SVKM’s NMIMS University

Mukesh Patel School of Technology Management & Engineering Department of Computer Engineering

B Tech. Integrated

Industry Internship Fortnightly Report

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| **Roll no.: C026** | **Name: Anirbaan Ghatak** |
| **Company Name: E-Revbay Pvt. Ltd.** | **Project Name: Automate Credit Analysis Report** |
| **Internal Mentor Name: Supriya Agrawal** | **Company Mentor Name: Mohit Vora** |
| **Week No: 1-4** | **Dates: 05/12/2022 to 31/12/2022** |

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| **Sr. no** | **Date** | **Day** | **Task Allocated** | **Task Completed** | **Learning and Findings** |
| 1 | 2/1 | Monday | Look in the current website they have up and running | Completed | Company's motto, goal, projects, competitors, and products were explained.  Found a few errors/bugs |
| 2 | 3/1 | Tuesday | Use PowerBi to produce Excel for FOIR of customers | Completed | Used PowerBi tool and Excel to produce tabulated data of customer for evaluation  Calculated FOIR of tabulated data of customers and provided recommendations on their Disposable |
| 3 | 4/1 | Wednesday | Create Credit Analysis Report from Excel | Completed | Credit Analysis Report in a Customer/Lead friendly Format |
| 4 | 5/1 | Thursday | Create Credit Analysis Report from Equifax Report | Completed | Created a credit analysis report of Lead from Equifax report and Tried finding Solutions to read Equifax report contents and trying to convert it into excel file |
| 5 | 6/1 | Friday | Find Solutions to automate the creation of Credit Analysis Report | Completed | Tried finding Solutions to read Equifax report contents and trying to convert it into excel file |
| 6 | 7/1 | Saturday | Implement the solution found | Completed | HTML and CSS for the diagrammatic breakdown of the customer's salary |
| 7 | 8/1 | Monday | Implement the solution found | Completed | CSS for the diagrammatic breakdown of the customer's salary |
| 8 | 9/1 | Tuesday | Implement the solution found | Completed | Further Improving CSS for the diagrammatic breakdown of the customer's salary |
| 9 | 10/1 | Wednesday | Research and Implementing solution for automating the Download Report option on the Web app | Completed | Power Automate an RPA software was used to temporarily convert the generated excel files to html and save it as PDF |
| 10 | 11/1 | Thursday | Research and Implementing solution for automating the Download Report option on the Web app | Completed | Power Automate an RPA software was used to temporarily convert the generated excel files to html and save it as PDF |
| 11 | 12/1 | Friday | Research and Implementing solution for automating the Download Report option on the Web app | Completed | Power Automate an RPA software was used to temporarily convert the generated excel files to html and save it as PDF |
| 12 | 13/1 | Saturday | Research and Implementing solution for automating the Download Report option on the Web app | Completed | Power Automate an RPA software was used to temporarily convert the generated excel files to html and save it as PDF |
| 13 | 14/1 | Monday | Make the Web interface for the Credit Analysis Report Automation | Completed | Login Page for the CAR website |
| 14 | 15/1 | Tuesday | Make the Web interface for the Credit Analysis Report Automation | Completed | Login Page for the CAR website |
| 15 | 16/1 | Wednesday | Authentication for the Web App | Completed | Implementing Authentication logic in the web App  Using Firebase Authentication |
| 16 | 17/1 | Thursday | Authentication for the Web App | Completed | Implementing Authentication logic in the web App  Using Firebase Authentication |
| 17 | 18/1 | Friday | Authentication for the Web App | Completed | Setting up rules in the Firebase authentication and sessions code in the Web App |
| 18 | 19/1 | Saturday | Design | Completed | Helped in the design of the MLB app |
| 19 | 20/1 | Monday | Design | Completed | Helped in the design of the MLB app also in the CHATGPT presentation |
| 20 | 21/1 | Wednesday | Took a Leave | | |
| 21 | 22/1 | Thursday | Design | Completed | Helped in Re-designing of the previously designed mobile app |
| 22 | 23/1 | Friday | Design | Completed | Helped in Re-designing of the previously designed mobile app |
| 23 | 24/1 | Saturday | Design | Completed | Helped in Re-designing of the previously designed mobile app |
| 24 | 25/1 | Monday | Bug Fixing in Power Automate | Completed | Understood and Tried Fixing bugs in RPA in power automate (PNB bank insurance) |
| 25 | 15/1 | Tuesday | Make the Web interface for the Credit Analysis Report Automation | Completed | Login Page for the CAR website |
| 26 | 16/1 | Wednesday | Authentication for the Web App | Completed | Implementing Authentication logic in the web App  Using Firebase Authentication |
| 27 | 17/1 | Thursday | Authentication for the Web App | Completed | Implementing Authentication logic in the web App  Using Firebase Authentication |
| 28 | 18/1 | Friday | Authentication for the Web App | Completed | Setting up rules in the Firebase authentication and sessions code in the Web App |
| 29 | 19/1 | Saturday | Design | Completed | Helped in the design of the MLB app |

