A1: Sheet to form Box out of a single sheet

Task A1.1
Create a cube box with a lid which can be opened and closed.
The height, width and depth of the box must be 50 mm precisely.
The flaps created in the development of the box should be tapered.
You can use double sided red tape to hold the box together.
The development of the box should be from a single sheet.

Task A1.2
Create a similar box as mentioned above but make sure this one is a self-locking (glue less) cube box of 50 mm side. The development of the box should be from a single sheet.

Task A1.3
Create a similar box as mentioned above, this one with an inclined surface. The inclined surface should be accommodated within the 50 mm dimension and not achieved by increasing the dimension of the box. The development of the box should be from a single sheet.

Task A1.4
Create a similar box as mentioned above, but with one truncated corner. The development of the box should be from a single sheet. You can use glue to create this box, but self locking is desired.

Task A1.5
Create a perforated box to accommodate a standard tea light candle. Visualize it to be a lamp when the candle is lit so that the perforations create a play of light and shadows either on the floor on which it is kept or on the wall where shadows are cast. Create explorations and iterate to celebrate this festive ambience. Finally convert your design into a vector artwork so it can be ready to be cut by laser. Final design can be laser cut at Laser cutting studio/ service.

Note: Requirements of a print ready file
DXF is the preferred file format (AutoCAD)
Adobe illustrator also exports a DXF
Make sure that the candle does not burn the paper

Task A1.6: Challenge yourself
Create a multicolored cube box of 50 mm sides using two papers.
Do not stick the papers but interlock them to create this box.

Course:
DE 669
Packaging and Label Design
Day 01

Paper to be used:
For tasks A1.1 to A1.5
GSM: 270, colour: Brown
For task A1.6
GSM: 270, colour: Multi-coloured

GSM is an acronym standing for 'Grams per Square Meter'. It enables print buyers and print suppliers to know exactly about the quality of paper that is being ordered. The higher the GSM number, the heavier the paper.

Punch Mark