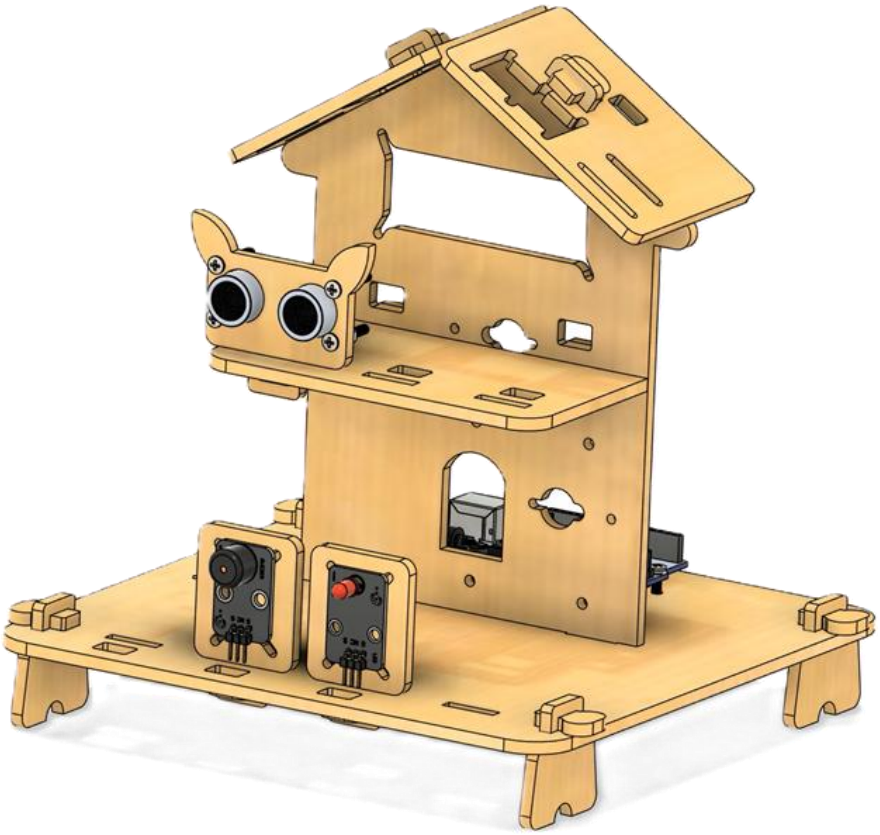
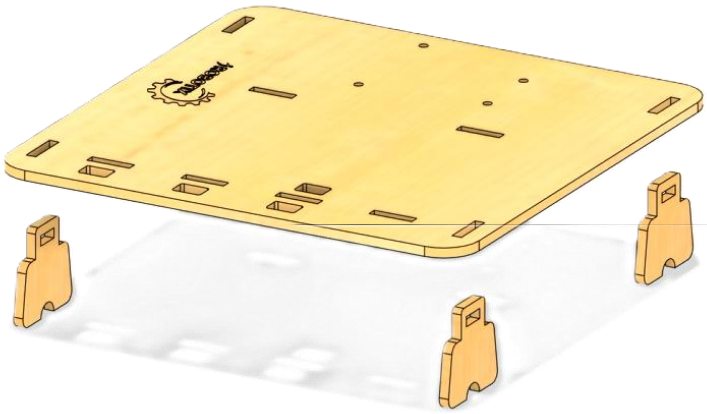
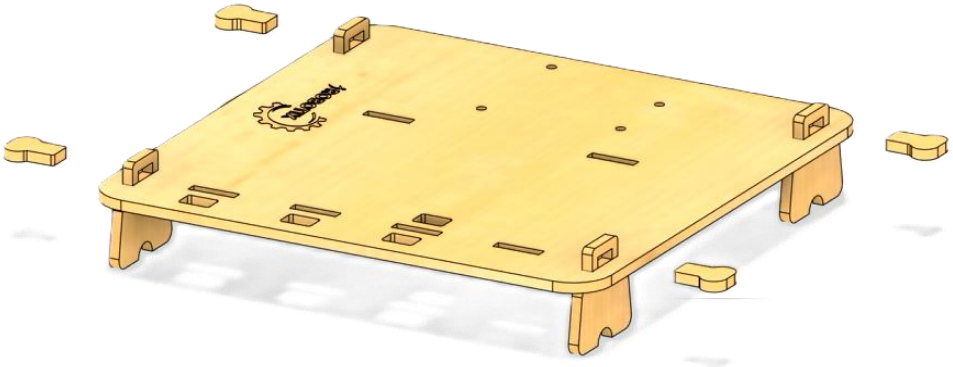
Intruder Alarm Detector



