

W
A
A
K
H
A
L



DESIGN PROCESS

Identifying Problem- During the pandemic, when everything was made online, including education, it affected a large number of pupils in many ways. However, the most prevalent issue was encountered by lower and middle-class families. The family who does not have enough space for a bed or cannot afford more than one piece of furniture were not able to provide their children with a healthy and comfortable environment in which they can study and work which took a toll on their **QUALITY EDUCATION**



Idea -Providing affordable utility for better working & studying conditions for online medium.

Primary Research-

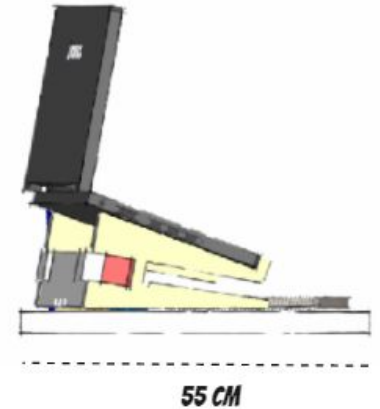
A thorough research on spaces and ergonomic study of table for better Understanding of space required for the solution I as a designer is aiming for.

REQUIRED SPACE - LENGTH-
100 CM
WIDTH-
55 CM

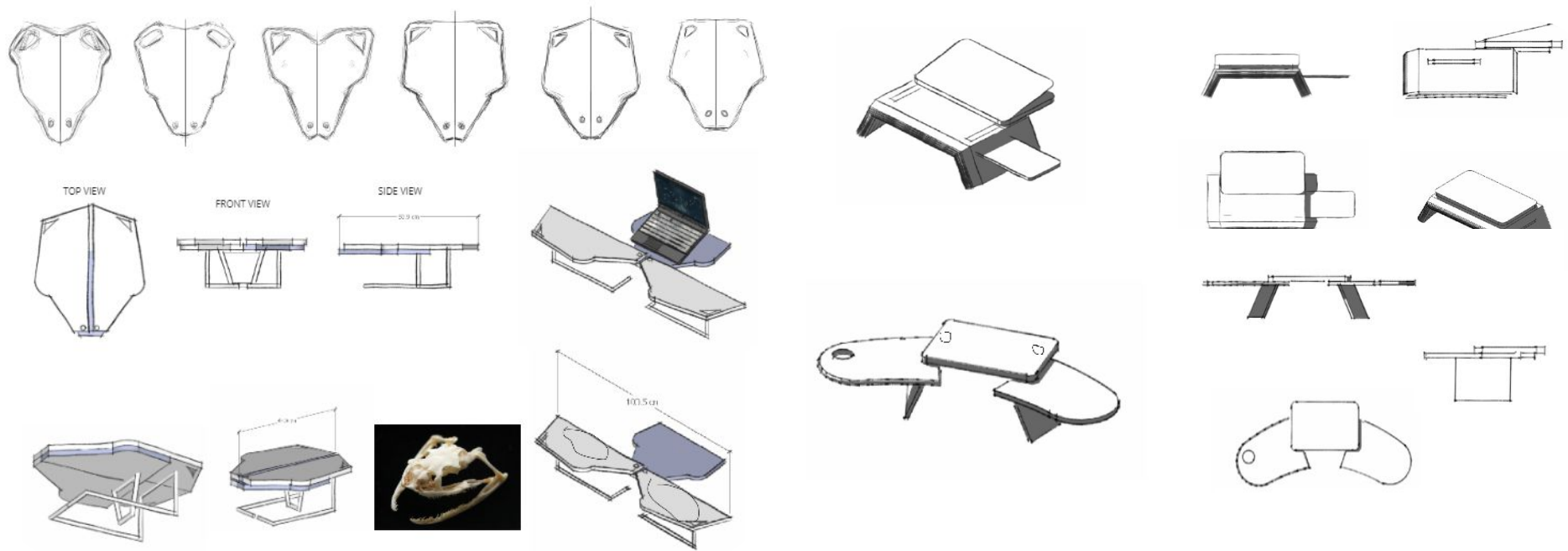
1.ACTIVITY- WHILE DOING CLASSES
2.OBJECTS USED DURING THAT PERIOD -LAPTOP,STAND, PENCIL BOX OR STAND, 100 CMNOTEBOOKS,WATER BOTTLE



