

Automated Assignment Deadline Tracker and Reminder System

University students juggle multiple modules, each with its distinct set of assignments, quizzes, and exams. Tracking these deadlines across different platforms or email announcements can be cumbersome, leading to missed submissions and stressed students.

The objective of this project is to leverage RPA and UiPath to develop an automation that consolidates assignment deadlines from various platforms (like eFundi announcements, eFundi calendars, Project Briefs, etc.) and creates a unified deadline tracker. Additionally, this solution should send reminders to students ahead of their deadlines.

Tasks

- Data Extraction:
 - o Identify the sources of assignment deadlines (for example: eFundi announcements, emails, PDFs uploaded onto eFundi, study guides, academic yearbook, etc.).
 - o Scrape project/assessment due dates from at least two sources.
- Data Consolidation
 - o Identify a suitable storage mechanism for all scraped assessment due dates.
 - o Store all scraped information in the storage space identified above.
- Reminders
 - o Send out reminders at the following frequency:
 - One week before the deadline
 - Three days before the deadline
 - One day before the deadline
- Visualisation
 - o Create a mechanism that allows a student to see all upcoming deadlines
 - o Include colour-coding: Green (more than 5 days left), Yellow (3-5 days left), Red (less than 3 days left).
- Exception Handling
 - o If the bot encounters a course page it cannot navigate or an unrecognized email format, it should capture a screenshot and alert the student for manual review.

Deliverables

1. A documented UiPath workflow for the RPA solution.
2. A user manual detailing how students can set up and operate the bot.
3. A report discussing the design decisions, challenges encountered, and the solutions implemented.
4. A demonstration of the bot in a simulated environment.

If you're interested in partaking, please register [here](#).