**INSTRUCTIONS FOR USER**

All that you need to solve a Rubix cube are 12 basic moves. When you grab a real three dimensional cube in your hand with the blue face in the front and white face on the top. You are provided with the basic moves as mentioned below:

MOVE 1: **LEFT UP**

**Left Up :** When looking the blue side as front face and moving the left column in such a way that it seems away from us . Making more sense the left face is turned in anti-clockwise direction is same as saying ‘Left Up’.

MOVE 2 : **RIGHT UP**

**Right Up :** When looking the blue side as front face and moving the right column in such a way that it seems away from us . Making more sense the right face is turned in clockwise direction is same as saying ‘Left Up’.

MOVE 3: **TOP RIGHT**

**Top Right:** When we look at the cube in the way given above, the top of the three layers of the cube when turned in a way that it seems that the left-top block is being moved to the right. Making more sense, turning top face moved in counter-clockwise direction is as same as saying ‘Top Right’.

MOVE 4:**BOTTOM RIGHT**

**Bottom Right:** In the similar way as with the top face when we make the move in such a way that it seems to have moved the bottom left block to the right. Making more sense, turning bottom face in clockwise direction is as same as saying ‘Bottom Right’.

MOVE 5 : **FRONT CLOCKWISE**

**Front Clockwise :** Taking the blue as front face moving the face in clockwise direction.

MOVE 6 : **BACK CLOCKWISE**

**Back Clockwise :** Taking the blue as front face moving the back face in clockwise direction.

MOVE 7 : **LEFT DOWN**

**Left Down :** When looking the blue side as front face and moving the left column in such a way that it seems moving towards us . Making more sense the left face is turned in clockwise direction is same as saying ‘Left Down’.

MOVE 8 : **RIGHT DOWN**

**Right Down :**  When looking the blue side as front face and moving the right column in such a way that it seems moving towards us . Making more sense the right face is turned in anti-clockwise direction is same as saying ‘Right Down’.

MOVE 9 : **TOP LEFT**

**Top Left:** Again when we look at the cube in the way given above, the top of the three layers of the cube when turned in a way that it seems that the right-top block is being moved to the left. Making more sense, turning top face in clockwise direction is as same as saying ‘Top Left’.

MOVE 10: BOTTOM LEFT

**Bottom Left:** In the similar way as with the top face when we make the move in such a way that it seems to have moved the bottom right block to the left. Making more sense, turning bottom face in counter-clockwise direction is as same as saying **‘**Bottom Left’.

MOVE 11: FRONT ANTO CLOCKWISE

**Front Anti-Clockwise :** Taking the blue as front face moving the back in anti-clockwise direction

MOVE 12 : BACK ANTI CLOCKWISE

**Back Anti-Clockwise :** Taking the blue as front face moving the back face in anti-clockwise direction.