SHREE CHANAKYA EDUCATION SOCIETY'S

INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

Approved By AICTE New Delhi, DTE (MS) and Affiliated to Pune University (Id-No. PU/PN/Engg/282/2007)

Department of Computer Engineering

Title of Project: ***Chess Neural Network Using Artificial Intelligence***

Name of Students with Roll No:

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Project Guide: Prof.Shwetkranti Taware

Objective:

To create an AI to scan millions of positions to find the best move.To create an AI that can self- adjust according to Human Thinking.The more games we feed,the better AI adjusts it self to Human Thinking.To help a player to increase his mental strength or IQ level.Professionals can improve their game by analyzing mistakes and blunders.To change the game of chess of how it was observed a few years back.

Description:

Chess is a board game played between two players that simulates a war between two kingdoms. It is one of the most popular games in the world. Millions of people play it both recreationally and competitively. Chess is a turn-based strategy game with no hidden information. For this reason, the element of luck is virtually non-existent in the game. Chess is a complex game with many pieces and rules. To play chess, players need at least a set of chess pieces and a chessboard. A chess piece set has two different armies of pieces, each containing eight pawns, two knights, two bishops, two rooks, a queen, and a king. Players can distinguish their armies based on their colours, with light and dark pieces. Regardless of the actual colour of the pieces, the light side is called White, while the dark side is called Black—reminiscent of the ivory and ebony pieces used in the past.

Key Features:

Android studio used to develop app and machine learning image classification used to validate product images and many more features like weather details, buying or selling, AI chatbot, user location etc.

Software Requirements:

Sr.No.	Software Component	Details
1.	Operating System	Windows 10, Mac and Linux
2.	Technology	C# , HLSL , Smalltalk , ShaderLab
3.	IDE	Unity
4	Server	

Hardware Requirements:

Sr.No.	Component	Details
1.	Processor	Intel i3 And Above
2.	Memory	RAM:4GB, HDD:2 GB
3.	Testing Hardware	Android Phone and mobile connector

Project Snap Shot: