

MD. KAMAL HOSEN

Narayanjol, Agardari-9400, Satkhira Sadar, Satkhira, Bangladesh

+88-01827383076 kamal.hosen@adpc.net

Work Experience

Asian Disaster Preparedness Center

Rajshahi, Bangladesh

GIS ASSISTANT

April, 2019 - Present

- Assist in preparation of disaster risk sensitive Master Plan and Detail Area Plan
 - Store, manage, clean, manipulate, checking and varification of GIS databases
 - Analysis and assessment of environmental monitoring survey data
 - Merging mouza map
 - Preparation of urban landuse zoning map
 - Joining non-spatial survey data with GIS data
 - Sampling and preparation of earthquake building vulverability survey map
 - Assessment of building vulnerability
 - Converting Kobo toolbox survey data to GIS shapefile for map making
 - Preparation of survey (socio-economic, geotechnical, environmental, traffic count, travel behavior etc.) location map from online (Kobo toolbox) survey data
 - Spatial analysis and visualization of survey data
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Tiller Ltd.

Mirsharai, Chittagong, Bangladesh

JUNIOR URBAN PLANNER

February, 2018 – June, 2018

- Design detail work plan and schedule of the projects
 - Provide training and guidelines of the survey team for collecting physical features data from field
 - Management and Co-ordination of Survey Team
 - Manage and control of survey data
 - Monitoring and evaluation of field work through frequently field visit
 - Accuracy checking of field data and reporting
 - Communicate project director (PD), manger, urban planner and survey team of Urban Development Directorate (UDD) and notify them update information of survey
 - Survey map geo-referencing and digitizing
 - Design excel sheet and joining excel data into GIS map
 - Database management, cleaning, storing, manipulating
 - Error corrections and Finalize GIS map
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SMEC-ACE Consultants Ltd. Bangladesh

Dhaka, Bangladesh

INTERNSHIP

Decembar, 2017 – January, 2018

Performing GIS Tasks

- Land Acquisition Plan (LAP)
- Map projection and digitizing
- Geo-referencing
- Digital Elevation Model (DEM)

Develop a Demo Online Survey system using Open Data Kit (ODK)

- Excel sheet preparation and design
 - Google app engine server creation
 - Data sheet upload in ODK
 - Sample survey test and Export data from ODK
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Education

Khulna University

MASTER OF URBAN AND RURAL PLANNING

• YGPA: 3.40 out of Scale 4.00

Khulna, Bangladesh

July 2018 - June 2020

Khulna University

BACHELOR OF URBAN AND RURAL PLANNING

• CGPA: 3.51 out of Scale 4.00

Khulna, Bangladesh

January 2014 - January 2018

Shahid Smriti Degree Collage

HIGHER SECONDARY CERTIFICATE

• GPA: 5.00 out of Scale 5.00

Satkhira, Bangladesh

May 2011 - May 2013

Babulia J. S. High School

SECONDARY SCHOOL CERTIFICATE

• GPA: 5.00 out of Scale 5.00

Satkhira, Bangladesh

January 2006 - April 2011

Skills

GIS	ArcGIS10.x, QGIS
WebGIS	PostGIS, GeoServer, OpenLayers, Leaflet
Statistical Analysis	SPSS, Stata, Excel
Databases	PostgreSQL, MySQL, MS Access
Programming Language	Python, PHP
General	Microsoft Office Package, MS Project
Design	AutoCAD, SketchUp, Illustrator
Remote Sensing	Erdas Imagine, Envi
Online Survey Tool	Kobotoolbox, ODK Collect
Language Proficiency	Bangla, English

Publications

CONFERENCE PAPER

- **Hosen, M.K.**, Islam, K.S., Chakraborty, T. (2019). Simulating the Impact of Setback, Floor Area Ratio (FAR) and Maximum Ground Coverage (MGC) Rules on Urban Living Environment: An Airflow Modelling Perspective, International Conference on Urban and Regional Planning-2019, Dhaka, Bangladesh
 - Alam, M.S., **Hosen, M.K.**, Chakraborty, T., Noyon, M.E, K., Haque, S.M. (2019). GIS-Based Fire Hazard Risk Assessment of Residential Buildings of Rajshahi City Corporation Using Entropy-TOPSIS Integrated Approach, International Conference on Urban and Regional Planning-2019, Dhaka, Bangladesh
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Thesis/Dissertation

BURP Thesis	A research on “Simulating the Impact of Floor Area Ratio (FAR) on Living Environment: A Case Study on Nirala Residential Area, Khulna, Bangladesh”, conceived to pick out the impact of existing FAR of Dhaka Imarat Nirman Bidhimala, 2008, in the perspective of urban natural airflow performance and population density on the living environment in the context of Khulna. The output of this research suggests adoptable standard FAR for Khulna City.
MURP Thesis	Research on “A WebGIS Approach for Enhancing Municipal Services of Khulna City”, conceived to propose Web based GIS system to enhance municipal services.

Additional Information

Award	Award for Academic Excellence 2014-15, 2015-2016, 2016-17, 2017-18 Science, Engineering and Technology School, Khulna University, Bangladesh
Training and Certification	<ul style="list-style-type: none">▪ Training on Building Plan Approval at Upazila Level, Training program arranged by Khulna University▪ Cartography, Offered by Esri Academy▪ Spatial Data Science: The New Frontier in Analytics, Offered by Esri Academy▪ The Location Advantage, Offered by Esri Academy
Online Courses	<ul style="list-style-type: none">▪ WebGIS and GeoServer, Udemy▪ Spatial Analysis and Satellite Imagery in a GIS, Offered by <i>University of Toronto</i>, Coursera▪ Spatial Data Science and Applications, Offered by <i>Yonsei University</i>, Coursera▪ Geospatial and Environmental Analysis, Offered by <i>University of California, Davis</i>, Coursera
Volunteer	<ul style="list-style-type: none">▪ Organizer at National Earth Olympiad, 2015, Khulna Division, Khulna▪ Organizer at 3rd NDF BD Khulna Divisional Festival, Khulna
Affiliation	Member, Bangladesh Institute of Planners

References

Prof. Dr. Ahsanul Kabir

Professor

Urban and Rural Planning Discipline

Khulna University, Bangladesh

C : +880 1711 375181

E: ahsanul.kabir@urp.ku.ac.bd

Kazi Saiful Islam, Dr. Eng.

Professor and Head

Urban and Rural Planning Discipline

Khulna University, Bangladesh

C : +88-01671-665533

E: saiful@urp.ku.ac.bd

Proclamation

I, hereby, affirm that, above the provided information's are true and no falsification is done.
