CURRICULUM VITAE

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Dr. Muhammad Imran Babar

Education:

PhDSoftware Engineering, June 2015 (Gold Medal)
Universiti Teknologi Malaysia, Skudai Johor, Malaysia
(Specialization in Software Requirements Engineering)

MS Software Engineering, Jan 2012
International Islamic University, Islamabad, Pakistan
(Specialization in Software Requirements Engineering)

Research Interests:

- *Software Requirements Engineering*
- *Empirical Software Engineering*
- *Decision Support Systems*
- *Expert Systems*
- *Software Testing*

Experience:

August 2015 to Today
Army Public College of Management & Sciences/ UET Taxila Pakistan
Head of Academics/Assistant Professor

SEM 1 SESSION 2013/2014
Universiti Teknologi Malaysia
Graduate Assistant

SEM 1 SESSION 2012/2013
Universiti Teknologi Malaysia
Graduate Assistant

6+ Years Industry Experience
Software Development

Awards:

- **Alumni Academic Award**, October, 2015, Convocation 55, UTM, Malaysia
- **Best PhD Student Award**, October, 2015, Convocation 55, UTM, Malaysia
- **Best Presenter Award,** September, 2014. In the 10th Postgraduate Annual Research Seminar (PARS) 2014. Faculty of Computing, UTM, Malaysia

- **Best Presenter Award,** 29th September, 2013. In the 9th Postgraduate Annual Research Seminar (PARS) 2013. Faculty of Computing, UTM, Malaysia
- **Best Artificial Intelligence Project Award,** on 15th June 2013, by Faculty of Computing, UTM, Malaysia.
- **International Doctoral Fellowship Award** UTM, Malaysia
- **PhD Indigenous Scholarship Award** by Higher Education Commission of Pakistan

Certificates of Appreciation:

- **Contributor as Student Volunteer,** Malaysian Software Engineering Conference (MySEC), September 2014. IEEE. Langkawi, Malaysia.
- **Session Chair,** September, 2014. In the 10th Postgraduate Annual Research Seminar (PARS) 2014. Faculty of Computing, UTM, Malaysia

Publications:

- **Babar, M. I.**, Ghazali, M, Dayang N. A. Jawawi, Noraini Ibrahim, Shamsuddin S. M., (2015). PHandler: An expert decision support system for a scalable software requirements prioritization process. *Knowledge-Based Systems*. **(Scopus and ISI Indexed/IF: 2.947)**.
- **Babar, M. I.**, Ghazali, M, Dayang N. A. Jawawi (2015). Risk-based software stakeholder quantification for value-based software using neural networks. *Journal of Theoretical and Applied Information Technology* **(Scopus Indexed)**.
- **Babar M. I.,** Masitah Ghazali, Dayang N.A. Jawawi, Kashif Bin Zaheer. "StakeMeter: Value-Based Stakeholder Identification and Quantification Framework for Value-Based Software Systems". *PLoS ONE*, 10(3). 2015. **(Scopus &ISI Indexed, IF 3.234)**

- **Babar M. I.,** Masitah Ghazali, Dayang N.A. Jawawi, Abubakar Elsafi. "Stakeholder Management in Value Based Software Development: A Systematic Review", *IET SOFTWARE*. 8(5).2014. **(Scopus&ISI Indexed, IF 0.595)**
- **Babar M. I.,** Masitah Ghazali, Dayang N.A. Jawawi. "Software Quality Enhancement for Value Based Systems through Stakeholders Quantification". *Journal of Theoretical and Applied Information Technology*, 30th September, 2013. Vol. 55 No. 3. www.jatit.org **(Scopus Indexed)**
- Younas Wahab, **Babar M. I.,** Shahbaz Ahmed. "Single Repository for Software Component Selection (SRSCS): A Reusable Software Component Selection Technique". *Journal of Theoretical and Applied Information Technology*, 15th April, 2011. Vol. 26 No. 1. www.jatit.org **(Scopus Indexed)**
- **Babar M. I.**, Shahbaz A.K. Ghayyur. "A Review of Value-based Requirement Engineering for Value Webs". International Journal of Reviews in Computing.Vol. 1. Dec. 2009. www.ijric.org.
- **Babar M. I.,** Masitah Ghazali, Dayang N.A. Jawawi. "Systematic Reviews in Requirements Engineering: A Systematic Review". MySEC September 2014. IEEE. Langkawi, Malaysia.
- Falak Sher, Dayang N.A. Jawawi, Radziah Mohamed, **Babar M. I.** Multi-Aspects Based Requirements Priortization Technique for Value-Based Software Development. ICET 2014. IEEE. Pakistan.
- Falak Sher, Dayang N.A. Jawawi, Radziah Mohamed, **Babar M. I.** "Requirements Prioritization Techniques and different Aspects for Prioritization: A Systematic Review". MySEC September 2014. IEEE. Langkawi, Malaysia.
- Arafat A. M. Elhag, M. A. Elshaikh, Radziah Mohamed, **Babar M. I**. "Problems and Future Trends of Software Process Improvement in Some Sudanese Software Organizations".ICCEEE 2013, IEEE, Khartoum, Sudan.
- **Babar M. I.,** Masitah Ghazali, Dayang N.A. Jawawi. "Considerations in Software Quality Enhancement for Value Based Systems". MySEC 2012. Malaysia.
- **Babar M. I.,** Muhammad Ramzan, Shahbaz A.K. Ghayyur. "Challenges and Future Trends in Software Requirements Prioritization" IEEE, ICCNIT. 11th-13th July 2011. Pakistan.
- **Babar M. I.,** Masitah Ghazali, Dayang N.A. Jawawi. "A bi-metric and fuzzy c-means based intelligent stakeholder quantification system for value-based software". In New Trends in Software Methodologies, Tools and Techniques, H. Fujita et al. (Eds.), 2014, pp. 295-309. IOS Press.