CHAPTER 4
CONCLUSION

4.1 Conclusion

Nowadays, mobile applications are more popular and widely used. Google map is widely used in android application and based on the current location can find the nearest locations.

There are many methods for finding the distance such as Euclidean distance, Manhattan distance, Similarity Distance, Haversine Distance. Among them, Haversine Formula is used to get the distance. Because, the Haversine Formula determines the great circle distance between two points on a sphere given their longitudes and latitudes.

Travelling Salesman Problem is used to minimize cost. The Travelling Salesman Problem is best for calculating optimal route. It is used in many practical solutions. Not only minimum route but also the shortest timing can also be calculated. It is used in logistic planning and goods allocation. In this system, Travelling Salesman Problem is used to find the shortest path.

The visitors in Bagan can find the shortest route by using this application in a shorter time. If the user can search the famous hotel lists in Bagan. Moreover, the visitors can easily find the e-bike rental lists. In this system, the user can know the route with saving time and money.

4.2 Limitations of the System

In this system, the user can choose the pagodas (at most ten pagodas). The user must open the GPS and internet to get the required output. The number of pagodas is twenty-nine in this system.

4.3 Further Extension of the System

In the future, this system can be extended to solve the shortest path problem for not only twenty-nine pagodas of Bagan but also other places of Bagan.