

Web Technologies

Project DA-1

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Description

Our website is for farmers and industrialists mainly for sell and purchase of agricultural products, but also allows local users to purchase products some of the organic food products that are sold by farmers and industries. On completion of website, seller will be notified by mail when buyer requests that particular product.

For purchasing inorganic products (eg. Fertilizers, pesticides etc.) purchase form of industries is to be filled. If the product is available at present, it will be delivered to buyer at mentioned delivery address.

Water management methods is for farmers if they want to know about water management. This page has only content about water management methods.

Industries part of this website provide user the facility to sell and purchase industrial goods. It also provides information about Recycling waste, some statistical data and also provide link to direct to license application page. Terms and conditions are provided which also directs to detailed description of terms and condition.

Website Main Page



Agriculture

Main page

Agriculture World

File | /Users/harshiljetani/Desktop/Web%20Tech%20Project/agriculture.html

Welcome to Agricultural World

Home


Historical civilizations and modern life as we know it would not have been possible without agriculture. It was through the cultivation of nutritional food that the structure of early societies could diversify and focus on various tasks.

Without the need to move to better hunting grounds or spend time on dangerous quests after seasonal sources of food, early humans were able to settle and use their energy towards manufacturing sophisticated tools and building permanent dwellings.

As time passed, agriculture became the most dominant land use on the planet, feeding a booming population and transforming natural habitats of many species.

Whether the outcome of this change delivers negative or positive consequences depends largely on our approach. You may think it sounds counter-intuitive, but sustainable management of our lands can prevent many problems we are currently facing.

When done right, farmers could actually bring about many positive environmental impacts of agriculture that may enrich local biodiversity and boost vital ecosystem services.



Sell OR Purchase Agricultural Products

Sell Agricultural Product

Purchase Agricultural Product

Type of Agricultural Product

Organic Products

Inorganic Products

Water Management

Water Management Methods

Sell Biodegradable Waste

Contact Industries to Sell Biodegradable waste

Sell OR Purchase Agricultural Products

Sell Agricultural Product

New Seller:

[Register Here](#)

Already Registered:

Seller ID:
(10 digit ID)

Seller Name:

Product Name:

Quantity (in metric tons):

Product Address:
(Address where product is stored at present)

Rate:
(per metric ton)

Submit

Purchase Agricultural Product

Buyer Name:

Product Name:

Quantity (in metric tons):

Delivery Address:
(Address where product is stored at present)

Submit

Organic Products

Organic Products

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Organic products

Organic Certification

Organic certification is a certification process for producers of organic food and other organic agricultural products. In general, any business directly involved in food production can be certified, including seed suppliers, farmers, food processors, retailers and restaurants.

Requirements vary from country to country (List of countries with organic agriculture regulation), and generally involve a set of production standards for growing, storage, processing, packaging and shipping that include:


- avoidance of synthetic chemical inputs (e.g. fertilizer, pesticides, antibiotics, food additives), irradiation, and the use of sewage sludge.
- avoidance of genetically modified seed.
- use of farmland that has been free from prohibited chemical inputs for a number of years (often, three or more).
- for livestock, adhering to specific requirements for feed, housing, and breeding.
- maintaining strict physical separation of organic products from non-certified products.

Organic Farming

It is a method of farming system which primarily aimed at cultivating the land and raising crops in such a way, as to keep the soil alive and in good health by use of organic wastes (crop, animal and farm wastes, aquatic wastes) and other biological materials along with beneficial microbes (biofertilizers) to release nutrients to crops for increased sustainable production in an eco friendly pollution free environment.

As per the definition of the United States Department of Agriculture (USDA) study team on organic farming "organic farming is a system which avoids or largely excludes the use of synthetic inputs (such as fertilizers, pesticides, hormones, feed additives etc) and to the maximum extent feasible rely upon crop rotations, crop residues, animal manures, off-farm organic waste, mineral grade rock additives and biological system of nutrient mobilization and plant protection".

FAO suggested that "Organic agriculture is a unique production management system which promotes and enhances agro-ecosystem health, including biodiversity, biological cycles and soil biological activity, and this is accomplished by using on-farm agronomic, biological and mechanical methods in exclusion of all synthetic off-farm inputs".



