**Computer Science Engineering Department**

**Project Title:**  Faculty Assistant

**Project Owners**:

1. Raghav Gupta

2. Umang Bhan

3. Vastvik Upadhaya

4. Samarkant Bhasin

5. Sahil Singh

**Abstract of Project:** During this covid-19 period, the education department has suffered a lot as all the schools and colleges were closed due to the fear of the pandemic. But education is a necessary part of our life, henceforth some way has to be found to tackle the problem. The best way of tackling the problem is using the online classes for teaching and google classroom etc., as a way for assignments. However, not all the teachers are equipped with the knowledge of dealing with the online stuff. Also, there is a possibility of forgetting to upload assignments on time download assignment on time. Apart from this, there is another problem of plagiarism that is too much for one teacher to handle. So, to solve this problem we have designed an RPA bot that will act as a faculty assistant to teachers.

* Major Objectives:

1. Scheduled upload of content from faculty folder to Google Classroom or any other LMS.
2. Download student assignments from Google Classroom or any other LMS.
3. Copies text from assignments and pastes in plagiarism checker.
4. Collates plagiarism reports for each assignment.
5. Prepares details of students who have submitted assignments and who have not.
6. Calculate grades by totalling marks across tests and assignments etc.
7. Update student records in ERP.

* Technology Used:

1.Uipath

2.MS-Excel

* Outcome of Project:

The outcome of the project is a bot that completes all the above-mentioned objectives in scheduled and hassle manner.

**Platform/Language Used:**

The platform used in this project is UIpath for Robotic Process Automation.

**Technology Domain:**

The technology domain of this project is Robotic Process Automation.

**Comparative analysis of Existing Systems:**

There is no Existing System like this.

**Basic & Innovative Features in Project:**

* Features:

1. Scheduled upload of content.

2. Download student assignments.

3. Collates plagiarism reports for each assignment.

4. Calculate grades.

5. Update student records.

6. Chat Bot for assistance

* **Tasks:**

**ROLE: BOT CREATION**

-Umang

-Raghav

-Vastvik

-Sahil

-Samar

**References:**

1. https://academy.uipath.com
2. <https://www.youtube.com/watch?v=kVtgA_PQ5R4>
3. https://en.wikipedia.org/wiki/Robotic\_process\_automation