

# **AUTOMATED BILLBOARD SCROLLER**



by

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## ABSTRACT

This research project is entitled “The Automated Billboard Scroller”, which aims to automate existing billboards with the development of a prototype to demonstrate its operation. The Automated Billboard Scroller combines the concepts of a billboard, an electric projector screen, and an anemometer. This combination creates a new system which can either be attached to existing billboards or has the construction of billboards modified. The Automated Billboard Scroller automates the scrolling of the tarpaulins or canvasses of billboards during typhoons when winds are strong, to prevent whole billboard structures from collapsing. The scrolling of the billboard is controlled by a Visual Basic 6.0 program, and reads the wind speed using an improvised anemometer. It scrolls up only when a critical wind speed has been reached, and scrolls back down to its normal position when the wind speed is below its critical level for a period of time.

We, the researchers, believe that this project has demonstrated our idea, and through this project documentation, we hope the reader will be able to grasp the importance of this project and fully understand the development and operation of the prototype of the Automated Billboard Scroller.