

Assignment 6

Group Name- MinTech
Enthusiasts

Group Members:-

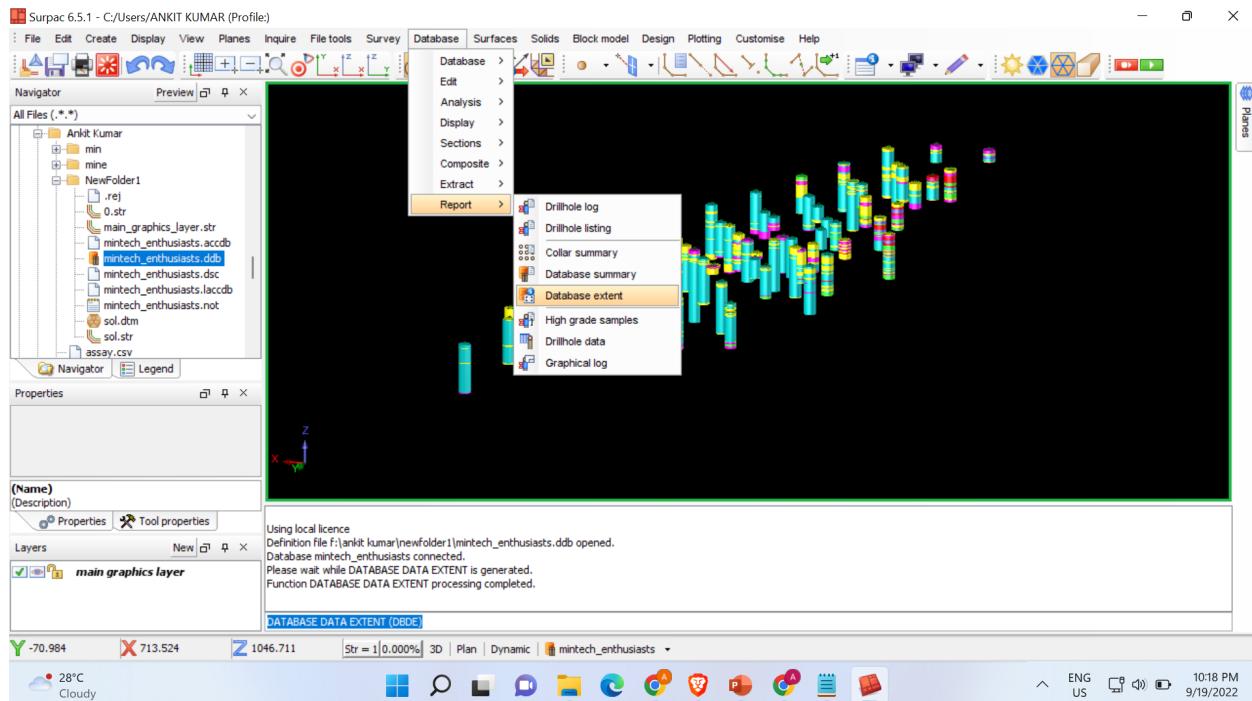
Abhishek Sawargave 20JE0035

Ankit Kumar Mondal 20JE0146

Ankit Kumar 20JE0145

Akash Chand 20JE0078

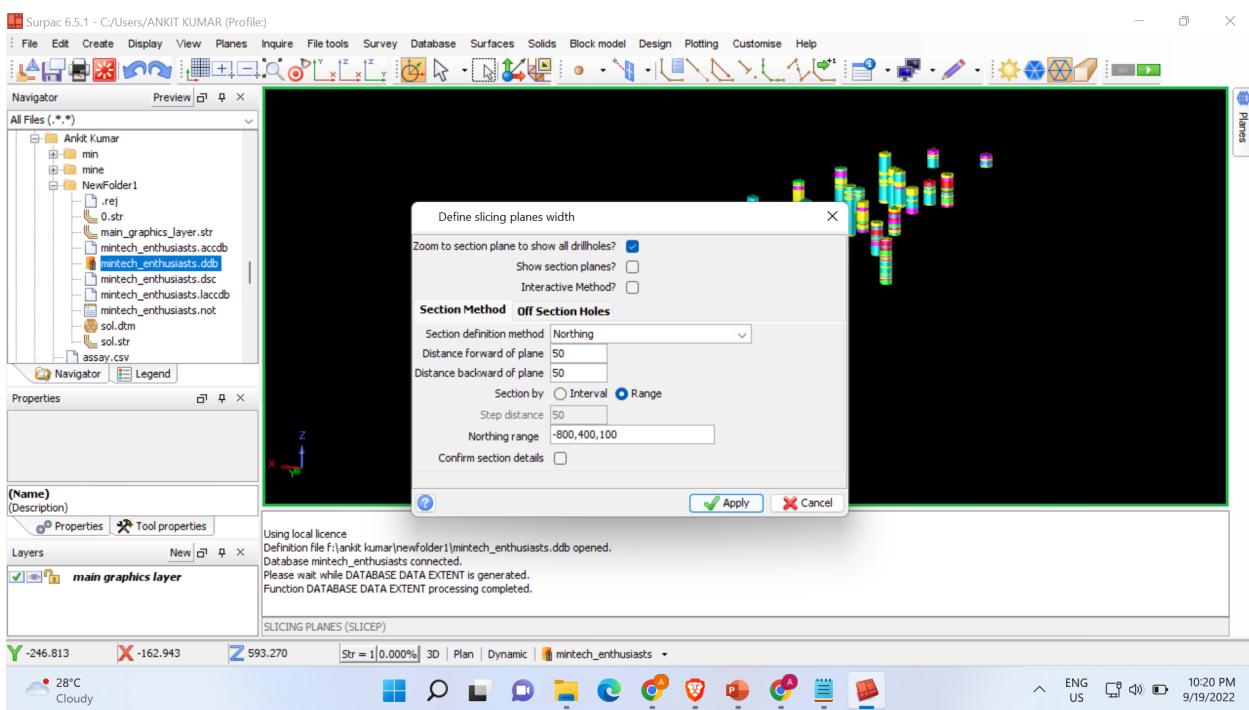
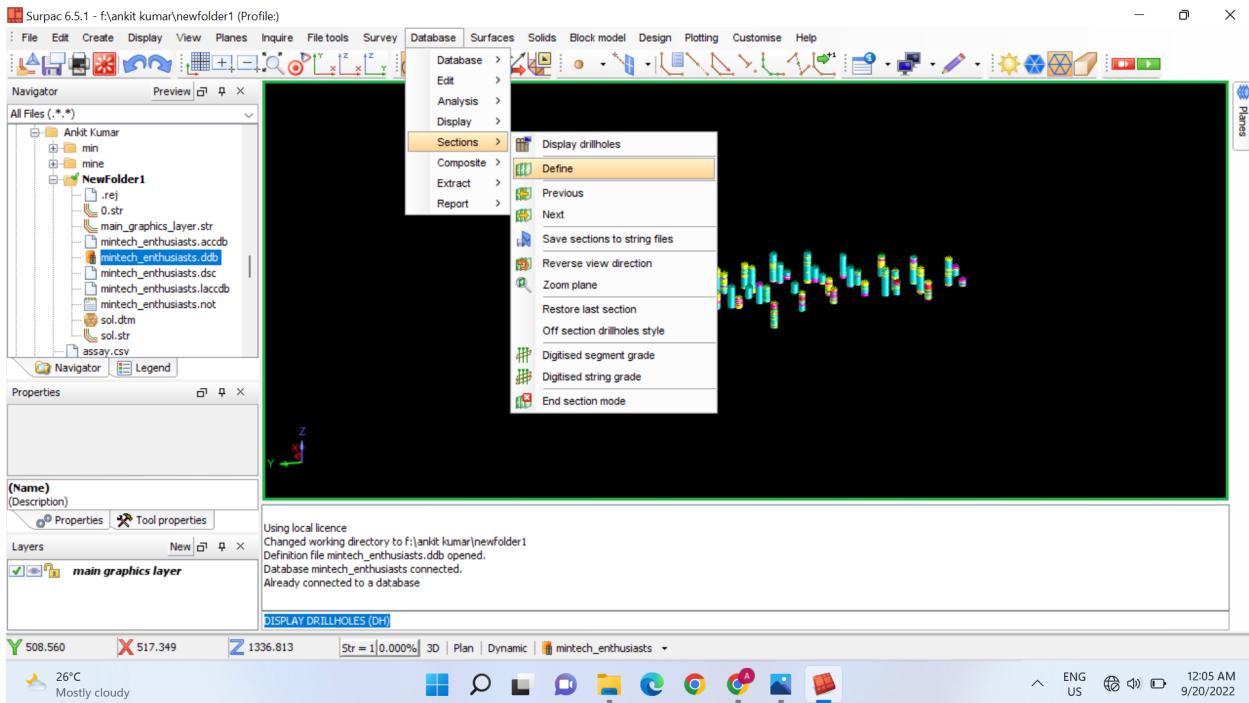
1) Display the drill holes and view the Database Data Extent Report to get the information about the northing and easting of the drill holes



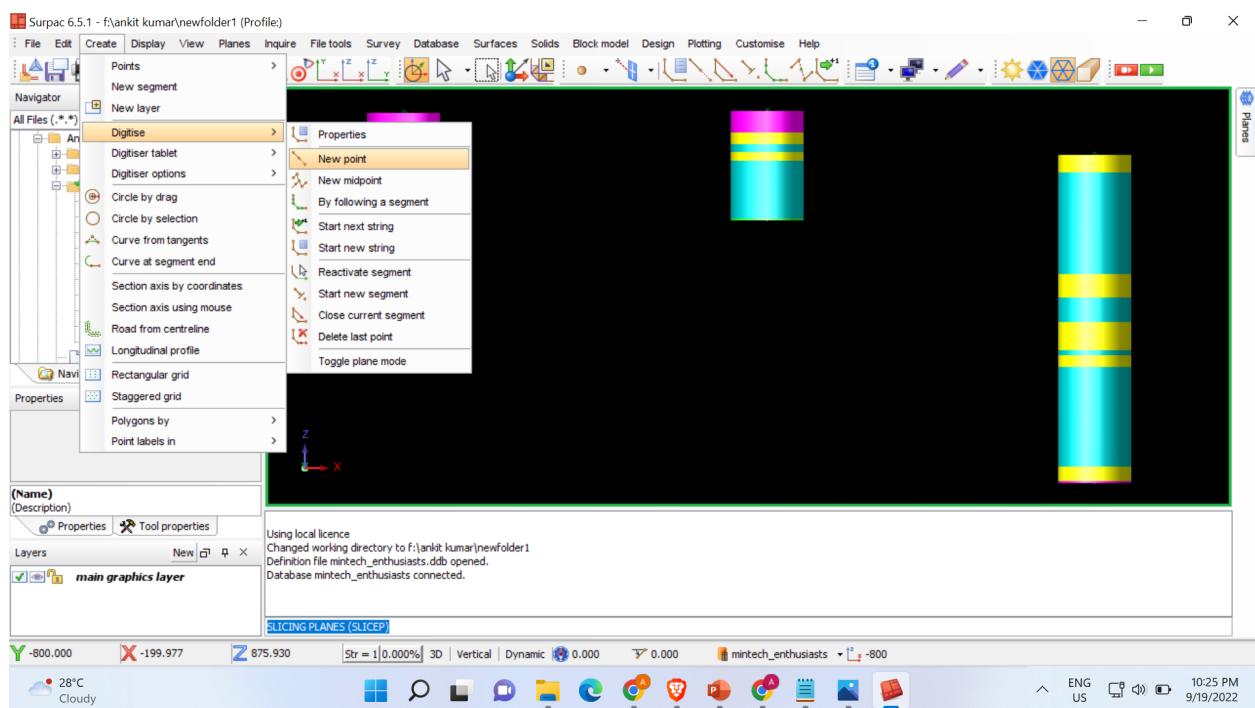
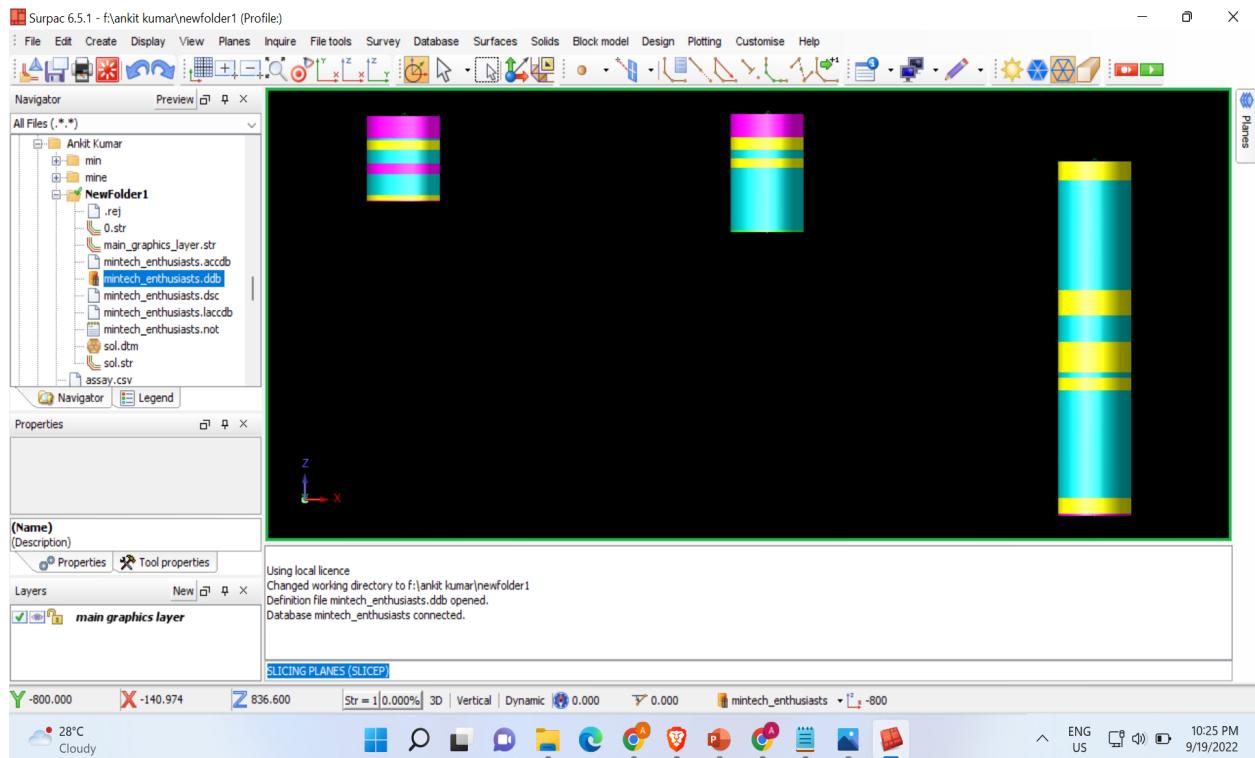
The screenshot shows a Notepad window titled 'north.not - Notepad'. The content is a 'Database Data Extent Report' from Sep 19, 2022. It includes summary statistics and a detailed table of drill hole coordinates. The table has columns for Hole Id, Northing, Easting, Elevation, and Depth. The report ends with 'Page 1 of 1'.

