

# HAFIZ USAMA IMAD

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## EDUCATION

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- PhD Civil Engineering,**  
Mehran University of Engineering and technology. 2018-present  
**Thesis:** “not decided yet”
- MS Hydraulics, Irrigation and Drainage Engineering,**  
Mehran University of Engineering and technology. 2015-2017  
**Thesis:** “Willingness to pay for municipally supplied water services: A case study of Hyderabad”  
**Accomplishment:** Explored the potential of revenue collection from improved water services, geographical variation in quantity and quality of supplied water.
- BS Civil Engineering,** University of Engineering and Technology, Peshawar 2011-2015  
**Thesis:** “Typology of old Residential buildings in walled city of Peshawar”  
**Accomplishment:** Explored the use of timber as structural element, cross ties of wooden planks provided redundant support.

## WORK EXPERIENCE

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- Lecturer** at Civil Engineering Department  
Mehran University of Engineering and Technology  
Jamshoro 12/2019 - Present
- Lecturer** at Civil Engineering Department  
Isra University Hyderabad 11/2017-12/2019
- Research Associate** at USPCASW Mehran  
University of Engineering Technology Jamshoro. 05/2017 – 08/2017.
- Lecturer** at Govt. Monotechnic Institute  
Kohsar Latifabad Hyderabad 08/2017 – 11/2017.

## HONORS AND AWARDS

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Exchange Student at University of Utah, USA	03/2017-05/2017
Post-Graduation at United States Pakistan Center for Advanced Studies in Water, MUET, Jamshoro funded By USAID.	2015-2017

## RESEARCH EXPERIENCE

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<b>Economic evaluation of Thar coal Power Project</b> Advisor: Dr R.B Maher / Mr. Muhammad Ali Skills Achieved: Survey Design, Economic Analysis	2017
<b>Effects of Income and Education on Willingness to Pay</b> Advisor: Mr. Muhammad Ali Skills Achieved: Regression analysis	2017
<b>Bottled water usage in Hyderabad with reference to satisfaction.</b> University of Utah, USA Advisor: Dr. Tariq Banuri Skills Achieved: Making co-relations and Statistical analysis using R	2017
<b>Hydraulic Analysis of MUET Clean Water Project using EPANET</b> University of Utah, USA Advisor: Dr. Rick Cox Skills Achieved: Design and Analysis of Pipe Network on EPANET	2017
<b>Watershed Delineation and Runoff generation from Lyari River Catchment</b> Advisor: Dr. Abdul Latif Qureshi Skills Achieved: Hydraulic analysis and feature calculations using Hec-Geo-HMS and Hec-HMS, integration with GIS	2016
<b>Effect on Urban Sprawl on Temperature- Case Study of Karachi</b> Advisor: Mr. Waqas Ahmed Pathan Skills Achieved: Resource Mapping and Statistical Analysis using GIS- technique	2016
<b>Evaluation of old residential buildings, in walled city of Peshawar</b> Advisor: Dr. Muhammad Ashraf Skills Achieved: Visual analysis, Determination of structural damage and cause	2015

