

ICE-1108

Engineering Drawing

Lab 3

Pictorial and Isometric Views

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ICE Dept.

Engineering drawing



Pictorial Views

ii. Pictorial views:

Pictorial view is 3D which is used to visualize an object in one view.

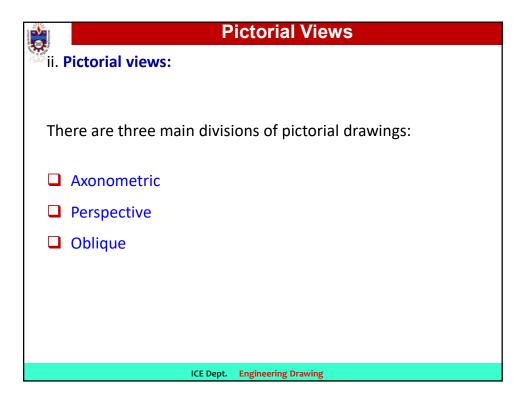
With the help of pictorial view complicated engineering drawings can easily be communicated to the people who do not have sufficient training in understanding the O.V.

A pictorial view provides the main dimensions of the object.

It cannot be used as a working drawing.

It is used only to visualize the object.

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Types of drawing

Oblique:

If the rays are at an angle to the plane, the projective method is called oblique.

Perspective:

Rays are taken to a particular station point result in perspective projection. By the methods of perspective the object is represented as it would appear to the eye.

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Perspective View

Perspective:

- •If you look along a straight road, the parallel sides of the road appear meet at a point in the distance. This point is called the vanishing point and has been used to add realism to art since the 1400's in Florence, Italy (via city.net, no longer active).
- Suppose you want to draw a railroad track that vanishes into the distance. The rays from the points a given distance from the eye along the lines of the tracks are projected to the eye. The angle formed by these rays decreases with increasing distance from the eye. The picture below shows an overhead view of an observer (camera or eye) looking down the track.

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Perspective view



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