



# **SPEECH RECOGNITION TECHNIQUE NAAN MUDHALVAN - STUDENT IMPLEMENTATION PROGRAM**

## **Short name of your projects**

Submitted By,

NAME: INBATHAMIZHAN R

Register Number: 820622104027

Email ID:

Mobile No:

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
ARASU ENGINEERING COLLEGE  
KUMBAKONAM – 612501**

## Table of Content

S. No	Project Name	Page No
1.		
2.		
3.		

# Project 1 Name

## Introduction:

Employee recognition plays a vital role in fostering a positive workplace culture and boosting employee satisfaction. One way to enhance this is by celebrating employee birthdays with personalized greetings. However, managing this task manually is time consuming, error-prone, and often leads to missed birthdays.

Acme Corp seeks to address this challenge by leveraging Robotic Process Automation (RPA) with UiPath. This project aims to develop an automated solution that reads employee data from an Excel file, identifies birthdays matching the current date, and sends customized birthday wishes via email. This automation will not only ensure timely delivery but also free up valuable time for HR teams to focus on more strategic tasks.

## Problem Statement:

Acme Corp faces the challenge of ensuring timely and personalized birthday emails for its employees. Manually managing this task is time-consuming and prone to errors, potentially resulting in missed birthdays and decreased employee satisfaction.

## Objectives:

- **Ensure Timely Delivery:** Automate the process of sending birthday emails to ensure no employee's birthday is missed.
- **Enhance Personalization :** Provide customized and meaningful birthday greetings tailored to each employee.
- **Improve Employee Satisfaction:** Strengthen employee engagement and morale by acknowledging their special day.

## Methodology:

- **Problem Analysis:** Identified the challenge of manual birthday email management and its impact on efficiency and employee satisfaction.
- **Input Data Preparation:** Created an Excel file (EmployeeData.xlsx) with employee details (Name , Email, and Date of Birth) for the bot to process.
- **Error Handling:** Incorporated Try Catch blocks to manage exceptions like missing data, SMTP issues, or invalid email addresses.
- **Testing and Validation:** Validated the bot by running tests with sample data to ensure correct email delivery and workflow functionality.

## **Program Flow:**

### **1. Input Data**

The input is an Excel file (EmployeeData.xlsx) containing the following fields:

### **Output:**

Output with screenshot

### **Conclusion**

The automated birthday email bot for Acme Corp is a robust solution that streamlines the process of sending personalized birthday greetings. By eliminating manual intervention, the bot ensures no employee birthdays are missed, improving employee morale and satisfaction. Additionally, this RPA solution enhances efficiency, saves time, and reduces the risk of errors, demonstrating how automation can address routine tasks effectively.

Through this implementation, Acme Corp has taken a meaningful step towards leveraging technology to improve workplace engagement and foster a culture of appreciation.

# Project 2 Name

## Introduction:

Employee recognition plays a vital role in fostering a positive workplace culture and boosting employee satisfaction. One way to enhance this is by celebrating employee birthdays with personalized greetings. However, managing this task manually is timeconsuming, error-prone, and often leads to missed birthdays.

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- **EnsureTimelyDelivery:** Automatetheprocessofsendingbirthdayemailstoensure no employee's birthday is missed.
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## **Program coding:**

### **1. Input Data**

The input is an Excel file (EmployeeData.xlsx) containing the following fields:

### **Output:**

Output with screenshot

### **Conclusion**

The automated birthday email bot for Acme Corp is a robust solution that streamlines the process of sending personalized birthday greetings. By eliminating manual intervention, the bot ensures no employee birthdays are missed, improving employee morale and satisfaction. Additionally, this RPA solution enhances efficiency, saves time, and reduces the risk of errors, demonstrating how automation can address routine tasks effectively.

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# Project 3 Name

## Introduction:

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Acme Corp seeks to address this challenge by leveraging Robotic Process Automation (RPA) with UiPath. This project aims to develop an automated solution that reads employee data from an Excel file, identifies birthdays matching the current date, and sends customized birthday wishes via email. This automation will not only ensure timely delivery but also free up valuable time for HR teams to focus on more strategic tasks.

## Problem Statement:

Acme Corp faces the challenge of ensuring timely and personalized birthday emails for its employees. Manually managing this task is time-consuming and prone to errors, potentially resulting in missed birthdays and decreased employee satisfaction.

## Objectives:

- **EnsureTimelyDelivery:** Automatetheprocessofsendingbirthdayemailstoensure no employee's birthday is missed.
- **Enhance Personalization :** Provide customized and meaningful birthday greetings tailored to each employee.
- **Improve Employee Satisfaction:** Strengthen employee engagement and morale by acknowledging their special day.

## Methodology:

- **Problem Analysis:** Identified the challenge of manual birthday email management and its impact on efficiency and employee satisfaction.
- **Input Data Preparation:** Created an Excel file (EmployeeData.xlsx) with employee details (Name, Email, and Date of Birth)for the bot to process.
- **Error Handling:** Incorporated Try Catch blocks to manage exceptions like missing data, SMTP issues, or invalid email addresses.
- **Testing and Validation:** Validated the bot by running tests with sample data to ensure correct email delivery and workflow functionality.

## **Program coding:**

### **1. Input Data**

The input is an Excel file (EmployeeData.xlsx) containing the following fields:

### **Output:**

Output with screenshot

### **Conclusion**

The automated birthday email bot for Acme Corp is a robust solution that streamlines the process of sending personalized birthday greetings. By eliminating manual intervention, the bot ensures no employee birthdays are missed, improving employee morale and satisfaction. Additionally, this RPA solution enhances efficiency, saves time, and reduces the risk of errors, demonstrating how automation can address routine tasks effectively.

Through this implementation, Acme Corp has taken a meaningful step towards leveraging technology to improve workplace engagement and foster a culture of appreciation.