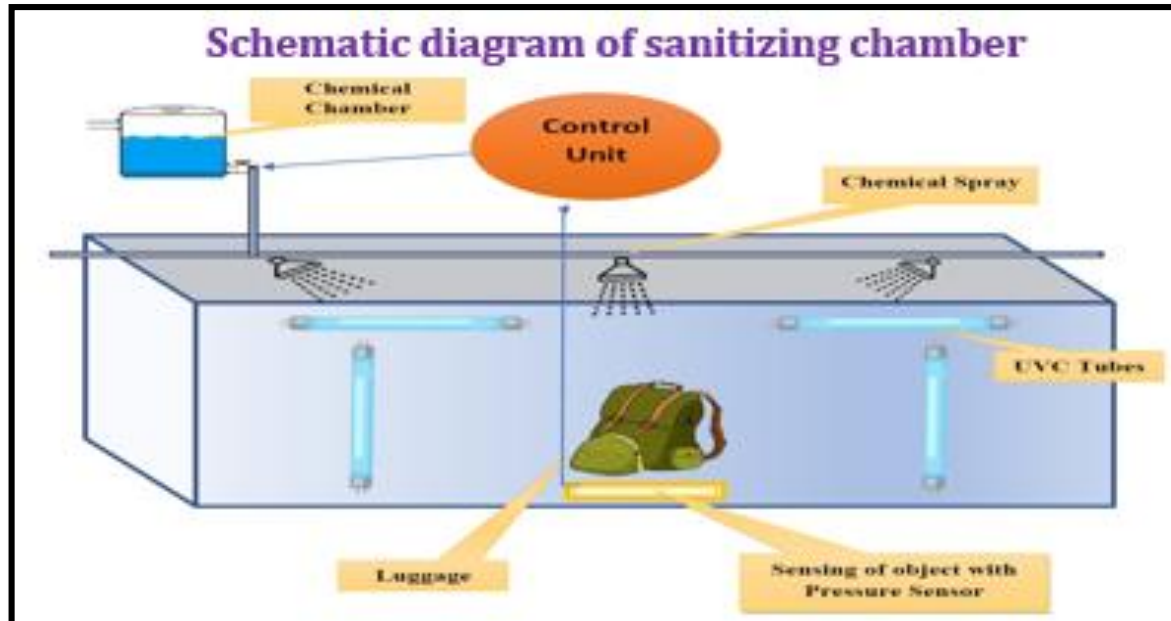


Development of Chemically Enhanced UV Sanitizing Chamber

Objective: To develop and fabricate efficient and quick disinfection chamber using chemical in combination with UVC light

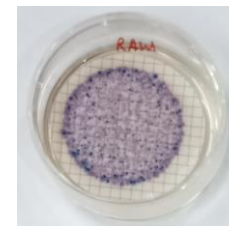
Work done: Dosing of chemical and duration of UVC irradiation has been optimized and fabrication is under process



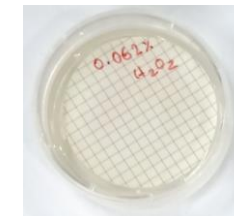
Experimental Results:



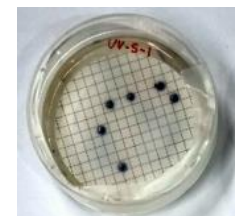
Test on *E. Coli*



E. Coli colony (without Treatment)



E. Coli colony (UV-Chemical: 2.5 min)



E. Coli colony (Direct UV: 5 min)

In UV-chemical treatment, *E. Coli* was killed within 2.5 min; whereas direct UV took around 15 min.