman Memon, **Junaid Ahmed Baloch**, Salahuddin Saddar, “Mining Complete Blood Count Reports for Disease Discovery”, International Journal of Computer Science and Network Security, VOL 18 No 1, January 2018.
9. Salahuddin Saddar, **Junaid Baloch**, Memoona Sami, Nasrullah Pirzada, "Evaluating Performance Of Hibernate ORM-Based Application Using HQL Query Optimization", "Oriental Journal Of Computer Science and Technology", ISSN: 0974-6471, Online ISSN: 2320-8481.
10. Moazzam Jawaid, Sanam Narejo, Nasrullah Pirzada, **Junaid Baloch**, C.C. Rayes-Aldasoro, Grey Slabaugh, "Automated Quantification of Non-Calcified Coronary Plaques in Cardiac CT Angiographic Imagery", International Journal of Advanced Computer Science and Applications Vol 9 No 7, January 2018.