Hole Id	Northing	Easting	Elevation	Depth
MIN. NORTHING	854	-800.000	-90.000	870.820
MAX. NORTHING	B13	400.000	0.000	856.170
MIN. EASTING	B36	-200.000	-200.000	852.650
MAX. EASTING	B63	400.000	400.000	741.420
MIN. ELEVATION	B63	400.000	400.000	741.420
MAX. ELEVATION	B70	170.000	-70.000	880.760
MIN. DEPTH	B06	190.000	0.000	869.070
MAX. DEPTH	B03	0.000	100.000	845.790

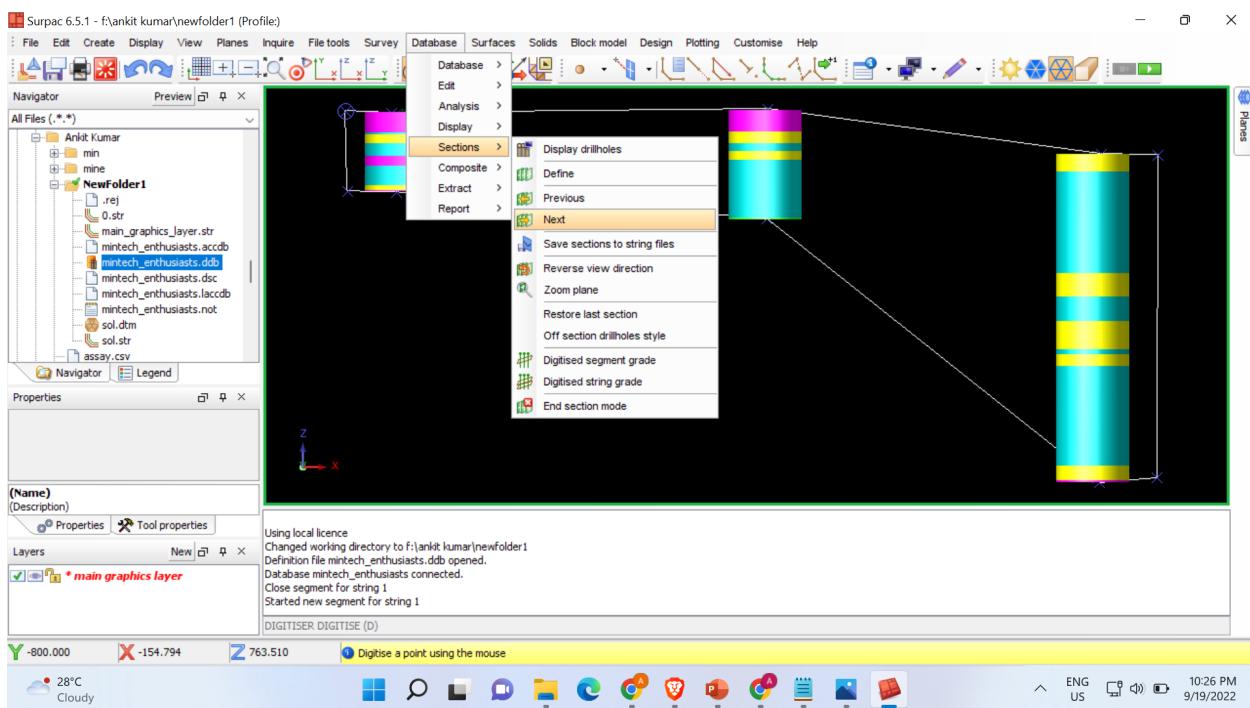
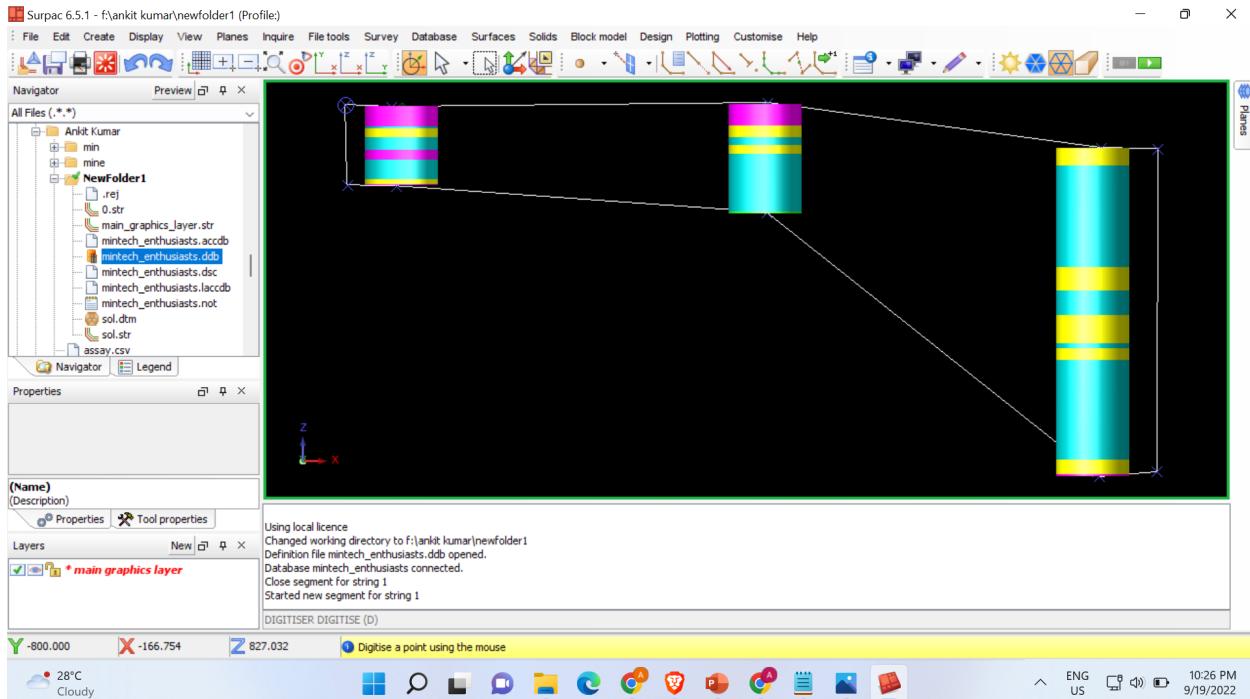
2) Section the drill holes based on northing.

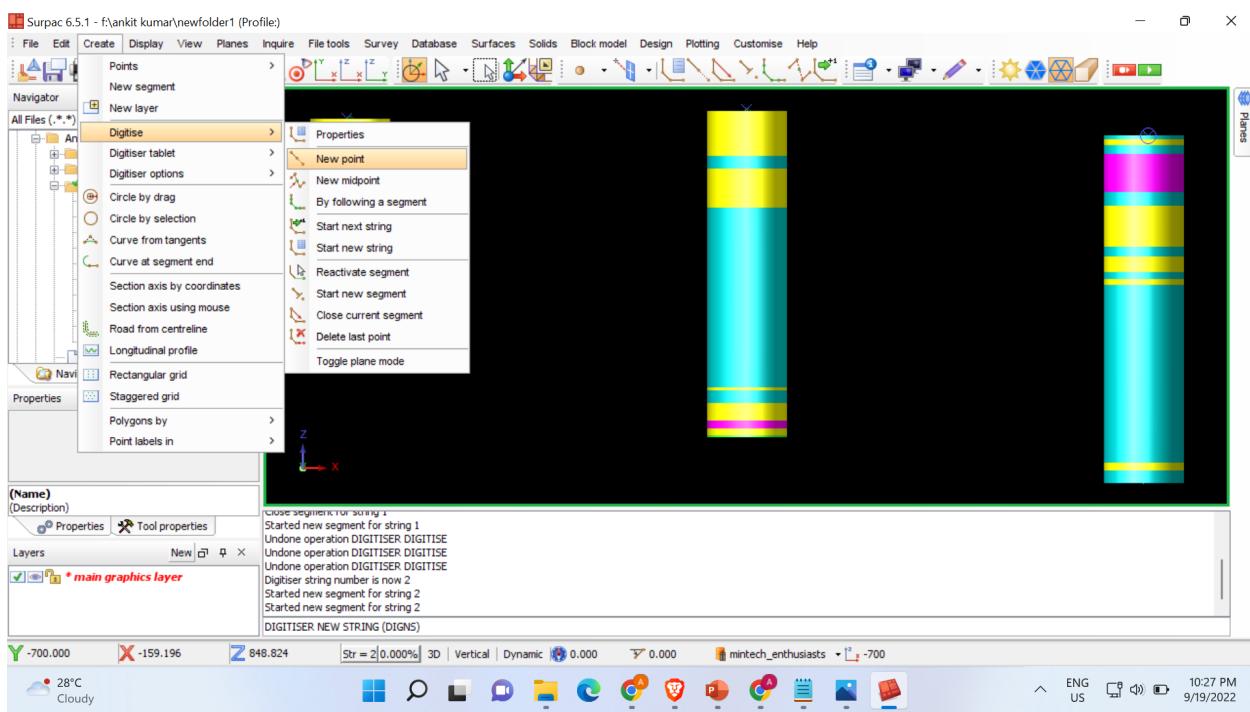
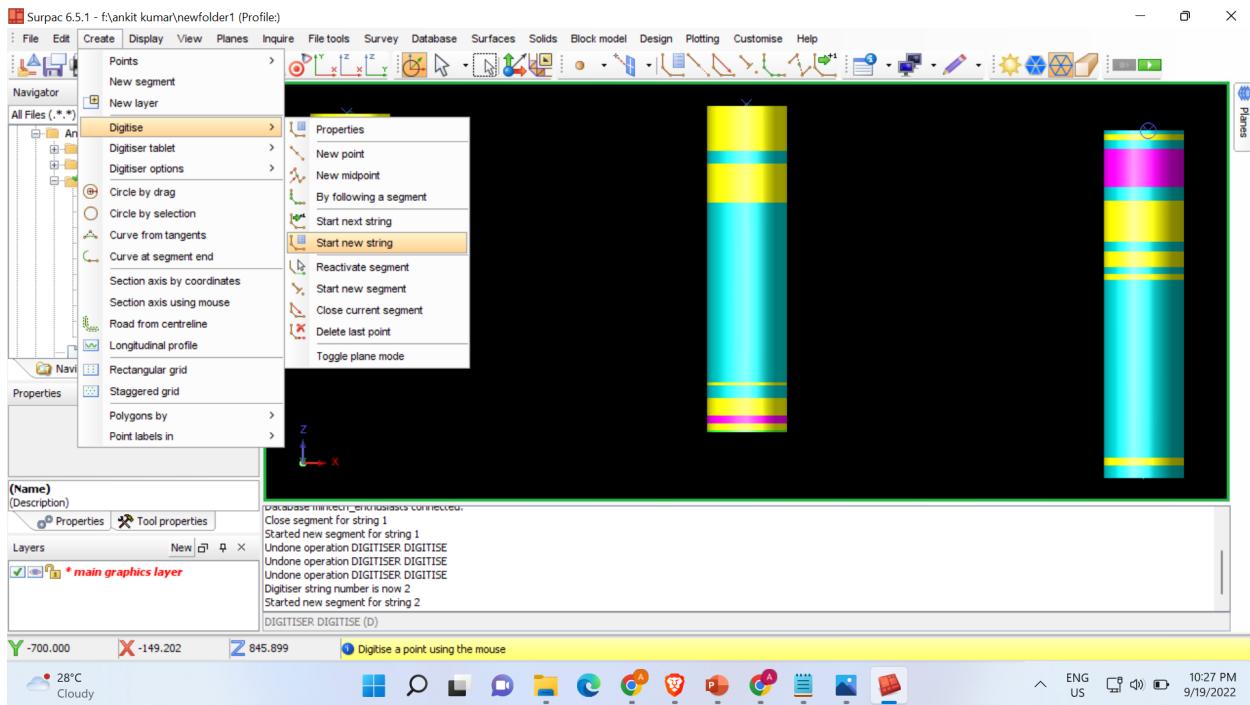


