Introduction to Mechanical Engineering, CAD Details 1

Solid modeling

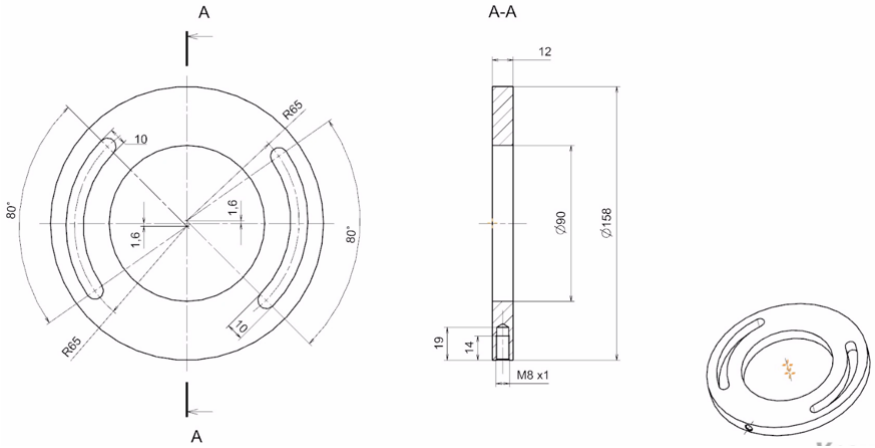
Innopolis University

Lab Goals

To obtain the needed tools for solving the design part of the competition

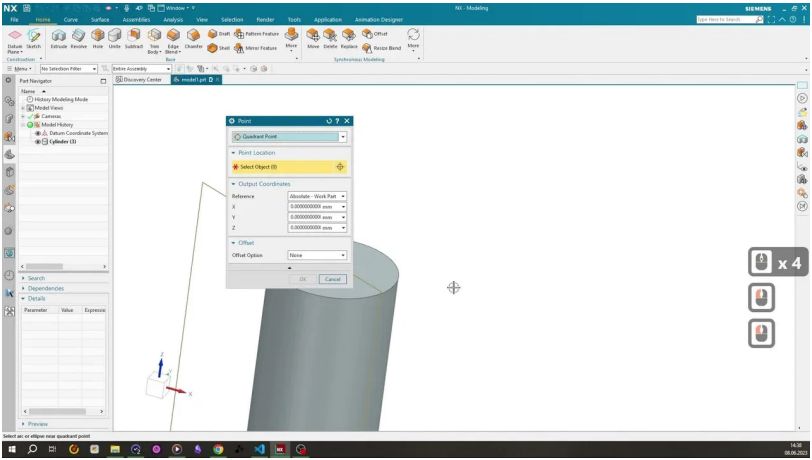
Basics

Video: Repeat the same by yourself

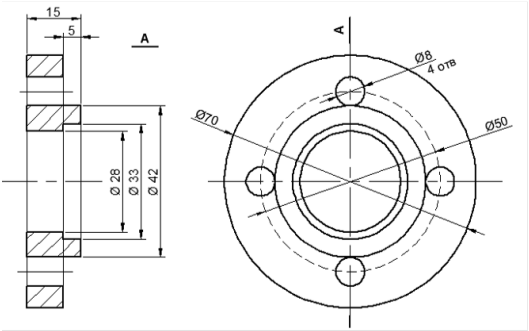


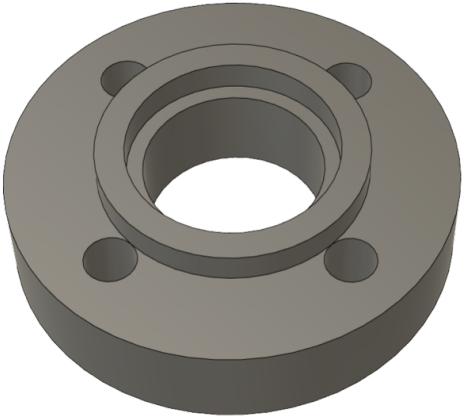
Filtering, Datum Plane

Video



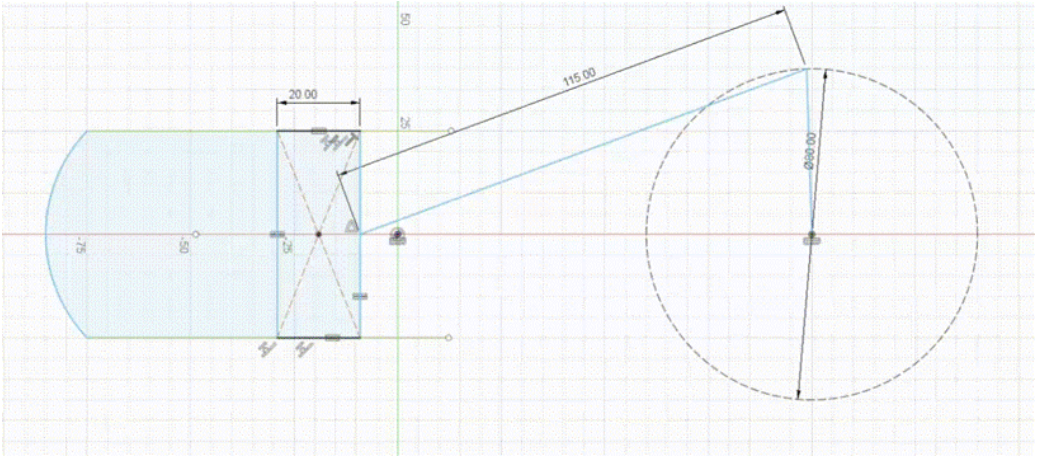
Task 1: Make CAD model of detail below



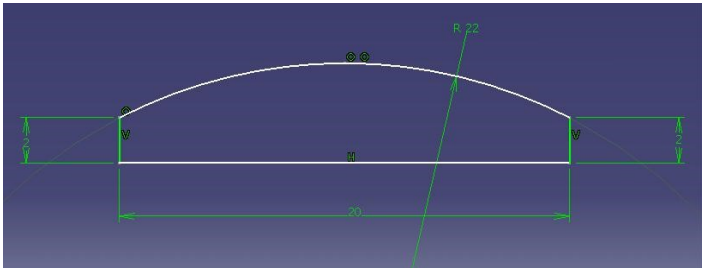


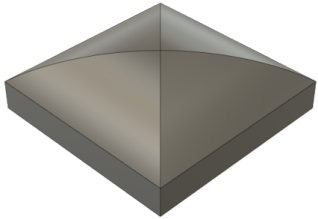
Task 2: Make an animated sketch

Video (repeat the figure, not video)



Task 3: Make CAD model of the detail below





Hint: It can be solved making 2 equal sketches perpendicular to each other, extruding them and using “combine” command.

Deserve “A” grade!

– Oleg Bulichev

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Room 105 (Underground robotics lab)