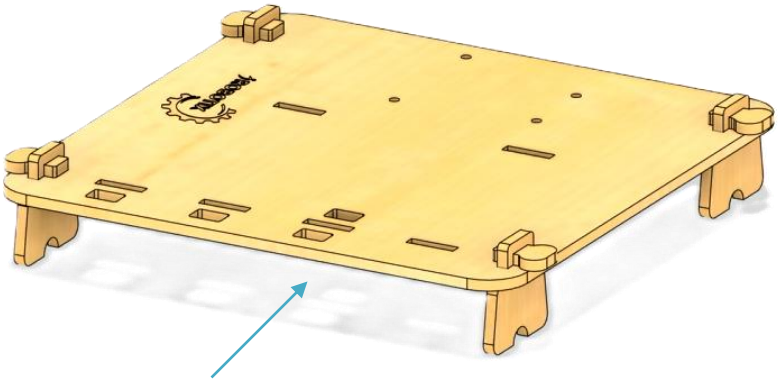
Step 1:Installation of Base



Inserting Frame Board

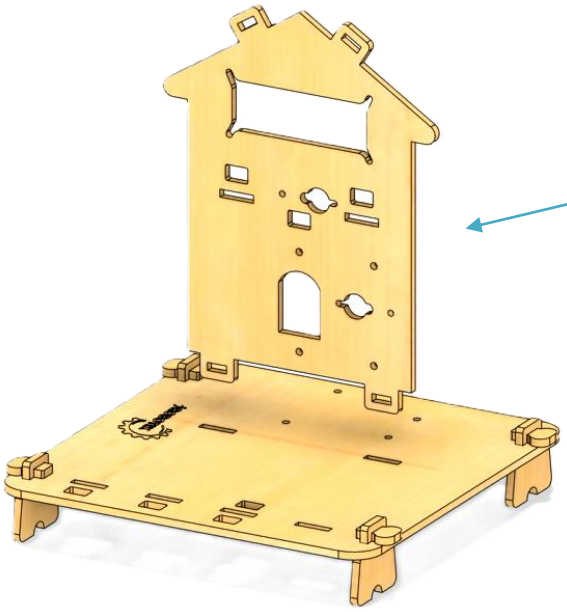


Inserting Plug

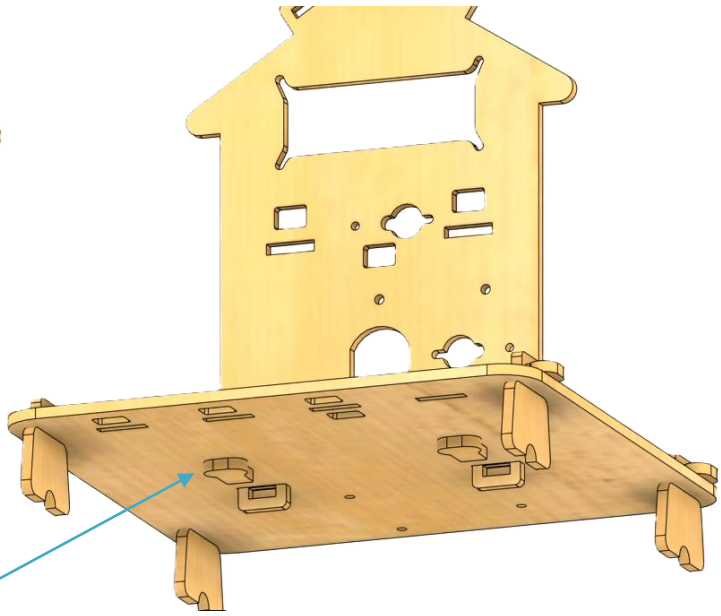


