

Portable Slot Machine

2 x Arduino Uno

1x 9V Battery

3 x Mini DC motors

1 x Optical sensor

4 x LEDs

Description:

A slot machine is a casino gambling machine with three or more reels which spin when a button is pushed. The reels stop respectively when each time the button is pushed again. While the traditional slot machine's result is completely randomly generated, this new portable version is purely based on skills. The result will depend on how fast the user pushes the button to line up the pattern. When three same patterns are presented, the optical sensor will detect the light through the reel and LED will hint the win. This portable slot machine is a great entertainment for gatherings with friends and family members, or even people you just meet. Since the game is skill based, unlike the real slot machine, winning does not encourage people to develop gambling behaviors. This is essential to the concept of this project, which is not a device for the gambling addict, but an ice breaking game for a group of people in the style of a traditional slot machine.