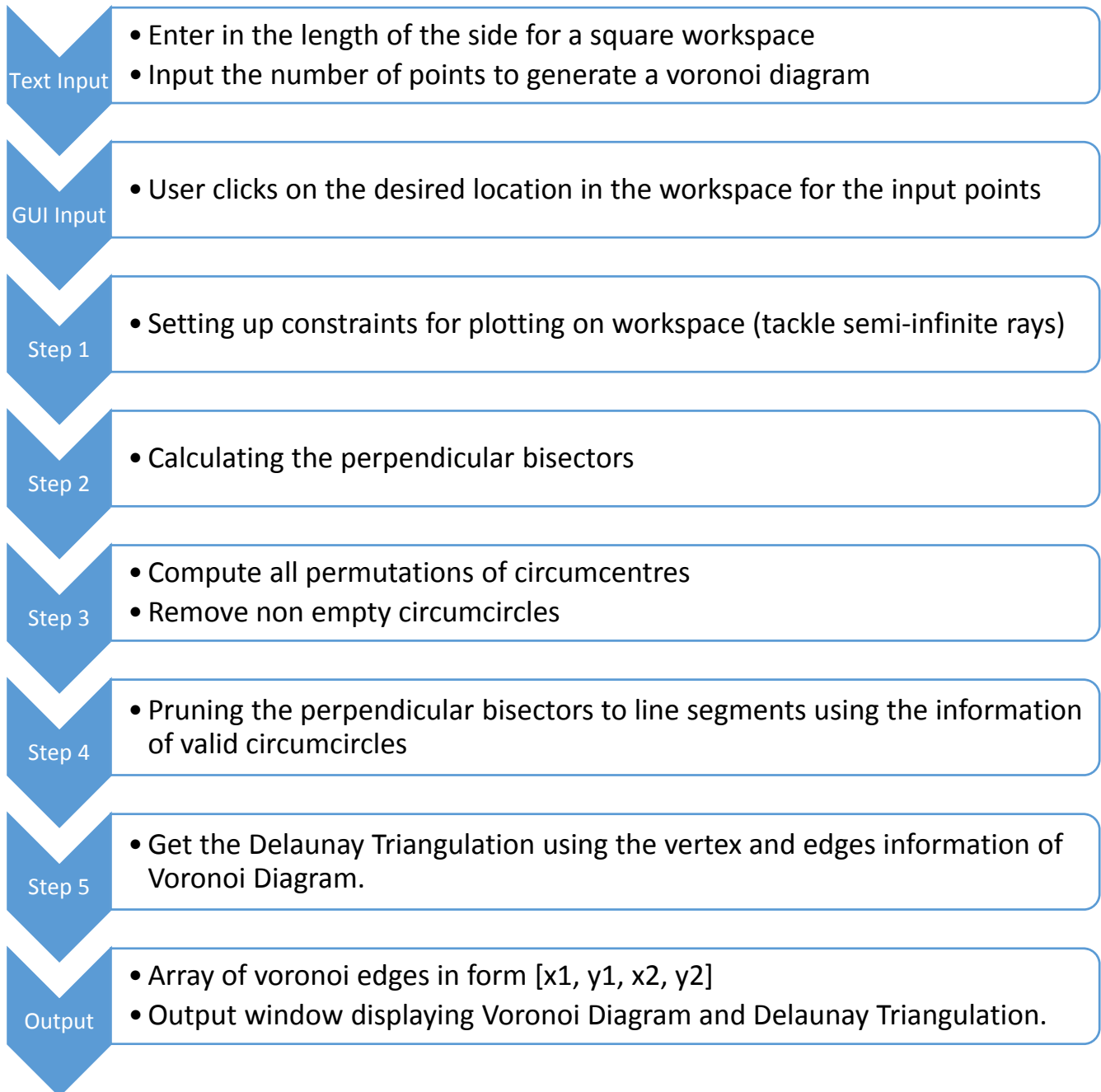


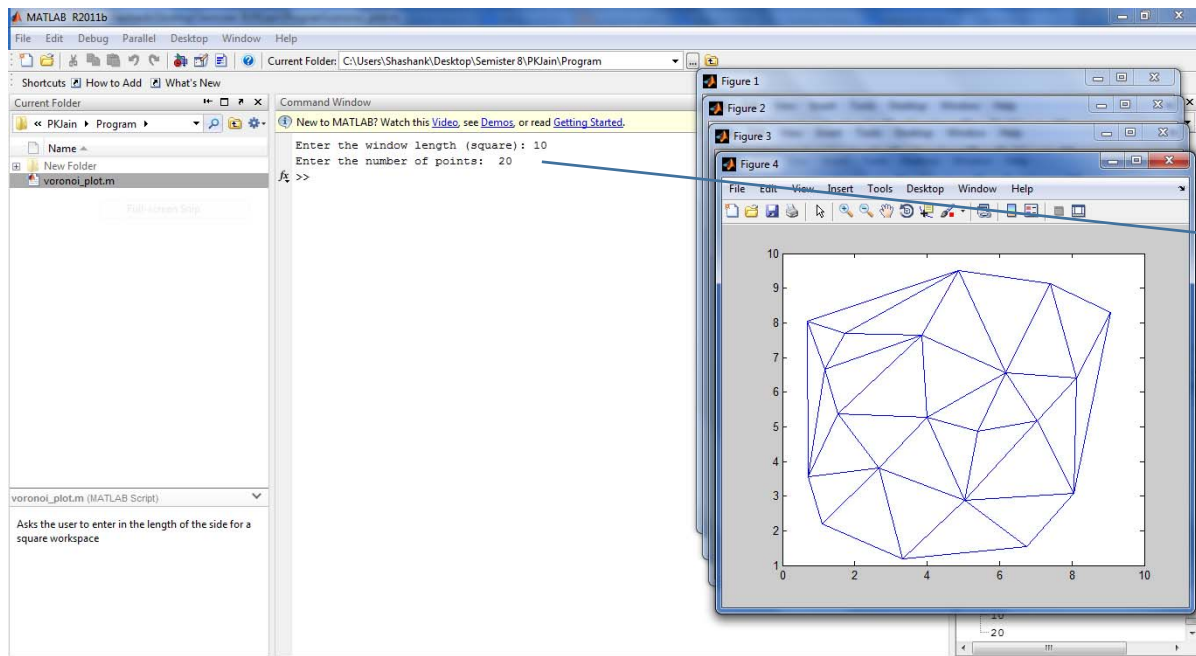
# Implementation of 2-D Voronoi Diagrams & Delaunay Triangulation

