**Methodology:**

1.Take the input as the ultrasound image of foetus.

2. For removing the noise use wiener filter

3.For smoothing use the gaussian filter for different value of sigma(used:sigma=4).

4.Using Power law transform for spatial smoothing.

5.Histogram equalization

5.Otsu segmentation for thresholding.

6.Convert gray to binary using threshold of otsu.

7.Boarder clearing

8.Morphological operator

9.Ellipse fitting on original image.

10. Plot the ellipse .

11. Finding the gestational age using BPD(major axis length of ellipse).