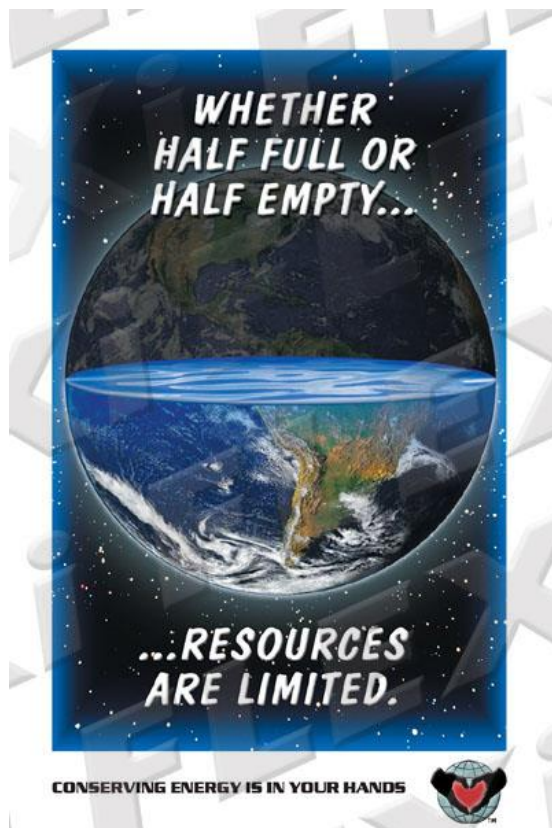




# Conservation of Natural Resources

## Subject-Environment Pollution and Health

### Subject Code-MDSE(E)-202A



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## Natural Resource

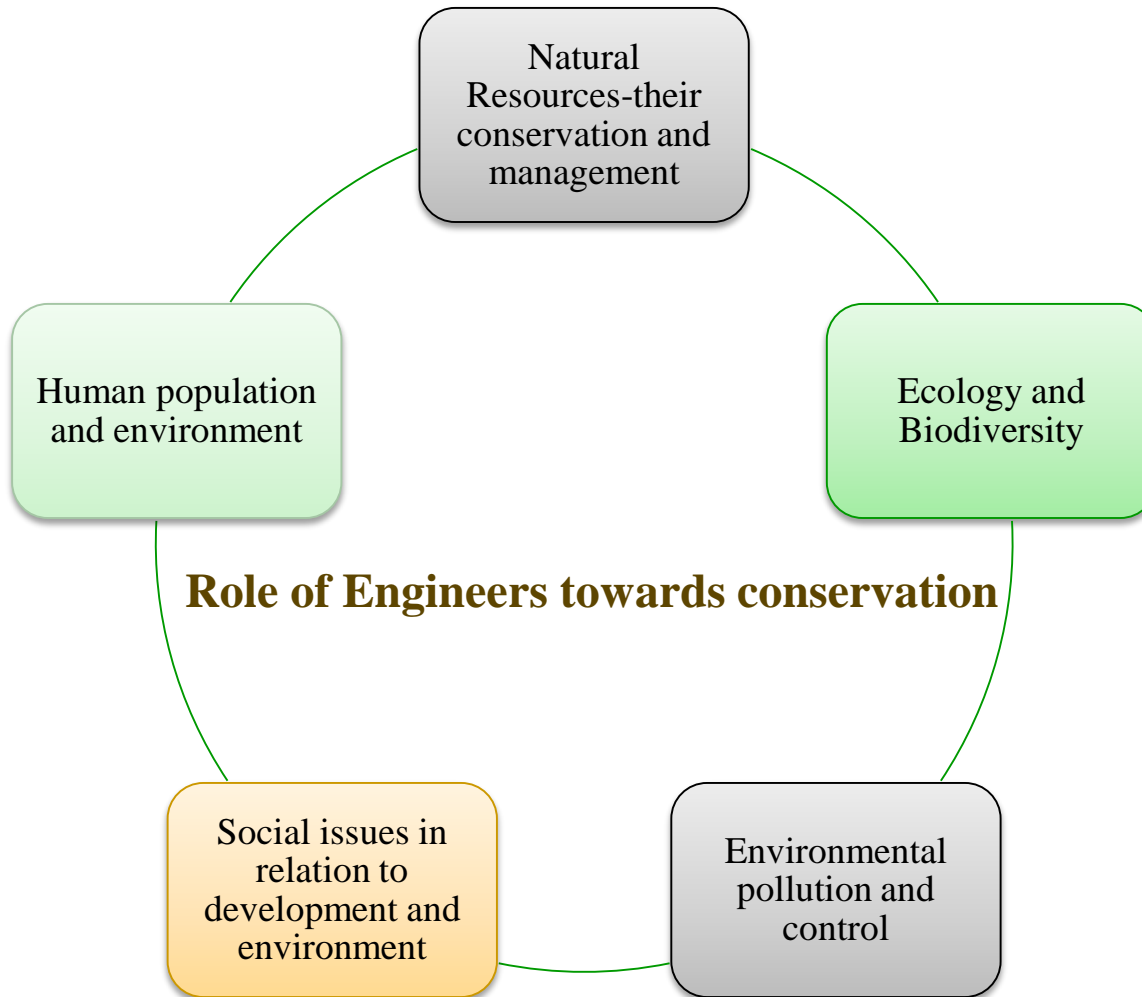
A natural resource can be defined as any component of the natural environment that can be utilized to **sustain** life and promote welfare.

