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If I Could Invent Something New

One day I was doing some research when I saw a pop-up message of how ten people in a family died as a result of food poisoning. Then I realized Nigeria has a food security problem that is taking the lives of people every day. I sat down to think of what I can do to resolve that problem, it took a while but I finally came up with the idea of a 3-D Food Printer. It called it “FOODPRINT”. FoodPrint is a 3-D food printer that prints edible food that can be eaten directly, roasted, boiled or baked. The printed food contains more nutrients than the original.

FoodPrint works by layering food ingredients to create a final product just like a normal 3-D printers layer material like plastic or metals. You can print pre-defined food models like cake, rice, beans, burger, etc. or customize the model using special software. Ingredients are then prepared in the form of purees, pastes or powder and loaded in a cartridge or container. Then the printing begins as the printer dispense and layer the ingredients in the right amount using the digital model. The printer can also cook and bake the food during or after the printing process but that function is optional. Once food has been printed it can be served and eaten or kept for future use.

To make the FoodPrint, I need a strong frame, parts that move accurately and special control valve to squeeze out food ingredients like pastes. I also need safe containers for the food, electronics to control the printer, and heaters to cook the food as it’s printed. Software to design the food and instruct the printer on what to do. Finally, safety sensors make sure everything works correctly and safely.

It would solve the problem of food insecurity, accessibility and affordability in the society. With this innovation the accessibility and affordability is beyond imagination as one can get a three course meal free of charge in under five minutes. No need to worry about food insecurity as the FoodPrint eliminates the chances of contacting food borne diseases like cholera.

If I were to say the beneficiaries of the FoodPrint I would say the health and finance sector. In the health sector, the chances of contacting food borne diseases has reduced drastically with the FoodPrint. In fact the chances of contacting any disease has reduce because food printed by the FoodPrint contain twice the amount of nutrients in them. While in the finance sector, by reducing the price of food we are reducing the rate inflation by lowering cost of living.

In conclusion, the FoodPrint is an invention that will bring us into a new era of technology and advancement. It is a perfect example of advancing technology to change the way we think about food preparation. This is just the first of its kind and more amazing and better inventions are coming from the most unexpected placed.