



# KHURRAM SHAHID MINHAS

## LECTURER

### Personal Data

Nationality	Pakistan
Date of Birth	20-05-1990
Department	Transportation And Traffic Engineering
Official UoD Email	<a href="mailto:ksminhas@iau.edu.sa">ksminhas@iau.edu.sa</a>
Office Phone No.	966533636922

### Language Proficiency

Language	Read	Write	Speak
Arabic	Good	Good	Average
English	Excellent	Excellent	Excellent
Urdu	Excellent	Excellent	Excellent
Punjabi	Excellent	Excellent	Excellent

### Academic Qualifications

Date	Academic Degree	Place of Issue	Address
February, 2018	M.Sc. Transportation Engineering	Pakistan	UET, Lahore
2009-2013	B.Sc. Honors. Transportation Engineering	Pakistan	UET, Lahore
2007-2009	F.Sc. Pre Engineering	Pakistan	Crescent College, Lahore

### Research Title:

Masters	An Assessment of Pedestrian Behavior and Mobility Issues in Lahore, Pakistan
Bachelors	Investigating the Effect of Binder Content on Volumetric Properties of Hot Mix Asphalt (H.M.A)
	Dean's Honors List Awarded in Bachelors Degree



### Professional Record:

Job Rank	Place and Address of Work		Date
Current	Lecturer	Imam Abdulrahman Bin Faisal University, King Faisal Road, Dammam 34212	05/09/2019 To Date
Previous	Lecturer	Imperial College of Business Studies, Lahore, Pakistan	31/07/2015 22/08/2019

### Scientific Achievements

#### Published Scientific Researches

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Siddiqui, A.W., Arshad Raza, S., Ather Elahi, M., Shahid Minhas, K., Muhammad Butt, F.	Temporal impacts of road safety interventions: A structural-shifts-based method for road accident mortality analysis	Accident Analysis and Prevention (2022).
2	Arshad Raza, S., Siddiqui, A.W., Ather Elahi, M., Shahid Minhas, K., Muhammad Butt, F.	Saudi Arabian road accident mortality and traffic safety interventions dataset (2010–2020)	Data in Brief (2022).
3	Muhammad Butt, F., Dalhat, M.A., Shahid Minhas, K., Al-mojil, A.	Influence of seat belt use behavior and road traffic crash experience on the use of child restraint systems: A step further	Journal of King Saud University - Engineering Sciences (2021).
4	Farhan Muhammad Butt, Murtaza Ashiq, Shafiq Ur Rahman, Khurram Shahid Minhas, Muhammad Ajmal Khan	Bibliometric Analysis of Road Traffic Injuries Research in the Gulf Cooperation Council Region	F1000 Research 18/09/2020
5	Khurram Shahid Minhas, Zahara Batool, Bilal Zia Malik, Tahir Ali Akbar, Irum Sanaullah	Pedestrian Environment and Behavior in Lahore, Pakistan	Journal of Transport and Health 14/09/2017



### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Saudi Aramco Chair for Traffic Safety Research	Traffic Safety Study at different Blackspot Locations in Hafar-Al-Batin Region	September, 2019
2	Saudi Aramco Chair for Traffic Safety Research	Traffic Safety Study and Analysis of the Blackspot Locations in Al-Ahsa Region	February, 2020
3	Saudi Aramco Chair for Traffic Safety Research	Assessment and Validation of Road Traffic Accidents Mortality Data in Eastern Province	March, 2020
4	Saudi Aramco Chair for Traffic Safety Research	Assessment of Seat Belt and Cell Phone Usage Compliance in Eastern Province of Saudi Arabia	January, 2021

### Current Researches

#	Research Title	Name of Investigator(s)
1	In Depth Literature Review of the “Safety Corridor” Highway Segments in the World	Dr. Abdul Hameed Sulaiman Almojil, Dr. Farhan Muhammad Butt, Khurram Shahid Minhas
2	Study the Impact of the change in Speed Limit to 140km/hr on the Highways in Kingdom of Saudi Arabia	Dr. Abdul Hameed Sulaiman Almojil, Dr. Farhan Muhammad Butt, Khurram Shahid Minhas
3	Evaluation of Existing and Proposing New Park and Ride Facilities in the Kingdom of Saudi Arabia	Dr. Abdul Hameed Sulaiman Almojil, Dr. Farhan Muhammad Butt, Khurram Shahid Minhas

### Membership of Scientific and Professional Societies and Organizations

- Pakistan Engineering Council (Lifetime Member, Registered Engineer)
- Pakistan Engineering Congress
- Institute of Transportation Engineers (ITE)



## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Pavement Engineering Materials Lab	TTENG322	12 Labs
2	Intelligent Transportation Systems Lab	TTENG522	14 Sessions
3	Transportation Planning and Modeling Lab	TTENG551	14 Sessions

### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

Pavement Engineering Materials Lab: Students have hands-on practice on the strength and durability testing on sub-grade soils, aggregates and bitumen used in the pavement construction. Students learn the standard testing procedures as specified by ASTM and also perform the asphalt mix design themselves.

Intelligent Transportation Systems Lab: To equip students with an in-depth knowledge of the modern real-time applications of ITS technologies and advancements such as: Advanced Transportation Management Systems ATMS, Advanced Traveler Information Systems ATIS, Advanced Vehicle Control Systems AVCS, Advanced Public Transport Systems APTS, Commercial Vehicle Operations (CVO), Emergency Management Systems EMS and Electronic Payment Systems in the modern transportation world.

Transportation Planning and Modeling Lab: Develop skills on using microscopic simulation software PTV VISSIM, how to validate model results, how to evaluate a model and how to present the results. Develop skills on macroscopic modeling in PTV VISUM, how to develop a network, how to develop a classical 4-step travel demand model in VISUM and how to present and check the model. Develop signal timing optimization and co-ordination using PTV VISTRO.

### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

#### Committee Membership

#	From	To	Position	Organization
	Sep,2020	Till-date	Member	Field and Summer Training Program (STP) Committee



### Personal Key Competencies and Skills:

1	PTV Vissim/Visum/Vistro
2	Trafficware Synchro Studio (Synchro, SimTraffic, 3DViewer, TripGen)
3	SIDRA Solutions
4	Highway Capacity Software (HCS)
5	Transyt7F
5	AutoCAD Civil 3D
6	KENPAVE
7	EaglePoint
8	ArcGIS
9	Microsoft Office 365 (Word, Excel, Powerpoint, Sway, Visio)
10	RStudio
11	PC-Crash
12	Microsoft BI

### List of Trainings and Workshops:

1	Manual on Uniform Traffic Control Devices (MUTCD): A workshop for transportation engineering professionals (June 1-3, 2021). Al Khawarizmi Hall IAU.
2	Planning, Design and Operation of Work Zones for Safe and Effective Traffic Movement (September 28-29, 2021). Al Khawarizmi Hall IAU.
3	Training on PTV VISUM to faculty and final year students of King Fahd University of Petroleum & Minerals (October 30-November 2, 2021). College of Engineering IAU.
4	Training on PTV VISSIM to faculty and final year students of King Fahd University of Petroleum & Minerals (December 8-11, 2021). College of Engineering IAU.
5	Roundabouts: Best Practices & Guidelines Insight into Planning, Geometric Design, Operational Analysis using SIDRA Software and Safety Features of Roundabouts (January 24-26, 2023). College of Engineering IAU.

Last Update

06/06/2023