Arduino Scoreboard Using Algorithms

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*Abstract*—This paper presents the design and implementation of an Arduino-based scoreboard updating system that integrates dynamic programming, recursive functions, and greedy algorithms to optimize real-time score tracking and updates.

# Introduction

The development of efficient and responsive scoreboard systems is essential in various competitive sports, gaming events, and other real-time scenarios. As the demand for automated, real-time updates in such environments increases, it becomes crucial to leverage advanced computational techniques to manage and optimize the updating process. One promising approach is the combination of dynamic programming, recursive functions, and greedy algorithms. This paper explores the design and implementation of a scoreboard updating system built using an Arduino microcontroller, demonstrating how these computational paradigms can be integrated to deliver an efficient and responsive solution.

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*a**b* 

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* The word “data” is plural, not singular.
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