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: 2/1/2022 to 30/1/2022** |

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| **Sr. no** | **Date** | **Day** | **Task Allocated** | **Task Completed** | | **Learning and Findings** |
| 1 | 2/1 | Monday | Bug Fixing in Power Automate | Completed | | Understood and Tried Fixing bugs in RPA in power automate (PNB bank insurance) |
| 2 | 3/1 | Tuesday | Bug Fixing in Power Automate | Completed | | Fixed bugs some bugs in RPA in power automate ( PNB bank related) |
| 3 | 4/1 | Wednesday | Deploying CAR web App | Completed | | Researched Ways to deploy Flask App on cPanel |
| 4 | 5/1 | Thursday | Deploying CAR web App | Completed | | Tried Deploying the Flask App on cPanel and Encountered Errors and Finding Solutions |
| 5 | 6/1 | Friday | Deploying CAR web App | Completed | | Took a different approach and Tried to Deploy the app on Google App engine |
| 6 | 7/1 | Saturday | Deploying CAR web App | Completed | | Took a different approach and Tried to Deploy the app on Google App engine |
| 8 | 9/1 | Monday | RPA in Power automate | Completed | | Found bugs in RPA in power automate ( PNB bank related) and Started RPA in Power Automate for Segregating Data in Excel |
| 9 | 10/1 | Tuesday | RPA for PNB portal | Completed | | Resolved all the bugs found in RPA in power automate ( PNB bank related) |
| 10 | 11/1 | Wednesday | Data Segregation on Cloud | Completed | | Tried Segregating the excel data in cloud (as the data is big and requires heavy networking and computing resources) |
| 11 | 12/1 | Thursday | Data Segregation on Cloud | Completed | | Tried Segregating the excel data in cloud (as the data is big and requires heavy networking and computing resources) |
| 12 | 13/1 | Friday | Power Automate for Segregation of Data | Completed | | Designing Power Automate for Data Segregation |
| 13 | 14/1 | Saturday | Power Automate for Segregation of Data | Completed | | Designing Power Automate for Data Segregation |
| 15 | 16/1 | Monday | Power Automate for Segregation of Data | Completed | | Designing Power Automate for Data Segregation |
| 16 | 17/1 | Tuesday | Power Automate for Segregation of Data | Completed | | Research on how to scale Power Automate on Virtual Machine |
| 17 | 18/1 | Wednesday | Power Automate for Segregation of Data | Completed | | Designing Power Automate for Data Segregation |
| 18 | 19/1 | Thursday | Power Automate for Segregation of Data | Completed | | Researched on Running Power Automate on Virtual Machine in Azure |
| 19 | 20/1 | Friday | Power Automate for Segregation of Data | Completed | | Tried Running Power Automate on Virtual Machine in Azure |
| 20 | 21/1 | Saturday | Power Automate for Segregation of Data | Completed | Ran Power Automate on Virtual Machine in Azure | |
| 22 | 23/1 | Monday | Power Automate for Segregation of Data | Completed | | Optimizing Power Automate on Virtual Machine in Azure |
| 23 | 24/1 | Tuesday | Power Automate for Segregation of Data | Completed | | Optimizing Power Automate on Virtual Machine in Azure |
| 24 | 25/1 | Wednesday | Power Automate for Segregation of Data | Completed | | Optimizing Power Automate on Virtual Machine in Azure |
| 25 | 26/1 | Thursday | Power Automate for Segregation of Data | Completed | | Optimizing Power Automate on Virtual Machine in Azure |
| 26 | 27/1 | Friday | Power Automate for Segregation of Data | Completed | | Tried running the python automation bot on Linux and Windows Virtual Machines |
| 27 | 28/1 | Saturday | Selenium for Fetching Data from a Website | Completed | | Did Web Scraping to get data about credit cards using Selenium |

Summary of Learnings:

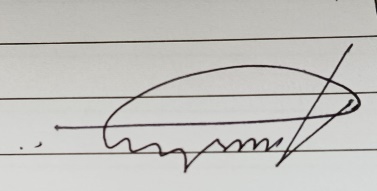
There was a problem with the power automate which checked the status of insurance of PNB Insurance on their portal on the internet. So tried to solve the problem by carefully analyzing the flow and pin point where the mistakes where occurring. This work was stopped midway as the deployment of the CAR app became a priority.

For the deployment of the CAR app, we first researched how to deploy it on the cPanel server which was brought after a couple days of researching and trying different thing in it and not finding any luck with it we switched to other deployment services after searching and trying between Firebase Hosting, Google App engine and Azure web app service and we finally chose azure web app service.

After the deployment was done, I then started to correct the PNB insurance RPA and completed it. The next task was to segregate data in excel for the marketing team. An RPA was designed on Power Automate to Segregate and clean the data; this code was continuously optimized. I took charge to see it this RPA bot could be scaled into Cloud Virtual Machines, the findings from that was the cost of running such bot on VM would result in a huge expense thus it was dropped but got to learn about how to deploy and use such a bot in a remote environment.

The RPA bot designed on Power Automate was replaced with a python bot, here also I researched if this bot could be used in Cloud Virtual Machines for better results this also garnered the same results as before i.e. an unnecessary huge expense. Then I joined the Selenium team which was doing web scraping to get details about different kinds of credit cards.

Number of Days Present in the Weeks: 29.5 of 30 Number of Days Absent in the Week: 1.5



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 |