

## **FRAMEWORK FOR DESIGN OF DASHBOARD FOR THE VISUALLY IMPAIRED PEOPLE**

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### **ABSTRACT**

This paper proposes a framework of analytical work for modeling of dashboard for the visually impaired people car. The framework incorporates various decision-making techniques and designing of dashboard. The dashboard introduced here displays the speed, indication for each turning i.e. left or right and the battery level as DC motor is used instead of engine and ultimately the output is made audible. The coding for the interfacing different sensors with microcontroller is done by AVR Studio 4, Schematic diagram and simulation is done by using “Proteus7 Professional” software. The proposed design of dashboard encourages the use of visually impaired people car.

**KEYWORDS:** Visually Impaired, Dashboard, AVR Studio 4, Proteus7 Profesional