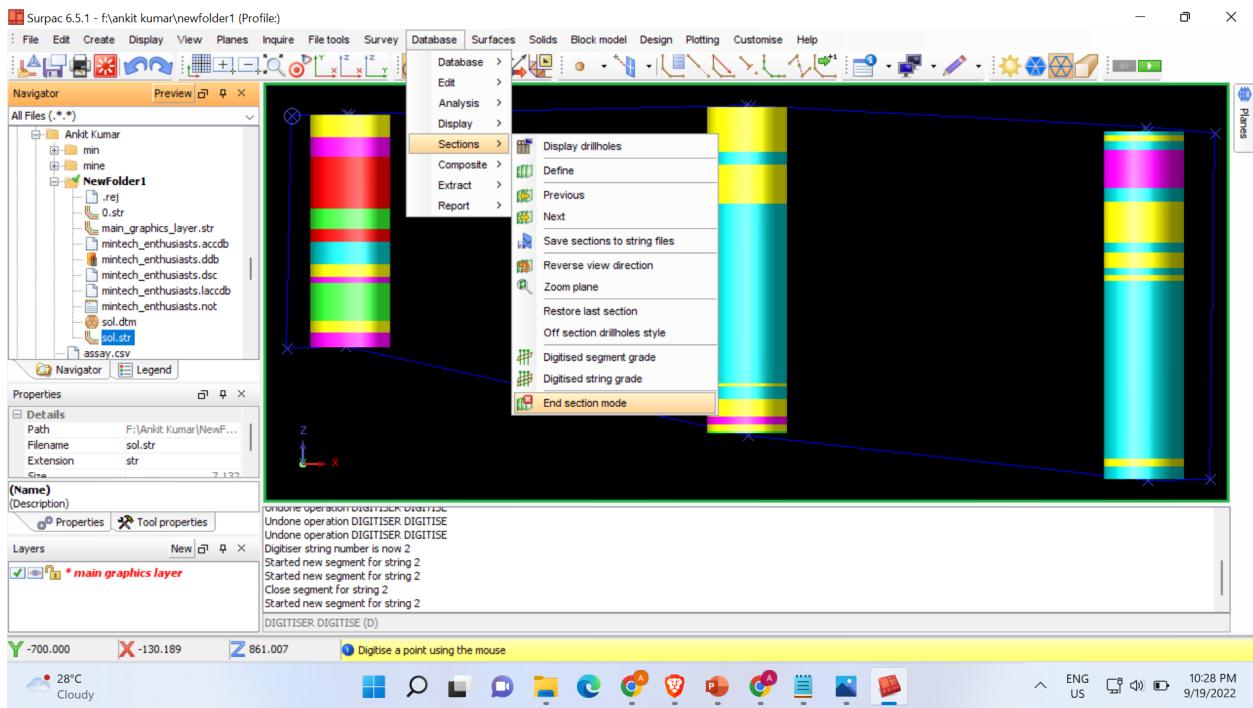
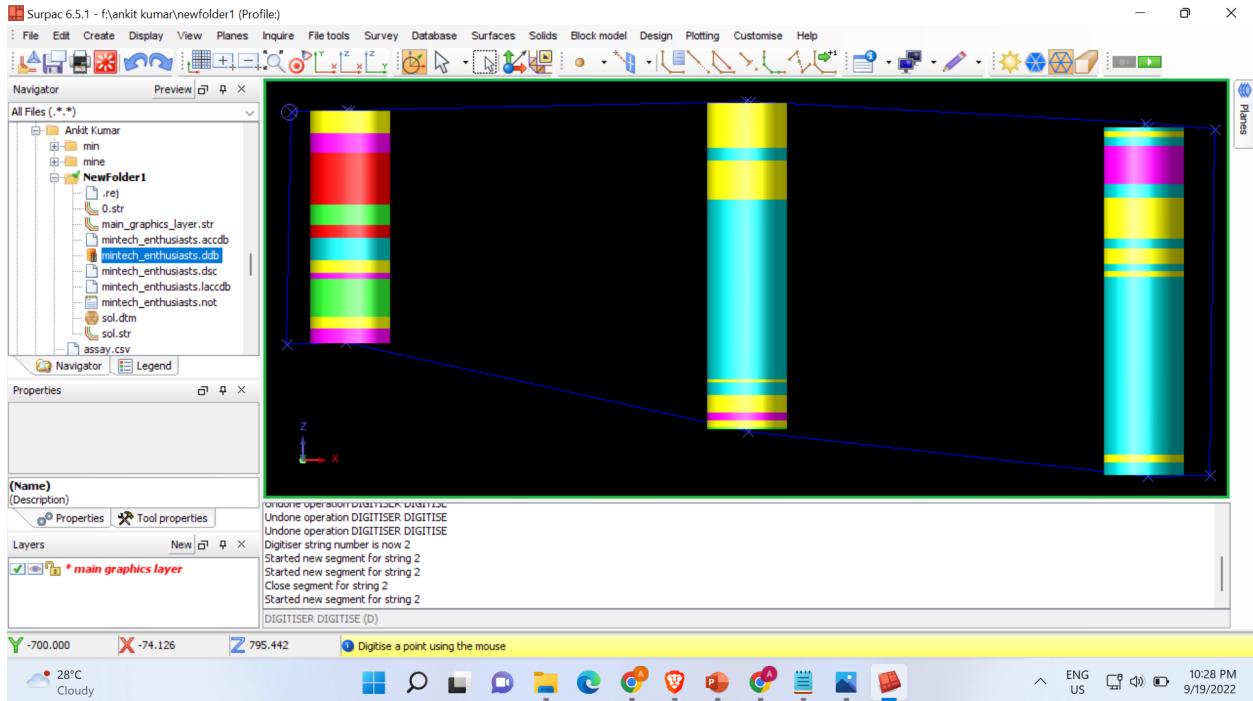
3) The sections are created. It will look like this.



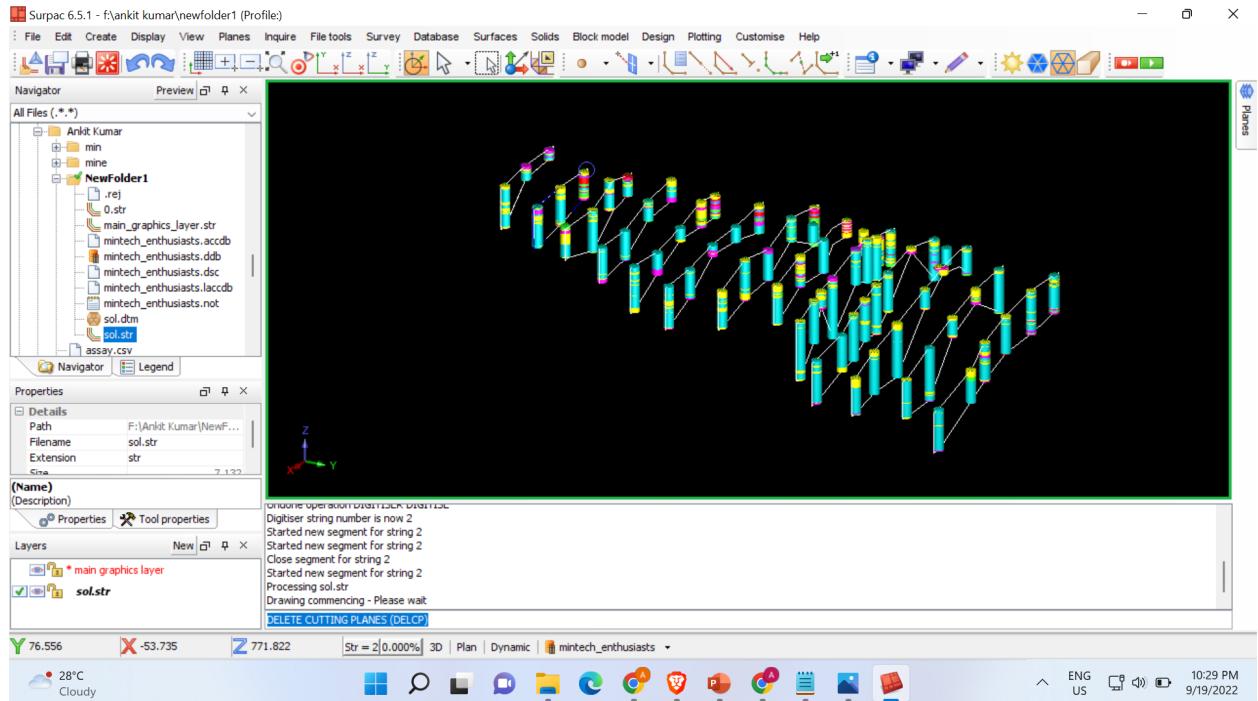
4) Create strings in the 'anticlockwise' direction on all the segments.



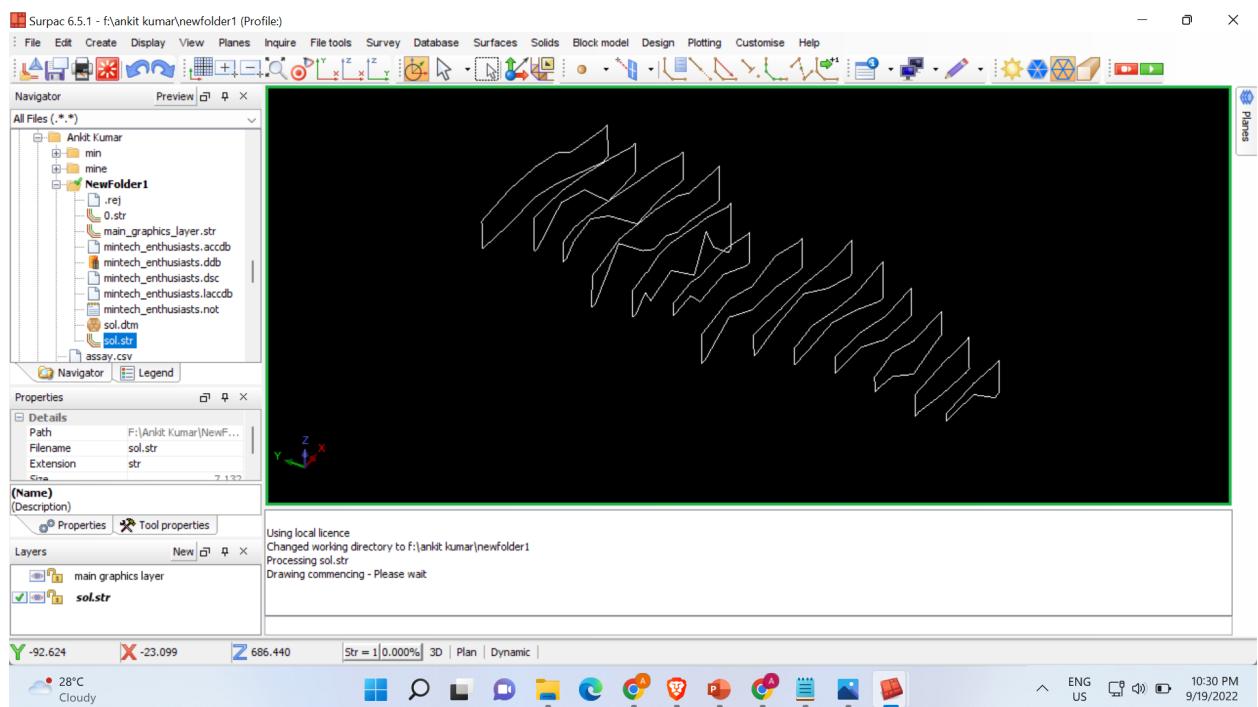




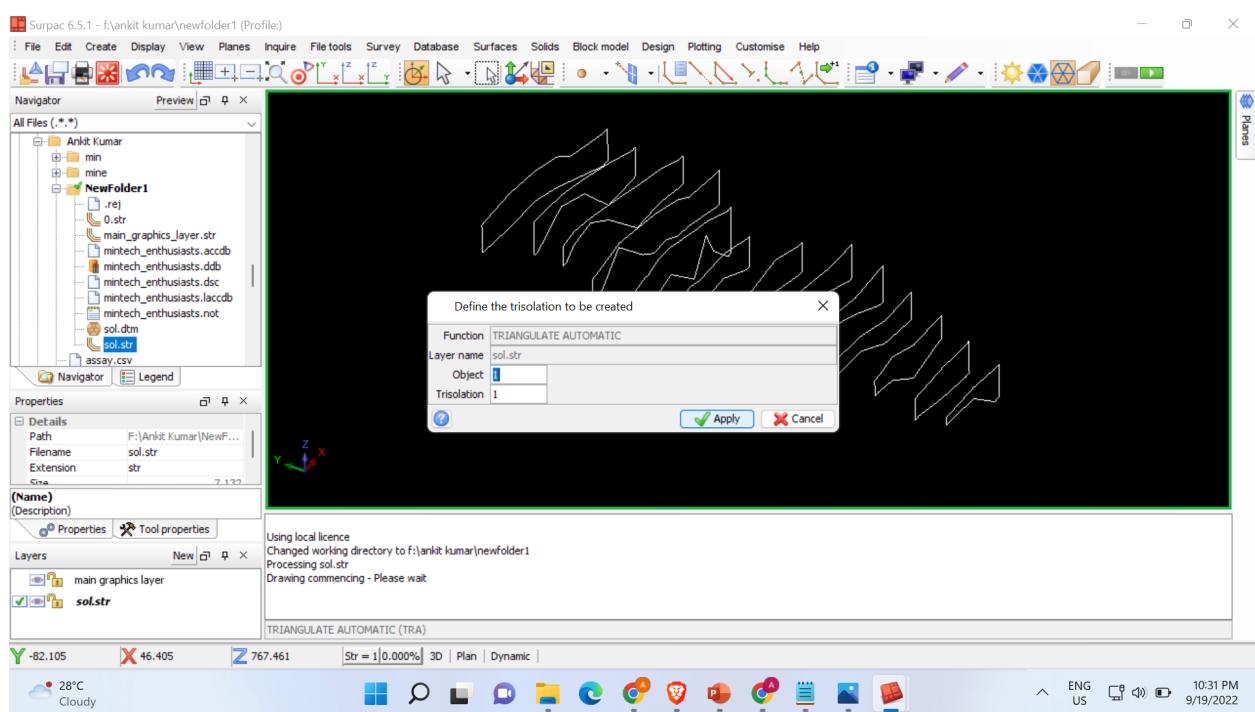
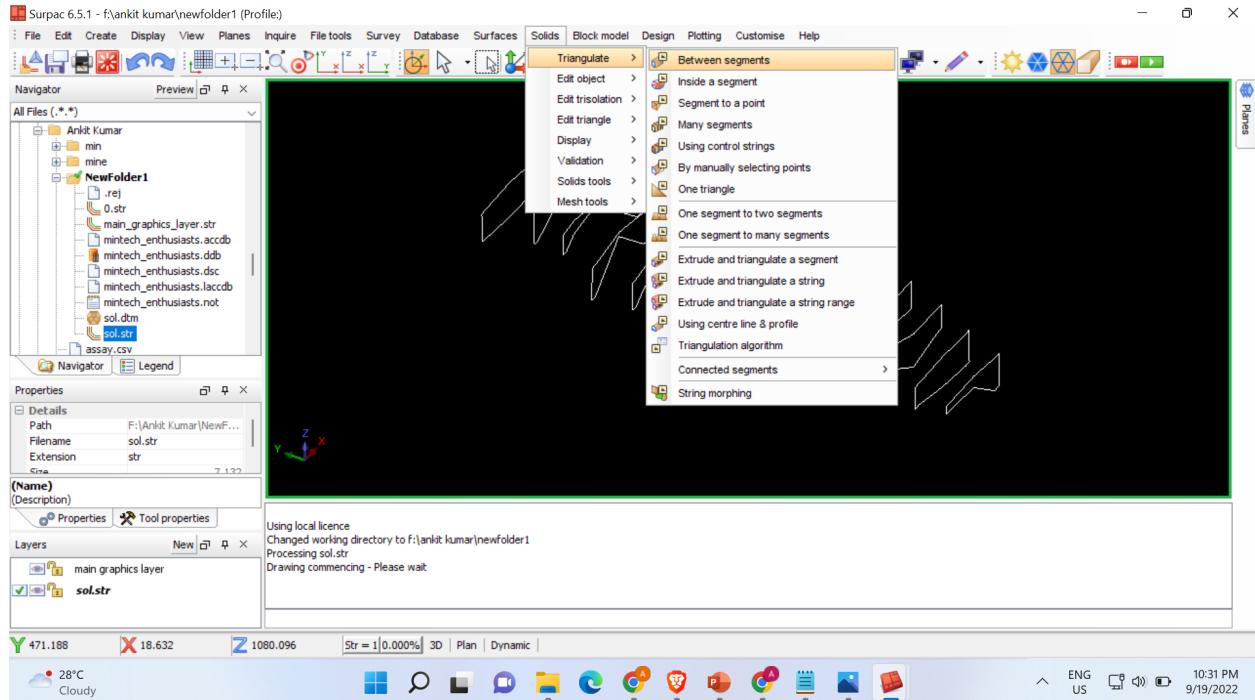
5) After all the sections are done digitizing, click on End Section Mode

