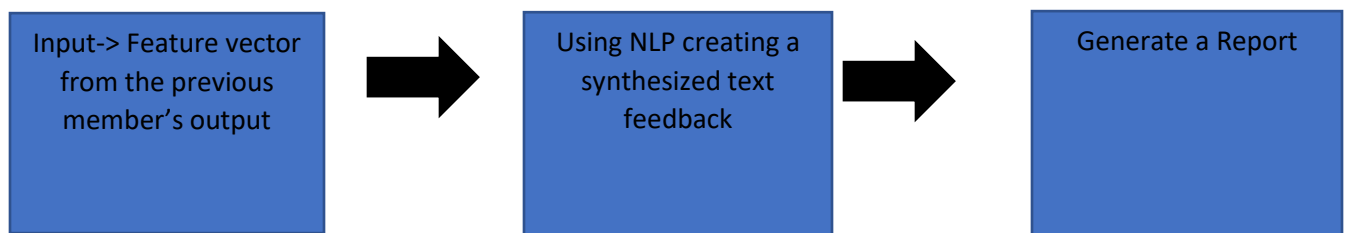# Requirements for Feedback Component

Input- Feature vector coming from the previous member's output

Output- Synthesized text feedback along with the report generation

The student should be able to read the feedback in a way that student can identify which places went wrong in the answer sheet. The system should show the wrong lines in a highlighted color format(Red). And the feedback should generate by pointing the places that went wrong.

Finally, the system should generate a report of the feedback.

The synthesized text feedback should show the places of the code line by line the errors highlighted and the reason of getting it wrong in front of that line as given in the Example 2 as a feedback

Example: Missing variables ,Missing methods, Keywords ,Missing Control Structures etc

Project Specification.pdf   **The pdf is just to get the available components as variables, methods….**

The correct answer sheets

```java
public class AddTwoNumbers {

    public static void main(String[] args) {

        int num1 = 5, num2 = 15, sum;
        sum = num1 + num2;

        System.out.println("Sum of these numbers: "+sum);
```

```
        }
}
```

Student answer sheet with feedback

(This is an example as how it should show in the feedback component interface)

```java
public class AddTwoNumbers {

    public static void main(String[] args) {

        num1 = 5, num2 = 15, sum;
        sum = num1 + num2;

        System.out.println("Sum of these numbers: "+sum);
    }
}
```

The UI just to get an idea