



Khatra Adibasi Mahavidyalaya

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NAAC Accredited B+

Our Best Practice

Session: 2019-2020

1. Title of the Practice: Manufacturing & Distribution of Hand Sanitizers by Chemistry Department

2. Objectives of the Practice:

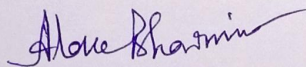
The COVID-19 pandemic is a worldwide outbreak of coronavirus, an infectious disease caused by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) virus. The World Health Organization (WHO) declared the outbreak of COVID-19 on 11th March 2020 as a pandemic due to the rapid rate at which it was spreading across the globe. Health experts recommended that to contain the spread of COVID-19, use of hand sanitizer is a must. Although our college was closed due to the declaration of lockdown by the state government, teachers of Chemistry department of the college took the novel initiative of manufacturing sanitizers in the laboratories and distribute them to highlight the importance of sanitization amidst the pandemic.

3. The Context:

Frequent use of hand sanitizers has become the new normal after the outbreak of the COVID-19 pandemic. Hand sanitizer kills pathogens present on our hands and diminishes transmission of germs also from one person to another. Sanitisers have ethyl alcohol, isopropyl alcohol, and the antibacterial substance triclosan. The use of hand sanitiser can help us fight against the Coronavirus effectively. Health experts recommend using a hand sanitiser that contains 60-95% alcohol against the the COVID-19 virus. In circumstances where washing hands with water and soap is not possible, use of alcohol-based hand sanitizer is a must. Since sanitizers are portable, they can be carried anywhere with us. Sanitizers also help prevent transmission of the disease from one person to another. Our college has taken initiative to manufacture sanitizers during the pandemic.

4. The Practice:

In the wake of COVID-19 pandemic, there was a dearth of hand sanitizers in initial stage. During that crisis, Department of Chemistry prepared hand sanitizers with available chemicals in the lab using isopropyl alcohol, glycerol, hydrogen peroxide and sterile distilled boil water. Faculty members have also taken initiative to distribute the hand sanitizers to neighbouring villagers in small bottles.

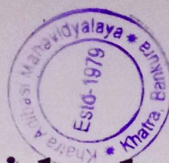


Co-ordinator
I.Q.A.C

Khatra Adibasi Mahavidyalaya



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5. Evidence of Success:

Residents of the adopted villages have become aware about the importance of using sanitizers during the pandemic. Counselling of the villagers by the faculty members has made them realize the deadly impact of the coronavirus disease. Faculty members have been successful to some extent to convince them about the use of sanitizers in preventing the transmission of the disease across villages.

6. Problems Encountered and Resources Required:

Making villagers realize the role of sanitizers in the new normal situation was not easy. They were not convinced that any substitute of washing hands with soap is possible.

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2. Manufacturing of Hand Sanitizers by Chemistry Department



Manufacturing of Hand Sanitizers by Chemistry Department & Distribution by NCC

Cadets

