

## **TCS ION**

### **RIO-210: Automate Identification of Semantics Errors for Enabling Errorless Proof Reading**

#### **Project Objective and Brief**

To develop machine learning algorithms with an aim to first detect the grammatical errors and contextual errors from a given sentence or paragraph and then recognize the same.

#### **Project Guidelines**

1. Prepare or collect a reasonable set of sample sentences and paragraphs with grammatical and contextual errors.
2. Some examples of contextual errors are conjunction errors, punctuation errors, subject-verb errors, etc., in a sentence or paragraph.
3. Develop a machine learning or deep learning algorithm for detection and recognition of grammatical mistakes from a sentence or paragraph.
4. Enhance the previous algorithm with the capability of detection and recognition of contextual errors from a sentence or paragraph.
5. Test the application for reasonable accuracy.