After Inserting Frame Board and Plug

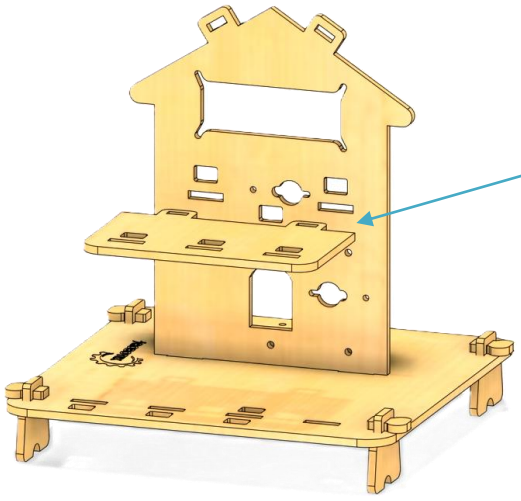
Step 2:Installation of Home Board



Inserting Home Plate

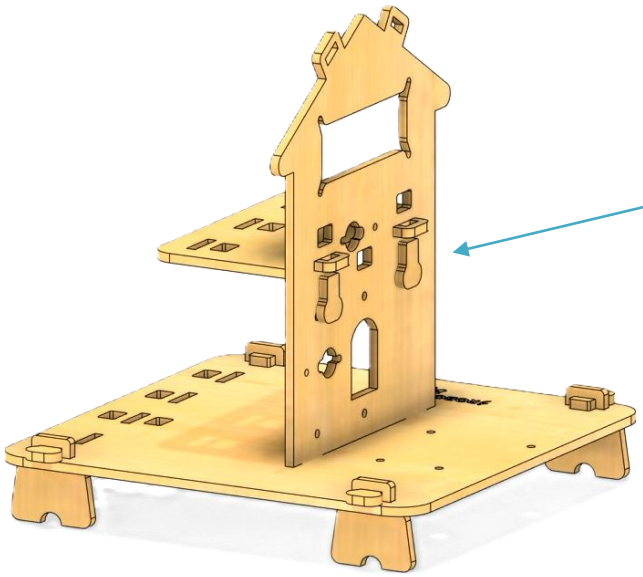


Inserting Plug

