District SkillsUSA 2023

Additive Manufacturing

Assistive device - Nearly 1 in 5 people in the United States have a disability of some kind. These range from mild to severe and have an impact in their day-to-day lives. 3-D printing is making it possible for disabilities of all types to be supported and by creating assistive devices the quality of life of disabled individuals is greatly increased.

Design an assistive device for a disabled person. Remember, disabilities cover a broad gamut including not only those born with disabilities, but also our aging population. Make it incorporate some type of movement or motion.

* Entries must be 100% 3D printed and require no additional parts;
* A physical, 3D printed model is required on the day of competition.
* Include a paragraph describing the use and function of your design.

Be prepared on the day of the contest with a laptop and your design software. Each team will also create a presentation where they will present their idea, from planning to production, to the judges.