

MUHAMMAD AAMIR BASHEER

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EDUCATION

M.Sc. in Transportation Sciences (Mobility Management) (Hons.) (September, 2017)

University of Hasselt, Belgium

<http://www.uhasselt.be/Master-of-Transportation-Sciences>

Coursework:

Microsimulation, Traffic and Travel Behavior, Intelligent Transportation System, Environmental and Economic Evaluation of Transport Policies, Quantitative Methods, Survey Methods, Analytical skills for the interpretation & analysis of travel demand, Freight Transport.

Practical work on:

- Application of Behavioral Theories in promoting and influencing Eco-Driving
- Cost-benefit analysis of Environmental related projects
- Peak hour Traffic Management by employing Intelligent Transport Systems
- Policy and Implementation scenarios for Autonomous vehicles

B.Sc. (Hons.) in City and Regional Planning (August, 2014)

University of Engineering and Technology, Lahore

<http://uet.edu.pk/faculties/facultiesinfo/department?RID=introduction&id=7>

Coursework:

Planning Surveys, Transportation Planning, Transportation Engineering, Housing, Geographic Information System, Site Planning, Master Planning, Urban Renewal, Project Planning, Finance Planning and Management and Research Methods.

Practical work on:

- Preparation of "Master Plan" for city of Narowal, Pakistan
- Planning and Designing of New Town and Housing Scheme
- Traffic Turning Tendency of Junctions of Liberty Chowk & Mini-Market Gulberg, Lahore
- Aesthetic and Functional Improvement along BUS REPID TRANSIT Corridor, Ravi Road, Lahore

PROFESSIONAL EXPERIENCE

Assistant Director (Town Planning) (2014-2015)

Lahore Development Authority,

Pakistan (www.lda.gop.pk)

Projects:

LDA City, LDA Avenue-I, Sabzazar Protection Bund Project

Key Responsibilities:

- Preparation of Development Plans
- Data Management using GIS
- Revising and updating plans and policies for Lahore

Research Assistant (2017)

School of Geography and Planning, Cardiff University U.K.

Research Topic:

Potential Impacts of South Wales Metro on Business Rates

Internee (Town Planner) (2013)

Citizen Mobility and Development Foundation (CM&DF)

Project:

Accessing Female Mobility in Lahore

Key Responsibilities:

- GIS Mapping
- Facilitator for Focus Group Discussion,
- Survey Supervision, Data Entry and Analysis,
- Report Writing

Data Handling & Planning Intern

(2011)

Osmani and Company (Pvt.) Ltd (<http://www.osmanicompanypvtltd.enic.pk/>)

Project:

Punjab Municipal Service Improvement Project

Key Responsibilities:

- Land Use Surveys
- Utility Services Survey
- Preparing Land Use Map by using GIS

RESEARCH WORK

- Nadeem, O., Hameed, R., **Basheer, M.A.**, Azam, A., & Ismail, I. Impact of Land Use Change on Climate: A Case Study of Gulberg Scheme, Lahore, Pakistan. *Journal of Faculty of Engineering & Technology*, **2015**, 22(2), 111-121.
<http://journals.pu.edu.pk/journals/index.php/jfet/article/viewFile/555/477>
- Shah, S.A.R.; Brijs, T.; Ahmad, N.; Pirdavani, A.; Shen, Y.; **Basheer, M.A.** Road Safety Risk Evaluation Using GIS-Based Data Envelopment Analysis—Artificial Neural Networks Approach. *Appl. Sci.* **2017**, 7, 886. doi:[10.3390/app7090886](https://doi.org/10.3390/app7090886) (I.I.F. 1.679).
- Gul, A., Nawaz, M., **Basheer, M. A.**, Tariq, F., & Raheel Shah, S. A. (2017). Built houses as a tool to control residential land speculation - A case study of Bahria Town, Lahore. *Habitat International*, 71, 81-87. doi: <https://doi.org/10.1016/j.habitatint.2017.11.007> (I.I.F. 2.285)
- Shah, S.A.R.; Ahmad, N.; Shen, Y.; Pirdavani, A.; **Basheer, M.A.**; Brijs, T. Road Safety Risk Assessment: An Analysis of Transport Policy and Management for Low-, Middle-, and High-Income Asian Countries. *Sustainability* **2018**, 10, 389. doi: [10.3390/su10020389](https://doi.org/10.3390/su10020389) (I.I.F. 1.789)
- **Master's Thesis:** "Multi-stage Trips- Factor Influencing Mode Combination Choice of Travelers"
- **Bachelor Thesis:** "Impact of Land Use Change on Climate: A Case Study of Gulberg Scheme, Lahore, Pakistan"
- *Potential Impacts of South Wales Metro on Business Rates (at School of Geography and Planning, Cardiff University, Wales, U.K.)*

EXPERTISE & SKILLS**Technical:**

Transport Planning, Sustainable Development, Land use planning and Administration, Survey Design and Execution.

Software:

Geographic Information System (GIS), SAS, SPSS, Erdas Imagine, Microsoft word, Global Mapper, AutoCAD, QGIS, ENVI 4.7, VISSIM (PTV), 3D Max Studio, Adobe Photoshop and Mini-Tab.

Research:

Able to write, read and communicate scientific and academic literature for both transport and urban planning seamlessly. Designing of Stated and revealed preference surveys and discrete choice modelling.

Languages:

English, Urdu, and Punjabi

AWARDS AND HONORS

- Erasmus+ Traineeship Award** (2017)
European Commission, Brussels
https://ec.europa.eu/programmes/erasmus-plus/opportunities-for-individuals/trainees/students_en
- Overseas research scholarship for Master studies** (2015)
Higher Education Commission, Pakistan
www.hec.gov.pk
- B.Sc. City and Regional Planning** (2014)
Honors,
University of Engineering and Technology, Lahore
- International Conference on Town Planning and Urban Management** (2014)
Organizer,
University of Engineering and Technology, Lahore
http://www.uet.edu.pk/newsannouncement/newssection/uet_news.html?id=116