

Smart Chess Board

How about sitting in the comforts of your living room and challenging a player anywhere in the world to play a game with you on a "real chess set"? Sound's Cool right!!

Reluctantly you get up from your chair and make your way to the computer. You go to an online platform and start playing chess with random people who are also sitting in front of their computers in different parts of the globe. While playing online is fine, the fun of touching the pieces and making the moves on a real chess board is the missing element. The 2D computer screen doesn't give you the same experience that one gets while playing on the chess board during a tournament.

Meeting friends at a common place in order to play chess on a real chess board is not easy. You have to fix a location, a common time, take care of the transport and all of this is a huge hassle. But what if you could play on a chess board from the comforts of your living room against an opponent anywhere in the world!

So Basically,

Two chess boards will be connected with each other with the help of the app on your smart phone. The app will connect you with an opponent sitting anywhere in the world. Suppose you get the white pieces and make the move $I.e4$ on the board, that same move will automatically be executed on your opponent's board! It's just like playing against a real opponent!

Besides human opponents, you can also play against the in-built engine which will automatically make its moves.

The board is hooked up to a computer and requires the player to input a square address of the piece to be moved and the new location for the piece. The electromagnet is moved by two stepper motors and timing belts. Each piece has a loose steel ball bearing inside to allow them to easily slide around.

Inspired from '*Wizard's Chess*' game from the Harry Potter series.

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