Purchase Organic Products

Food Products

Other Products

Purchase Organic Products

Food Products

Buyer Name:

Product Name:

☐ Grains
☐ Flour
☐ Fruits and Vegetables
☐ Organic Puffed Snacks
☐ Organic Candies
☐ Organic Pickle

Quantity (in kg):

Delivery Address:
(Address where product is stored at present)

Submit

Other Products

Buyer Name:

Product:

☐ Flowers and plants
☐ Fibers
☐ Fertilizers
☐ Insecticides
☐ Body Care Products
☐ Cosmetics

Quantity (in kg):

Delivery Address:
(Address where product is stored at present)

Submit

Inorganic Products

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Inorganic Agricultural products

Inorganic Farming


Inorganic farming is also known as Conventional farming. Inorganic farming is growing agriculture by using synthetic products such as pesticides (eg. insecticides, fungicides and herbicides) and chemicals.

Inorganic farming is very time efficient. Farmers can cover a large area of land all at once in very short period of time.

Since organic farming is costly, most farmers can't afford it. Due to the fact that most farmers use inorganic products, there's not as many organic crops being produced. Also, most consumers can't afford organic products due to high prices.

Although organic farming is better for the environment, inorganic farming produces high amounts of agriculture and is overall more efficient than organic farming.

"Today, the Average North American farmer produces enough food to feed 80 people whereas in 1950, the average farmer produced enough to feed only 14 people."



Purchase Inorganic Products

Purchase Inorganic Products

Water Management

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Water Management Methods


Water Management in Farming

1. Traditional Systems

These are the methods of irrigation that were used in the earlier years. Even today some small farms in rural areas adopt these. Although they are cheaper than the modern methods, they are not nearly as efficient. They require human or animal labour to function. Some of these methods are,

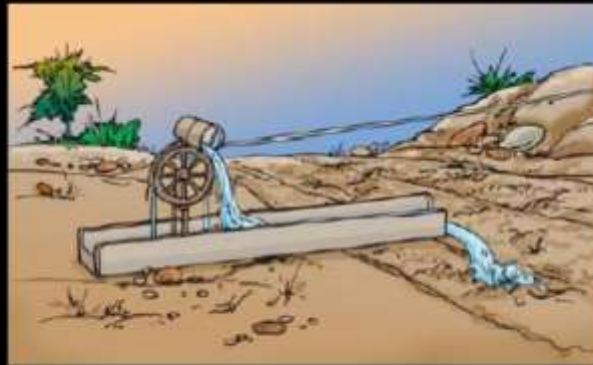
- i. Moat

Also called the pulley system, it involves pulling up water from a well or other such source to irrigate the land. It is an extremely time consuming and labour intensive system, but it is very cost efficient. Also, wastage of water is avoided when using a moat system of irrigation.



ii. Chain Pump

A chain pump consists of two large wheels connected by a chain. There are buckets attached to the chain. One part of the chain dips into the water source. As the wheel turns, the bucket picks up water. The chain later lifts them to the upper wheel where the water gets deposited into a source. And the empty bucket gets carried back down.



iii. Dhekli

It is a system of drawing water from a well or such similar source. Here we tie a rope and bucket to a pole. At the other end, we tie a heavy stick or any other object as a counterbalance. And we use this pole to draw up water.



iv. Rahat

So Rahat system of irrigation uses animal labour. Above the well, we tie a large wheel. An ox or cow would turn the wheel to draw the water from the well.



2. Modern Methods

These are more efficient systems of irrigation that were invented in the recent decades. These help us use water economically without wastage.

i. Drip System of Irrigation

The most commonly used method of irrigation these days is the drip method. They lay the pipes in rows near the crops or plants. These plastic pipes have holes in them. Water seeps from these holes drop by drop, hence the name drip irrigation. This is an extremely efficient method of irrigation as it reduces water wastage.



