EVALUATION OF INTERNSHIP REPORT

B.Tech: III Year

Department of Computer Science & Information Technology

Name of the Student …Himesh Nagar……

Branch & section ……CSIT-2……..

Roll No…….08271CI201076……

Year…….2022-2023.....

Department of Computer Science & Information Technology
AITR, Indore,

ACROPOLIS INSTITUTE OF TECHNOLOGY & RESEARCH, INDORE

Department of Computer Science & Information Technology

Certificate

Certified that training work entitled "Robotic Process Automation" is a bonafied work carried out after sixth semester by "*Himesh Nagar*" in partial fulfilment for the award of the degree of Bachelor of Technology in Computer Science and Information Technology from "Prof. Simarjeet Singh Bhatia" Acropolis Institute of Technology and Research during the academic year 2022-23.

Name and Sign of Training Coordinator *Name & Sign of Internship Coordinator*

ACROPOLIS INSTITUTE OF TECHNOLOGY & RESEARCH, INDORE

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Himesh Nagar
0827CI201076.

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INTRODUCTION

Robotic process automation (RPA) is a software technology that makes it easy to build, deploy, and manage software robots that emulate humans actions interacting with digital systems and software. Just like people, software robots can do things like understand what's on a screen, complete the right keystrokes, navigate systems, identify and extract data, and perform a wide range of defined actions. But software robots can do it faster and more consistently than people, without the need to get up and stretch or take a coffee break.

Robotic process automation streamlines workflows, which makes organizations more profitable, flexible, and responsive. It also increases employee satisfaction, engagement, and productivity by removing mundane tasks from their workdays. RPA is noninvasive and can be rapidly implemented to accelerate digital transformation. And it's ideal for automating workflows that involve legacy systems that lack APIs, virtual desktop infrastructures (VDIs), or database access.

In order for RPA tools in the marketplace to remain competitive, they will need to move beyond task automation and expand their offerings to include intelligent automation (IA). This type of automation expands on RPA functionality by incorporating sub-disciplines of artificial intelligence, like machine learning, natural language processing, and computer vision.

Intelligent process automation demands more than the simple rule-based systems of RPA. You can think of RPA as "doing" tasks, while AI and ML encompass more of the "thinking" and "learning," respectively. It trains algorithms using data so that the software can perform tasks in a quicker, more efficient way. As artificial intelligence becomes more commonplace within RPA tools, it will become increasingly difficult to differentiate between these two categories.

OBJECTIVES

1. To prepare students with the technical knowledge and skills needed to automate the repeated tasks performed with the help of a software.

2. To prepare students that can plan, implement, and automate the mechanisms to reduce the workload of users.

3. To prepare students that can identify, analyze, and design the automation where the task is continuously repeated by a user.

PROJECT DETAIL

Project :- RESULTAUTOMATION (Result Automation Software Robot)

Project Category:

a) Automation
b) Desktop Application
c) Result Automation Application

Problem Statement:

Generally The result distribution of mst is difficult for teachers To tell marks of every student in the class and there is many miscommunication between them so I am made a bot to solve this problem. The result of student has been automatically send to their mail.

Scope :

As project helps every teacher so they can use that project in every class and as we know that India occupies a significant position in the global education sector. One of the world's largest networks of institutions of higher learning is found in India. With almost 27% of India's population in the age group of 0-14 years, India's education sector provides numerous opportunities for growth. So form the data we know that in what amount of demand of the bot is there. I think it is a revolutionary bot and it will help a lot for teachers.

Specific Objectives:

By their very nature, RPA projects have clear benefits. You are replacing specific human effort by automation. It is common for a bot to replace the equivalent of three to four FTEs when it takes over a process. You can calculate how long it takes to complete a simple, repetitive task that uses known business rules and structured data. From this, you get a clear estimate of man-hour savings.

TECHNOLOGY :-

1. RPA
2. Excelsheet for database

HARDWARE REQUIREMENT :-

1. i-5 10th generation / ryzen-3
2. 10-gb free internal space
3. 8-gb RAM
4. Stable Internet Connectivity

