Project Proposal

1. **Project title** : Virtually real Jigsaw Game

2. **Project Category** : Visualization / Education / Virtual Reality

3. **Group numbers** : Mrunal Nargunde

4. **Team profile** :

   a. Strengths : Programming, design, presentation, documentation, management and organization

5. **Name of the elected team leader** : Mrunal Nargunde

6. **Hardware Requirements :** The Leap Motion Controller senses how you naturally move your hands and lets you use your computer in a whole new way. Point, wave, reach, grab. Pick something up and move it.

7. **Project description :**

   i. Jigsaw is a educational game for kids using virtual reality.

   ii. **Features** :

      1. This is a virtual reality application using leap motion device.

      2. **Input** :

      User can provide a image to convert it into a jigsaw puzzle.

      The image can be randomly cut into pieces.

      After the puzzle pieces are jumbled, the user can play to set the pieces in the right place

   iii. **Programming** :

      The project will use leap motion SDK for generating the jigsaw puzzle.

      The project can be made using Javascript / Java / Python.

      The project will accept different images and the jigsaw pieces will be made.

      The pieces will be shuffled by the program for the user to start the playing.

      The user can select the piece using a hand pointer and place it in the dashboard to complete the puzzle successfully.

References : https://www.leapmotion.com/