

Certified Professional Cognitive Robotic Process Automation (CP-CRPA) Certification Course

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What is CP-CRPA course?

CP-CRPA Program stands for “Certified Professional – Cognitive Robotic Process Automation” certification prepared and honored by “Agile Testing Alliance”. The course is applicable for all roles and knowledge, experience & certification is consciously designed for all those who not only want to learn robotic process automation but to master it.

This is a master program which will run for 6 weeks, enabling participants to not only master Robotic process automation but also applying predictive analytics and dashboarding using IBM Watson, making this one of a kind master program on Cognitive Automation. The program integrates RPA and AI using Blue Prism and IBM Watson, thus establishing mastery of Robotic Process Automation (Blue Prism) with most renowned IBM platform Watson. Cognitive Automation course prepares you for RPA professional roles and provide a solid career opportunity. Participants will get hands on experience in RPA by working on various real time projects, learning Industry use cases across BFSI, Healthcare, HR and SCM, RPA project life cycle, and Documentation process.

How is it useful?

RPA or Robotic Process Automation is a piece of highly customized software, often called a Software Robot or a BOT, that when deployed perform a variety of tasks as a part of the Digital Enterprise. BOTs facilitate inter application messaging, manipulate data and output. RPA has become extremely critical for any digital enterprise or any enterprise on their path towards digital transformation. No enterprise of today would be considered innovative without a forward-looking automation strategy which is based or derived out of RPA. The sudden upsurge in demand for RPA comes from the fact that all enterprises who look at reducing their costs, increasing their accuracy and being more agile would ultimately need RPA. The need thus for RPA enabled professionals has also increased multifold. There has been a huge gap in the demand v/s supply of such skills which not only cover RPA but add some predictive analytics over and above the automation achieved – or attaching some cognitive intelligence on the process automation. This program thus is addressing these needs.

The program is a master program which takes the participant into a very detailed hands on approach on learning the intricacies of not only RPA but Cognitive RPA. Being a Cognitive Automation professional leads you to a fast track road of exciting, evolving career line. A career line that is predicted to grow sharply into 2020 and beyond. Robotic Process Automation, Artificial intelligence and Machine Learning will impact all segments of daily life by 2025, with applications in a wide range of industries such as healthcare, transportation, insurance, transport and logistics and even customer service. Please note the below statistics.

“Artificial Intelligence Market worth 190.61 Billion USD by 2025”

“Global RPA market size is expected to reach over USD 5.1 billion by 2025”

If you want to be a part of this fastest growing segment of industry, this master program is definitely for you

Am I Eligible?

There are no prerequisites required to learn RPA and Cognitive Automation. However, having basic knowledge of any programming language will be an added advantage.

Duration?

This is a master program which will run for 6 weeks followed by theory and practical exams.

- 6 Weeks (50 hours)
- Only weekend classes (Saturday and Sunday)
- 4 Hours each day

Who is this program for?

This course is designed for everyone willing to up-skill and to stay ahead in his career in the era of cognitive automation, few of the roles as under,

- For all developers who are interested in cognitive automation
- For all testers (manual/automation) who want to transform their career
- For BPO/Support professionals who want to switch their career to cognitive automation?
- For operation professionals wanting to learn and move into cognitive automation jobs
- For all managers who desire to get their hands dirty by learning and implementing Cognitive Automation projects.

Tools covered

This program covers two major tools

- IBM Blue Prism
- IBM Watson

About the CP-CRPA exam

The CP-CRPA certification exam has three parts

- 20 percent on the class participation, completion and submission of assignments
- 30 percent theory exam consisting of multiple choice questions based on learnings from the program
- 50 percent practical case study exam to be submitted after completion of the program – with in 2 weeks of finishing the program.
- **Passing marks have to be a minimum of 60 percent in each of the above**

Learning Objectives and Main Topics

1. Introduction

You will get introduced to RPA and learn about the need, value proposition, choice of tools and the business case associated with the tool covered in the program. Following would be covered

- RPA overview
- RPA value proposition
- RPA Tool vendor landscape
- Why Blue Prism
- Business Cases for Blue Prism Deployment
- The Purpose and Benefits of Deploying Blue Prism
- Job opportunity with RPA and AI

2. Blue Prism Technology Overview

Understand on how Blue Prism works and its architecture

- How Blue Prism Works
- Blue Prism Architecture
- Blue Prism operating Model

3. Installing Blue Prism

Learn and setup Blue Prism and get ready for more.

- Database installation
- Blue Prism Installation
- License key setup

4. Exploring Blue Prism

Learn about processes, stages and various options available for calculations and decisions and other features of Blue Prism that would be used in subsequent case studies.

- Working with different stages
- Calculation, Decision, Choice, Collection, Loop, Anchor,
- Understanding Business Objects
- Understanding Blue Prism Processes
- Pages, Multi Page and page linking
- Inputs, Output and Startup Parameters
- Data item Visibility and their types
- Error/Exception Handling

5. End-to-End Automation of a process – Windows and Web application

Learn on how to do end to end automation of process for a Windows and a web application

- Creating and Managing Business Objects in Object Studio
- Creating and Managing Blue Prism Processes in Process Studio

6. Spying Mode

Learn how to spy element for various / different applications and modes

- Win 32
- Accessibility
- Region Mode (Surface Automation)
- HTML Mode

7. Using Control Room

Learn about Control Rooms in Blue Prism, which provide a centralized administration console for controlling, monitoring, executing and scheduling process execution on the distributed robots.

- Work Queues Management
- Session Management
- Scheduler

8. Excel Automation

Learn how to use Excel for automation purposes

- Read Data
- Write Data
- Append to Excel

9. Email Automation

Learn how to configure and use emails for automation purposes.

- Mail configuration
- Receive Email
- Send Email with/without attachment

10. SQL Automation

Learn on using SQL and Database for automation purposes

- Set up connection
- Execute Queries
- Fill data to collection/CSV from SQL Database

11. Deploying Blue Prism processes

Learn on how to configuring and deploying processes

- Configuring Blue Prism process
- Deploying Blue Prism processes in control room

12. Code Stage

Learn on how the code stage adds the power and flexibility of a professional programming language to the visual convenience of the Blue Prism flow charting tool.

- Code Stage overview
- Writing scripting in Code Stage

13. Blue Prism Administration

Learn the administrative features of Blue Prism

- Blue Prism Security
- Pooling
- Audit and Process Logs
- Reporting & Dashboard

- Packaging and release management
- Multi bot architecture setup
- Login Agent setup

14. RPA Life Cycle and their artifacts

Learn about the RPA Life Cycle and their artifacts

- Initial Process Analysis (IPA)
- Define - Process Definition Document(PDD)
- Design - Solution Design Document (SDD)
- Automation Development
- Testing Definition Document (TDD)
- Deployment Model
- Design and Architecture practices

15. Cognitive Automation - IBM Watson

Learn Cognitive Analytics with IBM Watson which enables data exploration, predictive analytics and effortless dashboard along with info-graphic creation. Understand and implement use of natural language processing and image analytics and combining with the concepts learned in RPA

15.1 Introduction

- What is Cognitive RPA?
- Cognitive RPA – features
- Cognitive RPA platform overview
- Cognitive RPA use cases

15.2 Natural Language Processing (NLP)

- Text Analysis, Sentiment Analysis
- NLP API consumption
- Build your own social media monitoring tool
- Analysis of Email

15.3 Image Analytics

- Computer Vision
- Image Classification
- Unstructured data to structure conversion
- Aadhar/PAN/Invoice extraction

16. End to end case study for exam preparation

Implement an end to end case study as a preparation for the certification exam.