

Lab Session II

Commands for Draft Environment covered this week:

MOVE, COPY, OFFSET, TRIM, EXTEND, FILLET, CHAMFER

- 1) **MOVE**: Used to move element from one location to other.

Execution:

1. Select the element using the “select tool”, then press the left click on the selected element and drag the mouse to the desired position.
2. Click on the Move tool on the Drawing tools bar, then select the element and type the relative coordinates with respect to the present coordinates you wish to move the element from.

- 2) **COPY**: Used to copy an element

Execution:

1. Select the element using the “select tool”, then press CTRL and the left click on the selected element and drag the mouse to the desired position.
2. Click on the Move tool on the Drawing tools bar and click on Copy tab on the Ribbon bar , then select the element and type the relative coordinates with respect to the present coordinates you wish to move the element from.

- 3) **OFFSET**: Used to offset an object while keeping the original object intact.

Execution:

1. Select the element using the “select tool”, then click on the “Offset” icon in the Drawing tools bar. Fill in the offset distance in the box on the Ribbon bar and click on the accept button(Green color tab). Then select the offset direction by clicking on the appropriate side of the original object.

- 4) **TRIM**: Used to trim elements formed by the intersection of other elements.

Execution:

1. Click on the “Trim” tool from the Drawing tools bar, then click on the elements to trim.

- 5) **EXTEND:** Used to extend elements to form intersections.

Execution:

1. Select the “Extend” tool from the “Trim” tool flyout in the Drawing tools bar, and then click on the two elements you wish should intersect.

- 6) **FILLET:** Used to round off the sharp edges.

Execution:

1. Select the “Fillet” tool from the Drawing tools bar, and then click on the two elements forming the sharp edge. Then input the radius of the fillet in the Ribbon bar box.

- 7) **CHAMFER:** Used to flatten the sharp edges.

Execution:

1. Select the “Chamfer” tool from the Drawing tools bar, and then click on the two elements forming the sharp edge. Then input the lengths you want to rub off the two edges in the Ribbon bar boxes.