

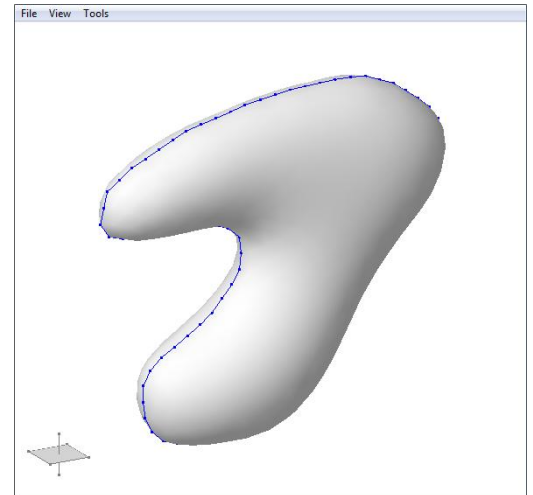
Designing Freeform Models with 3D Curves

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INTRODUCTION

In our Final Year Project, we implemented an efficient and easy 3D modeling system. Unlike ordinary 3D modeling systems, it is a sketch-based system, which allows the users to draw a 3D model as easily as they can on 2D canvas.



FUNCTIONALITY

Surface Construction

Adding & Erasing Control Curves

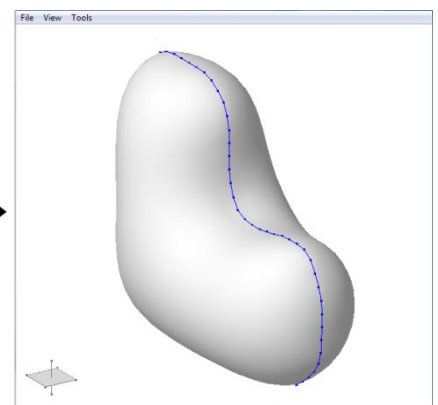
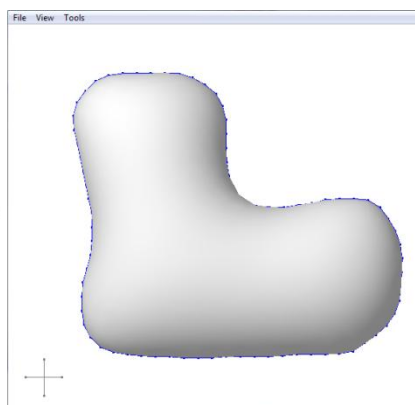
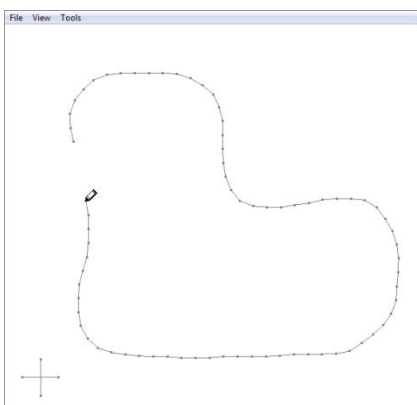
Dragging

