Project Report

The aim of the project was to conceptualize an idea for solar dryer tray which would be economical and satisfy food grade standard among other requirements. After deciding which material to use for the design and after going through the decision matrices, we agreed on the following design.

The entire tray would be made of wood with finishing of any organic laxative that meets food standards, such as beeswax mixed with oil. One end of the frame of the tray would be left open to allow access of food materials and for ease of cleaning. The perforations in the wooden board are circular in shape for the air flow to be optimum and for the maintenance to be less time consuming. Food particles would not get caught in these perforations because there aren't any corners in the holes. We believe that this simple, yet efficient, design can greatly benefit the HESE group with their solar dryer.