## PUBLICATIONS

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## PUBLICATIONS

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### *Journal Publications*

1. Muhammad Akram Akhund, Nafees Ahmed Memon, Tauha Hussain Ali, Aftab Hameed Memon and **Hafiz Usama Imad**, “A Comprehensive Review on Waste Generating Attributes: Way Forward for Pakistan's Construction Industry,” Engineering Science and Technology International Research, Vol.2, No.3. Sept, ,2018. (**Wordcat**)
2. Ali Raza Khoso, Nafees Ahmed Memon, Pervez Shaikh, Muhammad Akram Akhund, **Hafiz Usama Imad** “Decision Criteria for Contractor’s Prequalification in Pakistan’s Public Sector Projects”, International Journal of Construction Supply Chain Management, (2018), (Scopus Indexed), (**In Review**)
3. Muhammad Akram Akhund, Fida Siddiqui, Ali Raza Khoso, **Hafiz Usama Imad**, "Constructor’s Viewpoint for Sources of Cost Overrun: A Case Study of Public Sector Construction Projects of Pakistan", Jordan Journal of Civil Engineering (2018), (ISI Indexed), (**In Review**)
4. **Hafiz Usama Imad**, Muhammad Ali, Muhammad Akram Akhund, Muhammmad Shahbaz Rajper, Asmatullah, “Preference Of Hyderabad’s People For Drinking Water Source”, Indian Journal of Science and Technology, (2018), (ISI Indexed).
5. Halar Zaman, Rubab Saher, **Hafiz Usama Imad**, Moazzam Rind. “Effect of Urban Sprawl on Temperature-Case Study of Karachi”, International Journal of emerging technology and advanced engineering. Volume 7, Issue 4.
6. Salman Ahmed, Aftab Hameed Memon, Noor Ahmed Memon, Abdul Nasir Laghari, Muhammad Akram Akhund, **Hafiz Usama Imad**. “Common Factors of Cost Escalation in Construction Industry of Pakistan”, Engineering, Technology & Applied Science Research, Vol 8 No. 6, 20187, pp3508-3511.
7. Aftab Hameed Memon , Ismail Abdul Rahman , Muhammad Akram Akhund , Ahmed Khan Abro & **Hafiz Usama Imad**. “Risk Level of the Factors Affecting the Quality of Construction Projects in Pakistan”, Indian Journal of Science and Technology, Vol 11 No. 48, (2018).
8. Aftab Hameed Memon, Muhammad Akram Akhund, Abdul Nasir Laghari, **Hafiz Usama Imad** and Shadab Noor Bhangwar. “Adoptability of Lean Construction Techniques in Pakistan’s Construction Industry”, Civil Engineering Journal, Vol 4, No.10, pp 2328-2337.
9. Muhammad AKram Akhund, Aftab Hameed Memon, **Hafiz Usama Imad**, Fida Siddiqui & Ali Raza Khoso. “Motivational Factors for the Implementation of ISO-9001 in Construction Firms of Pakistan”, Civil Engineering Journal, Vol 4, No. 9, pp. 2023-2033.
10. Muhammad Akram Akhund, Ali Raza Khoso, Ashfaq Ahmed Pathan, **Hafiz Usama Imad** & Fida Siddiqui. “Risk Attributes, Influencing the Time and Cost Overrun in Joint Venture

Construction Projects of Pakistan”, Engineering, Technology & Applied Science Research, Vol 8 No. 4 (2018), pp. 3260-3264.

11. Fida Siddiqui, Muhammad Akram Akhund, Aftab Hameed Memon, Ali Raza Khoso, **Hafiz Usama Imad**. “Health and Safety Issues of Industry Workmen.” Engineering, Technology & Applied Science Research, Vol 8 No. 4 (2018), pp. 3184-3188.
12. Muhammad Akram Akhund, **Hafiz Usama Imad**, Nafees Ahmed Memon, Fida Hussain Siddiqui, Ali Raza Khoso & Abbas Ali Panhwar. “Contributing Factors of Time Overrun in Public Sector Construction Projects”, Engineering, Technology & Applied Science Research, Vol. 8, No. 5 (2018), pp. 3369-3372.
13. **Hafiz Usama Imad**, Muhammad Akram Akhund, Muhammad Ali, Ashfaque Pathan & Aftab Ahmed. “Non-Volumetric Pricing is a Threat to Water Reserves”, Civil Engineering Journal, Vol.5 No. 2, (2018).
14. Aftab Ahmed, Muhammad Arfan, **Hafiz Usama Imad**, Ashfaque Ahmed Pathan, Arif Asghar & Muhammad Halar Zaman. “Economic damages of rice crop due to flood 2010 and its mitigations in Larkana division using geo-spatial tools.”, International Journal of Advanced and Applied Sciences, Vol. 6, No. 6 (2019), pp. 70-77.
15. Muhammad Akram Akhund, Ali Raza Khoso, Jam Shahzaib Khan, **Hafiz Usama Imad** & Khan Muhammad Memon. “Prompting Cost Overrun Factors during PCP in Construction Projects”, Indian Journal of Science and Technology, Vol 12, No. 04. (2019)
16. Fida Siddiqui, Muhammad Akram Akhund, Nafees Ahmed Memon, Aftab Hameed Memon & **Hafiz Usama Imad**.” Barriers in Adoption of Building Information Modeling in Pakistan's Construction Industry.”, Indian Journal of Science and Technology, Vol. 12, No. 25, (2019)
17. Tauha Hussain Ali, Muhammad Akram Akhund, Nafees Ahmed Memon, Aftab Hameed Memon, **Hafiz Usama Imad** & Shabir Khahro. “Application of Artificial Intelligence in Construction Waste Management: A conceptual frame-work for effective waste management system”, International Journal of Management Reviews, Vol.1 No 1, (2019), pp. 50-55.

