

Manufacturing Bird feeder using sheet metal

This project was the induction task for the CAE to induct the new club members. In this we had to design a bird feeder in any 3d modelling software. Top five designs were chosen and their designers were inducted into the club. After the induction, among those five designs, one was chosen to be manufactured as the bird feeder for the campus. My design was chosen for this purpose and then we had to manufacture 7 bird feeders from that design using sheet metal. The steps were as follows:

1. Create a 3d model using Autodesk Fusion 360 software.
2. Create 2d drawings for measurements and planning for working on sheet metal.
3. Create drawing which will act as templates for cutting and bending the metal.
4. Cut sheet metals into appropriate shape using manual and electric cutters.
5. Fold sheet metals using hammers and other power tools.
6. Finish the product by joining all the folds by bolts and spot welding.

Here are some photos of the project.