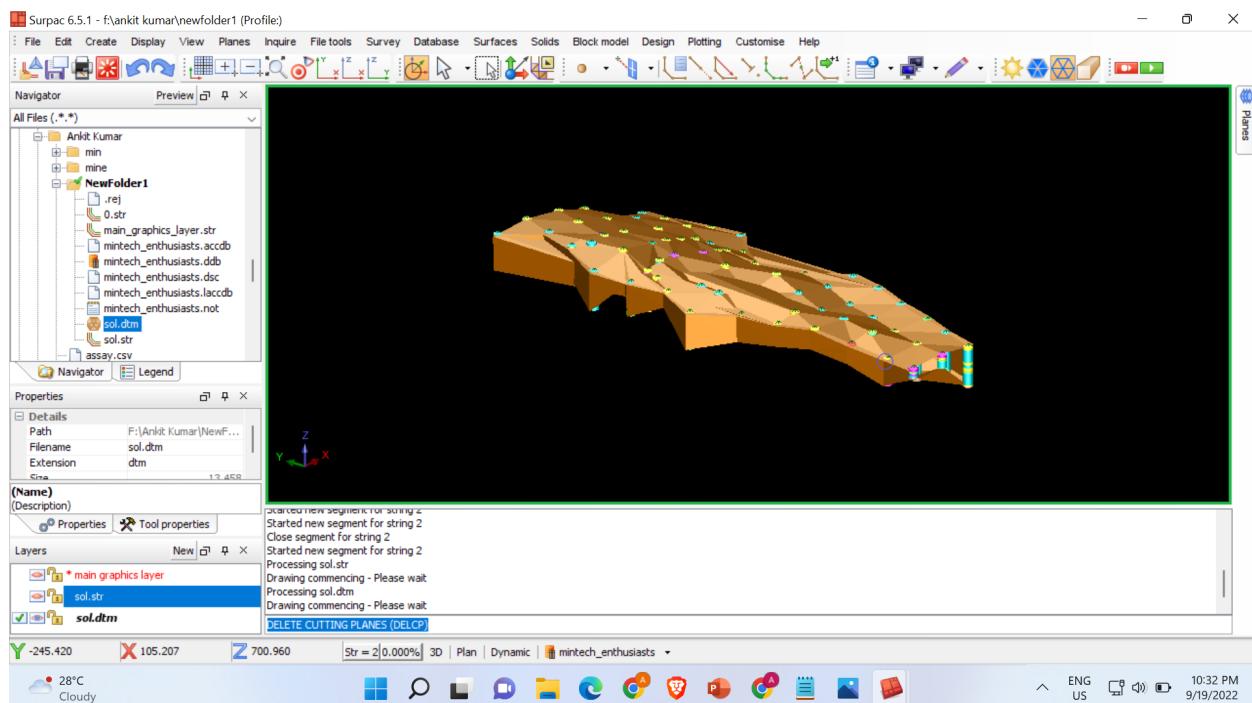
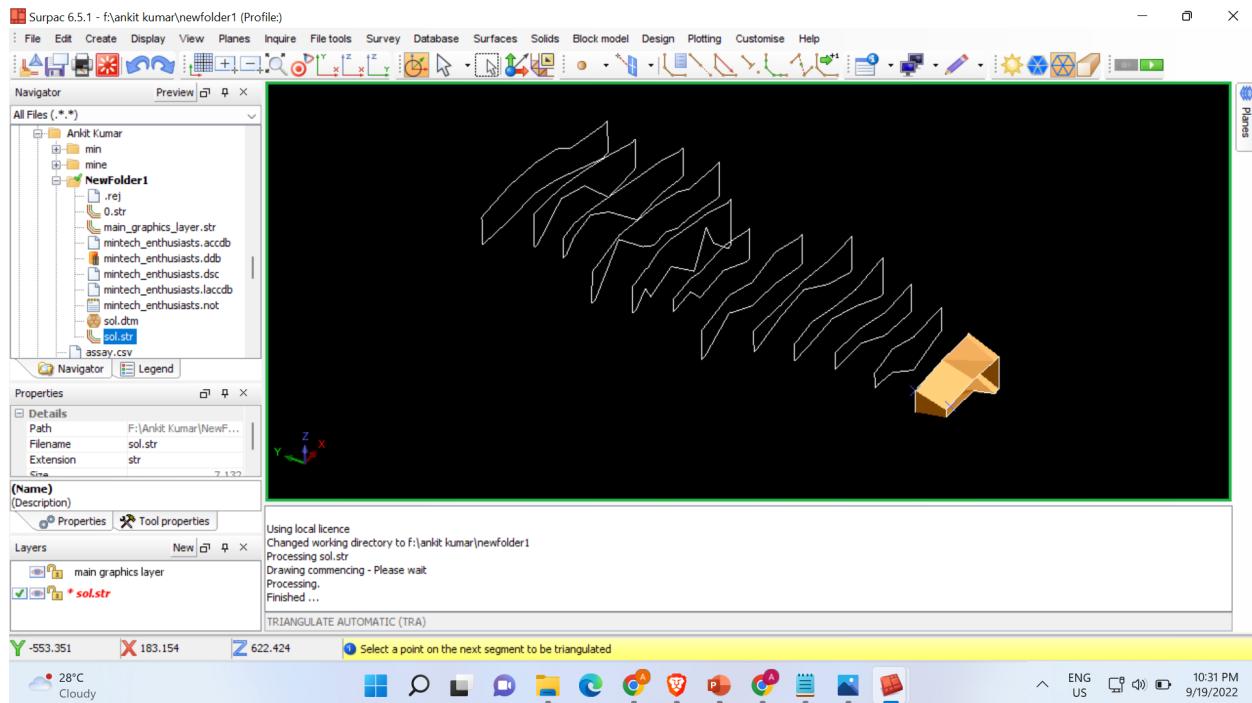


The Sectioning is done successfully.

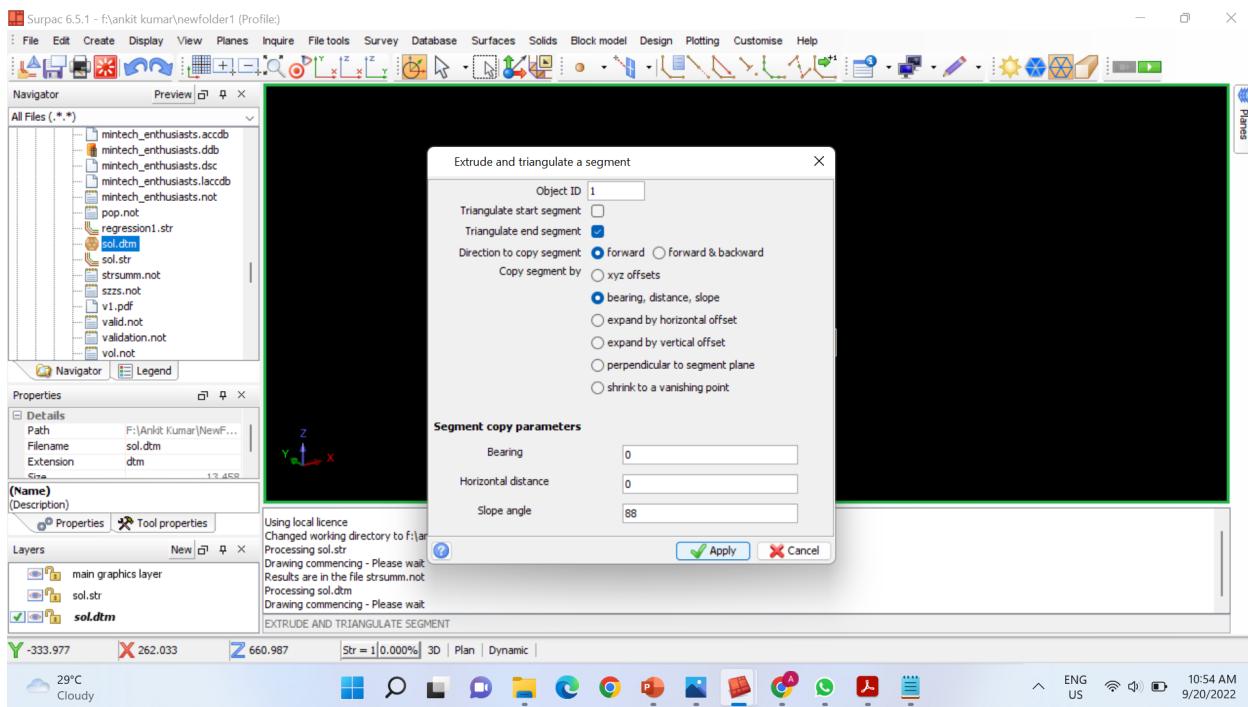
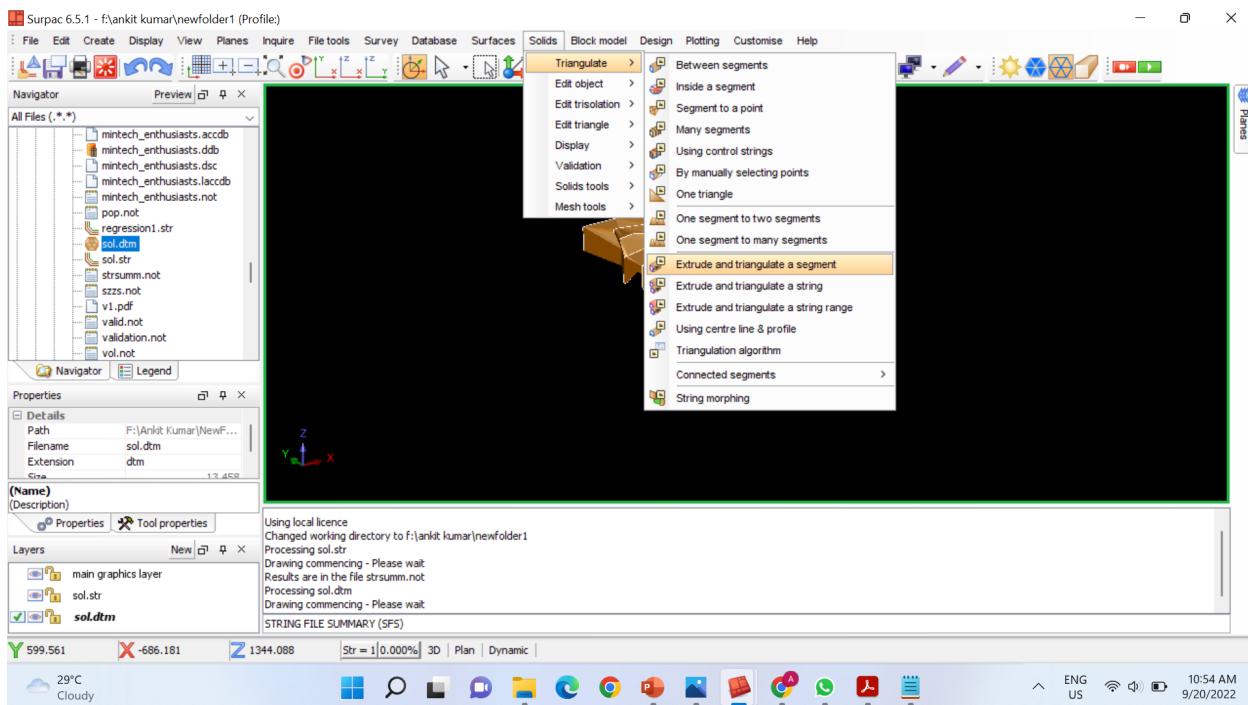