- Some resources such as air, water, food and land are important because without them life can not be sustained. They are called as life supporting system.
- Rapid rate of consumption may lead to complete depletion or loss of natural resources.
- But the amount of natural resources per year began decreasing.





- ❖ Rapid rate of increase in **population** which is matter of concern
- ❖ **Industrial Revolution** this marked the beginning of the exponential rate of consumption of natural resources.



## Why to Conserve?

- ❖ We have limited fuels available on earth.
- ❖ Our demand for energy is increasing day-by-day.
- ❖ It is possible that someday, most of fuels will be exhausted, and we will have to switch over to alternate energy which is: **Solar Energy**



- ❖ At present consumption levels-Crude oil will last only for 40 years.
- ❖ Gas will last for 60 years.
- ❖ Coal will be finished in nearly 200 years.
- ❖ Ever thought of life without oil and gas?



## Solar panel

Solar system is installed in all University, hospitals, hostels and staff quarters which reduce use of geyser. The solar system utilized for water heating.





## Rainwater Harvesting:

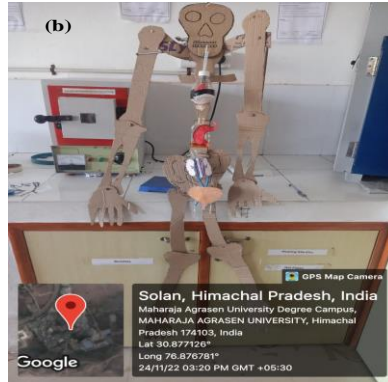
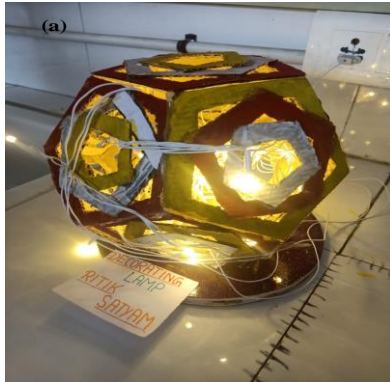
Rainwater harvesting system. The purpose is to utilize the water coming from rain for different purposes like irrigating fields and gardens



**a)** Rain Water Harvesting    **b)** Bore well recharge    **c-d)** Water Tanks



## Waste Management



Use of waste paper: a) Decorative Lamp b) skull structure c) tabletop decorative



a) Ganesha wall hanging b) Hydroponic technique c) decorative by use of Paper waste, groundnut shells.







