



NUST

NATIONAL UNIVERSITY
OF SCIENCES & TECHNOLOGY

***SCHOOL OF MECHANICAL AND MANUFACTURING ENGINEERING
(SMME)***

AE – 01

ENGINEERING DRAWING (AE – 103)

ASSIGNMENT NO. 02

NAME: Syed Shah Umer

DATE: 10TH MAY 2024

CMS ID: 465502

SEMESTER: 2ND

INSTRUCTOR: MS. LAIBA WAHEED

Introduction:

For an engineer a design and its communication plays a major role in industry, isometric drawings are used to communicate 3d designs whereas orthographic drawings are 2d projections of 3d drawings, in this assignment top front and side view of 3 parts is drawn on autocad.

Tools:

Different types of lines were used to create a comprehensive view of the drawings :
such as :

Solid lines

Hidden lines

Centre lines

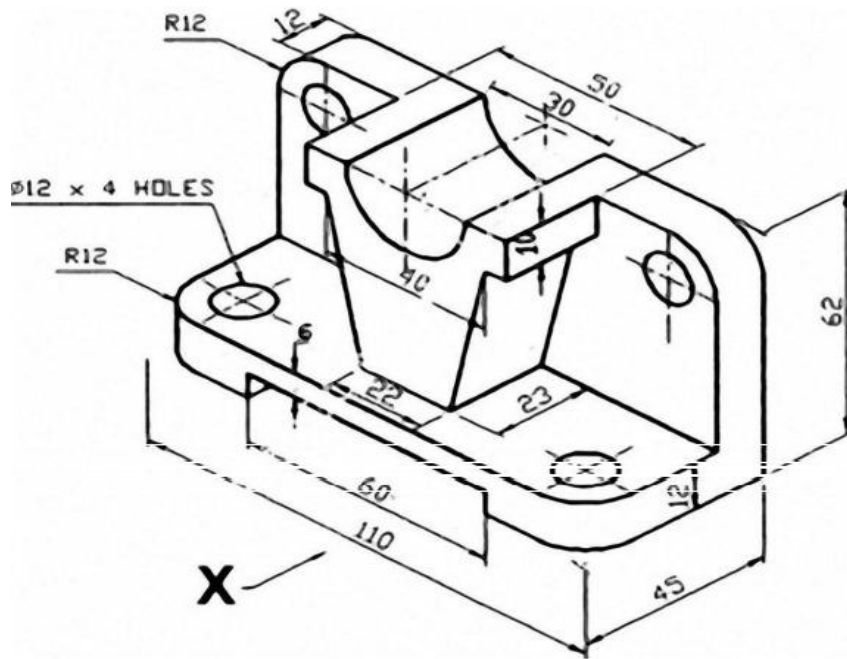
Centre marks

Dimensions

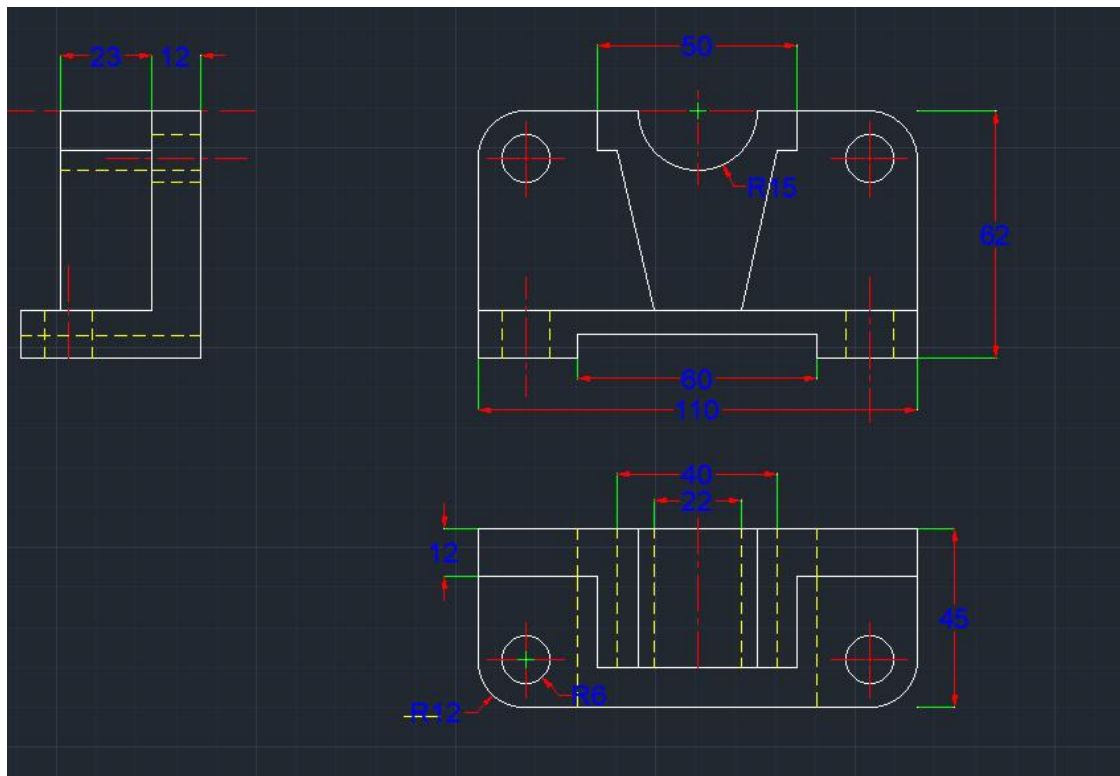
These lines were coloured to make a clear picture of the drawing.

