

PREPARATION OF SANITIZER AT BULK LEVEL

During the global crisis arose due to COVID-19, it is the humble responsibility of each person to contribute towards maintaining good health. One of the solutions in this regard is to prepare sanitizer at a lesser cost.

In order to meet the requirement of sanitizer of the whole Institute, Chemical Engineering Department has started preparing the Sanitizer as per the guidelines in Mass Transfer Operations Lab.

Apart from essential chemicals required, we have added essential oil isolated from the leaves of Lemongrass in our lab. The oil has antimicrobial and anti-oxidant activities which further add value to the sanitizer.

The process was assessed first for 100 mL and 1 L. Upon successful results, sanitizer was prepared in bulk. Today (16/4/2020) 40 L sanitizer was prepared. In coming days, it will be prepared in more quantity since it exhaustively used in Hostels, Departments/sections, Resident quarters and Security gates/locations where human activities are observed.

Faculty and Students details who are involved in this Activity

Dr. Jigisha K. Parikh, Professor, Chemical Engineering Department

Dr. Meghal A. Desai, Associate Professor, Chemical Engineering Department

Dr. Sanjay R. Patel, Associate Professor, Chemical Engineering Department

Mr. Vishal, JRF and PhD Scholar

Mr. Rushikesh, PhD Scholar

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Sanitizer in different packing (100 mL, 500 mL, 5 L)



Prof. S. R. Gandhi, Director, SVNIT with Team working for preparation of sanitizer