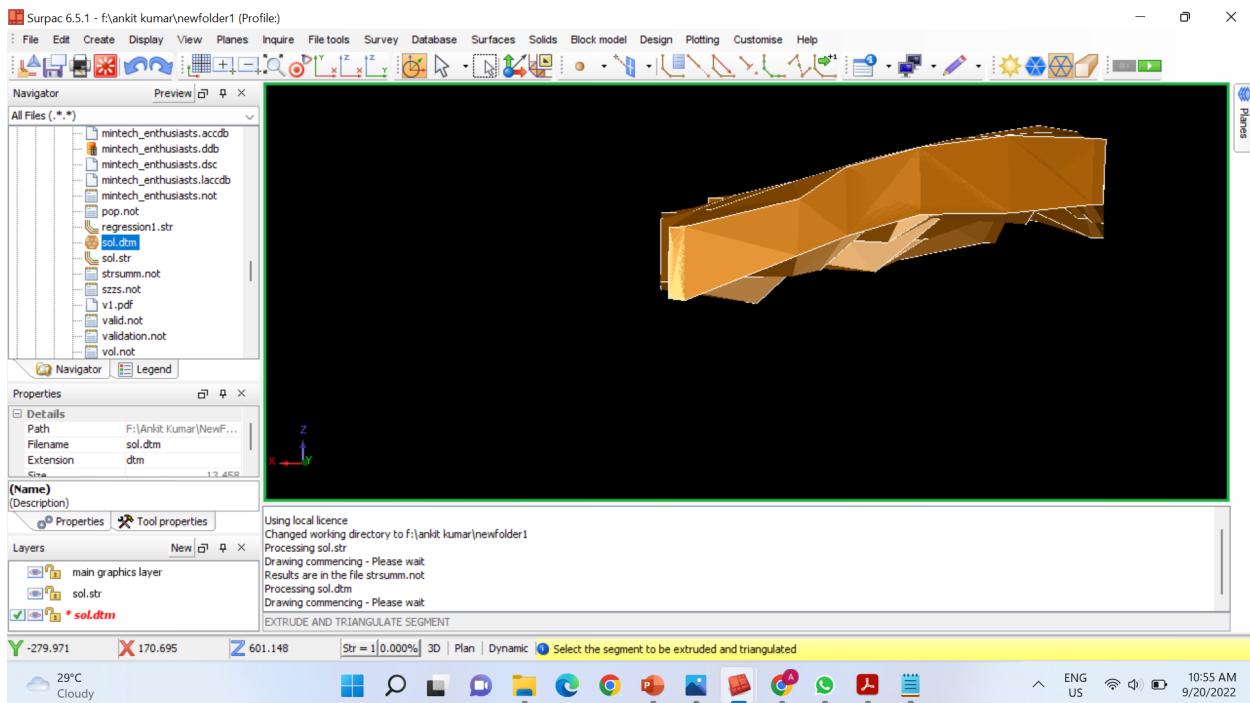
6) Clean the strings and create DTM of the complete section



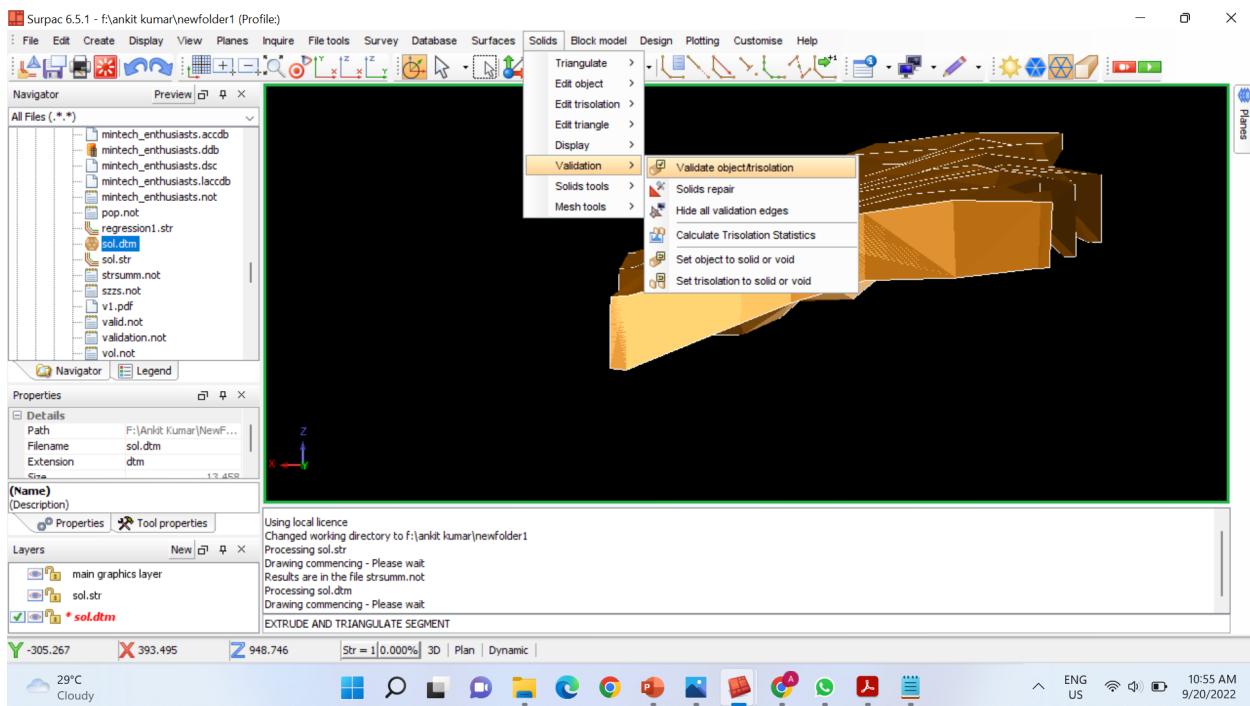


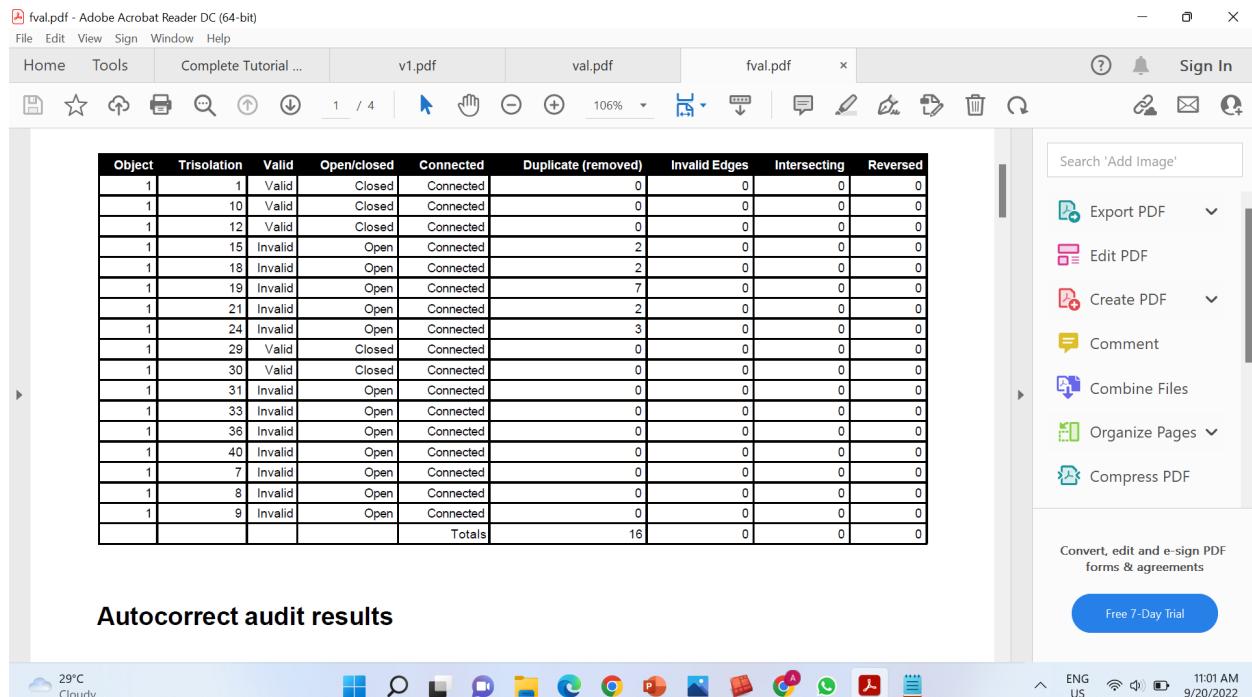
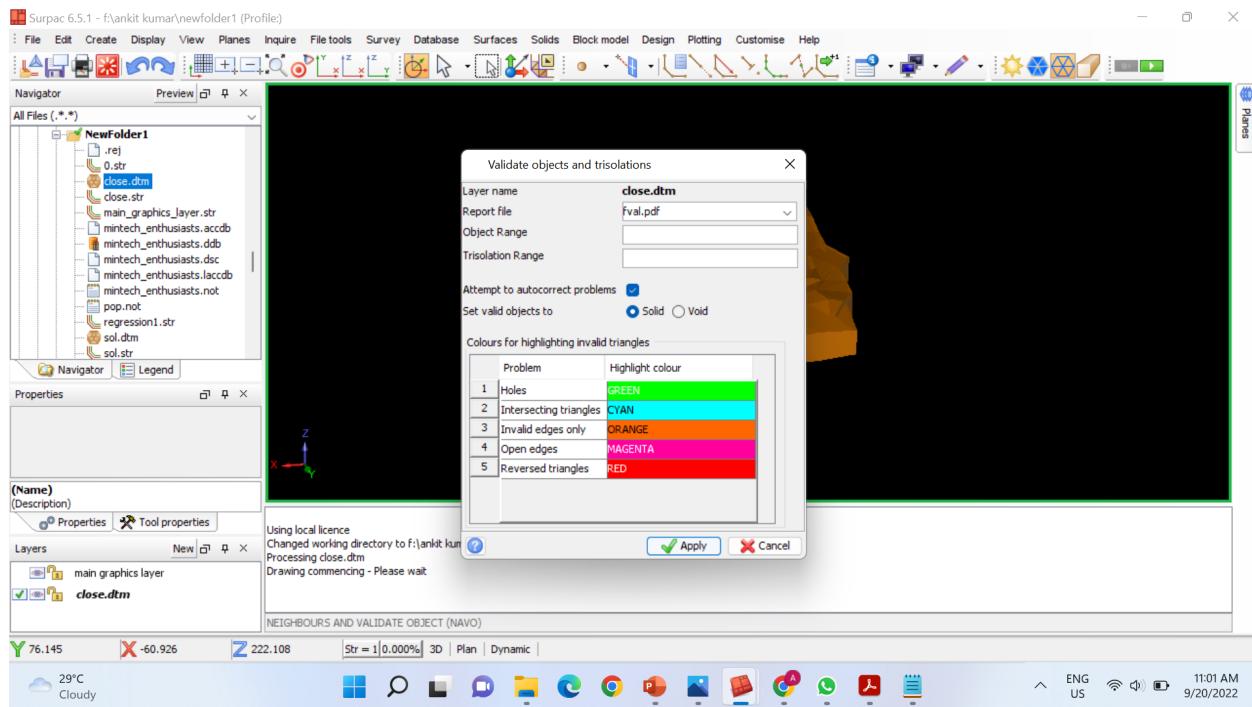
7) To Close the DTM

