

3.1.2

The screenshot shows the CodeTantra IDE interface. The title bar says "CODETANTRA Home". The top right shows the user's email "antara.mangle.batch2025@sitnagpur.siu.edu.in" and options for "Support" and "Logout". The main area has a dark theme with a light sidebar. On the left, there's a sidebar with sections for "3.1.2. Celsius to Fahrenheit", "Formula", "Input Format", and "Output Format". The formula is given as $F = (C * 9/5) + 32$. The code editor window has tabs for "temperat..." and "Explorer". The code itself is:

```
1 celsius = float(input())
2 fahrenheit = (celsius*9/5)+32
3 print(f"{fahrenheit:.2f}")
4
```

Below the code editor, performance metrics are shown: Average time 0.012 s, Maximum time 0.016 s, and 11.63 ms. It also displays "4 out of 4 shown test case(s) passed" and "4 out of 4 hidden test case(s) passed". The test cases table shows three successful test cases with expected output 32.00 and actual output 32.00. At the bottom, there are buttons for "Prev", "Reset", "Submit", and "Next".

Algorithm

Step 1: Start

Step 2: Read temperature in Celsius (C)

Step 3: Calculate Fahrenheit using

$$F = (C * 9/5) + 32$$

Step 4: Display temperature in Fahrenheit (F)

Step 5: End

Flowchart

