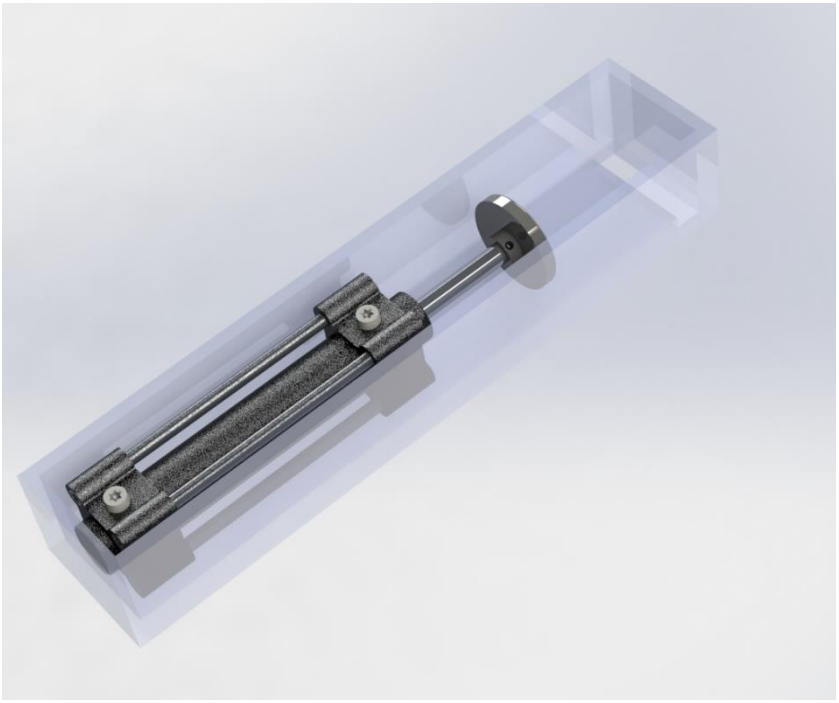
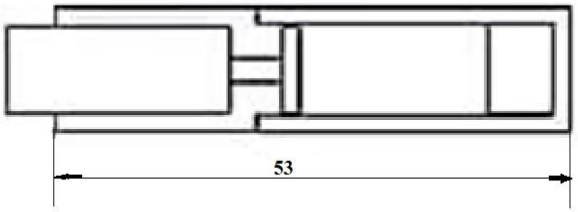
FABRICATION AND ANALYSIS OF TIN CAN CRUSHER

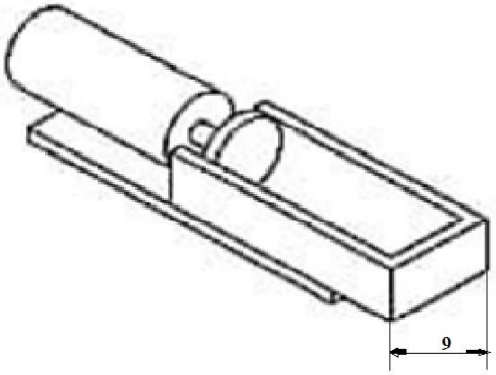
DESIGN OF TIN CAN CRUSHER



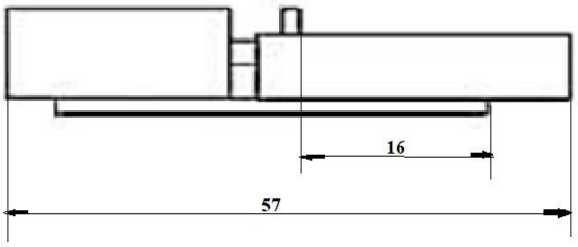
1.RENDERED IMAGE OF TIN CAN CRUSHER.



