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FILE TRANSLATOR FOR MULTI-DIMENSIONAL DESIGN MODEL – A SMARTMANUFACTURING APPROACH

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ABSTRACT

The Information Technology era has significantly altered the modus operandi for transferring statistics, as well as the manner and nature of "things". Information technology for transfer of statistics has proven to be vital for all products. The product functions to expand the appreciations to embedded instruments, and processors of products function to develop a product cloud, which is capable of storing data and analyzing the product data. This system permits the swapping of statistics among the product, the maker, the final user, its operating environment and other products or systems. Connectivity technologies are fundamental to smart manufacturing, and, therefore, their development and implementation are essential. This technology helps to link various products. However, because of the considerable usage of unstructured information coming from IoT and Big Data, an entirely new technology structure is essential to manage the huge flow of information within an enterprise. The foremost focus in smart manufacturing is considered a futile exercise in manufacturing, because it strives to encompass all stages of the product manufacture process. The objective of the development of smart manufacturing is to utilize huge data with advancement in computational intelligence, expertise, and production of higher quality goods.

KEYWORDS: Constructive Solid Geometry (Csg), 3d, Iot, Big Data, Xml