

## 1.1.2

The screenshot shows the CodeTantra IDE interface. The title bar says "CODETANTRA Home". The top right shows the user "antara.mangle.batch2025@sitnagpur.siu.edu.in" and options like "Support" and "Logout". The main area has a title "1.1.2. Area of Rectangle". It contains instructions: "Write a Python program to calculate the area of a rectangle given its length and width." A formula "Area of Rectangle = Length × Width" is provided. Below it, there are two sections: "Input Format" and "Output Format". "Input Format" specifies that the first line should contain a float value for length and the second line for width. "Output Format" specifies printing the area as a float with 2 decimal places. The code editor shows the following Python code:

```
1 l=float(input())
2 w=float(input())
3 a = l * w
4 print(f"{a:.2f}")
```

The code is run and the results are shown in the "Test cases" section. It shows two test cases: Test case 1 (Expected output: 10.5, 5.2, 54.60; Actual output: 10.5, 5.2, 54.60) and Test case 2 (Expected output: 10 ms; Actual output: 10 ms). The overall status is "5 out of 5 shown test case(s) passed" and "5 out of 5 hidden test case(s) passed".

## Algorithm

Step 1: Start

Step 2: Read length and breadth

Step 3: Calculate the area:  $\text{Area} = \text{Length} * \text{Breadth}$

Step 4: Display the Result

Step 5: End

# Flowchart