TOP VIEW



ISOMETRIC VIEW

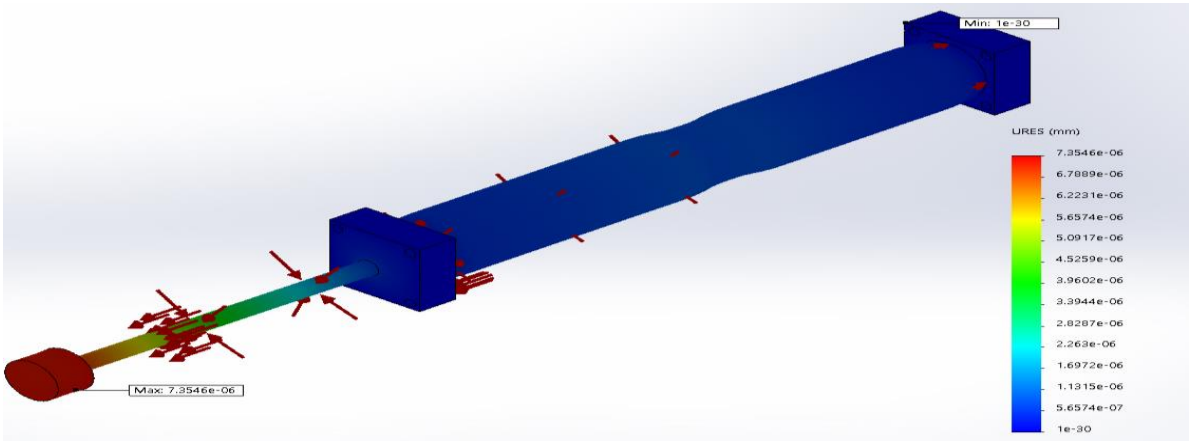


FRONT VIEW

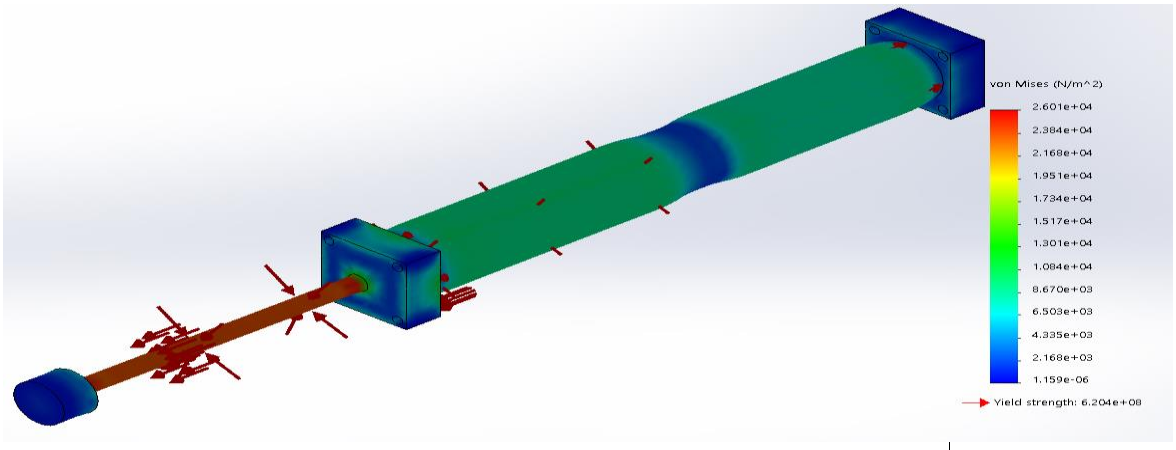
ALL DIMENSIONS ARE IN cm

2.DETAILED DRAWING OF TIN CAN CRUSHER.

