Compile Result

```
Enter the number of elements : 5

Input the array elements : 1
2
3
4
5

The second smallest element is 2

[Process completed - press Enter]
```

Algorithm

Step 1: Start

Step 2: Declare int n, i, arr[n];

Step 3: Read the values using for loop

Step 4: Condition for Invalid Input

4.1 If min = INT_MAX
int second_min = INT_MAX

if(n<2)
{ print ("Invalid Input")
}

Step 5: Condition for first min

5.1 for(i=0; i<n; i++)
{ if (arr[i]<min)
{ second_min = min;
min = arr[i];
}
}

Step 6: Condition for second min

6.1 for(i=0; i<n; i++)
{ if (arr[i]<second_min && arr[i]!=min)
{ second_min = arr[i];
}

Step 7: Print result

Step 8: Stop

Flowchart