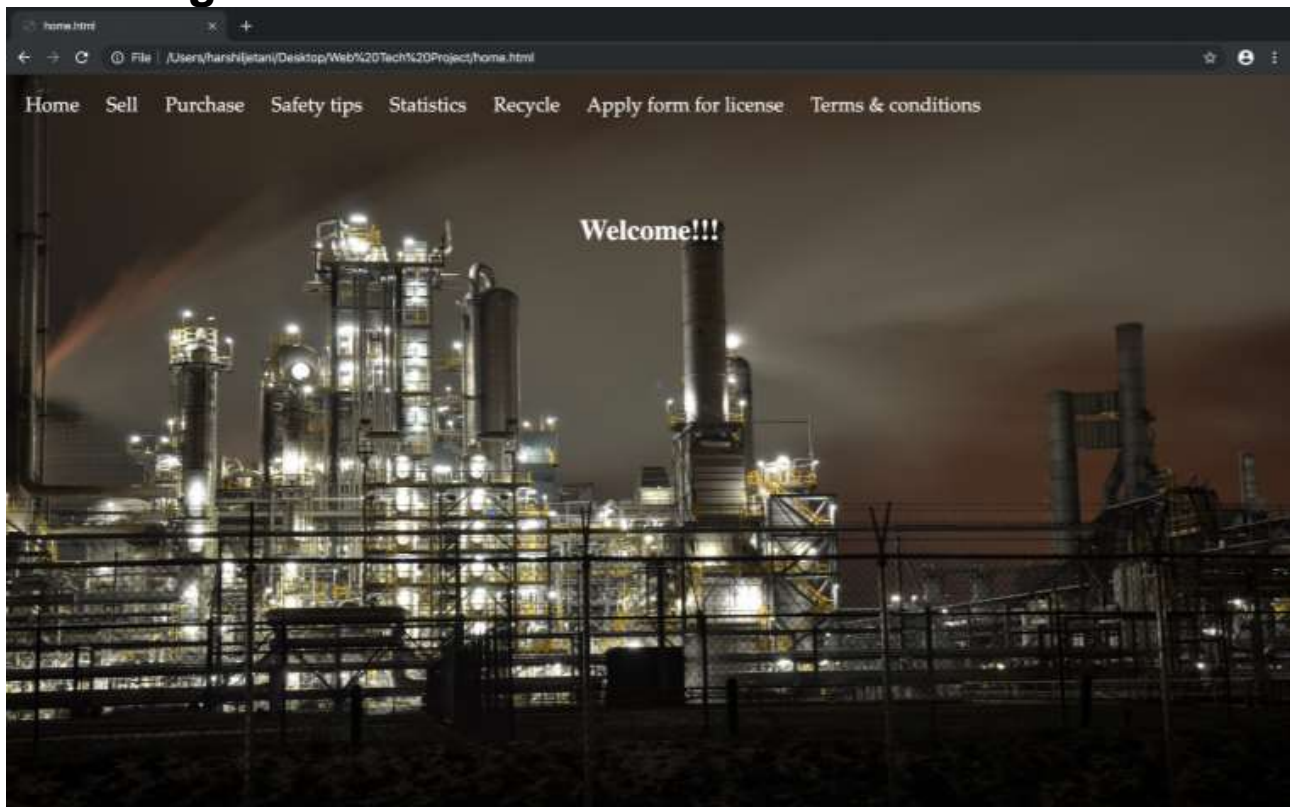
ii. Sprinkler System

This system mimics the phenomenon of rain. Water is carried by pipes to central locations on the farm. Sprinklers placed here distribute the water across the fields. This is the most efficient method to irrigate the uneven land. Sprinkler system also provides the best coverage regardless of the size of the farm.



