**Intern Training Tasks**

Day 1: Install postgres, create 2 excel files, subjects and batches

Day 2: Create tables to hold batch\_id, batch name subject\_id subject name with id’s as primary key

Day 3: Create excel files for holding student and teacher data and create corresponding tables in psql

* Student table should contain batch id which is a FK to the batches table
* Teacher table should contain subject id which is a FK to subject table

Day 4: Write code to fetch data from excel files subjects and batches and store it in their respective psql database tables

No repetition and time complexity O(1)

Day 5: Write code to store data for teacher and student tables.

* Extract batch name, find corresponding batch id and store batch id in student table
* Extract subject name, find corresponding subject id and store it in teacher table

Day 6: Improve above extraction code to only update those rows which are not present in psql database previously

Day 7: Create an availability table for teachers, create a simple excel file with day-wise block availability Monday : 9-13,15-20

Day 8-10: Write code to extract availability data, perform string manipulation to convert it into a meaningful psql data and store it in the respective table

Day 11-13: Create Python code to provide available time slots for required subject and batch and when the slot is booked, remove it from the availability table and put in into a time\_table psql table

Day 14: Create a readMe file explaining to an end-user how to fill data into excel sheets, what procedure to follow for good use of given project/code

Day 15-Day21: Completion of code, Creating an sql dump, learning Gitlab, push your code into a project, share the link, discuss with mentors about scope for improvement in project, learn updating project in Gitlab