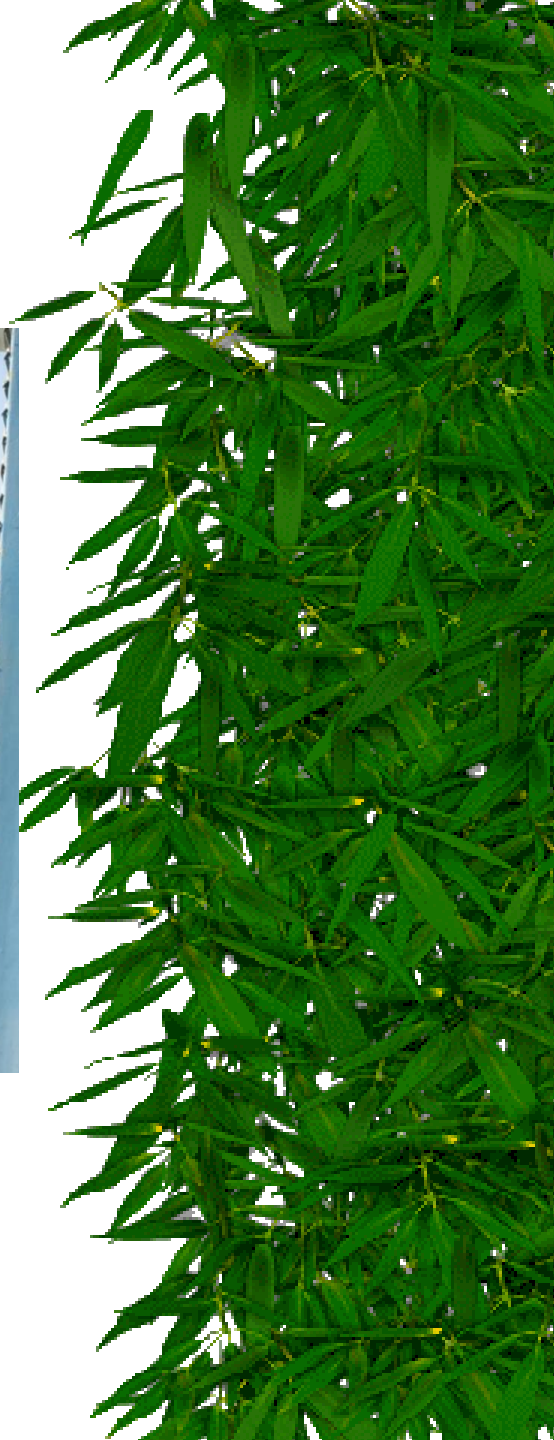
**g-h-i:** Use of disposable glasses, plastic bottle caps for decorative



