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Product Design with AIDesign software

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Abstract

In this paper, we use a legally approved, patented and industries approved, Artificial intelligence software, AIDesign software which is available under fee payment access from <https://aidesign.today> The software is used to intelligently use for home décor products for wall painting 3D printing, fluorescent dye made shelf 3D printing for home décor use and industries acknowledged in the furniture industries. The AIDesign software produces 3D product designs for home décor in milliseconds time and uses artificial intelligence, DANN deep learning used in AIDesign software to product 3D product designs for home décor that is industries approved designs and manufacture approved designs.

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I. INTRODUCTION

Product design is a new field of engineering, where the product is necessitated to design at extreme rapid time for manufacture industries as manufacture industries are well automated to design new products, while the design of new products does not have an automated tool to manufacture on a daily basis for new products that humankind demands[1]. The conventional CAD/CAE designs take a long approval from manufacture industries as CAD/CAE designs are stringent in rapidly intuitively and intelligently come with new product designs in alignment with the progress in civilization of human kind. CAD/CAE designs are developed in early 1990s and are still stuck in conventional hard rigid conventional line drawings in all 2D and 3D dimensions for manufacture industries to everyday come with tools that are compatible with their big equipments for manufacture of new product designs on a daily basis for new civilization humankind of 2020s[1].

Artificial intelligence with deep learning advancements was initially introduced as an automatic feature extraction system, requiring minimum pre-processing effort by the user [2, 3]. This is an old technique that has existed from 1940 and is known by different names such as - Cybernetics and Connectionism [2]. It was reintroduced as deep learning in 2007 [3]. The sudden increase in popularity of this field was due to the development of niche algorithms for training these networks. The most popular deep learning models are Convolutional neural network (CNN), which uses images to identify similarities and patterns. They take in image pixel information as input and learn patterns based on the RGB values of the pixels. Advancements in CNN architecture led to the development of sophisticated algorithms such as Recurrent Neural Network (RNN) [3].

II. PRODUCT DESIGN

A. HOME DECOR – WALL PAINTING 3D PRINTING

Fig. 1. shows a wall painting 3D printing manufacture compatible using a locknut-rocker-ram mechanism to burst the fluorescent dye to a wall frame using different shapes of fluorescent dyes to burst onto the wall frame to generate the wall painting 3D printing of new product designs. DANN deep learning inbuilt in AIDesign software is used to make the product design. AIDesign software is patented, legally approved and commercially available under payment use from <https://aidesign.today>

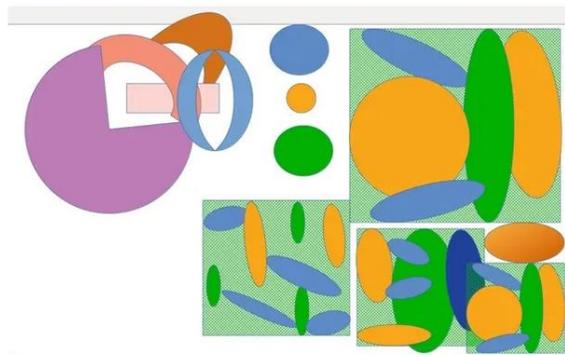


Figure 1. Product Design of medium image wall painting 3D printing made using AIDesign software. The software is accessed under payment fee from <https://aidesign.today>

Fig. 2. shows a wall painting 3D printing of large image scale manufacture compatible using a locknut-rocker-ram mechanism to burst the fluorescent dye to a wall frame using different shapes of fluorescent dyes to burst onto the wall frame to generate the wall painting of large image 3D printing product design. DANN deep learning inbuilt in AIDesign software is used to make the product design. AIDesign software is patented, legally approved and commercially available under payment use from <https://aidesign.today>

