Robot Layout Designed for 3D Printer

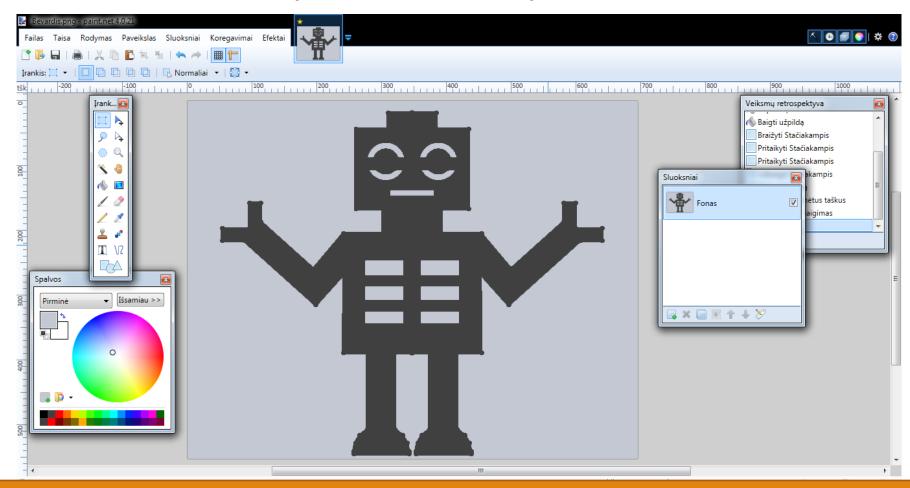
SIMONAS BOČKUS, MATAS JUŠKEVIČIUS 5TH GRADE

ICT teacher Raminta Birgėlienė Gargždai "Minijos" progymnasium

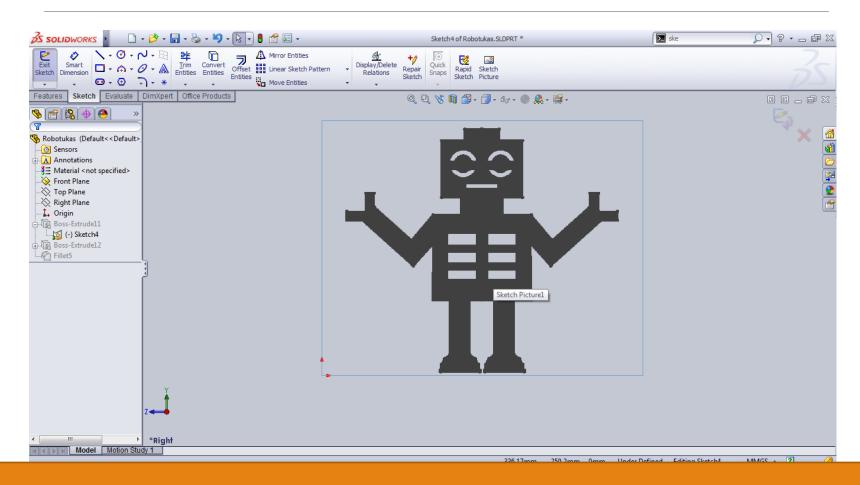
Introducing the stages of developing a Robot using software and development tools:

- I. A 2D Robot drawing is created (Paint.net)
- II. A 3D Robot model is made (SolidWorks)
- III. Laminated 3D Robot Model (Cura)

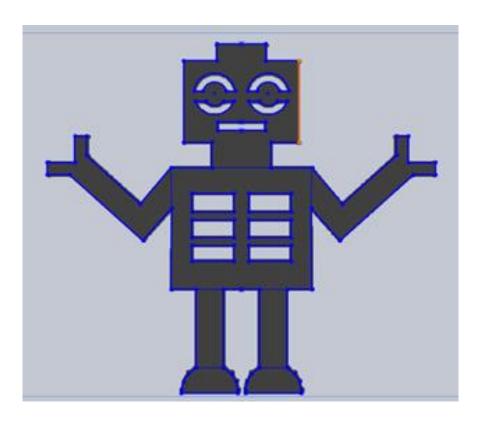
I. A 2D Robot drawing is created. (Paint.net)

