Abstract Template

Title: The learnings and challenges for beginners in 3D printing

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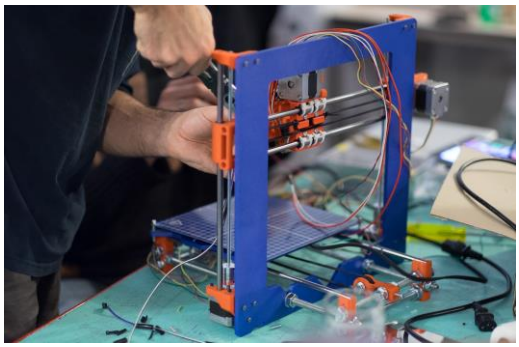
M.A.Sc., Mechanical Engineering, Queen's University, Canada
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Keywords: 3D printing, 3D printer, challenges, YouTube

I. Abstract Body

The additive manufacturing has gained considerable interests in the last few years due to the innovation of inexpensive 3D printers and open source software that drives the printers [1]. The idea of converting any design into a physical object has become the center of attention among engineers, scientists, architects and hobbyists. Although we have plenty of valuable information available online to educate ourselves, it's not easy to build a 3D printer on your own from scratch. In pursuit of this goal I wanted to learn how to design delicate components that could be used inside 3D printer as well as in medical devices in healthcare. I started creating complex objects such as flowers and birds that could also have meaningful applications. I wanted to share my learnings through this speech by presenting (1) challenges I faced as a beginner and how I overcame them, (2) my motivation to start a YouTube channel focused on 3D printing.

II. Image:



My dream

III. Reference:

1 Bethany C. Gross, Jayda L. Erkal, Sarah Y. Lockwood, Chengpeng Chen, and Dana M. Spence. Department of Chemistry, Michigan State University. 3240-3253

IV. Biography:

Sangeeta applies her engineering, problem-solving, and troubleshooting skills to design and build assembly process development solutions for the medical device industry. During her tenure at Qvella Corporation (at present), Xagenic Inc. and Medtronic, she successfully managed projects through product assembly development, feasibility studies, process optimization and verification. Sangeeta holds a bachelor of mechanical engineering degree from RGPV University India and a master of applied science degree in mechanical engineering from Queen's University, Canada. Passionate about designing and building engineering solutions, she started her YouTube channel SingleMomineer last year, which aims to inspire and educate young women and entrepreneurs on engineering DIY projects that help in building skills and awareness related to cutting-edge technologies such as 3D printing

V. Presenting author details



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