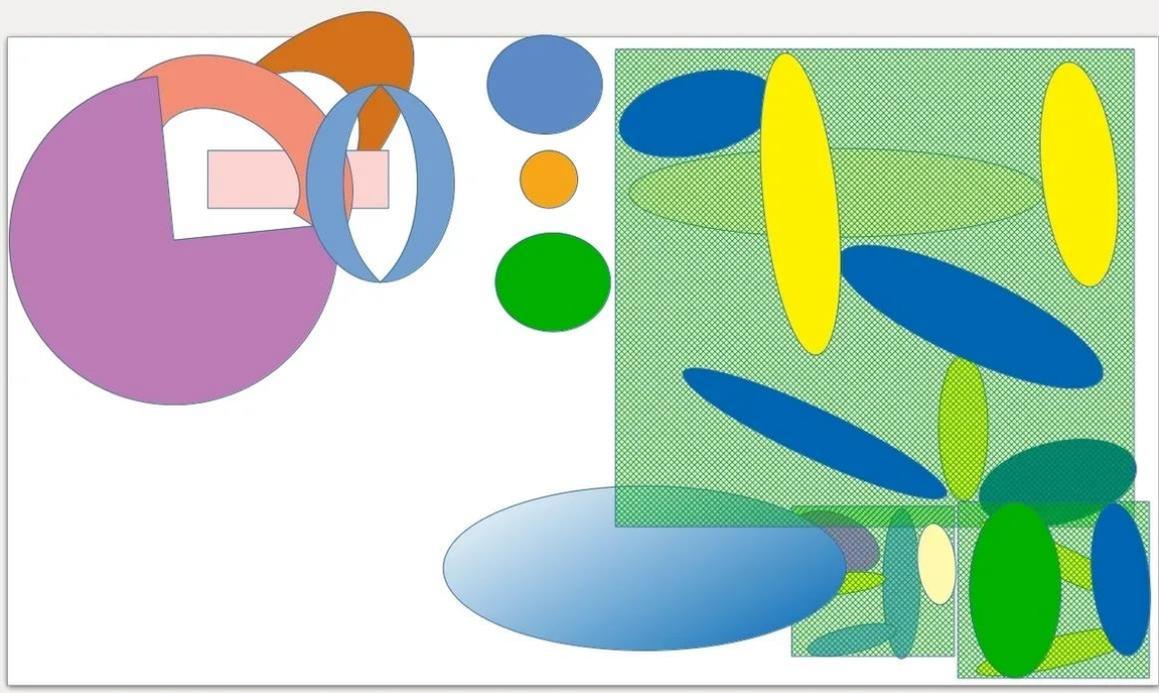


Figure 2. Product Design of large image wall painting 3D printing made using AIDesign software. The software is accessed under payment fee from <https://aidesign.today>

B. HOME DECOR – FLUORESCENT DYE MADE SHELF 3D PRINTING

Fig. 3. shows a fluorescent dye made shelf 3D printing manufacture compatible using a locknut-rocker-ram mechanism to burst the fluorescent dye to a thick frame and assemble the fluorescent+thick frame to make a fluorescent dye made shelf 3D printing product design. DANN deep learning inbuilt in AIDesign software is used to make the product design. AIDesign software is patented, legally approved and commercially available under payment use from <https://aidesign.today>

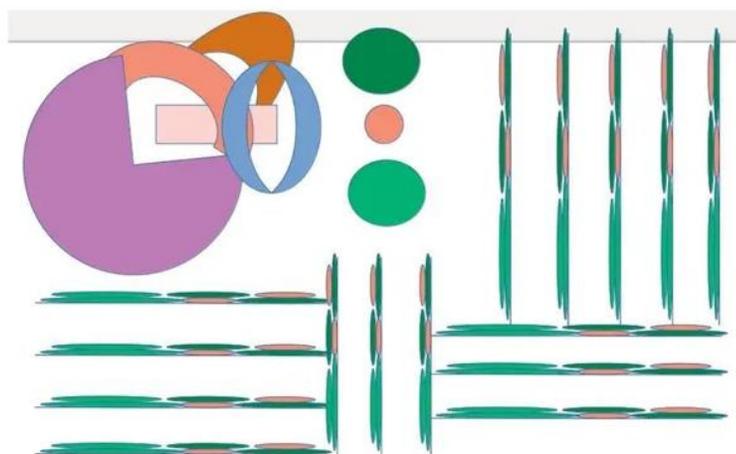


Figure 3. Product Design of fluorescent dye made shelf 3D printing made using AIDesign software. The software is accessed under payment fee from <https://aidesign.today>

III. CONCLUSIONS

Here we use a legally approved, patented and industries approved, Artificial intelligence software, AIDesign software which is available under fee payment access from <https://aidesign.today> to make Product designs that are manufacture industries approved for rapid manufacture of new product designs for humankind daily basis needs. AIDesign software is used to make product

designs for home décor use in milliseconds time for manufacture industries rapid manufacture of new product designs.

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