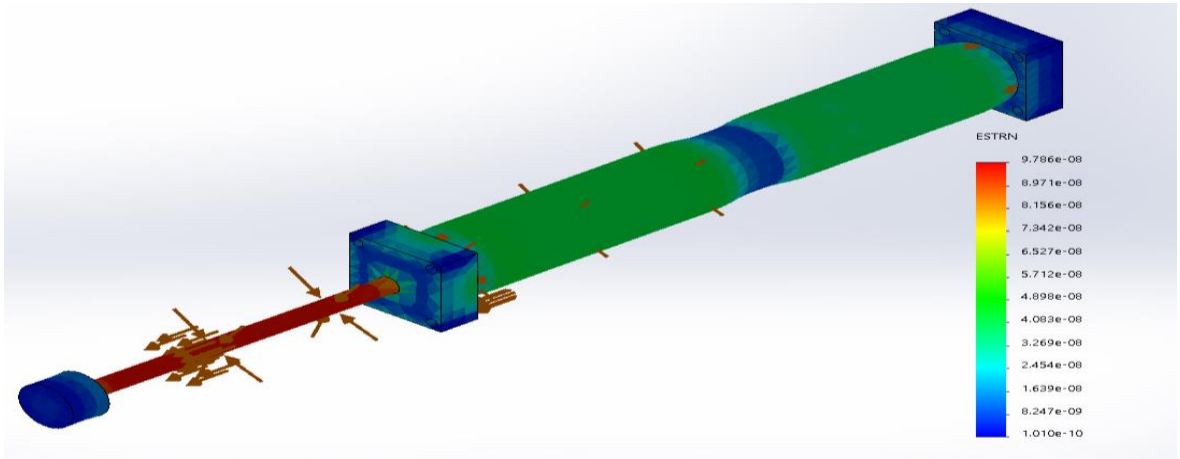
ANALYSIS OF TIN CAN CRUSHER



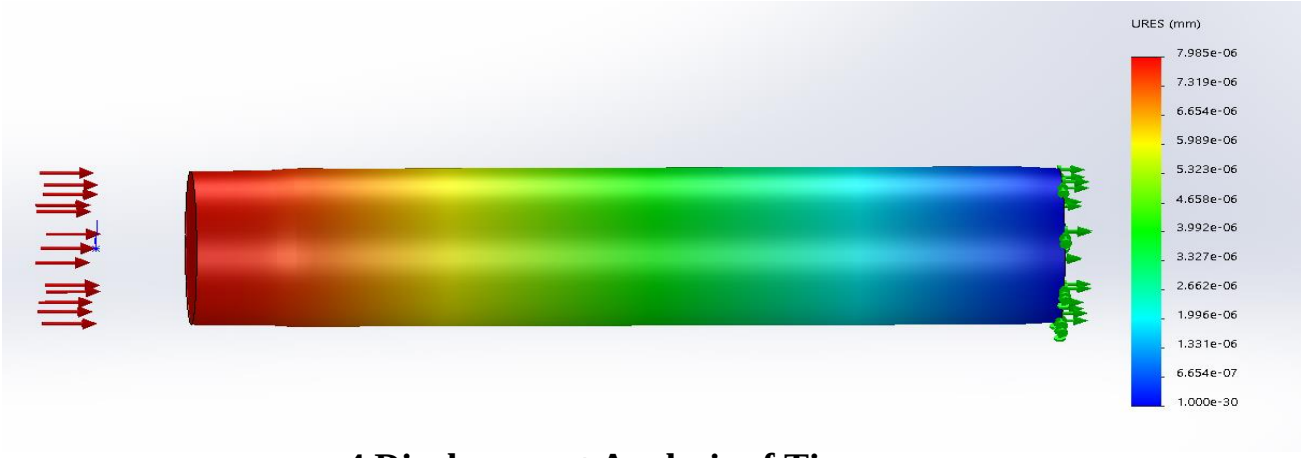
1.Displacement Analysis of Pneumatic Cyclinder.



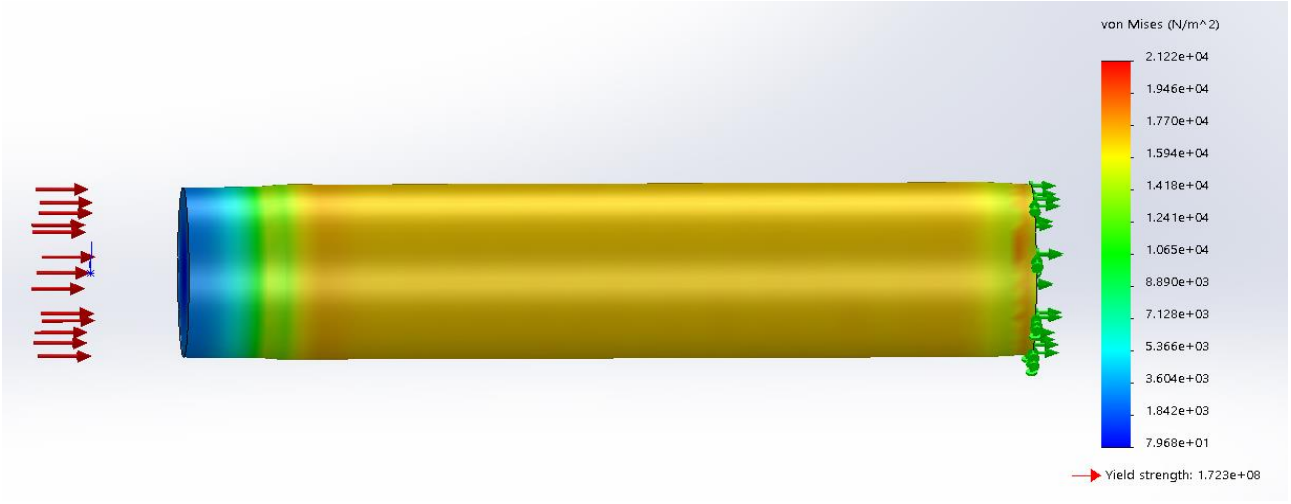
2.Stress Analysis of Pneumatic Cyclinder.



