## \* Assignment - 5

Title - Bereir Curve

Am: - write act program to draw any object or wave using Bereir curve generation technique.

Pre requisites :-

D'Basic programming skill of CH D 64 bit open source dim. linux. D open source CH programming tool like CH

learning objectives; To learn Berier Curve techniques

Theory: - Open Graphics libratory in cross language BD vettor Graphics ( use of polygon to represent image). open at is a low loud, widely
Sypposted modeling and sendering software
package available across all platform. It
can be used in a range of graphic
applications such as games, can design
of modeling, open but. APT is designed
mostly in hardware.

Berier Curves!
It is one of the parametric Lurvey

most frequently used in computer Graphics

and were independently developed for

computer assisted (ar design by two engineer

both working for french, automobile (ompany

and paulde Costell who was engineer

hor citoren:

properties of Bereier Curves.

O A very important property of Bersier Curve
is that they always pass through the first
and last control points.

Of the degree of polynomial defining the curve segment is always on loss than the number of defining polygon points, so far example, if we defining polygon.

Points, so far example if we have 4 control points, then the degree of polynomial is 3. 1.e cubic polynomial.

B) In Bezier curve, moving a control points after the shap of whole curve.

a Berier curve generally follows the shap of the defining polygon.

of controll points.

implemented the concept of open och and Bezier curve technology.