

CURRICULUM VITAE



PERSONAL INFORMATION

Name **MD. KAMRUL ISLAM**

Address Assistant Professor, Department of Urban and Regional planning, Chittagong University of Engineering and Technology, Chittagong-4349, Bangladesh.

Telephone +8801739065811

E-mail Kamrul.islam.cuet10@cuet.ac.bd, Kamrul.islam.cuet10@gmail.com

Nationality Bangladeshi

Father's Name Md. Abdul Kuddus Occupation: Farmer

Mother's Name Mst. Doly Bibi Occupation: House wife

Date of birth [12, August, 1992]

Blood Group O+ (Positive)

WORK EXPERIENCE

- Dates (from – to) 03, October, 2019 to Present
- Name and address of employer Chittagong University of Engineering and Technology, Chittagong-4349, Bangladesh providing education
- Type of business or sector
- Occupation or position held **Assistant Professor**
- Main activities and responsibilities Teaching and supervising of student, Preparation of class lecture.

- Dates (from – to) 26, December, 2016 to 02, October, 2019
- Name and address of employer Chittagong University of Engineering and Technology, Chittagong-4349, Bangladesh providing education
- Type of business or sector
- Occupation or position held **Lecturer**
- Main activities and responsibilities Teaching and supervising of student, Preparation of class lecture.

- Dates (from – to) 10, March, 2017 to Present
- Name and address of employer Pabna University of Science and Technology providing education
- Type of business or sector
- Occupation or position held **Examiner**
- Main activities and responsibilities I Examined the following course: Photogrammetry and Aerial photo interpretation, Disaster Management and Mitigation Planning, basic environmental engineering, statistics for planner-I, statistics for planner-II, Regional Planning, Coastal zone planning and management.

- Dates (from – to) 20 March, 2017 to August, 2017
- Name and address of employer Bangladesh University of Professional (BUP), BMA Campus providing education
- Type of business or sector
- Occupation or position held **Part Time Teacher**
- Main activities and responsibilities I conduct the following Course: GIS and Remote Sensing Seasonal

- Dates (from – to) 26, August, 2015 to 25, December, 2016
- Name and address of employer Jolshiri Abashon, (Army Housing Scheme) Town Development
- Type of business or sector
- Occupation or position held **GIS Specialist**

- Main activities and responsibilities
 - Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

Preparing Physical Feature maps, Land use Maps, Digital Elevation Model (DEM) Maps and Contours Maps of the study areas utilizing the processed spatial data. Maps for proposed Water Distribution Network, Proposed Drainage Network are also prepared.

April,2014 to May,2014
 Institute of Water Modelling (IWM), Dhaka1206, Bangladesh
 Public trust organization of Bangladesh under ministry of water resource
Internee (Full time)
 Preparation GIS base maps for 148 pourashavas water supply

EDUCATION

- Dates (from – to)
- Name and type of organization
 - Principal subjects
 - Title of qualification awarded
 - Result
- Dates (from – to)
- Name and type of organization
 - Principal subjects
 - Title of qualification awarded
 - Result
- Dates (from – to)
- Name and type of organization
 - Principal subjects
 - Title of qualification awarded
 - Result
- Dates (from – to)
- Name and type of organization
 - Principal subjects
 - Title of qualification awarded
 - Result

2022-2025
 Chittagong University of Engineering & Technology (CUET), Chittagong-4349, providing education
 Urban and Regional Planning
Master of Urban and Regional Planning (BURP)
 CGPA 3.67 out of 4.00

2011-2015
 Chittagong University of Engineering & Technology (CUET), Chittagong-4349, providing education
 Urban and Regional Planning
Bachelor of Urban and Regional Planning (BURP)
 CGPA 3.76 out of 4.00 (Merit Position: 2nd)

2008-2010
 Rajshahi Govt. City College, Rajshahi, providing education
Science
Higher Secondary Certificate (HSC)
 GPA 5.00 out of 5.00

2006-2008
 Kayamajampur High School, Rajshahi, providing education
Science
Secondary School Certificate (SSC)
 GPA 5.00 out of 5.00

Academic Research

Bachelor Thesis, BURP Program “Spatio-Temporal Assessment of Ecological Disturbance and its Impacts on Environment in cyclone prone coastal area of Bangladesh”.

Training

- 1) **As Trainer**
Smart Grid and GIS Mapping training for DESCO officers *organized by Bangladesh Power Development Board, 13-15 January 2024, Coxsbazar*
- 2) **GIS and its Application (80 Hours)** under the Enhancing Digital Government & Economy (EDGE) Project of Bangladesh organized by IICT, CUET and Bangladesh Computer Council, ICT Division.
- 3) **Remote Sensing and its Application (80 Hours)** under the Enhancing Digital Government & Economy (EDGE) Project of Bangladesh organized by IICT, CUET and Bangladesh Computer Council, ICT Division.