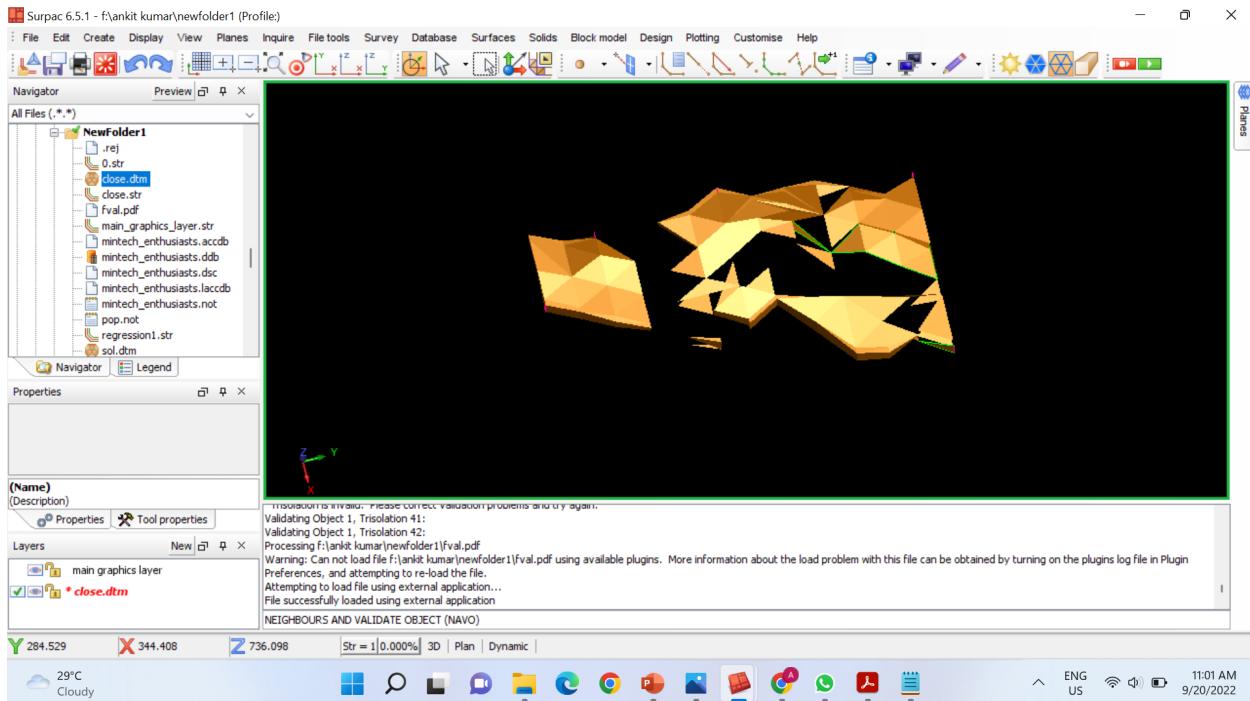




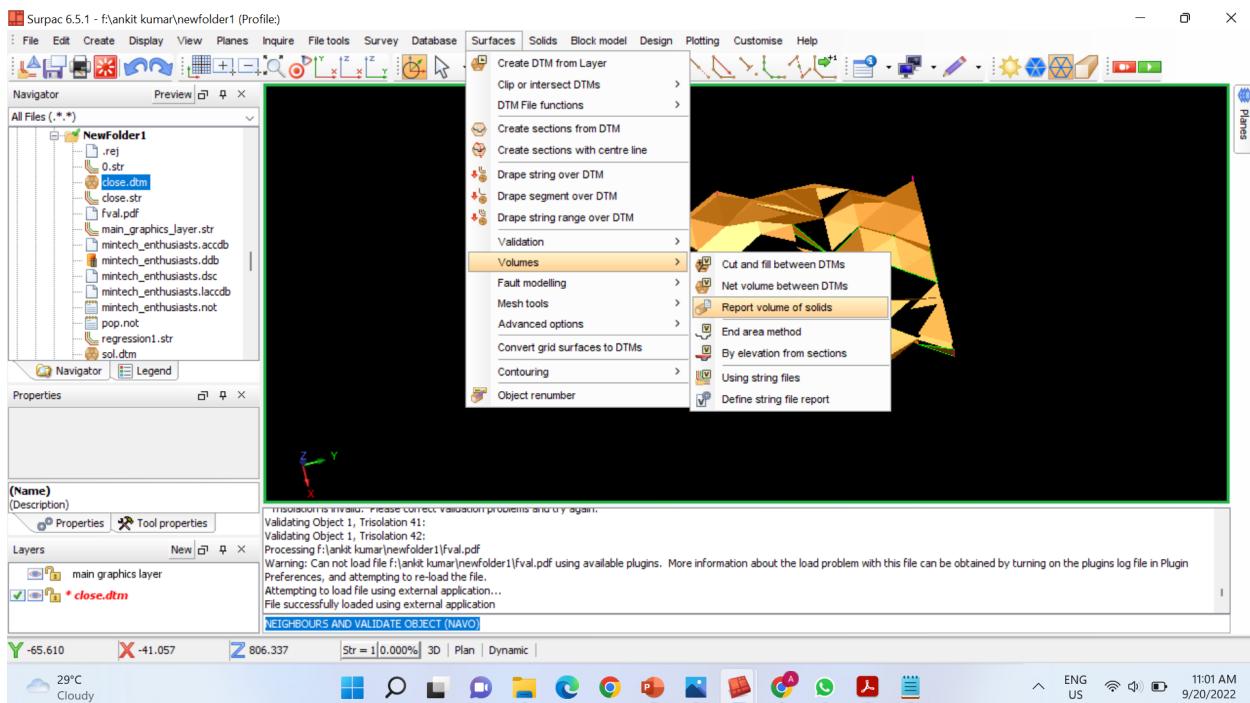
8) To Validate the DTM







8) To Calculate the volume of DTM



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fvol1.not - Notepad
File Edit View
Object: 1
Trisolation: 36
Validated = true
Status = open

Trisolation Extents
X Minimum: -89.359 X Maximum: 19.579
Y Minimum: -800.000 Y Maximum: -800.000
Z Minimum: 768.608 Z Maximum: 858.763
Surface area: 815

Object: 1
Trisolation: 40
Validated = true
Status = open

Trisolation Extents
X Minimum: 261.793 X Maximum: 421.099
Y Minimum: 400.000 Y Maximum: 400.000
Z Minimum: 651.025 Z Maximum: 740.825
Surface area: 880

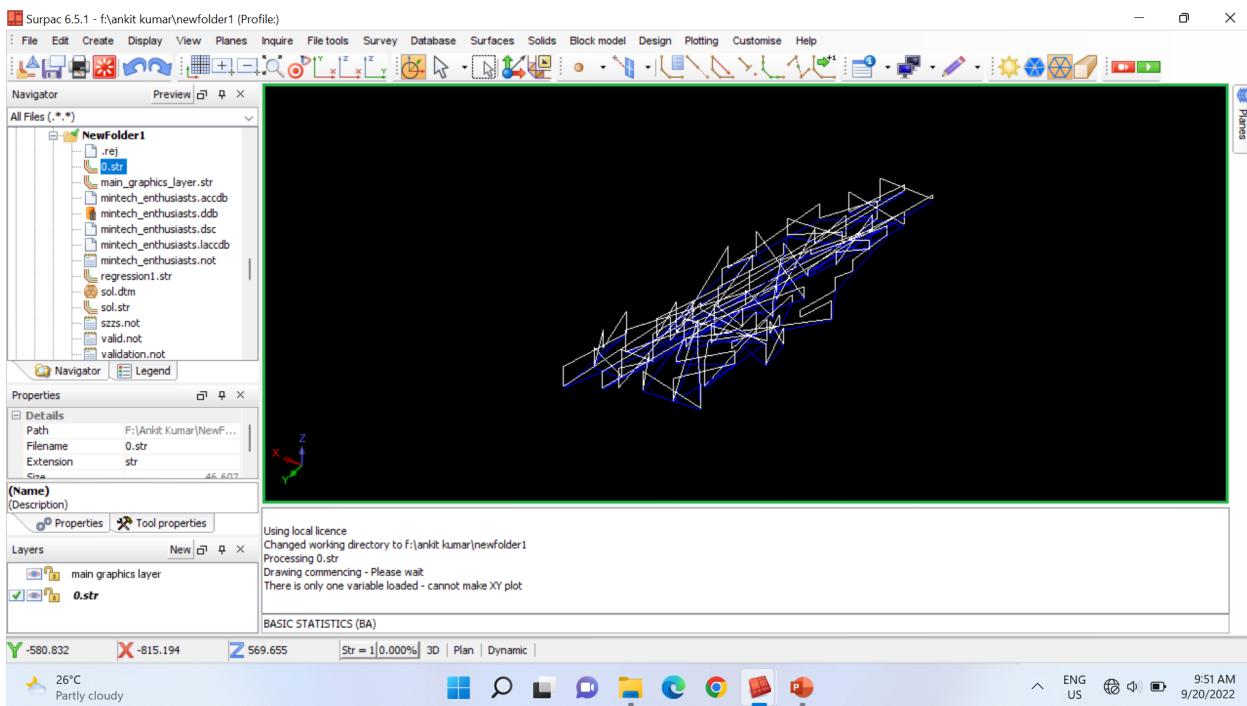
Totals - Object: 1
Surface area: 810207
Volume : 10808547

Totals
Surface area: 810207
Volume : 10808547

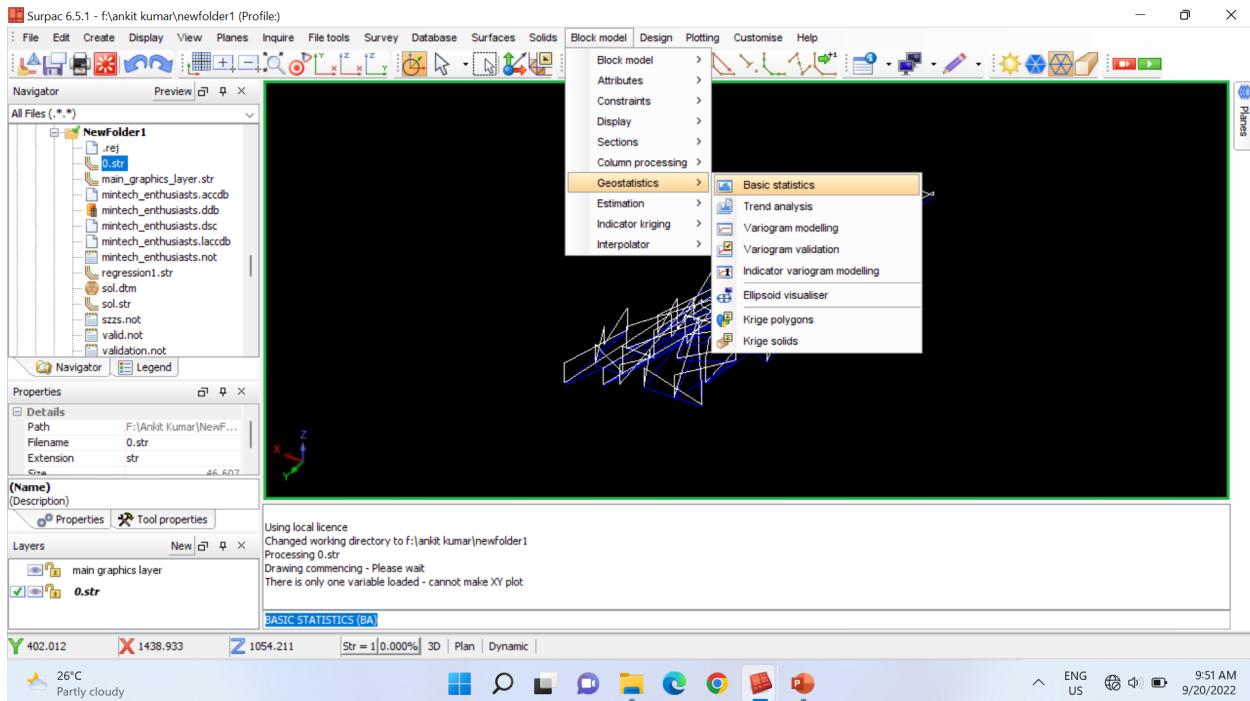
Ln 1, Col 1
Windows (CRLF) | 100% | UTF-8
29°C Cloudy | ENG US | 11:01 AM | 9/20/2022

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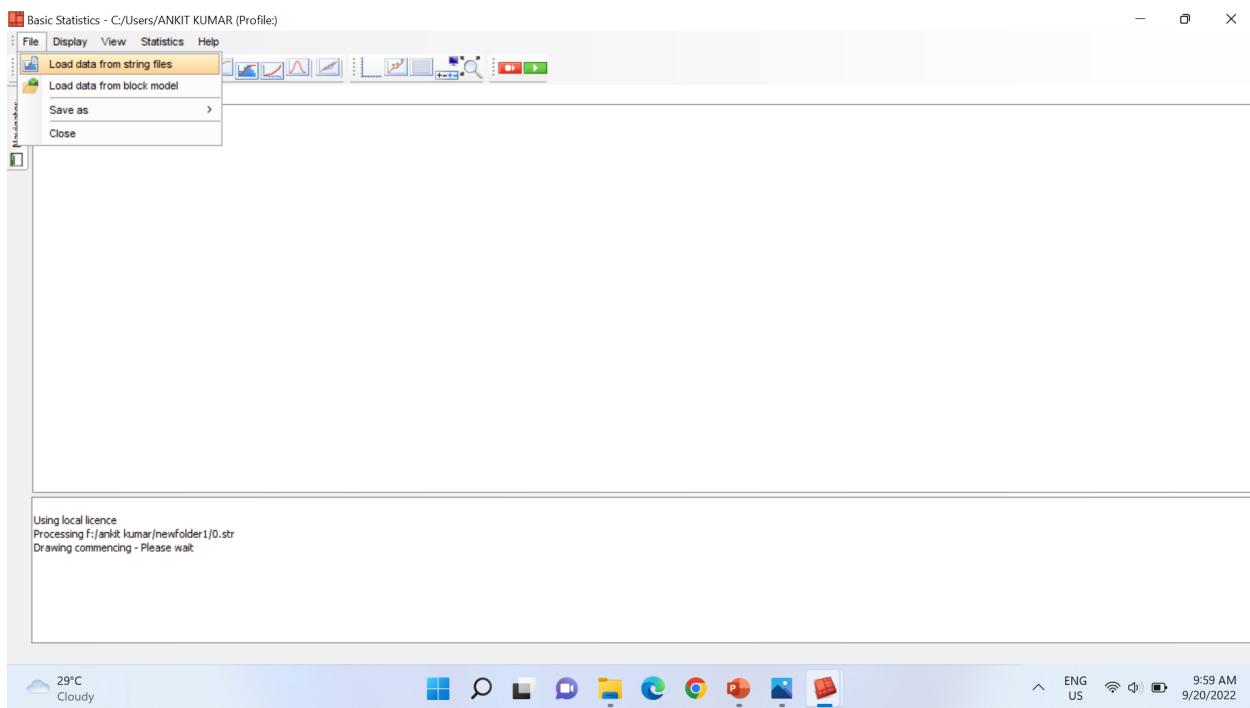
GEOSTATISTICS

