

SMT201 GIS Project Peer Evaluation

AY 2023-24 Term 1

Project group evaluated: Group 5

Project title: Derna EvacuConnect

Why your team decided to evaluation this project:

Our group chose to evaluate this project because of its captivating maps and intriguing data tables. The effective use of visual elements, especially maps, caught our attention, prompting a deeper exploration. The presence of compelling data points in the tables indicated valuable insights

List down three positive learning points take away from the project:

1. Identification of Inaccessible Areas during Flooding:

The project highlighted the existence of areas that became completely inaccessible to evacuation centers and medical facilities during the flood. This insight emphasizes the importance of strategic planning to ensure that critical services can reach affected populations, particularly in emergencies.

2. Critical Role of Infrastructure in Crisis Response:

The Derna flood case underscored the crucial role of infrastructure in saving lives during a crisis. Understanding how infrastructure, such as roads and medical facilities, contributes to effective response and evacuation efforts is a valuable takeaway for future disaster preparedness and management.

3. Significance of Road Networks for Evacuations:

The project emphasized the importance of road networks in facilitating timely evacuations. Recognizing the pivotal role of road systems in emergency response strategies provides valuable information for planning and designing resilient infrastructure to mitigate the impact of natural disasters like floods.

List down three areas for further improvement:

1. Detailed Exploration of Reinforced Structures with Case Studies:

Provide a more detailed exploration of reinforced structures, possibly incorporating case studies. Delve into specific examples or projects where reinforced structures have proven effective in mitigating the impact of floods. This could include detailing the types of structures used, their locations, and the outcomes observed. Case studies can enhance the project by offering real-world examples and practical insights into the effectiveness of reinforced structures.

2. Propose Solutions to Enhance Time Response:

Offer explicit suggestions for improving time response during flood events. Consider proposing solutions such as the implementation of advanced early warning systems, community training for rapid evacuation, or the establishment of dedicated emergency response teams. Providing actionable recommendations can contribute to the practical applicability of the project's findings and offer insights for stakeholders involved in disaster management.

3. Enhance Map Visibility for Key Areas:

Improve the visibility of maps by using more striking colors to highlight key areas. Consider adjusting the color palette to ensure that important features or regions are easily distinguishable. This enhancement can aid in conveying critical information effectively and ensure that stakeholders can readily identify key areas of interest on the maps. Adjusting color contrasts and using vibrant tones for specific elements can significantly improve map readability.