

## Challenges Faced:

### About the GeBIZ Platform:

1. Lack of knowledge/experience on tendering system and the GeBIZ platform.
2. Lack of interfacing with GeBIZ user to understand their actual need or how to be benefited from automation.
3. Lack of face-to-face interaction with team members to discuss project plan or carryout troubleshooting on programming/PC setting issues.
4. Little guidance and interaction with the facilitating party across whole project phase.
5. Information and format on GeBIZ are not fully RPA friendly in term of format standardization, consistency of data/table structure, etc.
6. More than 60% of the labeling (ie, Keys) in GeBIZ are optional and the appearance is different from project to project.
7. The tabulated format in Item\_To\_Respond could be different even within the same project.
8. The UiPath knowledges acquired is too basic to tackle practical/complex issues. As such, self-learning at UiPath Academic is essential especially for the modern activities.

### About the UiPath programming:

1. Need to edit selectors in different ways for > 50 GetText/TypeInto/ElementExist activities in order to stabilize the web data strapping.
2. Need to scrape data and download documents for multiple Corrigendum versions in some projects.
3. Need to handle documents downloading that involve multiple pages for which, addition package to enabling window scrolling is needed.
4. Need to handle different combinations of user input options, eg, execute more than one keyword and with selective project indexes.
5. Complexity encountered when using Table Extraction where the tabulable data come with different combinations of formats and patterns.
6. Encounter webpages pop-out issue when crossing among sequences with the use of flowchart due to different web addresses.
7. Long program execution time due to all the available items(~60) on GeBIZ need to be evaluated regardless whether they are used in the project.
8. The current runtime is around 2mins for data extraction per project with the use of minimum margin of 1sec timeout for each element. Another about 30mins for programming overhead and documents downloading.