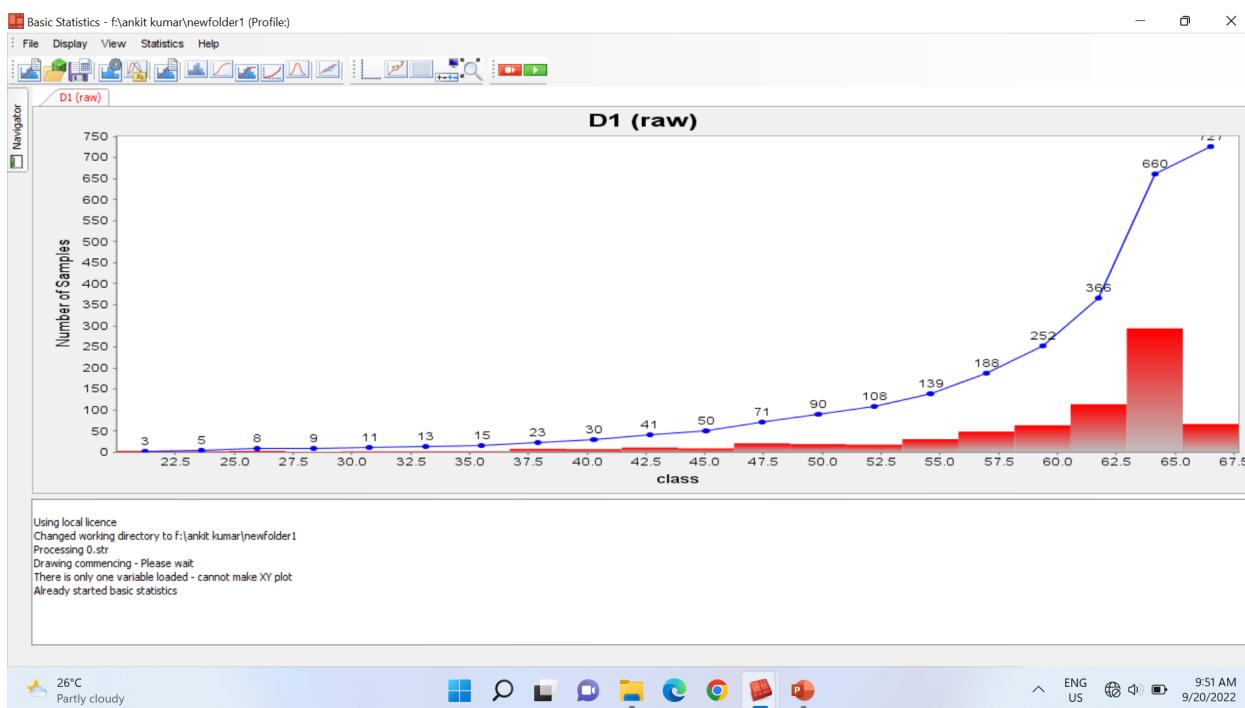
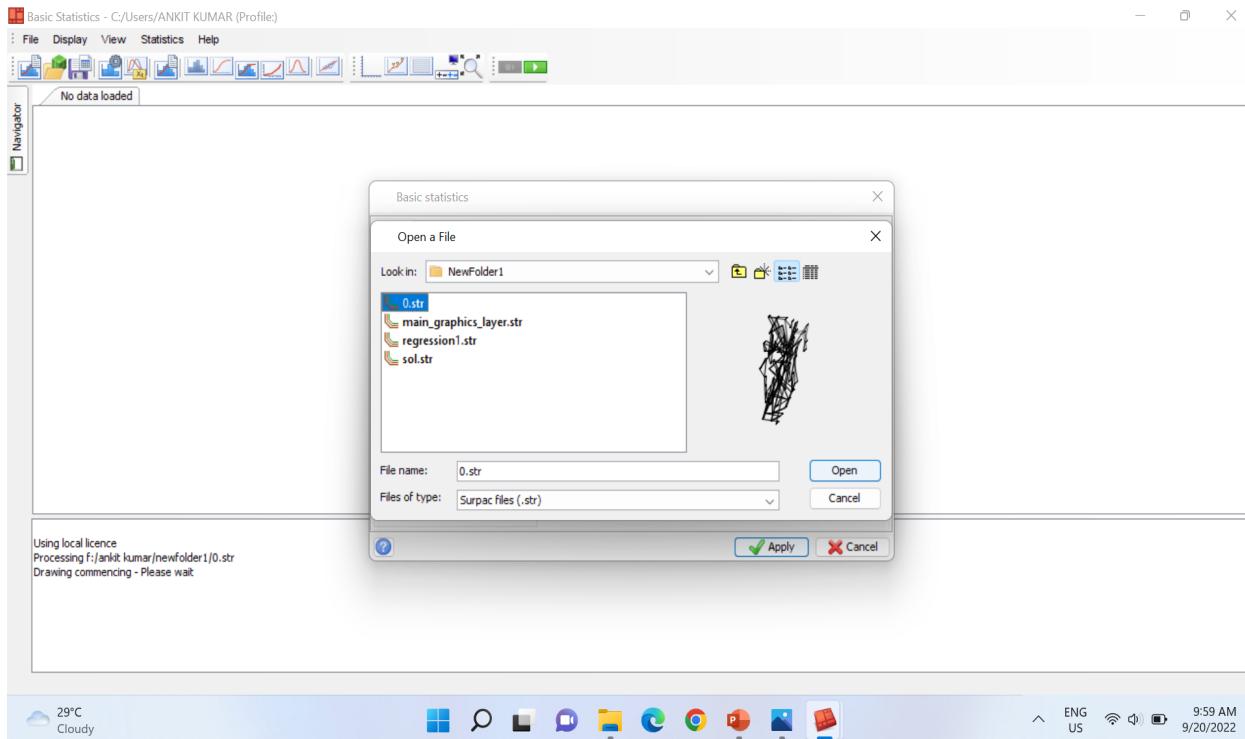


