Pudhaiyal: A Maze-Based Treasure Hunt Game for Tamil Words

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Abstract : Word-based games are popular in helping people to improve their vocabulary skills. Games like 'word search' and crosswords provide a smart way of increasing vocabulary skills. Word search games are fun to play, but also educational which actually helps to learn a language. Finding the words from word search puzzle helps the player to remember words in an easier way, and it also helps to learn the spellings of words. In this paper, we present a tile distribution algorithm for a Maze-Based Treasure Hunt Game 'Pudhaiyal' for Tamil words, which describes how words can be distributed horizontally, vertically or diagonally in a 10 x 10 grid. Along with the tile distribution algorithm, we also present an algorithm for the scoring model of the game. The proposed game has been tested with 20,000 Tamil words.

Keywords : Pudhaiyal, Tamil word game, word search, scoring, maze, algorithm
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