REVIEW ON THE ADVANCEMENTS TO ADDITIVE MANUFACTURING-4D AND 5D PRINTING

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\textbf{ABSTRACT}

3D printing is established additive manufacturing technology in the Industry for quite a time. While the Additive Manufacturing industry is still discovering new applications, new materials, and new 3D printers, research is on for other technologies. 4D printing was started a year ago and recently 5D printing is being thought about and experimented. 4D printing has the ability to change the shape of 3D printed objects over time, which is the 4\textsuperscript{th} dimension. 5D printing has the capability to print in 5 different axes thus printing the layers in any required layers and curves.

KEYWORDS: 4D Printing; 5D Printing & Additive Manufacturing

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