**ASSIGNMENT 5**

**Submitted by: Princepreet Singh**

**COMPUTER ILLUSTRATION**

**MESH TOOL:**

Mesh in Illustrator is a tool that allows users to create gradients in all forms, including 3D illustrations in vector format that can be further modified based on points and control the mesh; a mesh object is simply a colorful entity on which colors can slide in many ways, and the change can happen uniformly. In other words, Mesh allows for very flexible and detailed application of color to objects.

A Gradient Mesh creates a grid inside the object that follows the contour. Color can then be applied to grid points, and different colors between grid points feather into each other. A mesh is a grid comprising of more than one mesh point that reacts much like even anchor points. You can modify each of these points to manage the form of the mesh. It is genuinely an exceptional type of object or constructs in Illustrator, and it does not do what a regular path does. A mesh object is a colorful object on which colors can glide in various directions, and the transformation can happen evenly from one end to another.

**Parts of mesh Tool:**

* Mesh
* Mesh facet
* Mesh anchor point
* Anchor point

**How to Use the Gradient Mesh Tool in Adobe Illustrator**

1. Firstly, Select the object, then go to Object > Create Gradient Mesh.

Graphical user interface, application

Description automatically generated

1. Set the number of Rows and Columns. Check Preview, if necessary, so we can see the grid, then click OK.

Graphical user interface, application

Description automatically generated

1. The grid has anchor points at the ends and intersections of the grid lines. Choose the Direct Selection Tool and click one of the anchor points.

A picture containing athletic game

Description automatically generated

1. Select the Gradient Mesh Tool and make sure that Fill is active. Click on one of the grid points in the object, then click a color in the Swatches Panel.

A picture containing text, screenshot, kitchen appliance

Description automatically generated

1. Continue selecting different grid points and applying color. We must be careful around the edges. If we click the path where there is no grid point, we will add another grid line.

A picture containing balloon, aircraft

Description automatically generated

1. Note that the Gradient Mesh Tool only allows one grid point at a time to be selected. If we want to apply the same color to more than one grid point, use the Direct Selection Tool instead. After clicking the first grid point, hold down the shift key to select additional ones.