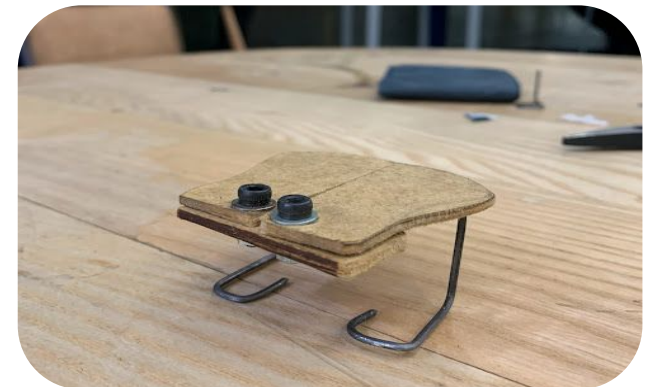
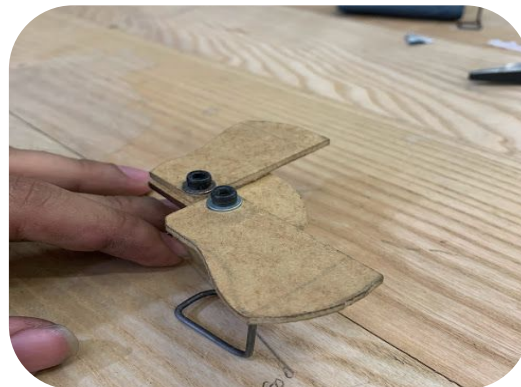
ACTUAL SPACE NEEDED FOR THE ACTIVITY



SKETCHES



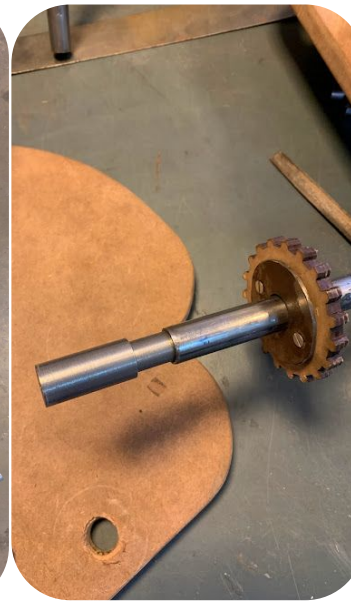
MAKING SMALL SCALES MODELS



MAKING OF THE TOP PART



MAKING OF THE LEGS AND GEAR



JOINERY DETAILS

"PROTOTYPING PROCESS PHOTOS"



SOLUTION:

WAAKHAL

A STUDY TABLE INSPIRED BY MANIPURI CULTURE

Problem Area- Quality education(Providing affordable utility for better working & studying conditions for online medium.)

VISUAL AESTHETIC AND FORM INSPIRATION

The furniture is inspired by the aspect of sitting on the floor in manipuri(meitie) culture and it blends in the contemporary style. The form is followed by the shape of **PHIRUK** (a cultural basket used by the meitei community).



ZIVELI



PHIRUK

MATERIALS

MATERIALS USED:

-MS PIPE - 19MM DIA,MDF BOARD - 20MM

FINISHES:

-PAINT

PROCESS:

-PIPE BENDING,WIELDING,THREADING

MACHINE USED-MANUAL LATHE MACHINE. JIGSAW,GRINDER

ABOUT WAAKHAL

The **WAAKHAL** is designed for the students who are studying or working from home,the design helps them to have their own workspace where they have the freedom to use it for their own needs . The topology is inspired from **MEITEI** community where they sit on the ground for doing most of their chores which has lots of health benefits. It has built in mechanism which allows the user to open it easily.



FINAL OUTPUT



UNFOLDED ELEVATION

HALF FOLDED ELEVATION



FOLDED ELEVATION



**THE TABLE
PROVIDES THE USER
TO SIT IN A VERY
COMFORTABLE AND
ERGONOMIC
POSITION THUS
IMPROVING HEALTH**



A FLAT LARGE SPACE FOR IS PROVIDED ON THE TABLE TO PROVIDE ENOUGH SPACE FOR ANY USE BY THE USER.

VENTILATION IS PROVIDED TO PROVIDE THE AIRFLOW OF THE FAN UNDER THE LAPTOP .

THE LEGS ARE DESIGNED IN A CURVED POSITION TO PROVIDE COMFORTABLE AND ENOUGH SPACE FOR THE USER WHEN THEY SIT AND NOT OBSTRUCT THEIR KNEES





**EXTRA SPACE IS
ALSO KEPT
TO SUPPORT
ARMS WHEN
USER USES
PHONE OR
LAPTOP**

**SLITS ARE ALSO
PROVIDED TO
KEEP
PHONES &
TABLETS**