Dimensioning :

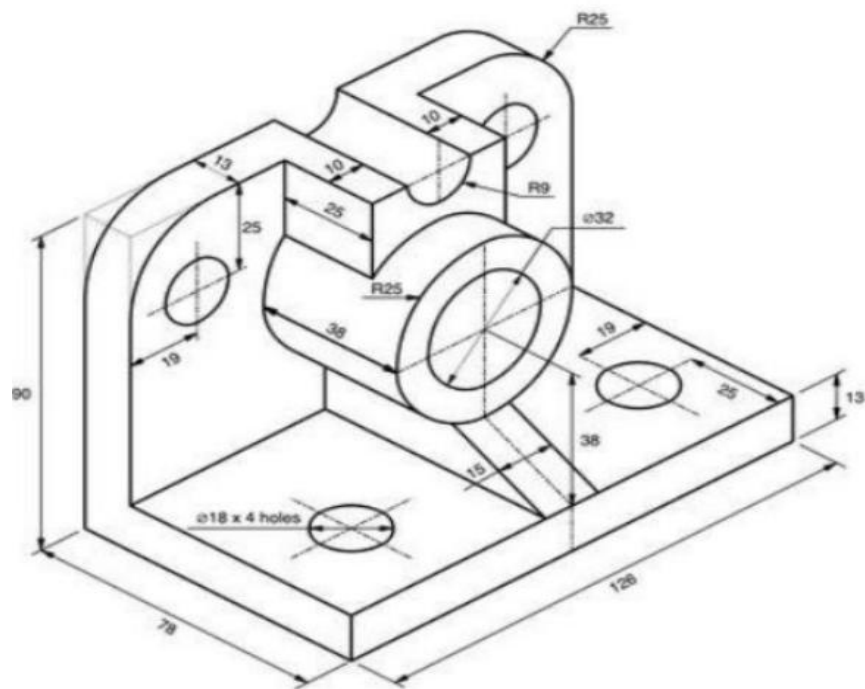
Dimstyle was used to access features such as arrow size, front size font colour etc.