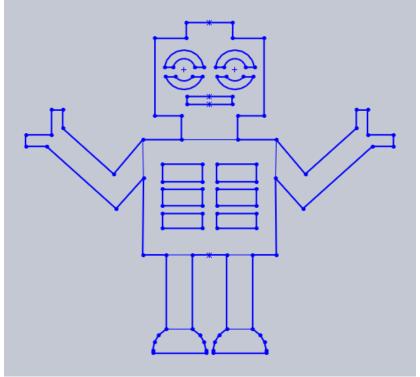


II. A 3D Robot model is drawn . (Solid Works). First I got a picture

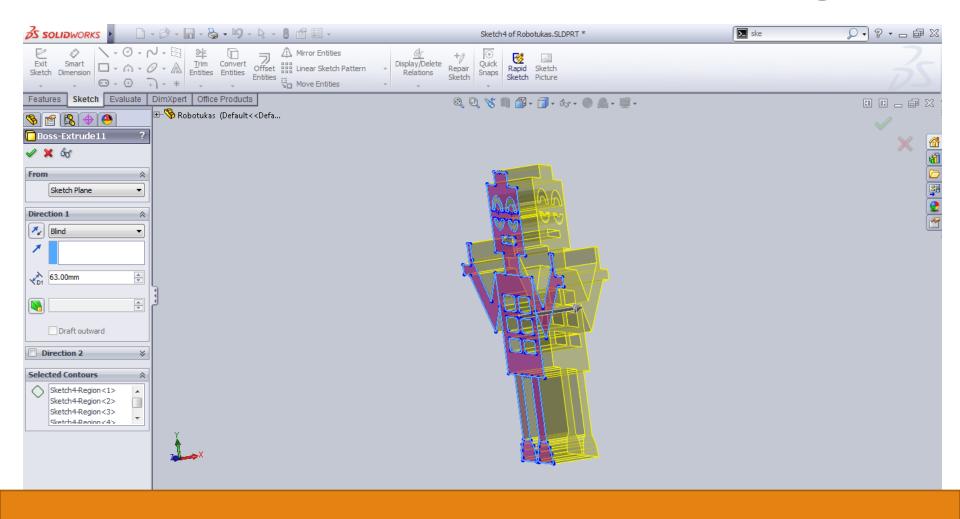


Then I outlined it and deleted it

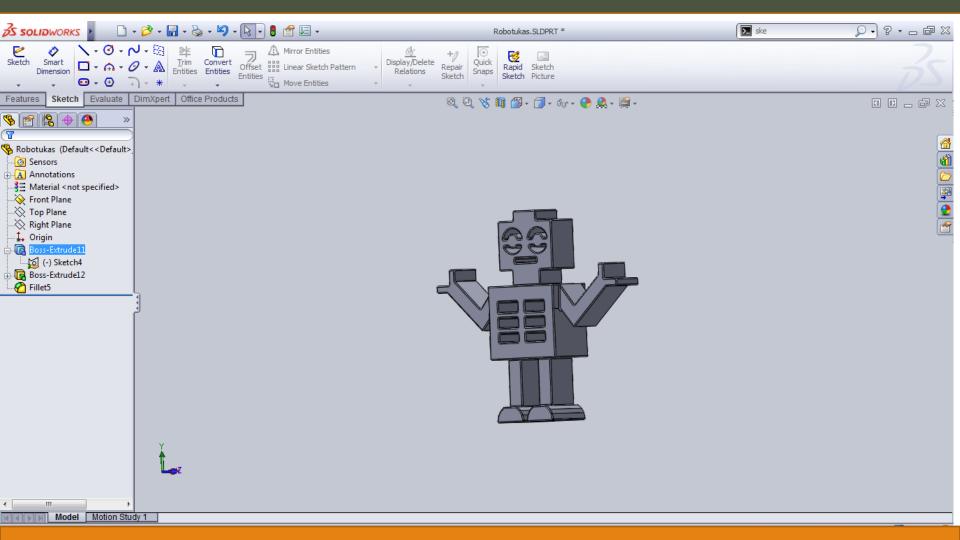




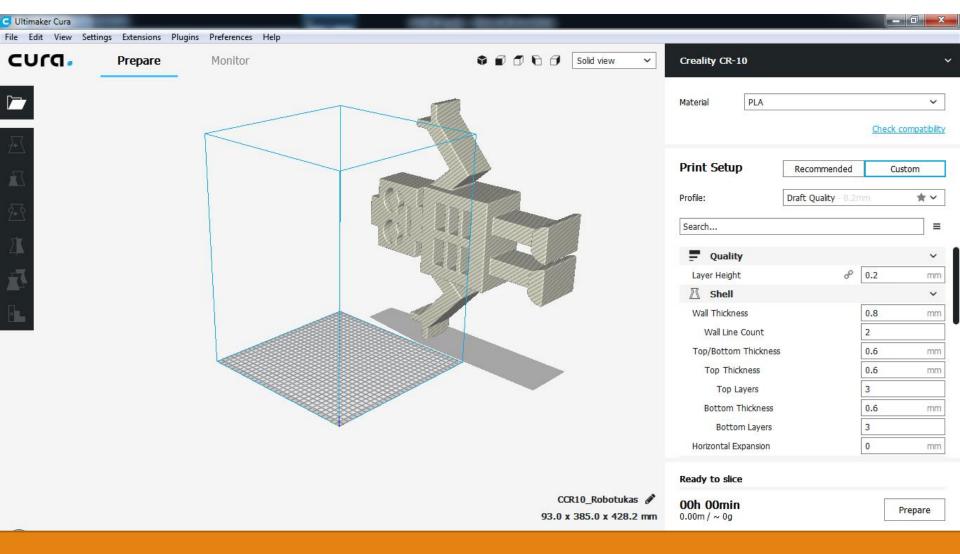
Then I extruded the drawing



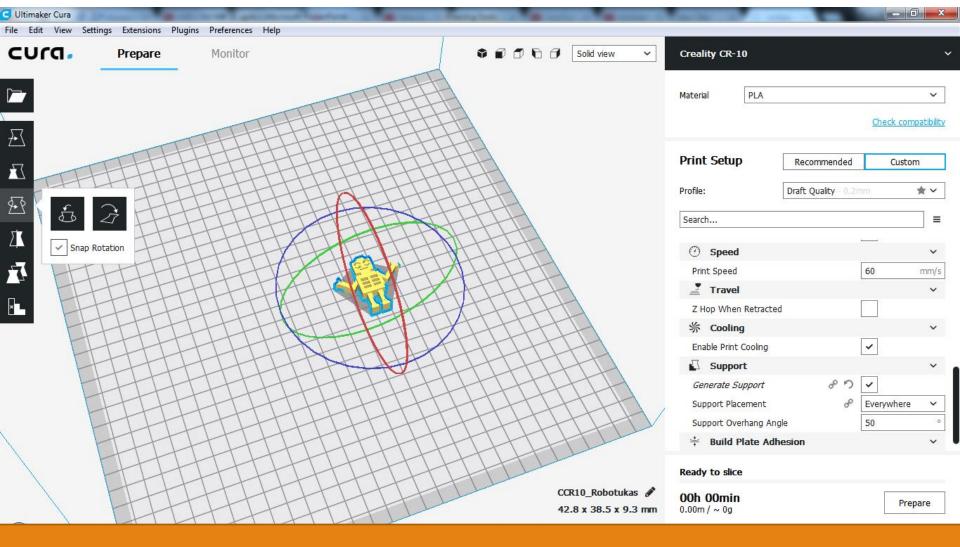
RESULT



III. Laminated 3D Robot Model (Cura). Inserting the model file



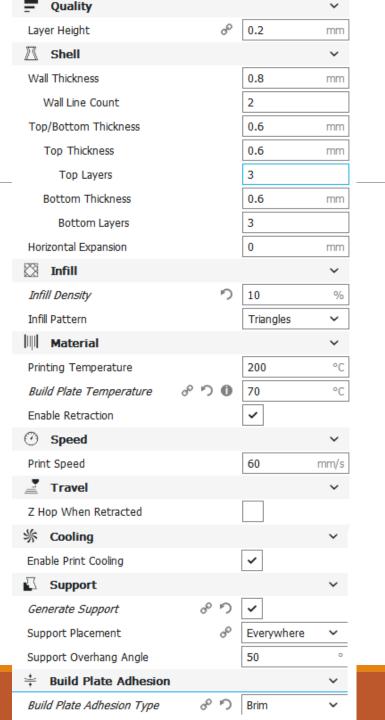
Positions, dimensions, and rotation adjustments



Settings



Material: PLA



3D Robot participant

eTwinning project "We love Lithuania and do you!" activities "100 Fantastic Robots for Lithuania".

5th grade students of Gargždai "Minija" progymnasium wrote the most fantastic robot writing paper, drew, designed a model, collected the best, worked with their parents. We told about this on the school's website, social networking site - Facebook.

We are delighted with the good practices.

Link to gallery:

https://padlet.com/ramintabirgeliene/yf2hc2yb15z0