As Trainee

- 1) **Trained on Web-Based Spatial Data Management System** organized by Jantrick Technology Ltd and Institute of Water Modelling (IWM), Dhaka

- 2) **Application of Numerical Modeling in Water Resource Engineering** organized by The Center for River, Harbor & Landslide Research (CRHLSR), Chittagong University of Engineering and Technology, Chittagong-4349.
- 3) **Multi Hazard Physical and Social Impact Assessment** organized by The Dhaka University, Chittagong University of Engineering and Technology, Ardhi University, and Tomorrow's Cities National and International Team

JOURNAL PAPER

Salam, M., **Islam, M. K.**, Jahan, I., & Chowdhury, M. A. (2024). Assessing the impacts of vegetation loss and land surface temperature on Surface Urban Heat Island (SUHI) in Gazipur District, Bangladesh. *Computational Urban Science*, 4(1), 24.

Khan, M. F., **Islam, M. K.**, & Chowdhury, M. A. (2024). Spatio-temporal assessment and prediction of wetlands: Examining the changes in ecosystem service value of RAJUK DAP area using Artificial Neural Network and Geospatial Techniques. *Heliyon*, 10(14).

Islam, K., Sarker, S., Morsad, G., Khan, M. F., Chowdhury, A., & Islam, S. L. U. (2024). Spatial-temporal changes of shoreline and Vegetation: Impacts on mangrove cover along the Sundarbans area, Bangladesh. *Journal of Coastal Conservation*, 28(1), 10.

Islam, M. K., Fahad, M. N. H., Chowdhury, M. A., & Islam, S. L. U. (2023). Shoreline change rate estimation: Impact on salt production in Kutubdia Island using multi-temporal satellite data and geo-statistics. *Remote Sensing Applications: Society and Environment*, 30, 100957.

Raja, D. R., Hredoy, M. S. N., **Islam, M. K.**, **Islam, K. A.**, & Adnan, M. S. G. (2021). Spatial distribution of heatwave vulnerability in a coastal city of Bangladesh. *Environmental Challenges*, 4, 100122.

Akter, A., Tanim, A. H., & **Islam, M. K.** (2020). Possibilities of urban flood reduction through distributed-scale rainwater harvesting. *Water Science and Engineering*, 13(2), 95-105.

Islam, M. K., Chowdhury, S., Raja D.R. (2015) 'Assessment of Ecological Change Due to Cyclone Using Remote Sensing Technique' *Journal of Bangladesh Institute of Planners*, ISSN 2075-9363 Vol. 8, 2015, pp. 175-186. URL: www.bip.org.bd/SharingFiles/journal_book/20170121090024.pdf

Islam, M. K., Chisty K.U., Chowdhury, S., Rahman A. (2015) 'Community Participatory Tools for Water Logging Vulnerability Assessment in Chittagong City Corporation Area' *Journal of Bangladesh Institute of Planners*, ISSN 2075-9363 Vol. 8, 2015, pp. 221-231.). www.bip.org.bd/SharingFiles/journal_book/20170121085719.pdf

Shahjahan, A., **Islam, M. K.**, Mitra, S., Chisty, K. (2015). 'Renewal Plan for the Old Part of Chittagong: A Case Study of Firingi Bazar'. *World Academy of Science, Engineering and Technology, International Science Index 100, International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering*, 9(4), 1313 - 1316. URL: <http://www.waset.org/publications/10001386>.

Islam, M. K., & Chowdhury, S. (2014). Analysis of Changing Land Cover in Chittagong City Corporation Area (CCC) by Remote Sensing and GIS. *International Journal of Innovation and Applied Studies*, 8(3), 1193. URL: <http://www.ijias.issr-journals.org/abstract.php?article=IJIAS-14-235-04>.

Islam, M. K., & Chowdhury, S. (2014). "Demand and Supply Analysis of parking in commercial Area: A Case Study Probortak More Area, Chittagong," *International Journal of Innovation and Scientific Research*, vol. 12, no. 1, pp. 315–327, November 2014. URL: <http://www.ijisr.issr-journals.org/abstract.php?article=IJISR-14-295-03>.

Islam, M. K., Ali M., Misuk S. (2014). 'Growth Pattern Analysis of Khagrachari Pourashava', *European academic research Journal*, vol. 1, January 2013, pp. 3153-3166 (ISSN 2286-4822). URL: waset.org/pdf/books/?id=6038&pageNumber=43

CONFERENCE PAPER

Nehal, A. H., Hasan, M. R., & **Islam, M. K.**, 'Analyzing Vulnerability of a Community to Fire Hazard: A Case Study of Chandgaon Residential Area'. *International Conference on Disaster Risk Management (ICDRM 2019)*, 12-14 January 2019. BUET, Dhaka.

Hredoy, M. S. N., Naim, M. N. H., Sikdar, M. S., & **Islam, M. K.**, 'Spatio-Temporal Change Analysis of Wetland in Chittagong City Corporation by Remote Sensing and GIS Technique'. 4th International Conference on Advances in Civil Engineering 2018 (ICACE 2018), 19-21 December 2018. CUET, Chittagong.

