

Engineering Hydroponic Farming System using Household Waste Material: A Mini Farming Plant Approach

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Abstract: *The paper is related to engineering hydroponic farming systems using household waste material for cultivating home-based plants. It is based on a project model made for a science exhibition. Various waste materials, such as plastic bottles, plastic glasses, coconut fibers, etc., are reutilized to fabricate the project. Finally, it is concluded that we can utilize household waste material to effectively develop such a hydroponic system for cultivating home-based plants such as spinach, coriander, chili, etc. This project supports soil-free farming techniques for better human health.*

Keywords: Hydroponic Farming, Household Waste, Human Health, Soil Free Farming.