mini project
Title: Solar system in Opengl
Objective:
· To understand various computer graphics
· To implement the & understand the function of Openal.
5/w & h/w yed =
Openal
Thoofy =
Opengl:
It is cross platform API for writing application that produce 2D & 3D
application that produce 2D & 3D
computer graphics.
Solar system:
The solar system consists of sun & th
astronomical abjects hased to it by
astronomical objects based to it by gravity, all of which farmed from the
gravity, and of some

collasper of grant molecular cloud. Those are 8 planets that revolve around the sun i.e. marcury, Venus, earth, mars. jupiter. saturn, Uranus (	
Neptype	
This project is to implement such a solar system	
This project is to implement such a solute system using graphical compounts like openful.	<u> </u>
Function used:	
i) gl(leof(dor()  It is word to make window on screen solid  white (to clear screen)	2
ii) g shadoModel()  The enable smooth shading we must -  set shadow of follows:  g shadoModel(GL-SMOOTH)	
1) 9/ Enable()	=
The depth buffer must be cleared who	hev(
The depth buffer must be cleared who we redraw the display.	
•	
) gllight()	
It is used to enable light source.	

Page:

v) gl(olor Material):  It is used to change a single material property.
vi) myinit():  Jnitialize the color buffee, set the points  size & set window (o-ordinate value).
vii) display():-  (reate & translate all abjects in-specified  [vocation in particular order.
viii) glut Post Redisplay ():  Jt ensurer that display will be drawn only once each time program goer through
keyboard based interfaces:
1.) The keys miniex, j, siu, n are used to rotal planet. 2) The keys M. VIE, R. J. S. VINI are used to a
2) The keys M. VIE, R. J. S. VI MI OFT WHO TO THE The planet ground sun.  2) The keys M. VIE, R. J. S. VI M. Brives both relation
the planet around sun.  3.) The key 2 rotates sun. Baives both retation revolution of planet around the rotating cancel revolution of state twinkle.
cancel revolution & state committee.

revolves all planels

The key B will make the star twinkle. Left maye button: Rature anticlockwise.

Right mouse button: Rulyte clockwide

## Conclusion:

are acts In this project, sun planet 399 10 use commande. This project implemented with various Con component like Opengl.