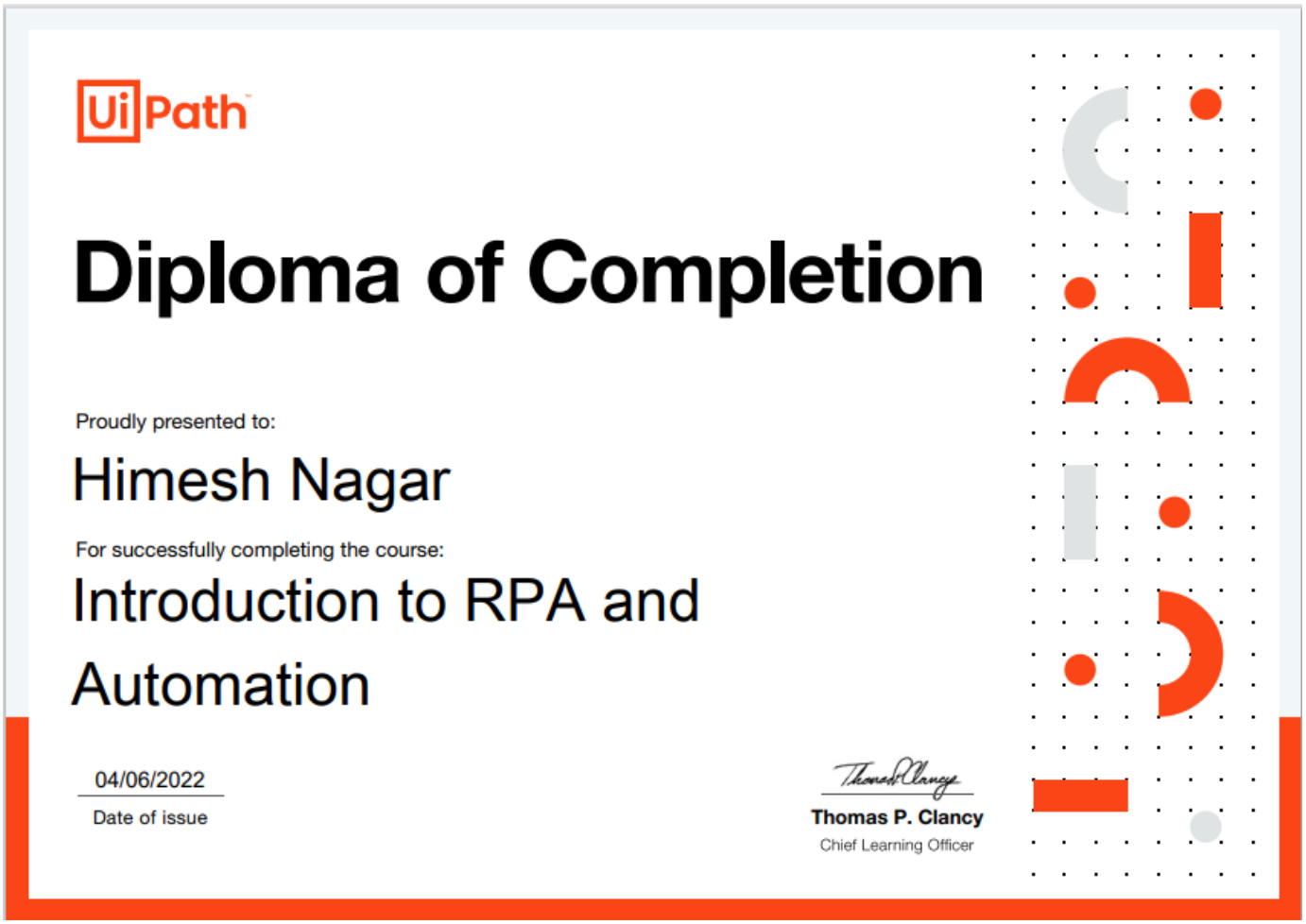
Key Personnel and their expertise :-

Student Name and Enrollment No.	**Technical Expertise**
Himesh Nagar	RPA
Guide- Prof. Simarjeet Singh Bhatiya	RPA Expert

Project Benefits:

RPA benefits not just large and medium bust also small-scale organizations. It can speed up tasks in a wide range of industries such as insurance, HR, finance, banking, CRM, BPO/KPO services etc. Across these industries, organizations usually outsource such tasks to third parties/vendors. Outsourcing helps them mitigate risks in quality, time and employee-shortage. RPA helps not just in eliminating repetitious tasks but allows employees to spend more time and effort in valuable & logical work. RPA helps with repetitive tasks that demand quality processing at any time of the day in a quick and inexpensive way.

CERTIFICATE



GITHUB LINK

https://github.com/Him007n/RPA-bot

CONCLUSION

With the influx of venture capital funds and the need for process owners to optimize internal processes and to cut costs, RPA offers a low-hanging fruit solution. A lot of companies have done pilot RPA projects and some of them have scaled beyond that. This means that as a project manager you are very likely to come into contact with RPA bots directly or indirectly, especially as the field scales. As we have seen RPA provides many opportunities and new backlog options for your projects. At the same time, it poses many challenges: from data corruption to the creation of legacy systems. As a project manager, you will have to be mindful of how to develop products or software that take RPA into consideration. Doing even a little bit of extra planning will save you a lot of headache down the road and deliver the results your stakeholders are expecting.

REFERENCES

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