Cutting

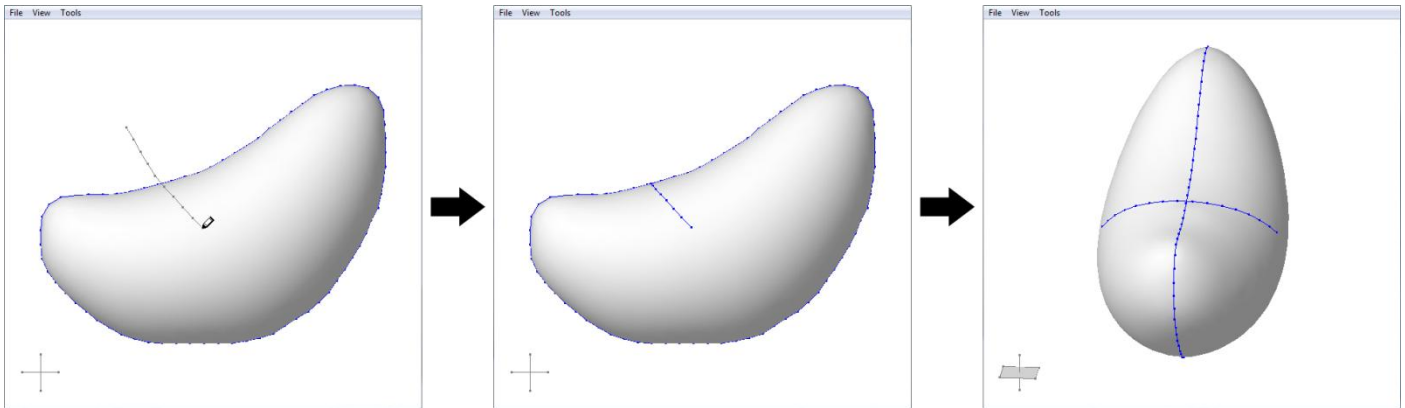
Extrusion

Curve Type Changing

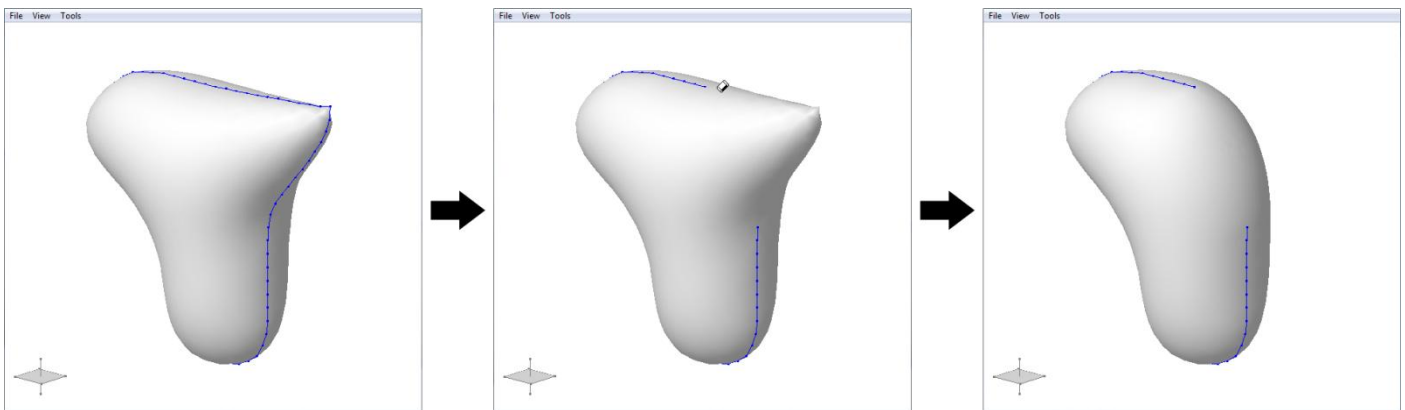
SURFACE CONSTRUCTION



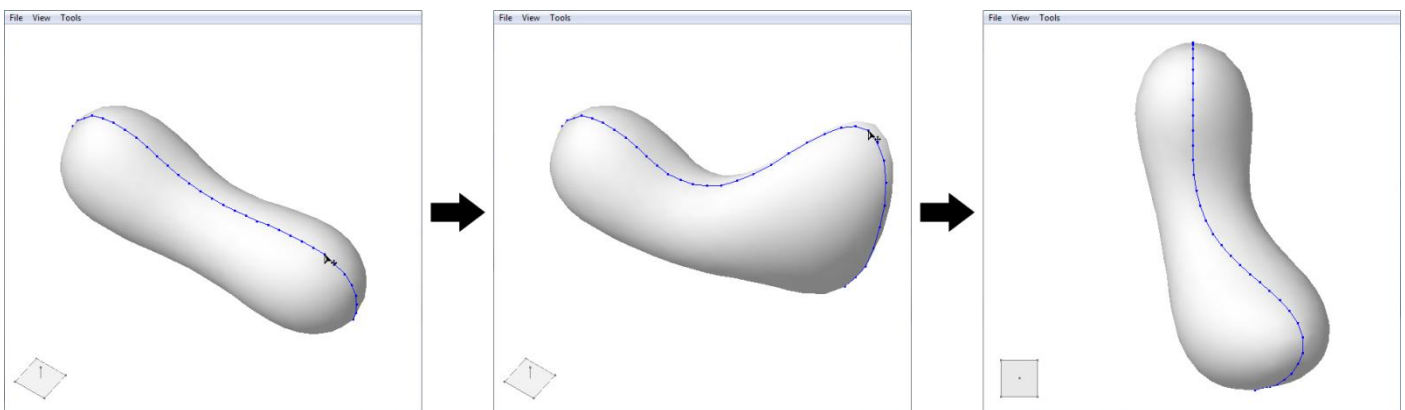