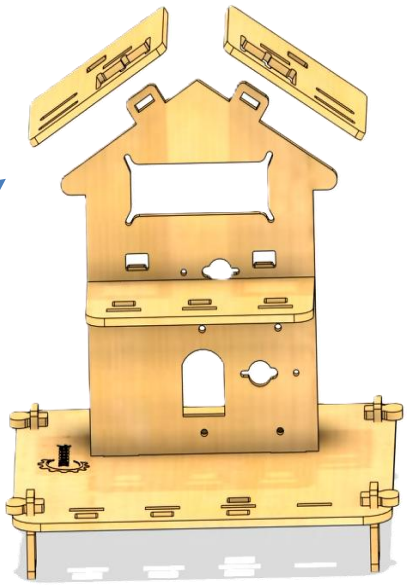


Inserting laser-cut wooden

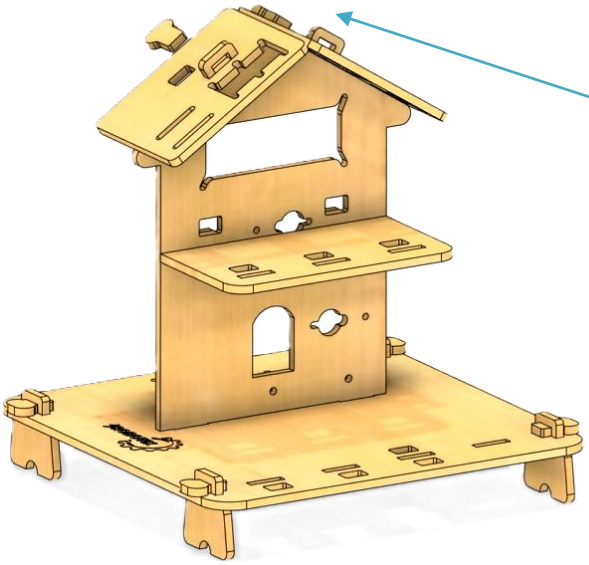
Installation of Home Board



Inserting Plug

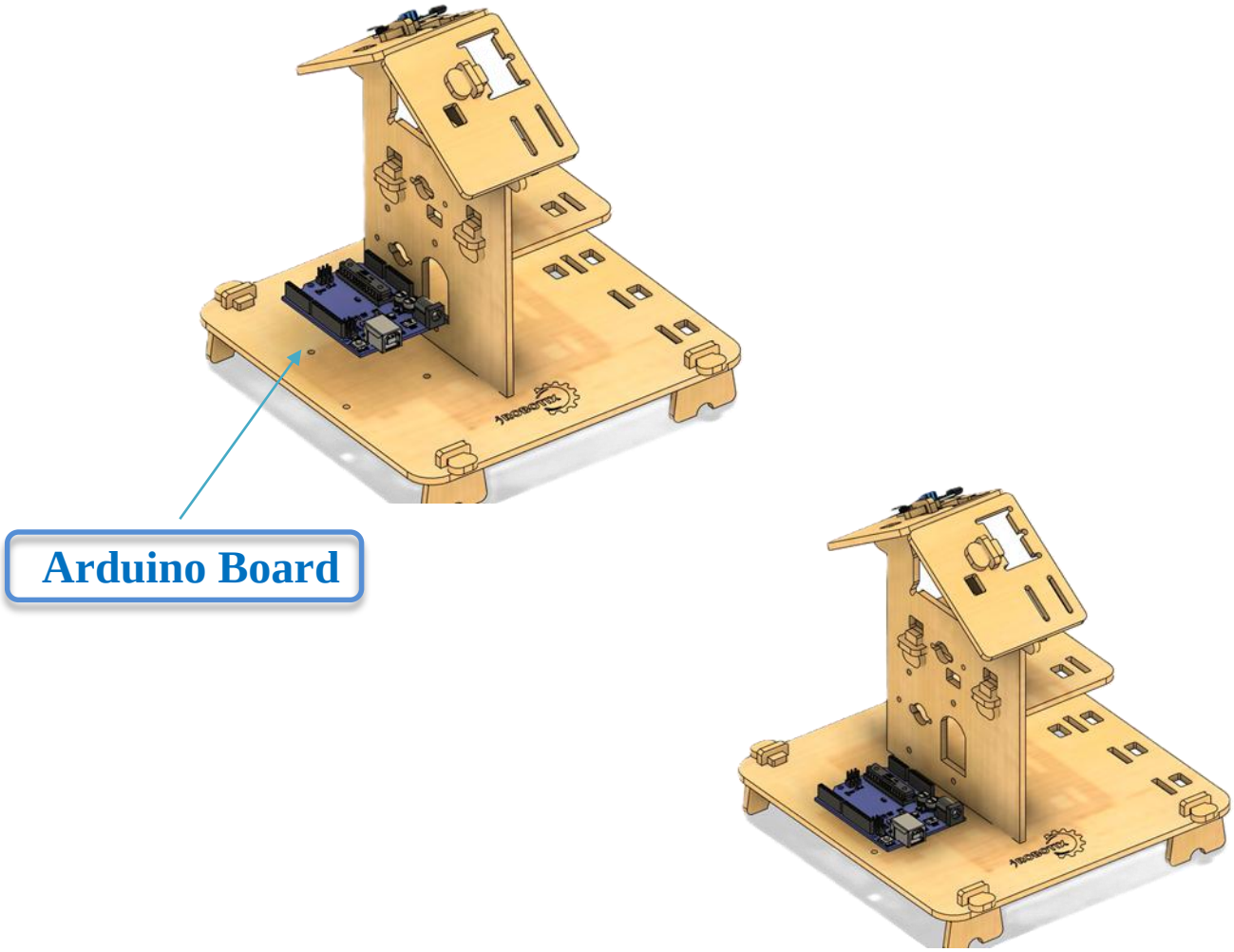


Inserting Top roof



