

# Geospatial Application for Tracking Esala Perahera and Providing Convenient Guide to Facilities with a Notification system

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## Abstract (300-500 words)

Esala perahera is one of the largest and grandest Buddhist ceremony in Sri Lanka featuring lavishly dressed elephants, dancers, fire breathers and jugglers. The event held annually attracts a population of around the world. The application provides an efficient and easy method of guidance to basic facilities together with the existing methods. The application is very important because people tend to lose leaflets and it's very hard to read them at night. The application displays locations of the basic facilities on a map, with reference to user's current location (if available) and provides directions through native navigation system (if available). The locations also include a display of timely updates relating to them such as status of the parking lot, availability of water in the tanks. Secondly, the Esala Perahera guide application includes a notification area, where officials can post updates and important notices and emergency guidelines to people which is very useful in such crowded situations where public address system only is not efficient in conveying the message. It also features live location of the Perahera and it's made using ionic framework, open street maps and open layers to display map and location markers. Google Firebase integration is used to obtain perahera tracking data and notifications.

*Keywords: Esala, Perahera, geospatial, guide, location, notification*

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## 1. References

Use [APA \(American Psychological Association\)](#) Style single column justified text.

References should be cited in the text, thus (Author, 1987b), and listed in alphabetical order in the reference section.

Book;

Lumby, J. (2001). *Who cares? The changing health care system*. Sydney, Australia: Allen & Unwin.

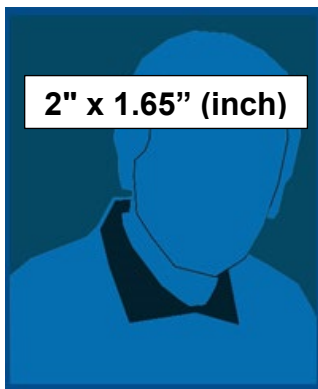
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## 2. Author/s Biography



Short Author/s Biography (150-200 words)

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