# Summary of Work Done by Gauri Gupta (IIT Delhi) and Ritvik Kapila (IIT Delhi) During May-July

## 1. Time Optimized XML to XLSX parser for multiple sheets (Automation)

Features:

1. Built an XML parser to convert the input XML file to Excel file by parsing it in the form of a tree.
2. The parser is time optimized as it uses lists as compared to pandas data-frames in the previous version.

## 2. Save Charts in Excel as Images (Automation)

Features:

1. Designed python script that would detects charts in excel sheet and save them as images in a folder.

## 3. XML to XLSX parser into single sheet (Automation)

Features:

1. Built a configurable XML parser for another requirement where all the data is to be saved in the same sheet.
2. The parser is configurable to allow particular sheets to be passed as per the requirement of the user.

## 4. Save tables in Excel as Images (Automation)

Feature:

1. Wrote a python script for saving any snapshot of excel tables as an image.

## 5. Configurable and Time Optimized XLSX to CSV parser (Automation)

Feature:

1. Built a configurable parser that handles grouped data and converts it into a CSV file.
2. This solution is configurable according to the requirement of the user and has the functionality for including specific sheets, as well as excluding specific sheets from the Excel file, determined by the IncludeFlag.
3. The group by columns are also configurable and particular sheets can be selected based on their names.

## 6. Generic XLSM to XLSX parser (for both Windows and Linux) (Automation)

Feature:

1. Worked on converting a generic Macro-Enabled Workbook file to an Excel Workbook having multiple sheets for both Windows and LInux Operating systems.

## 7. Generic xlsb to xlsx Convertor (Automation)

Feature:

1. Worked on converting a generic Excel Binary Workbook file by reading it in Python as a dictionary of data-frames and converting it to an excel workbook with multiple sheets as per the requirement.