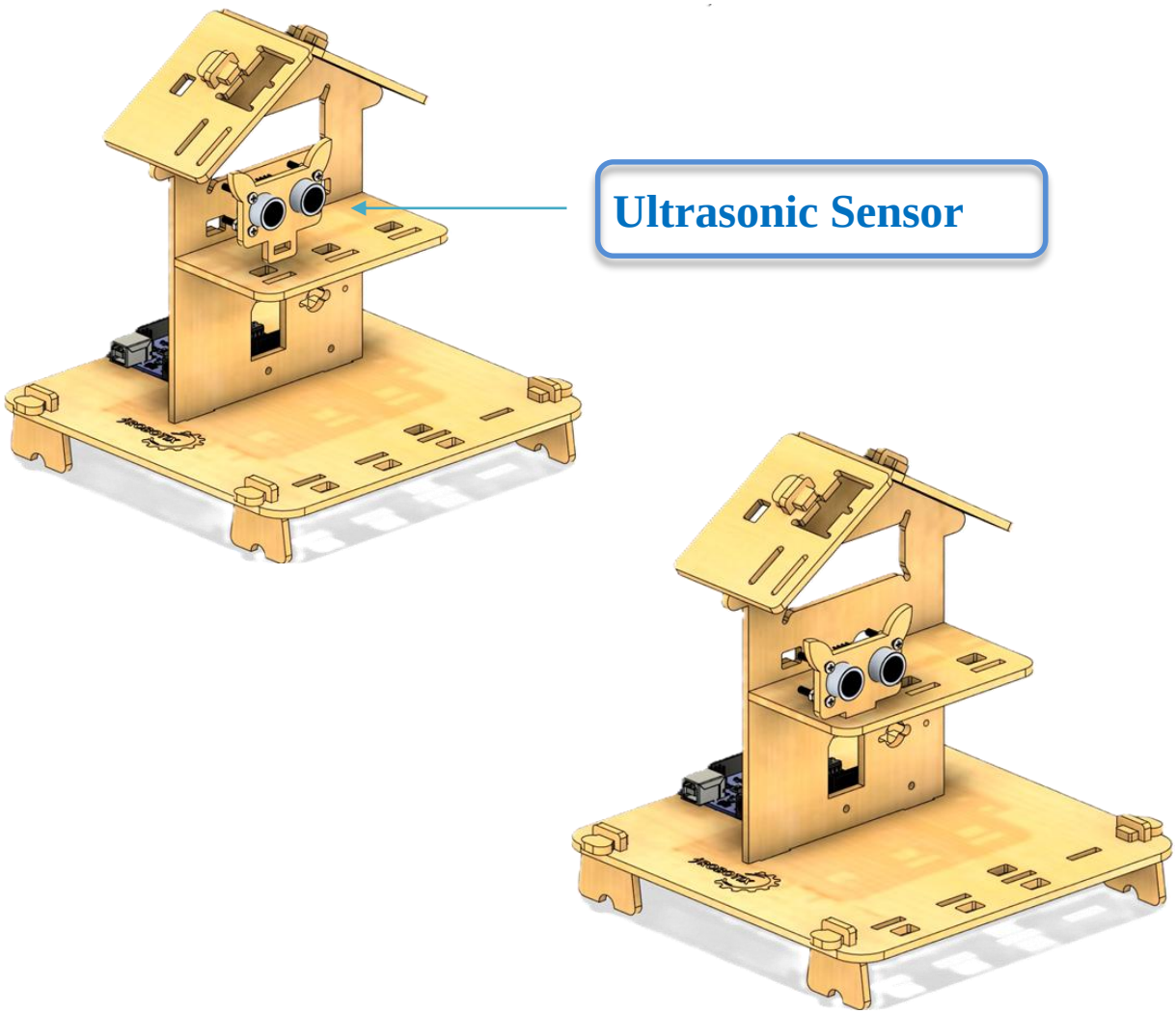
Inserting Plug

Step 3: Placing the Arduino Board



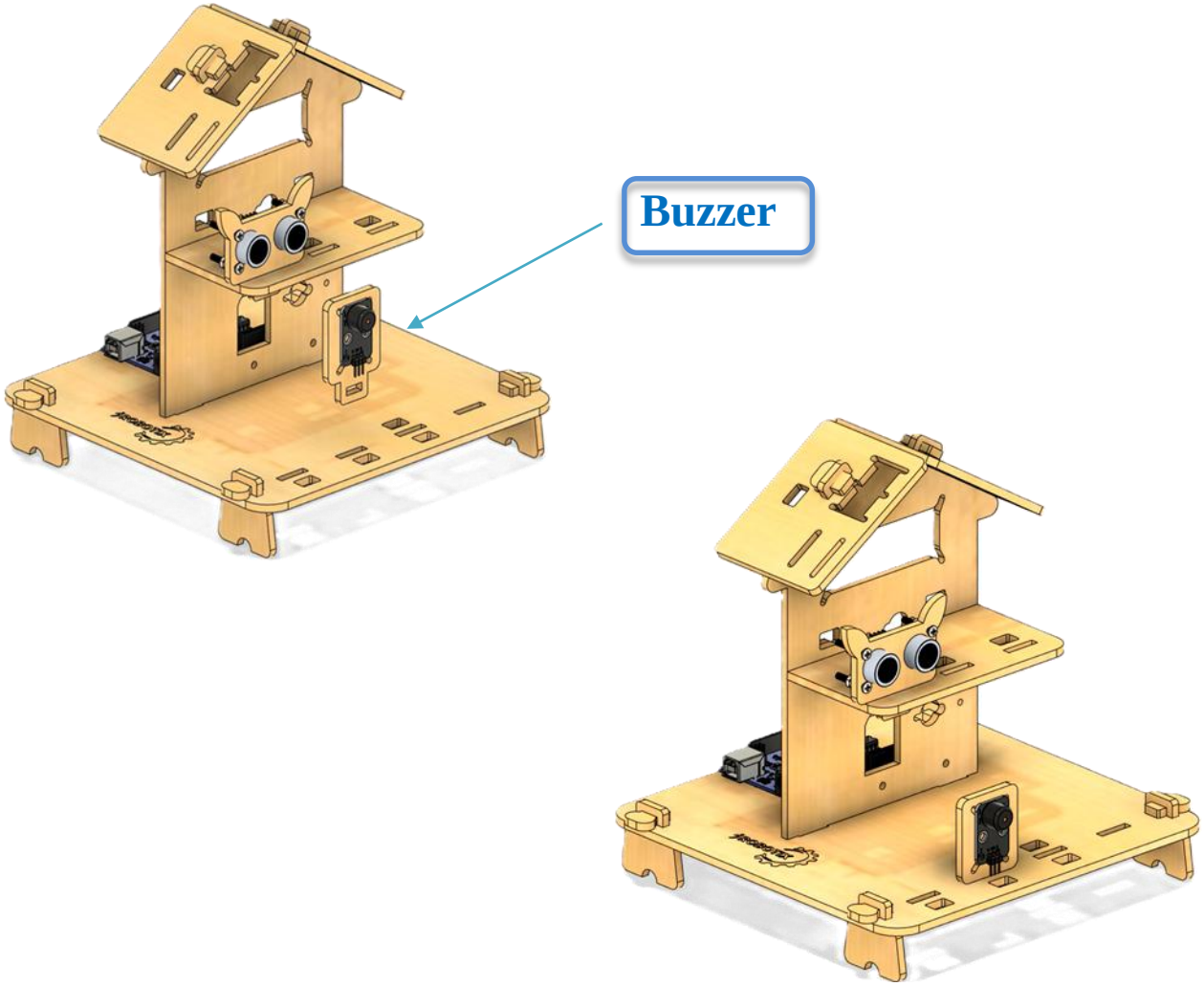
Note: First, place the Arduino Uno board on the designated base platform inside the structure, aligning its mounting holes with the pre-cut slots or standoffs. Secure the board using screws, spacers, or zip ties to prevent movement and avoid direct contact with the wooden surface.