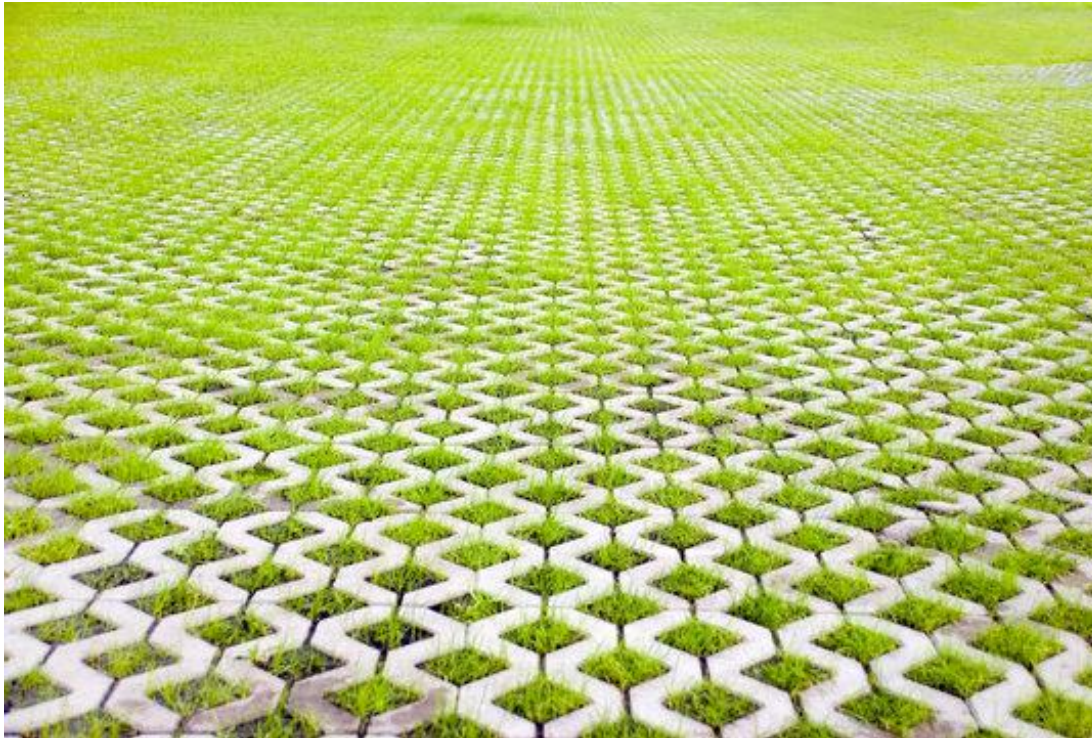
- ❖ Use of energy efficient Devices i.e Energy conservation by replacing tube lights with CFLs and LEDs.
- ❖ Construct building in such a way that maximum amount of sunlight can be obtained.
- ❖ Try to dry cloths in sunlight instead of drier or washing.
- ❖ Reflective tiles increase albedo **Reduces energy cost** A cooler building helps reduce energy costs significantly. A solar-reflective protective coating helps reduce heat absorption and heat flow from the roof to the inside of the house. This helps cool down the interior. Which in turn decreases the use of air conditioning and helps lower energy bills. Also, lower usage of air conditioning helps reduce carbon footprint.



