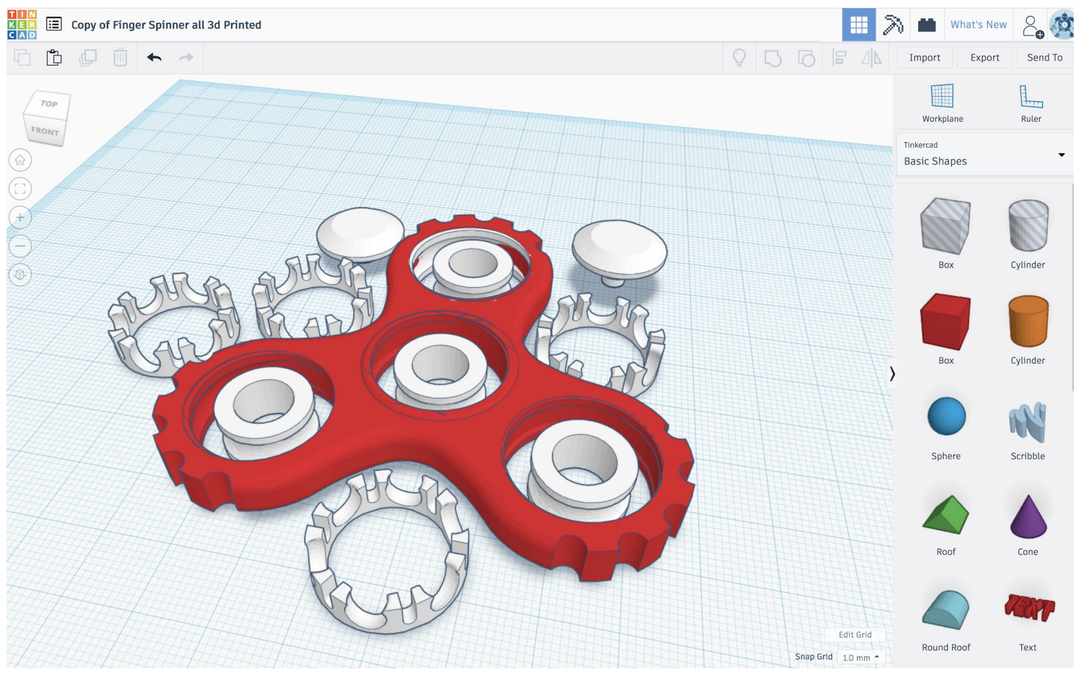
3D Printing is EASY & FUN



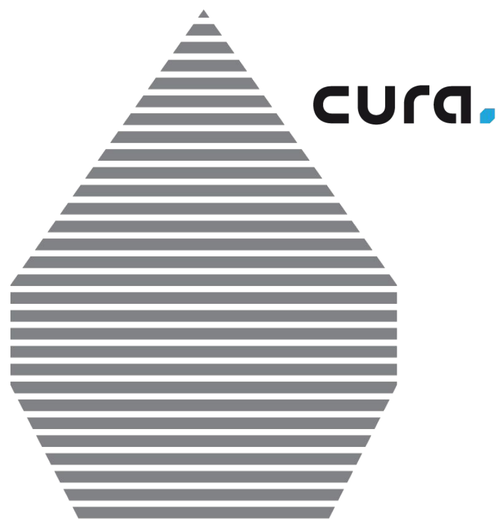
1>> Modeling

A polygonal model of the object is first created using a CAD tool such as TinkerCAD, Fusion 3D or OpenSCAD.

Modeling complex objects can be challenging, but there are sites like **Thingiverse** from which you can download thousands of objects and print!

2>>Slicing

Slicing is the process of converting the polygonal model into **g-code**, which is the language understood by 3D printers. A slicer software like Cura takes a 3D model and **slices** it layer by layer to create g-code instructions that can be loaded on to a 3D printer.



3>> Printing

Fusion Deposition Modeling (FDM) is the technique by which filaments made out of plastic are used to build an object layer by layer by fusing the melted filament. PLA, ABS, PETG are common materials used in 3D filaments.

3D printers are available in a variety of sizes, speed and price points. Many consumer level printers are becoming very affordable.

Connect with us to learn more about 3D printing and other fascinating technologies. **Microcode Techbridge Foundation** is a non-profit organization led by Dr. Govindarajalu, former Dean and HOD of CSE, SVCE and author of many engineering books. We are a group of volunteers aspiring to create technology awareness, improve employability skills and ensure education effectiveness among students and professionals. Join us at https://www.facebook.com/microcodetech

MICROCODE TECHBRIDGE FOUNDATION

fb.me/microcodetech