1) Block Model > Geostatistics > Basic statistics

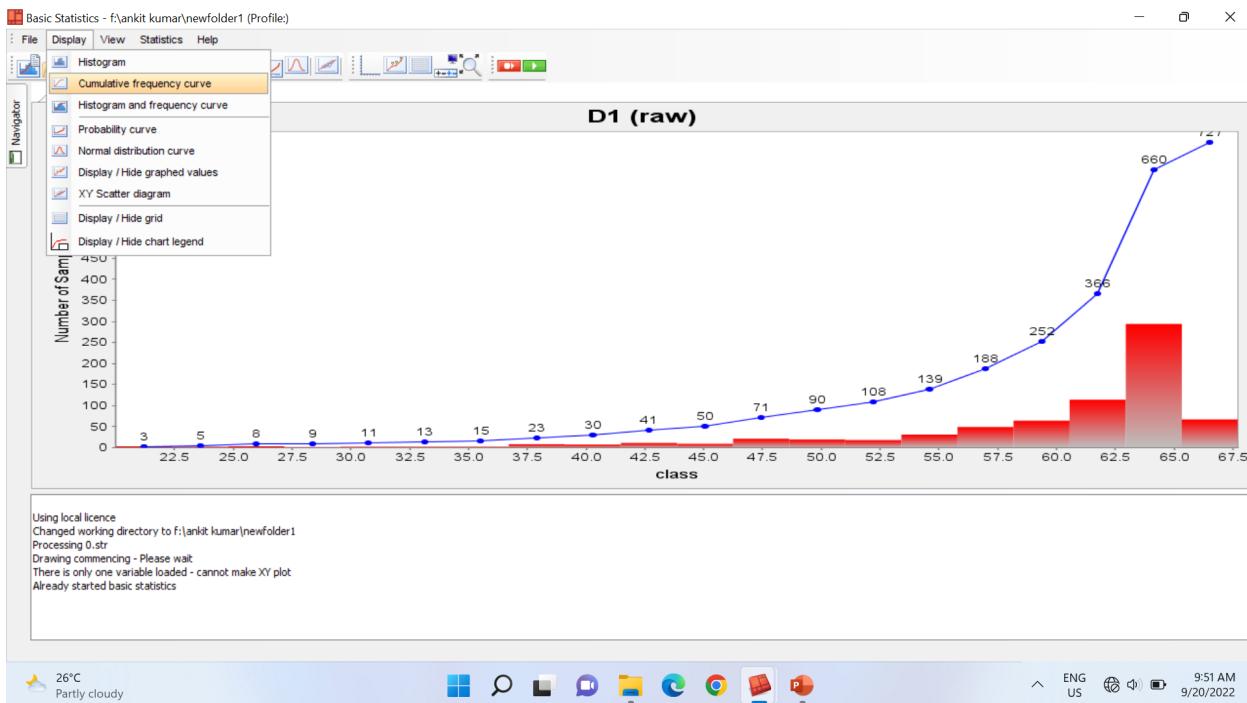


2) Load data from sting files

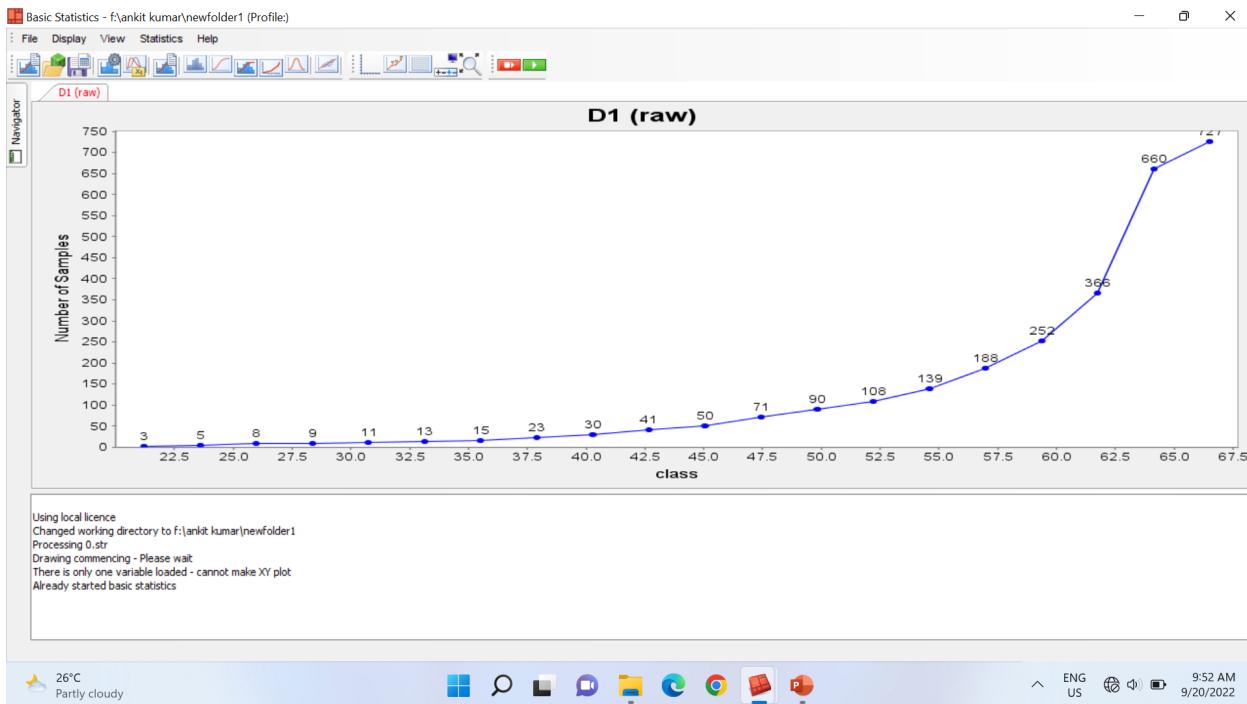




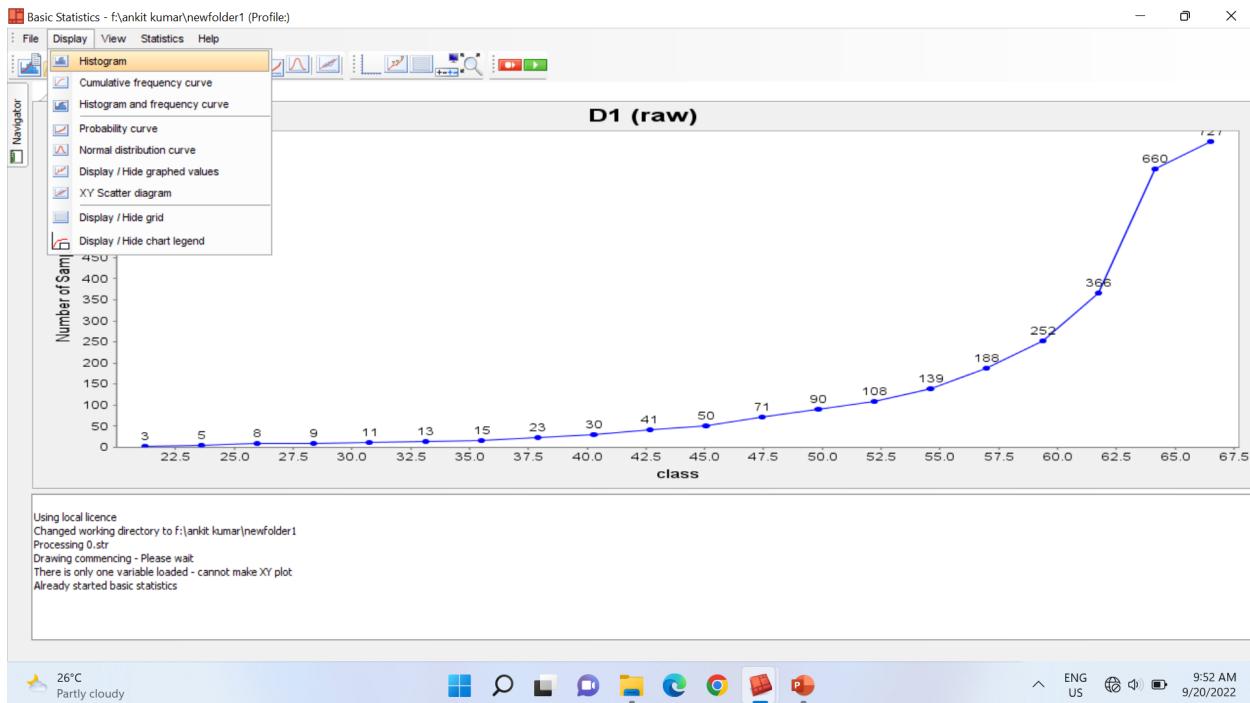
3) Display > Cumulative frequency curve



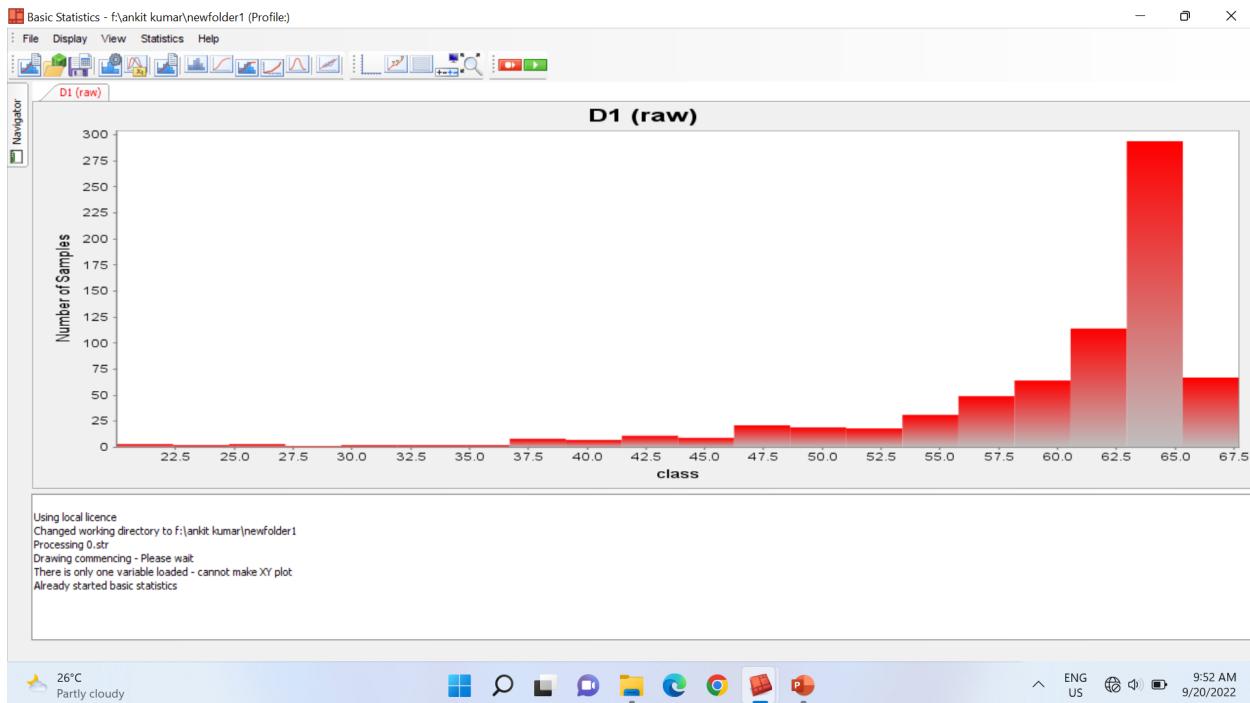
4) Cumulative frequency curve



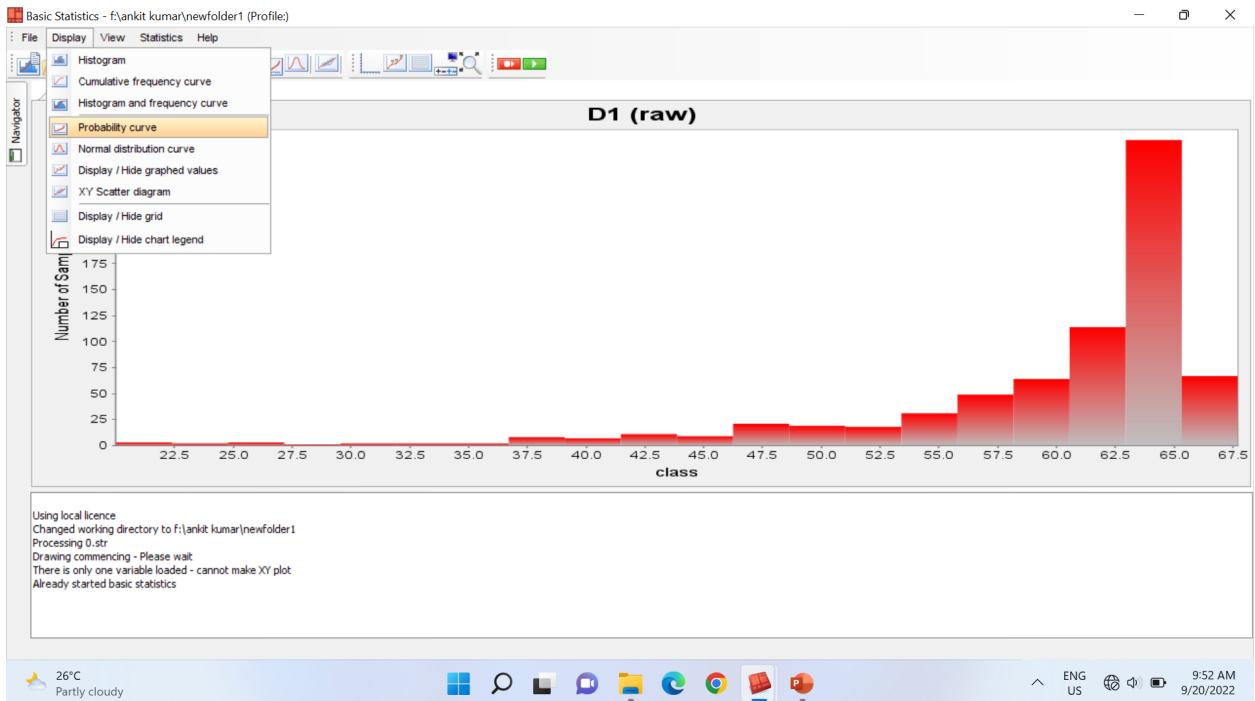
4) Display > Histogram



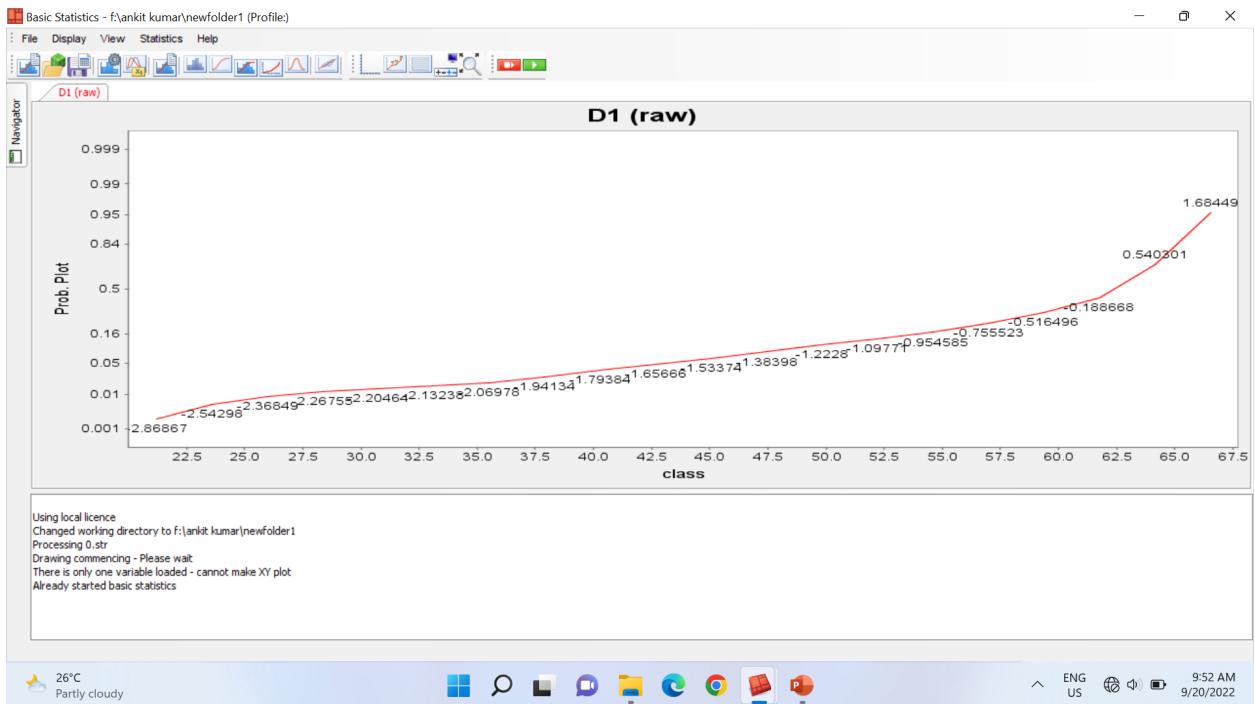
5) Histogram



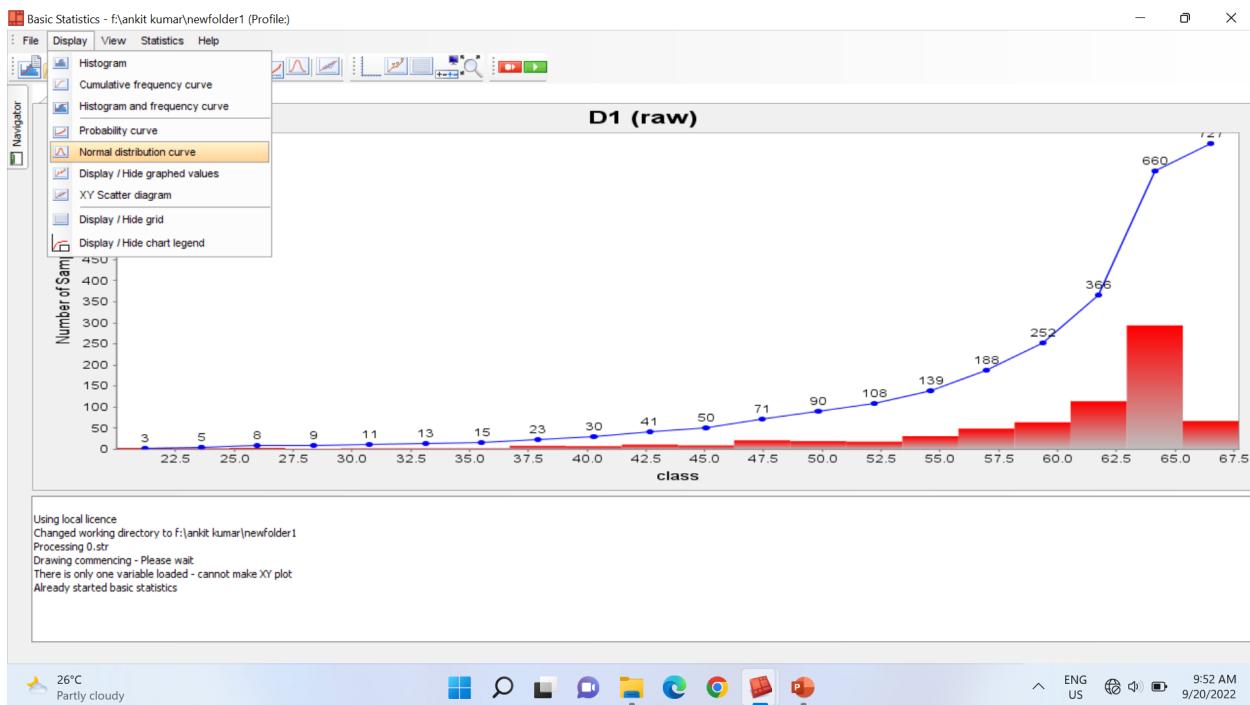
6) Display > Probability curve



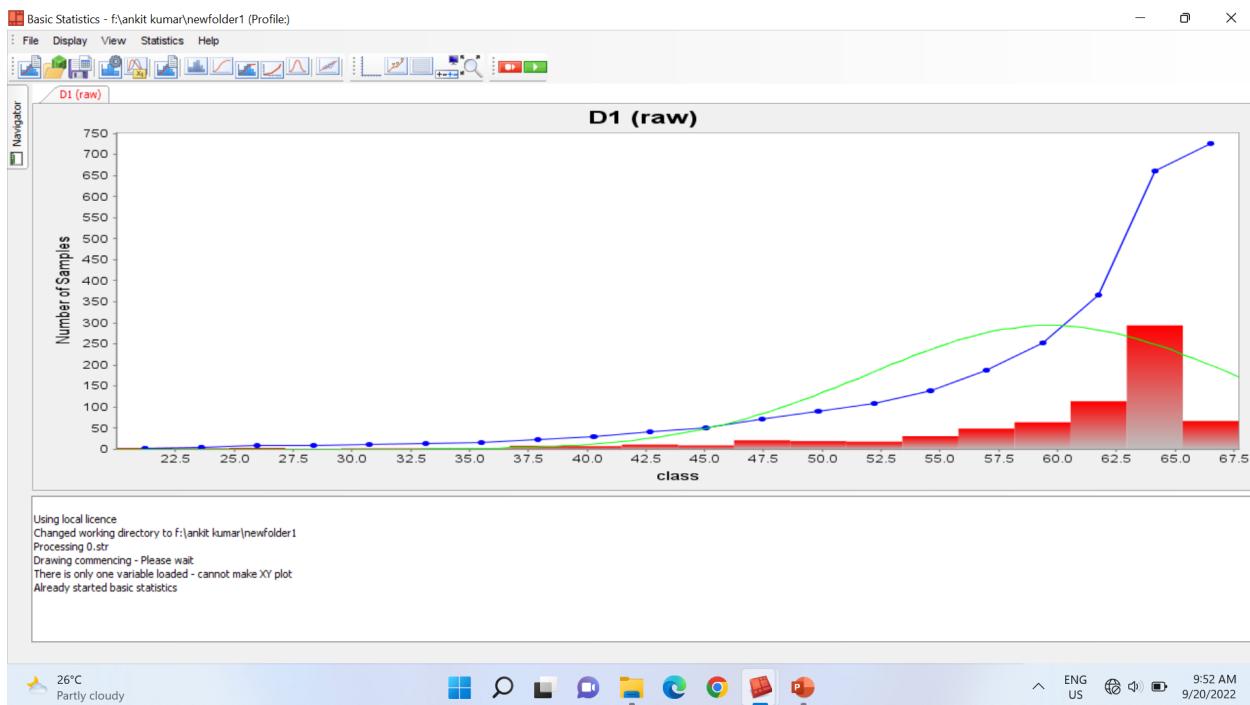
7) Probability curve



8) Display > Normal distribution curve



9) Normal distribution curve



10) We can also change Histogram classes

Statistics > Histogram classes