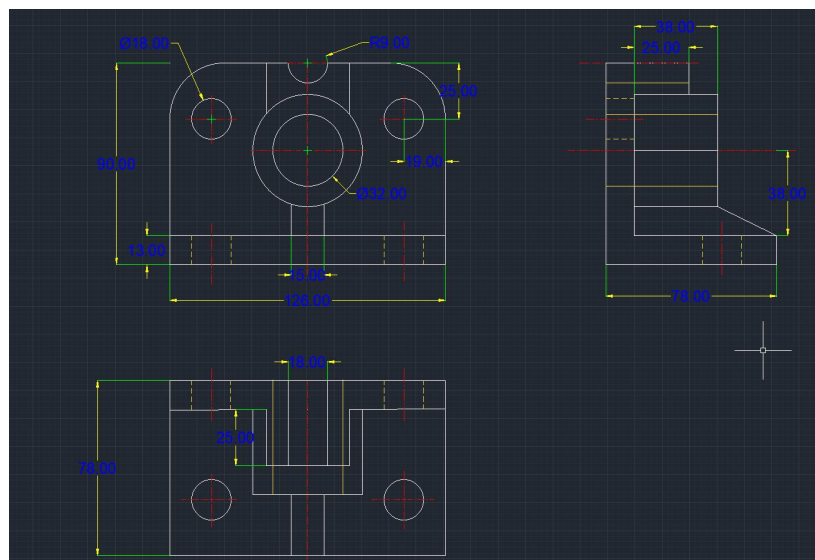
Drawing #1



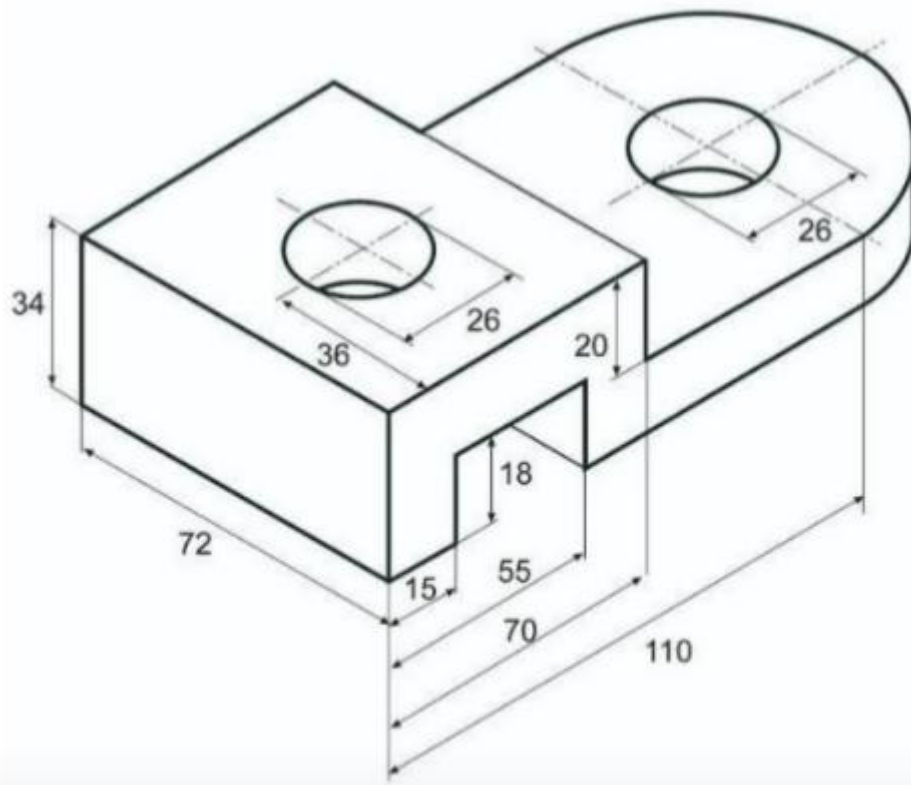
Right view(top left): front view(top right); top view(right bottom)



Drawing #2

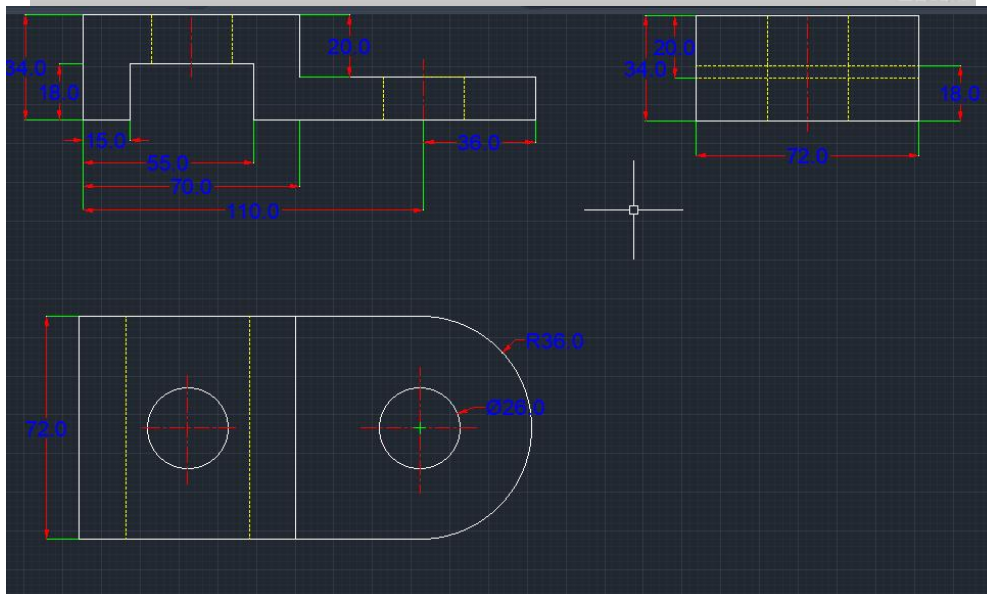


Right view(top left): front view(top right); top view(right bottom)



Drawing #3

23:04



Right view(top left): front view(top right); top view(right bottom)