

# Indoor Farming Hydroponic Plant Grow Chamber 2 Layer

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**Abstract:** *Indoor farming is becoming the future of agriculture because it reduces the need for large farming lands. This project presents a two-layer indoor farming and gardening system using a programmed hydroponic method. Hydroponics is a technique of growing plants without soil, using nutrient- rich water instead.*

*The system includes an automated water supply and drainage setup, proper airflow, and artificial lighting to create a suitable environment for plant growth. Intelligent grow chambers monitor and provide the required nutrients, water, and light to ensure healthy plant development. This system allows organic food production indoors in any weather condition. By maintaining ideal growing conditions, it offers a simple and fully automated solution for modern farming..*

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