Ashrafi, T. J., Sikdar, M. S., & **Islam, M. K.**, 'River Change Detection and Bank Erosion Identification Using Topographical and Remote Sensing Data'. 4th International Conference on Advances in Civil Engineering 2018 (ICACE 2018), 19-21 December 2018. CUET, Chittagong.

Kader, M. A., & **Islam, M. K.**, 'A GIS-Based Analysis on "Emergency Disaster Response"-A Case Study on Chittagong City Corporation'. 4th International Conference on Advances in Civil Engineering 2018 (ICACE 2018), 19-21 December 2018. CUET, Chittagong.

Sikdar, M. S., Raja, D. R., **Islam, M. K.**, 'Influence of Land Cover Change on Land Surface Temperature Using RS And GIS Techniques: A Case Study of Gazipur District'. 1st National Conference on Water Resources Engineering (NCWRE 2018), 21-22 March 2018. CUET, Chittagong, Bangladesh.

Islam, M. K., Chisty K.U., Mitra S., Islam I., 'An Application of GIS for Cyclone Risk Assessment of a coastal Area in Chittagong Bangladesh'. International Conference on Recent Innovation in Civil Engineering for Sustainable Development (IICSD-2015), 11-13 December 2015. DUET, Gazipur.

Islam, M. K., Islam S., Islam R.K., 'Bank shifting and land use change of Jamuna River due to construction of multipurpose Bangabandhu Bridge'. International Conference on Recent Innovation in Civil Engineering for Sustainable Development (IICSD-2015), 11-13 December 2015. DUET, Gazipur.

Rayma, R. R., Raja, D. R., & **Islam, M. K.**, 'A Remote Sensing-Based Approach for Identification & Monitoring of Spatiotemporal Changes in The Urban Ecological Livability of Chattogram City Corporation (CCC) Area. 7th International Conference on Advances in Civil Engineering 2024 (ICACE 2024), 12-14 December 2024. CUET, Chittagong.

Shifaen, M.M. A., **Islam, M. K.**, & Raja, D. R., 'Spatio-Temporal Assessment of wetland change and Its impact on Ecological services Value in Dhaka Metropolitan Area Using Geospatial Technique'. 7th International Conference on Advances in Civil Engineering 2024 (ICACE 2024), 12-14 December 2024. CUET, Chittagong.

Sara, S. A., Megha, N.B. K., & **Islam, M. K.**, 'Assessment of Bank Erosion and Channel Shifting of Jamuna River in Sirajganj District in Bangladesh Using GIS And RS Techniques'. 7th International Conference on Advances in Civil Engineering 2024 (ICACE 2024), 12-14 December 2024. CUET, Chittagong.

Megha, N.B. K., Sara, S. A., & **Islam, M. K.**, 'Erosion vulnerable area assessment of Teesta river system in Bangladesh Using a Multi-criterion based Geospatial Fuzzy Expert System and Remote Sensing'. 7th International Conference on Advances in Civil Engineering 2024 (ICACE 2024), 12-14 December 2024. CUET, Chittagong.

Shawon, Z. S., Alam, T. B., & **Islam, M. K.**, 'An Approach to Determine the Environmental Quality Index in a Coastal Region of Bangladesh Using Principal Component Analysis'. 10th International Conference on Water & Flood Management (ICWFM 2025), 25 February 2025. BUET, Dhaka.

Radba, T.S., Masuk, M. H., & **Islam, M. K.**, 'Assessing the Effect of Vegetation Depletion and Land Surface Temperature on Thermal Comfort in Dhaka City. 10th International Conference on Water & Flood Management (ICWFM 2025), 25 February 2025. BUET, Dhaka.

**PERSONAL SKILLS
AND COMPETENCES.**

MOTHER TONGUE

BANGLA

OTHER LANGUAGES

ENGLISH

- Reading skills
- Writing skills
- Verbal skills

[good]

[good]

[good]

ORGANIZATIONAL SKILLS

Associate Member of Bangladesh Institute Of Planner (BIP), Id No: 1225

TECHNICAL SKILLS
AND COMPETENCES

Package Office Programs- Microsoft Word, Microsoft Excel, Microsoft PowerPoint
Microsoft Project Management
Corel Draw
Arc-GIS 9.3,10.1,10.2,10.3
ERDAS EMAGING 9.1, 10.1,14
ILWIS
Google Earth Engine
ArcGIS Pro 2.5, 3.1
Auto Cad
SPSS
PAST

ARTISTIC SKILLS
AND COMPETENCES

Graphic Design, Writing

REFERENCES

Muhammad Rashidul Hasan, professor at Department of Urban and Regional Planning & Dean, Faculty of Architecture and Planning, CUET, Email: udoy_ku@yahoo.com Contract No: +8801720900600

Debasish Roy Raja, Associate Professor at Department of Urban and Regional Planning, CUET, Email: rdebasishroy@gmail.com, Contract No: +88001819508496

I hereby declare that, to the best of my knowledge, all information provided in my CV is accurate and truthful.



Signature of the Applicant
Date: 23.06.2025