### *Conference Papers*

1. **Hafiz Usama Imad**, Muhamad Ali, Ashfaque Ahmed Pathan, Muhammad Akram Akhund Muhammad Shahbaz, “People’s Preferences for Water Supply: A Case Study of Hyderabad City”, 1st International Conference on Health and Environment, 21 - 22 March 2018 AIOU, Islamabad.
2. **Hafiz Usama Imad**, Muhammad Ali, & Asmatullah, “Willingness to Pay for municipally supplied water services; a case Study of Hyderabad City”, 1st young

- researcher's national conference on water and environment, 22 – 23 May 2017 USPCAS W, Mehran University. Jamshoro.
3. **Hafiz Usama Imad**, Muhammad Akram Akhund, Tauha Hussain Ali, Ali Raza Khoso, Fida Hussain Siddiqui. (2018), time overrun in pre-construction planning phase of construction projects. 20th international conference on civil engineering and environment, 10-11 Oct 2018, Chicago USA.
  4. Muhammad Akram Akhund, Aftab Hameed Memon, Nafees Ahmed Momon, Tauha Hussain Ali, Ali Raza Khoso & **Hafiz Usama Imad**, (2018). Exploring Types of Waste Generated: A Study of Construction Industry of Pakistan. International Conference on the Built Environment and Engineering, 29, 30 Oct 2018. Johor Bahru, Malaysia
  5. Tauha Hussain Ali, Muhammad Akram Akhund, Nafees Ahmed Memon, Aftab Hameed Memon, **Hafiz Usama Imad** & Shabir Khahro. “Application of Artificial Intelligence in Construction Waste Management”, International Conference on Industrial Technology and Management (ICITM 2019), 2-4 March 2019, Cambridge, UK.

#### **PROFESSIONAL AFFILIATIONS**

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- Pakistan Engineering Council as Registered Engineer (R.E)

#### **PROFESSIONAL SERVICE**

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##### **National Conference Co-Organizer**

- 1<sup>st</sup> National Conference on Water and Environment, USPCAS-W, Mehran UET, Jamshoro, Sindh, 2017.

##### **Member of Society of Water Managers**

- Organized World Water Day at MUET, Jamshoro

##### **Member of American Society for Civil Engineers**

- Worked as finance secretary

##### **Member of Institute for Civil Engineers**

- Organized leadership training at UET

##### **Member of literary and debating society**

- Organized event of KAWISH ( creativity through arts ) annually

#### **MODELLING & COMPUTER SKILLS**

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- EPANET
- MS Office (Word, Excel, power point, access)

- AutoCAD (Computer Aided Design)
- WEAP
- HEC HMS
- HEC Geo HMS
- MS project
- Primavera
- R (statistical software)
- MATLAB
- ETABS
- SAP
- ArcGIS (Geographical Information System)
- MODFLOW
- Statistical Package for the Social Sciences (SPSS)
- Arc Hydro
- Hydro desktop
- Drain mod

## REFERENCES

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**Prof. Dr. Ghous Bux Khaskheli**

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 Civil Engineering Department,  
 Isra University Hyderabad,  
 Cell Phone: 0300-3034880

**Prof. Dr. Ashfaque Ahmed Pathan**

Assistant Proffessor,  
 Civil Engineering Department,  
 MUET, Jamshoro  
 Cell Phone: 0333-390545