Industries

Main Page



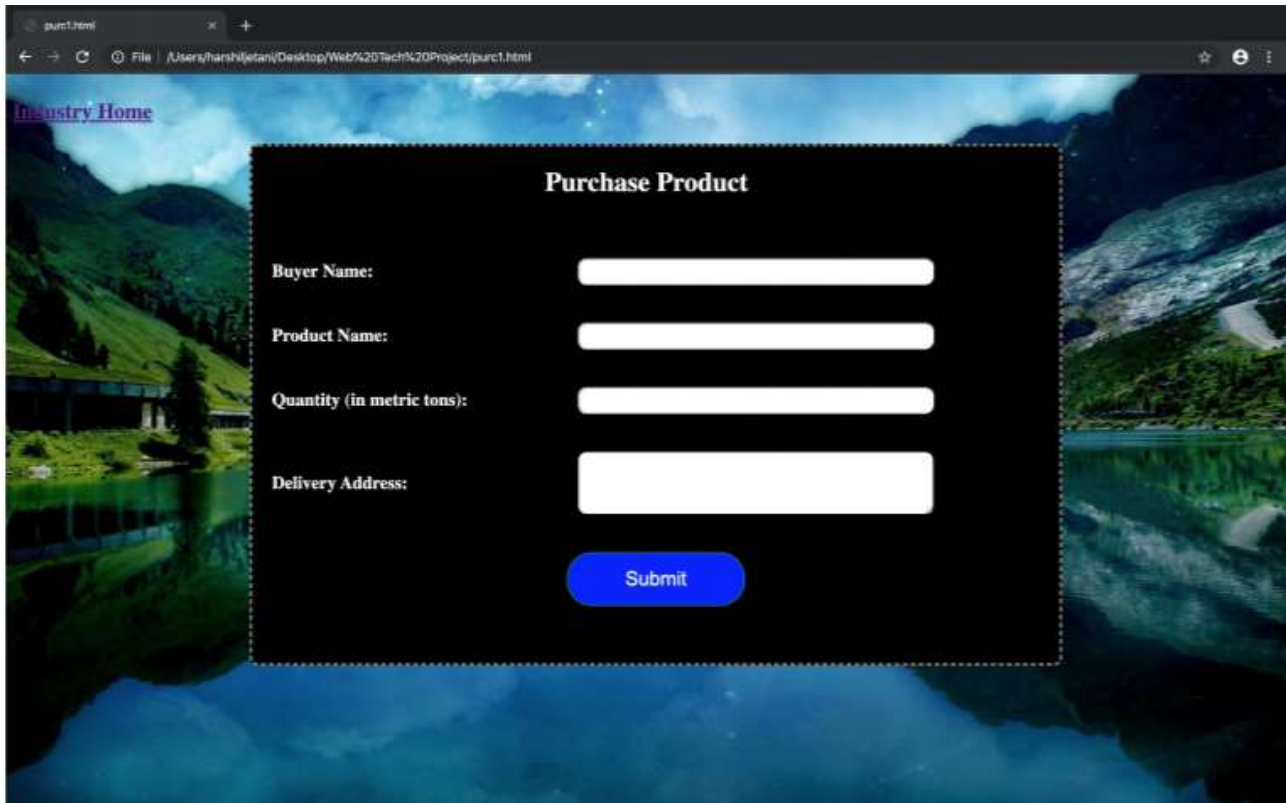
Sell Product Form

The screenshot shows a web browser window displaying the 'sell.html' file. The address bar shows the file path: /Users/harshijetani/Desktop/Web%20Tech%20Project/sell.html. The website has a dark background with a large image of a mountain landscape. The text 'Industry Home' is displayed in the top left corner. The main content area is titled 'Sell Product' and contains a form with the following fields:

- Seller Name:
- Product Name:
- Quantity (in metric tons):
- Product Address: (Address where product is stored at present)
- Rate: (per metric ton)

A blue 'Submit' button is located at the bottom of the form.

Purchase Product Form



The screenshot shows a web browser window with the address bar displaying the file path: `/Users/harshijetani/Desktop/Web%20Tech%20Project/purc1.html`. The page has a dark background with a scenic mountain landscape. At the top left, there is a link labeled [Industry Home](#). The main content is a 'Purchase Product' form with the following fields:

- Buyer Name:
- Product Name:
- Quantity (in metric tons):
- Delivery Address:

Below the fields is a blue button labeled 'Submit'.

Safety Tips



The screenshot shows a web browser window with the address bar displaying the file path: `/Users/harshijetani/Desktop/Web%20Tech%20Project/s2.html`. The page has a dark background with a pattern of interlocking gears. At the top left, there is a link labeled [Back](#). The main content is titled 'Safe and Sustainable Industry' and contains the following text:

Safety and sustainability are integral part and parcel of everyday's life and so is it in the world of industry. Creating a safer and healthy environment for workers and people around is essentially what the era demands.

