**CHAPTER 6**

# SUMMARY, CONCLUSION AND RECOMMENDATIONS

## **Summary of Development**

In this project, the project developers laid out the foundation of a dynamic 3D interactive map by constructing the modules: map, draw, content and search that were based from the recommendations of previous studies: Campil et al. (2010), Bala et al. (2012) and Ferrater et al. (2013).

The map module was integrated with OpenStreetMap for the map tiles, OSM Buildings for the 3D map models and Leaflet library for the integration of a map with CRUD functions. The draw module was made similarly with the map module but integrated with the content module for the add and update functionalities. The content module, which was constucted in Laravel 5 website development framework, allows dynamic data connection to the map module. Additionally, the search functionality was integrated within the content module using Yajra Datatables which allows dynamic searching for relevant data.

With this, the project achieved the first objective of developing and designing the dynamic interactive map for MSU-IIT.

## **Conclusion**

While most of the participants admitted using maps and direction as guidance, only few of them arrived at their destined places correctly. Since, the requirements of having a virtual map has already been established from previous studies. The project developers collected results from the usability evaluation of this system.

It showed that most of the participants were affected by the system positively with its design and potential use. Specifically, administrators were willing to learn and suggest more functionalities of the system. Additionally, visitors and students also gave the product with above average score, only a few of them showed minimal appreciation. Lastly, prospective students showed maximum appreciation of the system suggesting that it is useful for them since they will need this type of technology for future use.

## **Recommendations**

The following are some recommendations gathered from the participants and project developers for others who wish to further improve the system:

* 1. Add on-screen labels for buildings;
  2. Add or use true-to-scale legend;
  3. Additional visuals for buildings in the future;
  4. Show traffic route;
  5. Add room details and description;
  6. Add option to show proposed buildings in more complex 3D model.