

## ABSTRACT

Topic: Ice Hockey

Project Nature: New topic

Completion Level: Zero

Just as physical exercise helps in improving and strengthening your muscles, cognitive games help to indulge one's brain in constant stimulation, thus improving the brain's performance. Ice Hockey is an online multi-player game, intended to play in android smart phones.

**Gameplay:** The gameplay consist of 2 players as opponents. They are connected over internet. There will be a hockey ball (hockey puck), can be controlled by the gestures of the players. The aim of the game is to score more goals than the opponent. When one tries to score the goal, the other can deflect the ball from being a goal. The player who reaches 15 goals first will win the match.

### Modules

Match making: Match making is the process of finding and allocating players for the game. This will be based on the skills and ranking of the player.

Core gaming module: This module consists of the actual gaming model, real-time synchronization of players, scoring calculations, etc...

History and leader-board: Processing and conservation of gaming history and results to facilitate leader-board and skill based match making