



### Report on

"Vriksha Ropan celebration in village Lakhuwas in collorarbation with NSS"

Date: 29/09/2023

Venue: Village Lakhuwas, Sohna

Timing: From 10:00 am onwards

Event Type: Extension Activity

Mode of Activity: Offline

Target Group: SOAS student with NSS and Lakhuwas villagers

Faculty Coordinator: Ms. Priyanshu Choubey, Dr. Ambika Bhandari, Dr. Taranjeet Kour

Organized by: School of Agricultural Sciences, KRMU (Gurugram)

Number of Participants: 30 students and 15 villagers

On Friday 29/09/2023 faculty and students from K.R Mangalam University's Agriculture Department, in collaboration with NSS,•organized a tree planting programme at Lakhuwas village. It was carried out by Ms. Priyanshu Choubey (Soil Science), Assistant Professor, SOAS Department, who stated that by planting more and more trees, we can conserve air, water, and our ecosystem, which is essential for the welfare of future generations. Dr. Ambika (Assistant Professor) SOAS also participated in this programme and shared her thoughts. The event was also attended by Lakhuwas village residents and school students. Ms. Priyanshu Choubey share the information about related to planting programme that deforestation are responsible for many causes of pollution. The primary objective is to control pollution and to contribute the conservation of the environment by planting trees. Trees play a crucial role in maintaining ecological balance, preventing soil erosion, and providing habitat for wildlife, Trees absorb carbon dioxide from the atmosphere and release oxygen through the process of photosynthesis. Planting more trees helps reduce the levels of greenhouse gases in the atmosphere, thus mitigating the impacts of climate change. Trees act as natural air filters, removing pollutants from the air and releasing clean oxygen.



The most important function that they perform keeps greenhouse gases at bay is how trees can lower the air temperature maintain low levels of carbon dioxide, and thereby reducing the greenhouse effect in the atmosphere. Apart from that, they also conserve the warmth by acting as a shield to harsh winds, heavy rain, sleet, and hail. Therefore, trees can manage and influence wind speed and direction in order to maintain a balanced atmosphere. Planting trees in urban areas can help improve air quality and reduce the health risks associated with air pollution. Tree roots help bind the soil and prevent erosion. They also improve soil fertility management by adding organic matter as their leaves and branches decompose. Trees play a crucial role in water conservation.

They help reduce surface runoff, recharge groundwater, and maintain the health of watersheds. Dr. Ambika also share that education and awareness are essential for tree plantation which tree planting programs should be often include educational components to raise awareness about the importance of trees and the environment. They must be engage communities, schools, and organizations in environmental stewardship. Ms. Priyanshu Choubey and Dr. Ambika Bhandari discuss the Indian government's tree planting programme and campaign in front of villagers and school students. They advised on what types of tree plantations should be planted and how they can help the environment,



such as the Neem and Banyan trees, which emit a lot of oxygen and absorb a lot of CO<sub>2</sub>, as well as controlling soil erosion and improving soil health.



Conclusion: this event was more plantations to conserve environment so that macro and microorganism are surviving freely and trees act as natural filters, absorbing harmful gases and releasing oxygen. By planting trees in schools, we create cleaner and healthier air for students and staff, reducing respiratory problems and creating a more conducive learning environment. To create green belt and avenues for meeting aesthetic recreational needs to the people. To beautify the areas for scenic beauty and to reduce the surface run-off discharge and checking soil erosion along the embankments.

The awe-inspiring success of Vriksharopan and the consistent efforts over the planting trees exemplify commitment to environmental conservation and sustainable development. As the state forges ahead on its green journey, it serves as an inspiring model for other regions to emulate and contribute to the global cause of preserving our precious natural resources.

