

# An Intelligent AI for Transportation System

**Mr. Lohote Prathamesh<sup>1</sup>, Mr. Belhaware Akshay<sup>2</sup>, Mr. Barve Omkar<sup>3</sup>,  
Mr. Doke Sanket<sup>4</sup>, Prof. Gholap P.S.<sup>5</sup>**

Department of Computer Engineering  
Sharadchandra Pawar College of Engineering, Otur, Pune, Maharashtra, India

**Abstract:** Public transportation is used by many people all over the world to visit new places. Individuals are in general make a plan to trip new places and for special occasions they might feel totally lost in new place. At this time our Chatbot acts the helper for travellers. Our Chatbot helps the people to find their desire source and destination. It is a application that is work on web, desktop and also on telegram application. This Chatbot uses the Natural Language Processing(NLP) and Deep Learning methods. It acts as the live human being as a Graphical User Interface(GUI). This AI Chatbot ask user for current location and destination location by asking some questions. It analyze the user's queries and associate with data set of the Chatbot. The deep learning techniques are used in this Chatbot are responsible for understanding the user's questions perfectly to avoid any misunderstanding. Once the users question has been understand, then the Chatbot provides the most appropriate reply for the users query request. Then the users gets all the information related to the bus names with their numbers so the person can travel to the desired location. Our Chatbot implemented by using Pythons Keras library and Tkinter is used for GUI purpose.

**Keywords:** Chatbot, Artificial Intelligence, Natural Language Processing, Deep Learning, Keras, GUI, Tkinter.

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