

WPI

Traffic Tragedies: Implementing Public Transportation in Nepal

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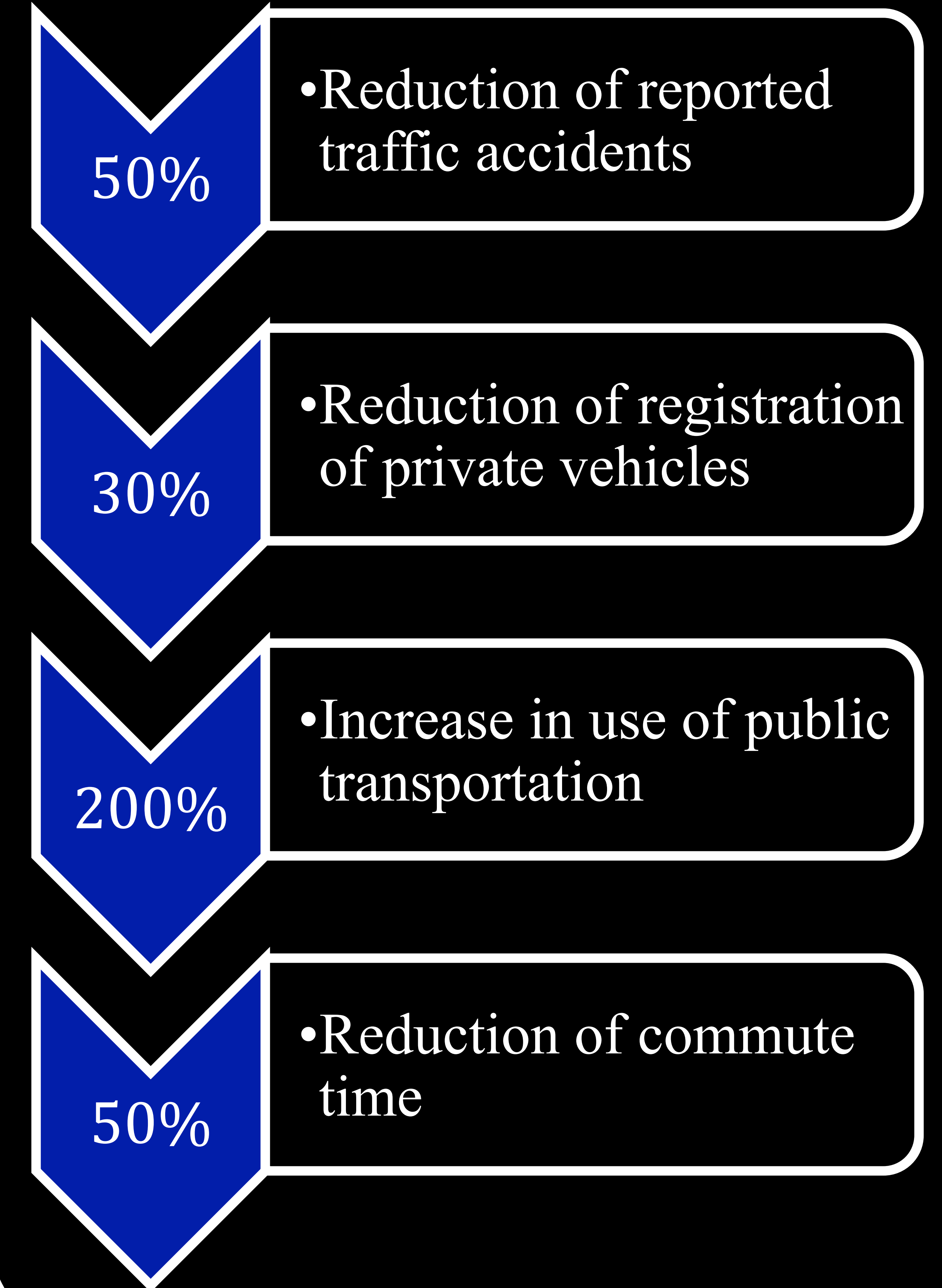
Abstract

The inefficiency of Kathmandu's current public transportation system is leading to major traffic congestion and public safety issues. Implementing a central system of public transportation will help reduce traffic and improve the safety conditions of the public.

Project Goals/Objectives

- Implement Bus Rapid Transit in Kathmandu
- Decrease road congestion
- Increase use of public transportation
- Improve safety conditions by reducing road accidents and improving personal safety on the buses

Anticipated Results



Background

- An increase in population and a decrease in the use of public transportation has resulted in an increase of privately owned vehicles in Kathmandu (1).
- 130 serious traffic accidents and over 1,000 minor accidents occur every day in Kathmandu (1).
- Many refuse to use public transport vehicles due to inefficient travel time and a concern for personal safety (1).

Methods/Process



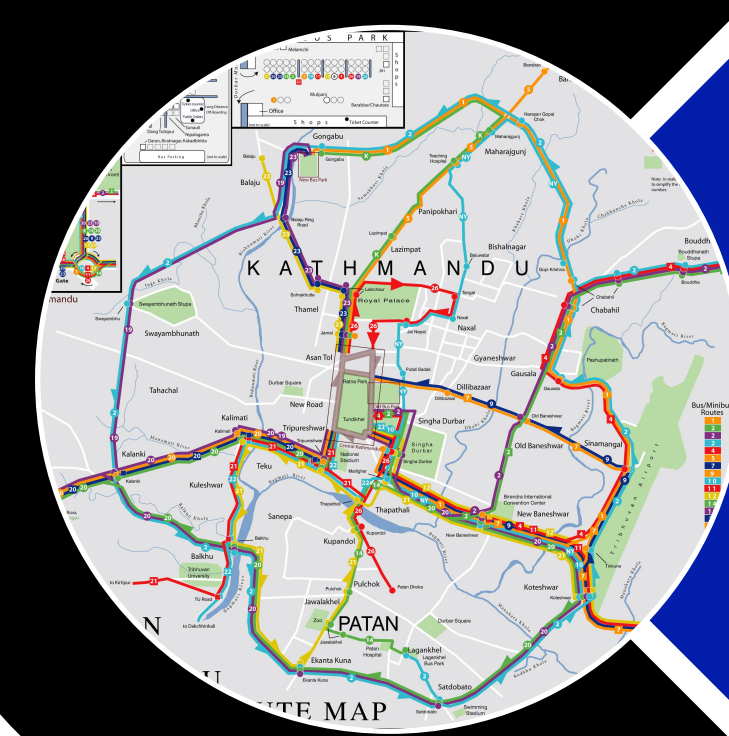
Eliminate overcrowding by redesigning buses



Improve safety by hiring qualified drivers and enhancing bus stations



Speed up service by establishing bus-only lanes



Increase efficiency by creating reliable schedules with specified routes



Nepali people put their lives in danger everyday by sitting on the roofs of buses to avoid overcrowding.

References

1. "Gender and Public Transport: Kathmandu, Nepal." (2013): n. pag. *Open Knowledge Repository*. World Bank. Web. 18 Nov. 2014.
<http://kathrynhagy.wordpress.com/tag/taxis/>
<https://openknowledge.worldbank.org/bitstream/handle/10986/17872/860850WPOFin10Box382164B000PUBLIC0.pdf?sequence=1>
<http://www.streetsblog.org/2006/10/24/dot-announces-five-bus-rapid-transit-corridors/>
http://photos.metrojacksonville.com/photos/968131004_HanR7-M.jpg
<http://thai-velo.blogspot.com/2010/09/nepal.html>