Vishwakarma Institute of Information Technology

B.Tech Computer Engineering
2018 Course
Robotic Process Automation

SUBMITTED TO:
PROF. LEENA DESHPANDE

COMPUTER ENGINEERING DEPARTMENT

BY:
Group No. 08

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Account Section Automation

Problem Statement

Account Section Automation.

Student side - Automated reminder for fees payment with fees installment status.

Faculty side – Automated payroll generation and mail it to the faculty .

Objectives

    A. Student Fees Reminder

    1. Access student excel sheet

    2. Check fees payment status.

    3. Mail the installment payment status with reminder to pay fees..

    B. Faculty Payroll

    1. Access faculty excel sheet.

    2. Check the salary payment status.

    3. Create payroll receipt and save it as pdf.

    4. Mail the payroll receipt to the faculty.

Tool/Services Used

- **UiPath Studio**
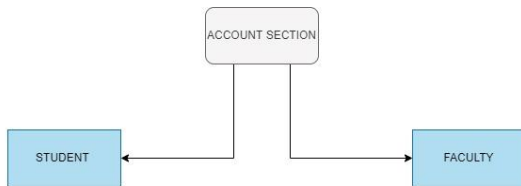- **Excel Sheets**
- **Gmail/Outlook**

What is UiPath ?

UiPath is a robotic process automation platform for end-to-end high- scale automation. UiPath software offers solutions for enterprises to automate repetitive office tasks for rapid business transformation. It converts boring tasks into automation processes using multiple tools. It was founded by Romanian entrepreneur Daniel Dines in the year 2005.
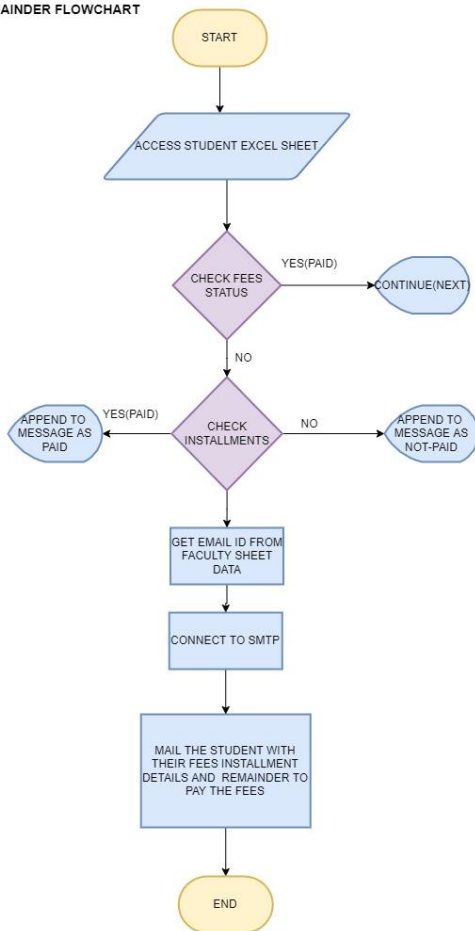
Type of Bot

- **Task Bot :** The Task Bots are the core of automation which execute repetitive rule-based tasks. These tasks are easy to build and can execute multi-step processes with no errors.

Process-Flow Diagram

ACCOUNT SECTION

STUDENT

FACULTY

STUDENT FEES REMAINDER FLOWCHART

START

ACCESS STUDENT EXCEL SHEET

CHECK FEES STATUS — YES(PAID) → CONTINUE(NEXT)

NO

CHECK INSTALLMENTS — YES(PAID) → APPEND TO MESSAGE AS PAID

NO → APPEND TO MESSAGE AS NOT-PAID

GET EMAIL ID FROM FACULTY SHEET DATA

CONNECT TO SMTP

MAIL THE STUDENT WITH THEIR FEES INSTALLMENT DETAILS AND REMAINDER TO PAY THE FEES

END

FACULTY PAYROLL FLOWCHART

START

ACCESS FACULTY EXCEL SHEET

CHECK PAYMENT STATUS — NO → MAIL TO ACCOUNT SECTION(REGARDING NON-PAYMENT OF SALARY TO FACULTY)

YES

ACCESS REFERENCE PAYROLL DOC

MAKE CHANGES IN DOC ACCORDING TO FACULTY SHEET DATA

NAME PDF AS PER EMP ID

CONVERT TO PDF AND SAVE INTO DESTINATION FOLDER

GET EMAIL ID FROM FACULTY SHEET DATA

CONNECT TO SMTP

MAIL THE FACULTY WITH PAYROLL PDF

END