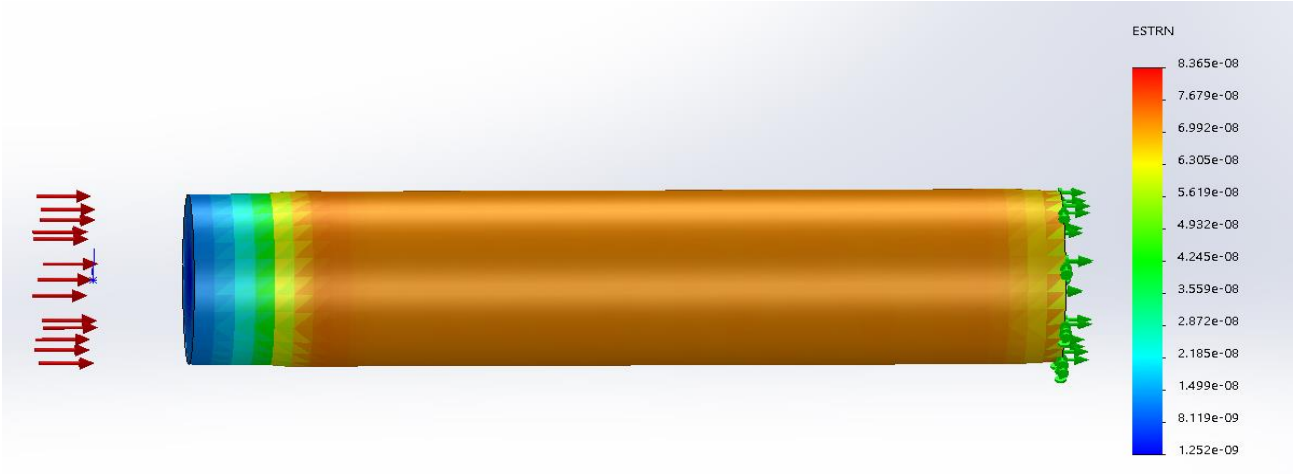
3.Strain Analysis of Pneumatic Cyclinder.



4.Displacement Analysis of Tin can.



5.Stress Analysis of Tin can.



6.Strain Analysis of Tin can.

The study of manufacturing was very important to carry out this project to ensure that students understand what is needed to do. Recycling is a wonderful way to help the environment, even if you think otherwise when you're hauling big, bulky bags crammed with empty cans to the curb. In today's times, most of the food items available in the market are canned. Cold drinks and other beverages are also packed in cans. Commercial establishments like cafeterias and bars, have to deal with these empty or leftover cans. Storage is often a problem as these cans consume too much space, thereby increasing the total volume of the trash. As canned beverages and foods are frequently consumed even in homes, these cans can take up a lot of storage space. All these storage problems can be conveniently avoided by using a Can Crushing Machine. As crushed cans occupy less space, you can easily keep more cans in a bag, once they are properly crushed. One device that will make our life easier, and our recycling haul much more compact, is the Can Crushing Machine. This project is about designing and fabricating the Recycle Bin Tin Can Crusher to help people easy to crush the tin and bring it anywhere. This project involves the process of designing the crusher using considering forces and ergonomic factors for people to use. After the design has complete, it was transformed into its real product where the design is used for guidelines. These projects also require ensuring the safety for indeed of publishing. Methods and processes involved in this project for instance joining using Bending, Welding, Drilling Grinding, and Cutting process. This project is mainly about generating a new concept of tin can crusher that would make it easier to bring anywhere and easier to crush the tin. After all, processes had been done, this crusher may help us to understand the fabrication and designing process that involve in this project.