Step 4:Placing Ultrasonic Sensor



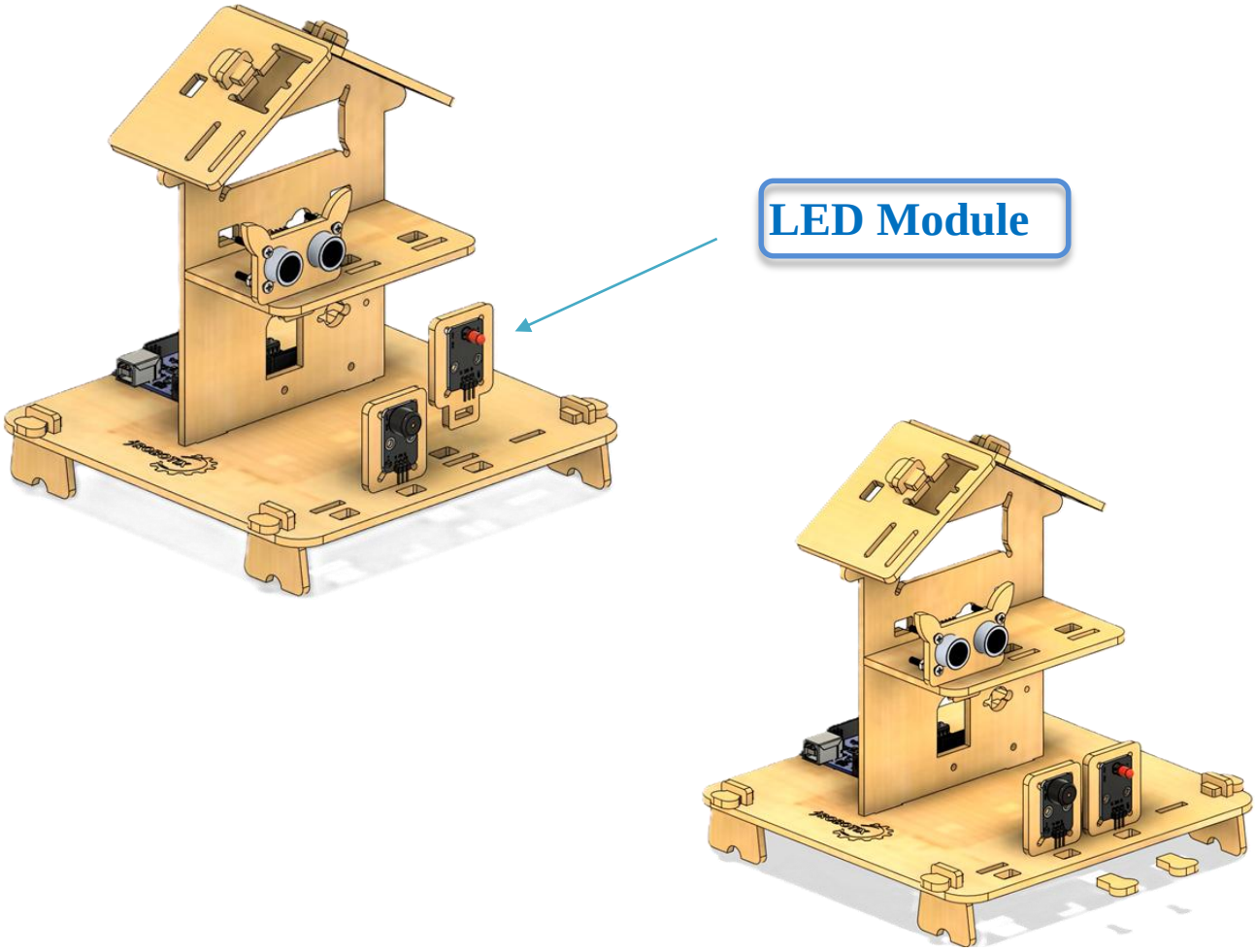
Note: The ultrasonic sensor is installed by mounting it securely on the project base with its two circular sensors facing the object to be detected.