Summary of Learnings:

The first week consisted of getting to ropes with what the company does and what is their business model. They introduced some of the key components which help the company become what they aim to be. One of the key components introduced was the Credit Analysis Report which is given to the customers as well as the relationship managers a simplified way to view the finances. This CAR report helps the RM suggest solutions to the customer for getting the desired amount of money or restructure his debts to get the desired amount. The First Task which was provided was Automating this CAR report. Different people took different approaches. I went with converting the Cibil report which is the base for the CAR report into a XML file using a converter and then getting the values for it. The main part of this was how to read the XML format and how to actually use it. It seemed like a viable solution at first but soon we found out implementing it would be tedious and time consuming. After carefully discussion with all the team members we decided to use the method that converts the cibil report(PDF) to the CAR report(using python and HTML)

30/12

The CAR report automation was still in its beta stage, the App to convert it wasnt still provided to the RM managers. The conversion was done in bulk using a power automate bot designed by me and another team member.

A discussion was held on how to provide this app to the RM, as a software or a web app. It was finally decided to provide it as a Web App and the work on it started. Chose the role to develop the Login Page for the Web app. The login page was designed in basic HTML, CSS and JS. The Authentication of users was done with a Backend-as-a-Service called Firebase where the email ID which is to be used by the RM’s are given along with a password. Ended the Month with a discussion about the MLB and a basic Drawing of it and helped in making a CHAT GPT PPT and understanding the Power Automate for PNB bank’s Insurance Portal.

Number of Days Present in the Weeks: 25 of 26 Number of Days Absent in the Week: 1 Signature of the Student

Grades (Refer table 1 for marks distribution and level of achievement )

|  |  |
| --- | --- |
| **Attribute** | **Marks** |
| **Progress in technical knowledge and expertise (10**) |  |
| **Motivation and Initiative (5)** |  |
| **Conduct and discipline (5)** |  |
| **Total (20)** |  |

Signature of Industry Mentor with date:

Table 1: **Marks distribution and level of achievement**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Attribute** | **Far Exceed Expectation (8-10)** | **Exceed Expectation(6-8)** | **Met Expectation(4-6)** | **Below Expectation (3-4)** |
| **a** | **Progress in technical knowledge and**  **expertise (10)** | Candidate has shown exceptionally good interest and passion to learn new skills  and gain knowledge | Candidate has shown moderately good interest and passion to learn new skills and  gain knowledge | Candidate has shown good interest and passion to learn  new skills and gain knowledge | Candidate has shown less interest and passion to learn new skills and gain  knowledge |
|  |  | **Far Exceeds Expectation (5)** | **Exceeds Expectation(4)** | **Met Expectations(3)** | **Below Expectations (2)** |
| **b** | **Motivation and Initiative (5)** | Candidate is exceptionally well motivated and takes initiative  to learn | Candidate is well motivated and takes initiative to learn | Candidate is fairly motivated and takes initiative to learn | Candidate is very less motivated and rarely takes  initiative to learn |
| **c** | **Conduct and discipline (5)** | Candidate is exceptionally well disciplined | Candidate is well disciplined | Candidate is fairly disciplined | Candidate is not disciplined |