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3D printing in dentistry

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3D Printing (3DP), otherwise known as additive manufacturing is the forerunner in today's digital dentistry. 3DP as a technique surfaced back in the 1980s, but has turned mainstream only since lean methodologies entered prototyping more recently in the 21st century. Its advent began when Charles Hull printed, for the first time, in 1983, a three-dimensional object using the first 3D printer. 3DP is a process of producing 3D solid objects from a digital file in STL format (Surface tessellation language file or Standard triangulation language file) by a 3D printer by joining, bonding, sintering or polymerizing small volume elements. As evident in the Gartner Hype Cycles for 2017, 3DP is making critical inroads today in dentistry driven primarily by its superior customization propensity.

Biography

Nourah Abdul Kader has completed her degree in Bachelors of Dental Surgery at the age of 23 years from The Tamil Nadu Dr MGR Medical University, Chennai, India. She has also completed a Basic Implantology course. She is a triple gold medallist, holding a GPA of 4.0 and has received the best academic performer award during the academic period 2012-17. She has presented papers and posters in various national and international conferences for which she has won laurels. She has written an article on 3D printing in Dentistry after exploring the influence it has on modern digital dentistry. She aspires to learn from some of the great minds in dentistry throughout the world to help the underserved people.

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