## Program Outline:-

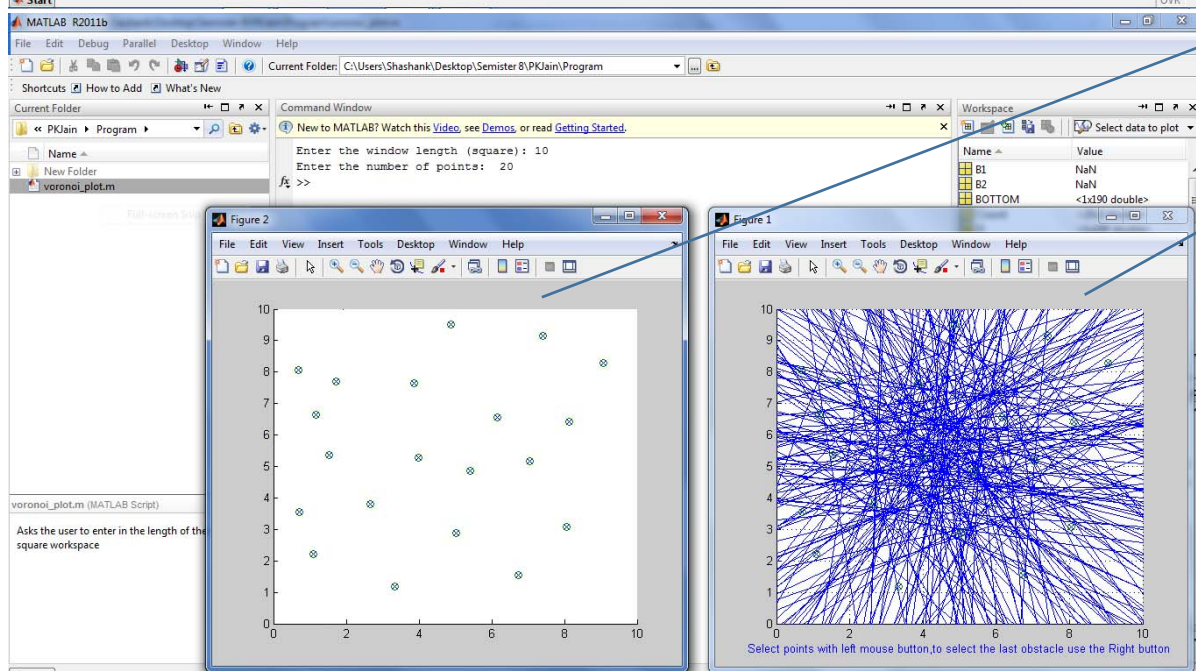


## Remark:-

The asymptotic complexity of this straight forward method was  $O(n^4)$  which is bad compared to other algorithms discussed. They have a complexity ranging from  $O(n^3)$  to  $O(n^2 \log(n))$

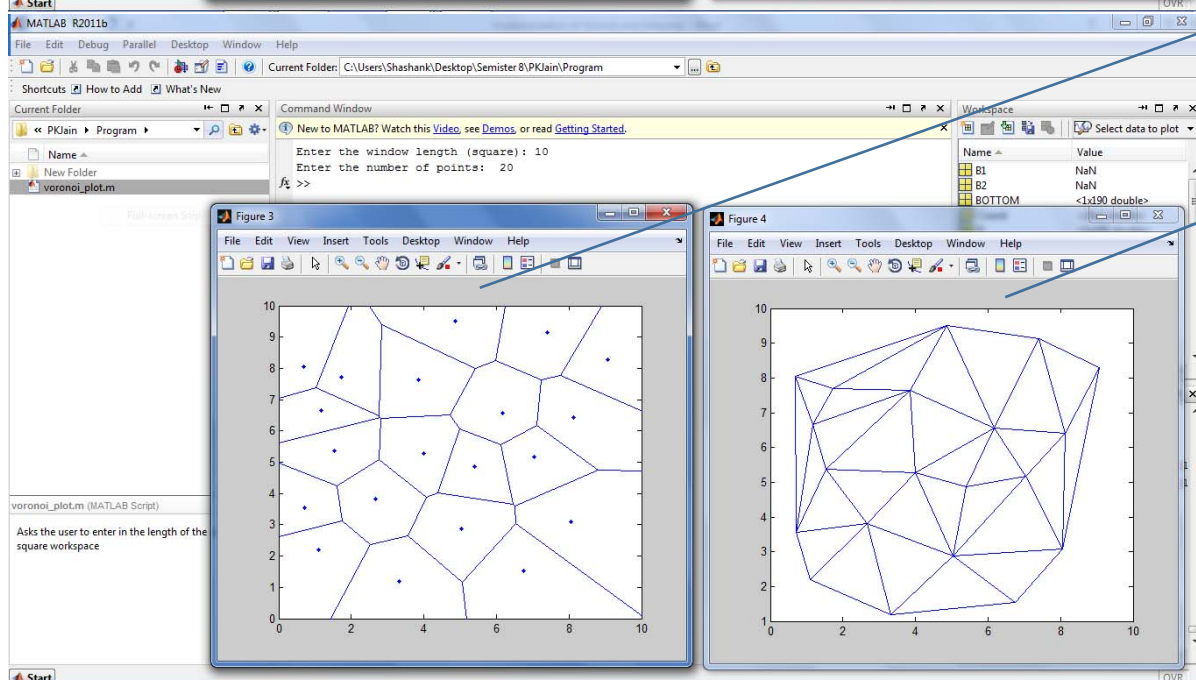


Input  
entered by  
user



Input point  
Data

Visualisation  
of Step 2:  
Perpendicular  
Bisectors



Voronoi  
Diagram

Delaunay  
Triangulation