## Waste water treatment plant



## Permeable Pavers

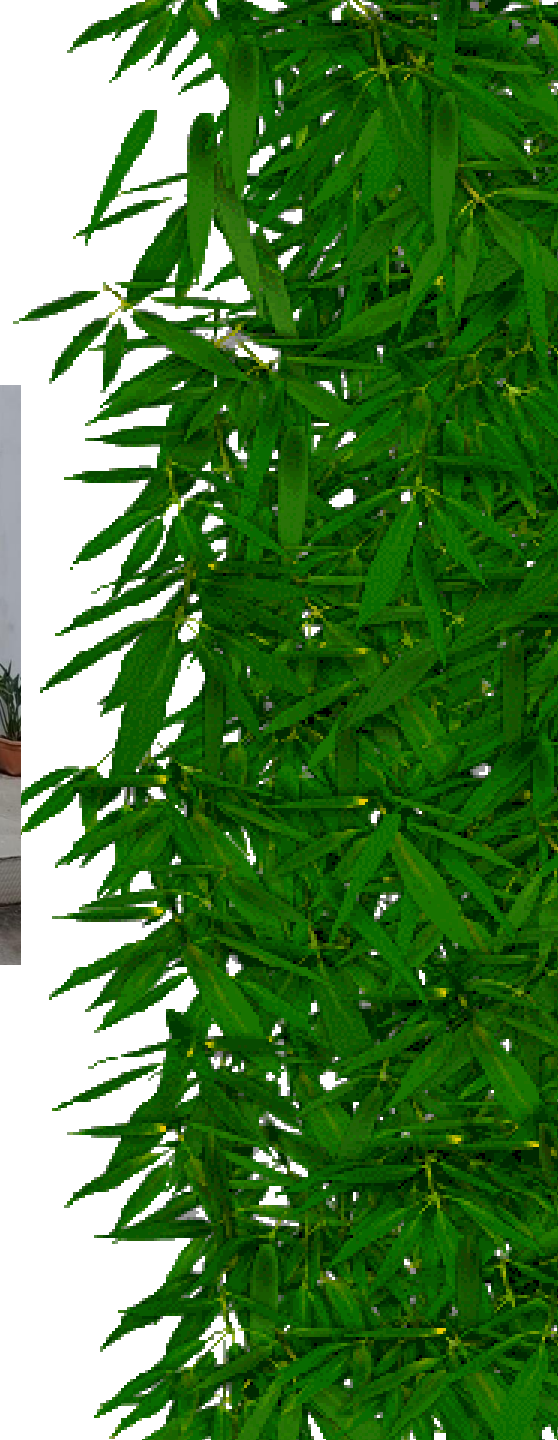




## Sensor taps



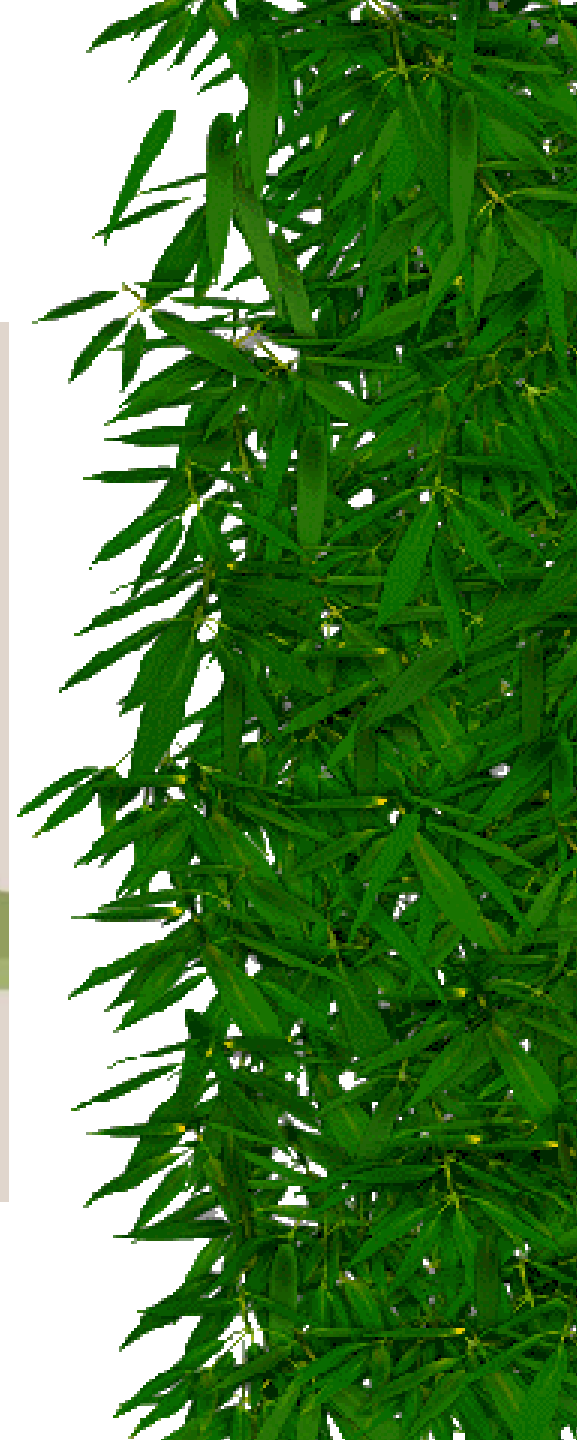
## Bench like structure in campus by waste plastics



