ISLAMIC UNIVERSITY OF TECHNOLOGY

SWE 4402: Software Requirement and Specification (Lab report)

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Date:	11th January 2024

1 Functionalities

1.1 Efficient Water Management system

This feature allows the residents to report water scarcity issues.

1.2 Weather update

This feature allows the residents to know the recent weather forecast.

1.3 Update about road closure

This feature allows the residents to know which roads are closed and also suggests the alternative routes.

1.4 Bill service

This feature allows the residents to pay the electricity, gas and water bills online.

1.5 Public transport ticketing and tracking

This feature allows the residents to know the public bus information, fare, route and buy ticket accordingly.

1.6 Hotline service (police, fire service)

This functionality enables residents to contact the police or fire service directly within the app, free of charge.

1.7 Emergency medical service

This feature allows the residents to give alert to the emergency response team so that medical service can be offered in any emergency situation.

1.8 Citizen feedback

This feature allows the residents to communicate with the municipals regarding any public issues through a forum for discussions, suggestions, and polls.

1.9 What to do in Gazipur

This feature shows the user different tourist attractions, shopping malls, restaurants parks, resorts with details and location.

1.10 Guest house rental for tourists

This feature allows the tourists to know about their desired guest house and it's location through the app.