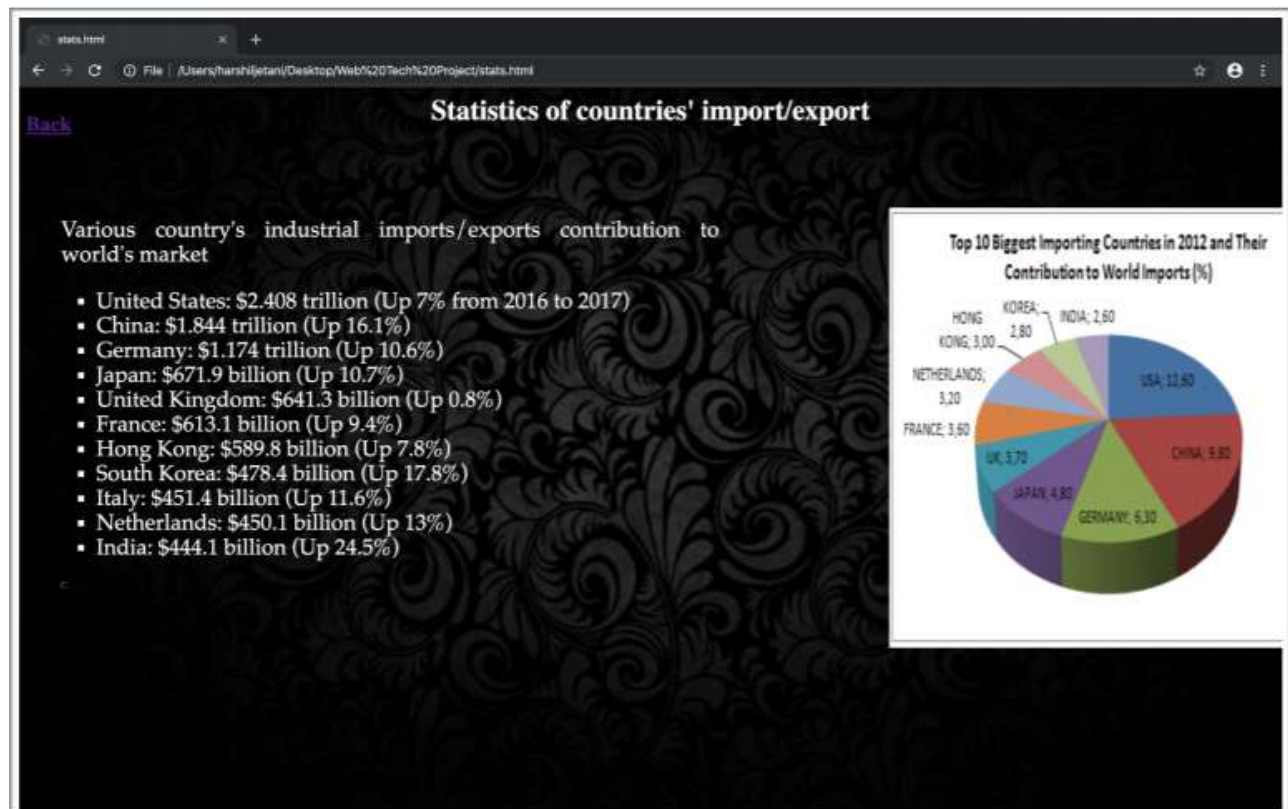
Workers should be provided with protective hand gloves, helmets, eye masks and other essentials. They should be trained for using equipment, machines and tools properly.

Another matter of grave concern for industries is Proper Waste Disposal. Waste should be properly disposed. It should not be dumped on outskirts. Segregation (waste separation using container units) and landfill (burying waste in the lands) are some of the dumping strategies for waste management. But why just to manage??? why not turn it into useful resources. Compositing (waste into organic compounds to feed plants) and recycling serves the purpose.

Over exploitation of resources is threat to world today. Sustainable Development is the key to it. Inputs should be sustainable and such that common people also get benefitted through industrial projects. Locally made products and services can be used which in turn creates local jobs. It also leads to community identification and involvement.

On the right side of the page, there is an image showing two workers silhouetted against a bright light, holding a large metal structure, likely a part of a crane or a large container.

Statistics



Recycle

re1.html

File | /Users/harshijetani/Desktop/Web%20Tech%20Project/re1.html

Recycling

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Recycling wastes is not only a solution to waste management but also to resource utility. Industry produces a lot of waste materials which remain unused and pollutes the environment. So what's the solution???

Some of the industrial wastes found are dirt and gravel (can be recycled into clothes, furniture, carpet), masonry and concrete (can be recycled into art, furniture, carpet), scrap metal (can be recycled into house, car, yard, box), oil (can be recycled into plant boilers, space heaters, or industrial heating applications), solvents (re-use in manufacturing commercial products), chemicals (recycled into plastic (PET) into new bottles, clothes and other everyday products), scrap lumber (can be chipped and used in compost or mulch), even vegetable matter (can be break down organic matter, such as kitchen vegetable scraps, garden waste, leaves, and animal manure).



Terms & Condition