ADDING CONTROL CURVES



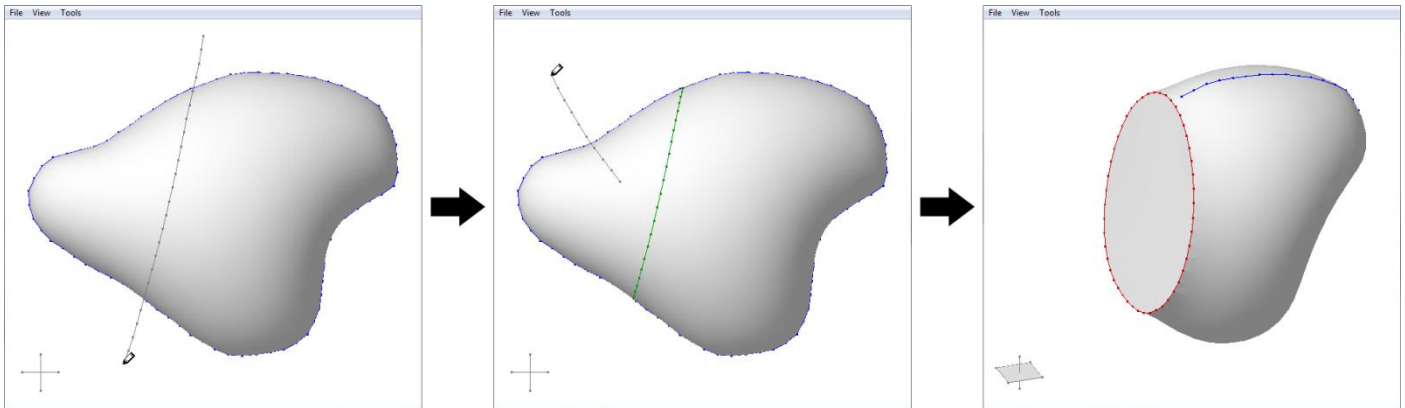
ERASING CONTROL CURVES



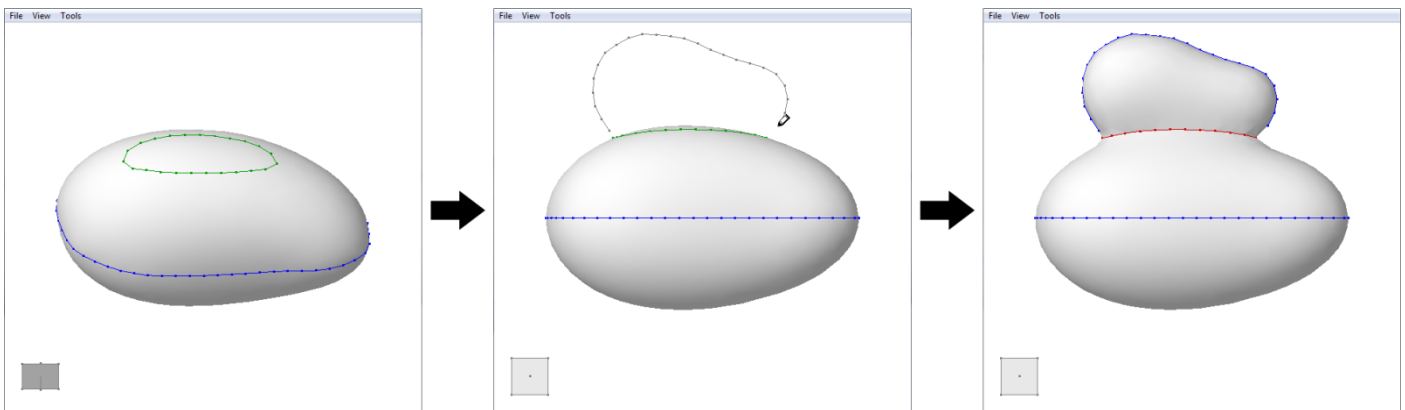
DRAGGING



CUTTING



EXTRUSION



CURVE TYPE CHANGING