## Mini forest



## Green walk





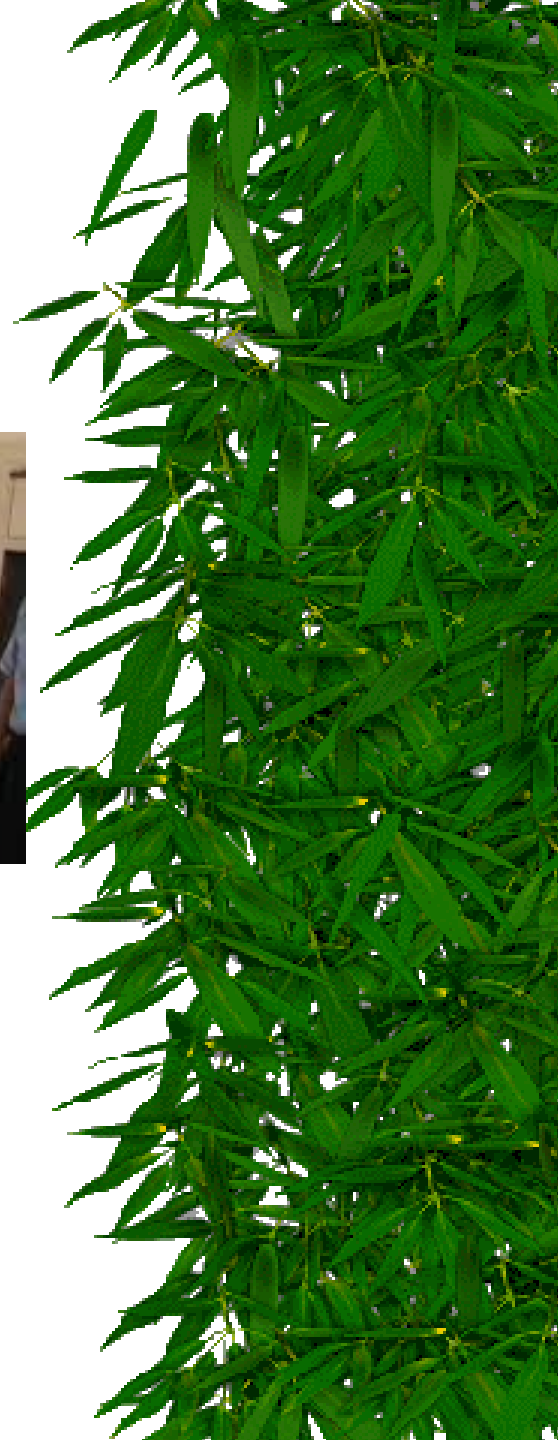
## Bin Farming



Dustbin for waste collection



## Paper recycling Machine usage of recycled paper



Biodiversity learning





## Energy and Food together thrive crops under



## Increasing Consumption

- \* Furthermore, our consumption is increasing day-by-day.
- \* This means fuels will last much earlier than expected.
- \* The only solution is .....



## Energy Conservation



ऊर्जा संरक्षण

## What Can We Do?

- \* We, the children can do our bit to save energy. We should not waste energy in institute or at home.

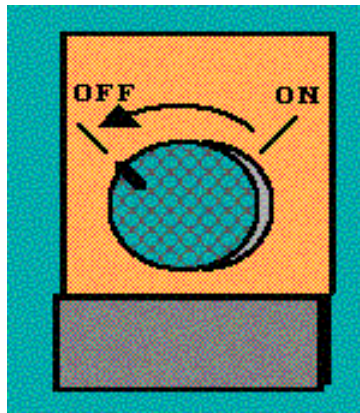




In University



- \* Always switch off lights and fans while going out of the class.



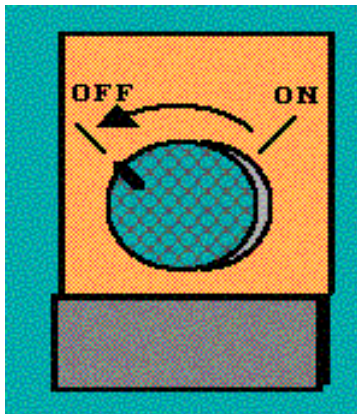


- \* In computer lab, we should switch off computers before going out of class.





- \* If there are less students in the class, we should sit together so that some fans can be switched off. (NOT IN EXAMS!)
- \* We should not keep light and fan unnecessarily switched on.



## What Else can be Done?

- \* We should discuss energy conservation with our friends and tell others how can we reduce energy consumption.





*Act now Be a change*

*Thank You...*

