

## **ASHRAF UDDIN FAHIM**

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### **ACADEMIC HISTORY**

#### **Doctor of Philosophy (Ph.D.) in Urban & Transportation Planning**

Year of completion: 30/09/2026

Iwate University, Japan

Urban Planning Laboratory

Doctoral research focuses on smart and sustainable cities, metro rail integration, urban mobility analytics, and data-driven urban planning. Funded by the MEXT Scholarship, Government of Japan

#### **Master of Urban & Regional Planning (MURP) & MSGED**

Year of completion: 2018

Jahangirnagar University,

Bangladesh

Department of Urban & Regional Planning

Thesis: Natural Disaster Risk Assessment in Coastal Areas of Bangladesh: A Case Study on Cox's Bazar Sadar Upazila. CGPA: 3.84/4.00.

#### **Bachelor of Urban & Regional Planning (BURP)**

Year of completion: 2016

Jahangirnagar University,

Bangladesh

Department of Urban & Regional Planning

Thesis: Measuring Sustainable Urban Compact Form: A Case Study on Dhaka. CGPA: 3.78/4.00.

### **EMPLOYMENT HISTORY**

#### **Assistant Professor**

Time Period: January 2023 – Present

Pabna University of Science and Technology, Bangladesh

Department of Urban & Regional Planning

Responsibility: Teaching undergraduate planning courses in English, supervising student research, leading funded projects, publishing in international journals, and contributing to curriculum development.

#### **Lecturer**

Time Period: January 2021 – January 2023

Pabna University of Science and Technology, Bangladesh

Department of Urban & Regional Planning

Responsibility: Delivered lectures in urban planning and transportation, supervised undergraduate theses, and participated in accreditation-related activities.

#### **Part Time Lecturer**

Time Period: October, 2024 - Present

National Institute of Technology, Ichinoseki, Iwate Prefecture, Japan

Responsibility: Teaching Undergraduate Students and Supervising the Research Activities.

### **PUBLICATIONS**

#### **Articles:**

1. Md. Ashrafuzzaman Pramanik, Abu Nayem Md. Kayes, **Ashraf Uddin Fahim**, Kazi Md Arifin Jamil Jany (2026). Assessment of metro station development on urban landscape and property values: A TOD-based study in Dhaka, Bangladesh, Case Studies on Transport Policy (Q1), Elsevier. Volume 24, June 2026, 101821, ISSN 2213624X, 22136258. Elsevier.

2. Md Ashrafuzzaman Pramanik, Abu Nayem Md Kayes, **Ashraf Uddin Fahim**, Kazi Mst Hurajannat Tubu. (2026) SME development for poverty alleviation using GIS and AHP-based multi-criteria decision analysis, *Sustainable Futures (Q1)*, Volume 11, Elsevier. ISSN: 2666-1888
3. **Ashraf Uddin Fahim**, Masaaki Minami. (2025) Travel Mode Choices in connection to Metro Station by Multinomial Logit Model: A Case Study in Dhaka, Bangladesh, *Future Cities and Environment (Q2)*, ISSN 2363-9075 Volume 11
4. **Ashraf Uddin Fahim**, Masaaki Minami. (2025) Investigating the Users' Perception of Metro Rail Service Quality with Machine Learning Approach and Explainable Artificial Intelligence—Case Study: Dhaka, Bangladesh. *Environment and Urbanization ASIA (Q2)*
5. **Ashraf Uddin Fahim**, Masaaki Minami, Daqian Yang, Toru Kawashita. (2025) Analysis of Metro Users' Perception towards Attributes related to Bicycle-Metro Integration: RIDIT and TOPSIS Model Approach, *Sci (Q1)*, ISSN 2413-4155
6. Yang, D., Minami, M., Sato, K., & **Fahim, A. U.** (2024) A Timeline-Based Study of the Early Reconstruction Phases in Ishikawa Prefecture Following the 2024 Noto Peninsula Earthquake, ISSN: 2071-1050, *Sustainability (Q1)*
7. Yang, D., Minami, M., Sato, K., & **Fahim, A. U.** (2024). Investigating Post-Disaster Reconstruction since the 2011 Great East Japan Earthquake: A Study on the Ōtsuchi-chō, Iwate Prefecture through Timelines. *Sustainability (Q1)*, 16(10), 3907.
8. Mohammed A Mamun, **Ashraf Uddin Fahim**, Md Joynal Abedin, Bipasha Akter Shopna, Israt Jahan, Ikram Hossen, Md Ha-Mim Shahriar, Mst Ambiatunnahar, Al Mamun Abdullah, Mark Mohan Kaggwa, Firoj Al-Mamun, Mst Sabrina Moonajilin, David Gozal. (2023), Knowledge of insulin use and its factors in patients with diabetes: a Bangladeshi exploratory study, *Journal of Public Health (Q1)*, Springer Nature.
9. Pramanik, A., Rahman, S. U., & **Fahim, A. U.** (2023). Travel behavior characteristics of informal public mode users: A case study of E-rickshaw users of Rangpur city corporation (RpCC) in Bangladesh. *RTS-Recherche Transports Sécurité (Q3)*, 2023, 12p.
10. **Fahim, A.U.** and Miti, S.S. (2022). Vulnerability Assessment to the Natural Disaster in the Coastal Areas of Bangladesh: A Case Study on Cox's Bazar Paurashava. *Jahangirnagar Planning Review*, Vol. 19, ISSN-1728-4198.
11. Hasan, M. A. and **Fahim, A. U.** (2022). Measurement of Efficient Travel Time of a Highway Corridor Through Moving Observer Method: A Case Study on Savar-Manikganj Highway in Bangladesh. *Journal of Engineering Science* 13(1), 2022, 21 – 29 DOI: <https://doi.org/10.3329/jes.v13i1.60559> . ISSN 2075-4914, e-ISSN 2706-6835
12. **Fahim, A. U.**, Rahman, M. M., Abir, F. A., and Rahman, M., Fahad, M. A. (2022). An investigation of users' perception on non-motorized transport services in a municipality area: A cross-sectional study on Pabna municipality. *Case Studies on Transport Policy* 10(2) (Q2). DOI: 10.1016/j.cstp.2022.01.026 ISSN 2213624X, 22136258. Elsevier.
13. Rana, M. S., Sarkar, S., Sadat, M. N., Tabassum, T., & **Fahim, A. U.** (2022). Predicting Potential Change in Land Cover and Its Effect on the Temperature of the Land Surface: A Case Study of Khulna City Corporation, Bangladesh. *Environment and Urbanization ASIA*, 13(2) (Q2), 247-264.
14. **Fahim, A. U.** and Miti, S. S., (2021). Natural Disaster Risk Assessment in the Coastal Area of Bangladesh: A Case Study on Cox's Bazar Paurashava. *BAUET Journal*, Vol. 3, Issue-1, Page: 28-42pp. 97-112. ISSN-2521-5256
15. Abir, F. A., Ahmmed, S., Sarker, S. H., and **Fahim, A. U.**, (2021). Thermal and ecological assessment based on land surface temperature and quantifying multivariate controlling factors in Bogura, Bangladesh. *Heliyon* 7(9)(Q1), DOI: 10.1016/j.heliyon.2021.e08012. ISSN- 24058440. Elsevier.
16. **Fahim, A. U.** (2021). Problem Identification of Pedestrian Movement Way by Using PERS (Pedestrian Environmental Review System) Technique: A Case Study of Uttara Model Town, *Journal of Advances in Civil Engineering and Management Volume 4 Issue 2* DOI: <https://doi.org/10.5281/zenodo.5380239>
17. **Fahim, A. U.**, Liza, S.J and Lina, S. J., (2021). Study of Mental Stress Related with Lifestyle During COVID-19: A Case Study on Bangladesh. *International Journal of Education and Applied Sciences Volume 3, Number 1, 113-124, January 2021.* ISSN- 2345-6728
18. **Fahim, A. U.** and Miti, S. S., (2020). Sustainable Urban Compact Form Measurement: A Case Study on Dhanmondi and Uttara. *The Jahangirnagar Review Part II: Social Science, Vol. XLII, 2018.* ISSN- 1682-7422.