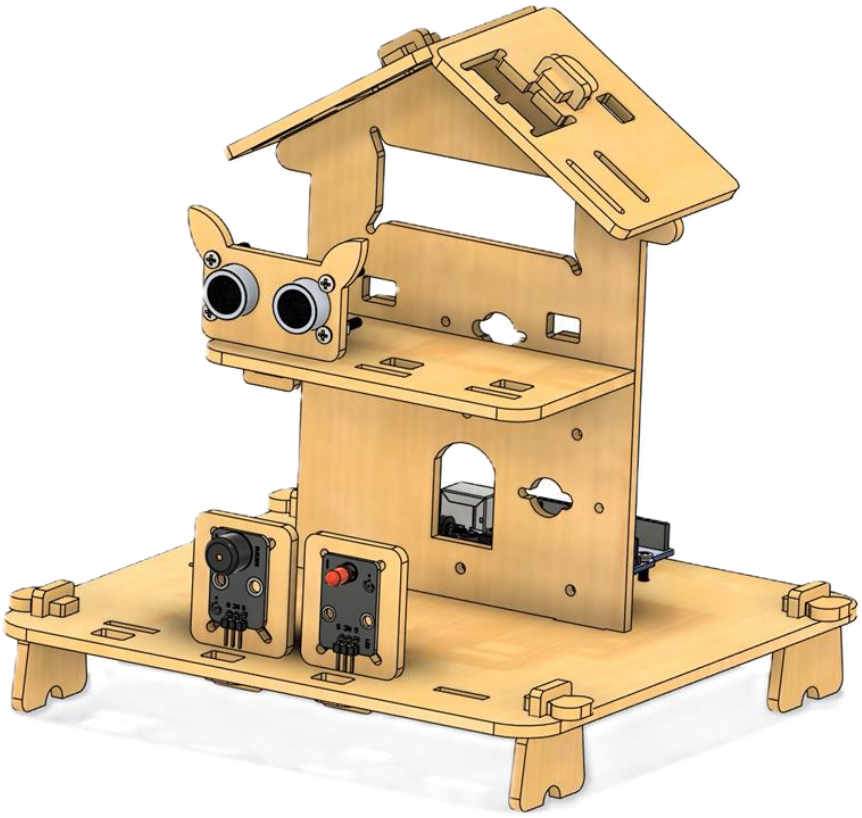
Step 4:Placing the Buzzer



Note: The buzzer is installed by first locating its mounting position on the front side of the base plate near the house structure, as shown in the image.

Step 6:Placing the LED Module



Note: First, place the LED module into the designated slot or mounting hole on the wooden panel so that the LED faces outward and is clearly visible.

Final Output Image