#### **Book Chapter:**

19. Customers Online Shopping Behavior in Bangladesh to the COVID-19 Situation and Reality Response
20. Travel Behavior Pattern and COVID-19: A Cross Sectional Study among the Residents of Dhaka

### **RESEARCH PROJECTS**

1. Financial Support for Research Projects Provided by University Grant Commission of Bangladesh for the fiscal year 2021-22 (BDT 120, 000 (Approx. \$1200)) and 2022-23 (BDT 130, 000 (Approx. \$1300))

### **RESEARCH GRANTS**

1. Research grant by Ministry of Planning, Bangladesh for the fiscal year of 2023-2025 (BDT 18, 00,000 (Approx. \$18000)).
2. Research Grant by Kubota Foundation in Japan for the fiscal year of 2025 (JPY 12, 00,000 (approx. \$10,000)).

### **AFFILIATED SOCIETY**

Institute of Planners, Bangladesh (Member: 1509)

### **TEACHING COURSES**

1. Research Methodology.
2. Transportation Planning – Theory & Practical
3. Urban Governance
4. Transportation Engineering
5. Land Management and Development
6. Water Resources Planning
7. Site and Area Planning – Theory & Practical
8. Landscape Planning – Theory & Practical
9. Planning Laws
10. Tourism Planning
11. Elements of Architecture
12. Neighborhood Planning
13. Basic Design - Lab

### **SUPERVISION OF BACHELOR GRADUATE THESIS**

1. Analysis of Road Capacity and Level of Service in CBD area of Pabna Municipality: An Analytical Hierarchy Process Based Approach
2. Study of Service Quality and Customer Satisfaction of Using Public Bus Transportation: A Study of Public Buses in the City of Pabna and Sirajganj
3. Exploring the Factors of Children Independent Urban Mobility in Bangladesh; A Case Study on Rajshahi City Corporation, Rajshahi
4. The Role of NGOs in Socio-Economic Development: A Case Study in Bhangura Upazilla, Pabna, Bangladesh
5. Analyzing the Pattern of Land Use Land Cover Change and its impact on Land Surface Temperature: A Case Study of Bogura Municipality
6. Monitoring Agricultural Drought for Pre-Kharif Season in North-Western Region of Bangladesh using Vegetation Health Index on Geospatial Technique
7. Assessment of Pedestrian Level of Service (PLOS) in Urban Area: A Case Study on Pabna Municipality in Bangladesh
8. Domestic Solid Waste Disposal Practice: A Case Study on Pabna Municipality
9. Exploring Non-Motorized Transportation Practice in Municipal Area: An Investigation on Existing Condition in Pabna Paurashava

### **REFERENCE**

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