Capgemini

AUTOMATION ACADEMY

Learning & Certification

Program | 2022

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AUTOMATION | ACADEMY

A key vehicle enabling skillsets required for industrialization and automation at scale

Program 1: An end-to-end learning and certification program to analyze, design, deploy and implement automation solutions

Automation
Foundation

`LEVEL 1`

Automation
Practitioners

`LEVEL 2`

Automation
Analysts

`LEVEL 3`

Program 2 : Learning and Certification program for Change Agents to drive Automation and Productivity enhancements within their engagements

Automation & Productivity Enhancement Specialists

20000+
Part of the Program

14000+
Certified Practitioners in 2020-21

20+
Technical courses

Flexibility
Aligned to BU Needs – RPA Sprint, I&D Academy

iSG™ imagine your future® **Intelligent Automation Solutions and Services 2020-21** ***Capgemini Positioned as Leaders***

Robust learning and certification program: Capgemini is focused on creating a continuous learning environment for its workforce. To impart necessary skills to deploy intelligent automation, the firm has set up Automation and AI Academies that serves as a learning platform, for its employees, to develop Automation and AI capabilities

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AUTOMATION ACADEMY PROGRAM 1 – CERTIFICATION STEPS
FLEXIBILITY FOR PARTICIPANTS IN CHOOSING ANY/COMBINATION OF AUTOMATION TRACK – LINKED TO AD/AM/BUSINESS SERVICES/ ANALYTICS AND AI . _COMPLETION OF PROGRAM DURATION - 7 weeks_

Step 1: Introduction to Automation

Step 2 : Any two technical Courses from 1 track or combination of tracks

Scripting Languages
R | PowerShell | Linux SHELL SCRIPTING
Perl | python

RPA & ITPA Automation
UiPath Robotic Process Automation | blueprism | Automic | ca technologies
AUTOMATION ANYWHERE | ayehu

AI and Analytics
Machine Learning | Deep Learning | Power BI

DevOps AD and Test automation
Dev Ops | Perform click on Selenium using JavaScript Se JS | Kubernetes
ANSIBLE | puppet

Monitoring and Orchestration
AppDynamics | hp Operations Orchestration 10.00 | SAP Solution Manager

Capgemini Internal Automation IP
Smart analytics | I-KO ñ
LogAnalyzer

Automation Foundation Certified

Step 3: 1 use case implementation and documentation

Automation Practitioner Certified

Step 4 : Identify Automation Opportunities and mentor 2 additional Automation Engineers in Implementation of use case

Automation Analyst Certified

AUTOMATION ENGINEER **FOUNDATION** LEARNING PROGRAM

LEVEL 1 - *Step 1* : *Introduction to Automation eLearning Course*

Lesson 1 - Introduction to Intelligent Automation

Lesson 2 - Intelligent Automation Market and Competition

Lesson 3 - Unified Approach to Intelligent Automation

Lesson 4 - Intelligent Automation Tools & IPs

Lesson 5 - Intelligent Automation Services

Lesson 6 - Capgemini Intelligent Automation Platform (CIAP)

Lesson 7 - Summary & 20 question quiz

Number of Lesson Courses	Min Passing Marks	Attempts	Course Completion criteria	Course Duration	Training Type
6	70%	Multiple	Mandatory	1 Week	E-Learning

AUTOMATION ENGINEER <u>FOUNDATION</u> LEARNING PROGRAM

<u>Step 2</u> : *Complete <u>any **two**</u> technical Courses from <u>any of the below categories or combination of categories (from 23 courses)</u> to move to next step.*

Scripting Languages	RPA and ITPA Automation tools	AD and Test Automation	Monitoring and Orchestrator Tools	Others

Scripting Languages

1. **Python-Automation Academy**

2. **Perl-Automation Academy**

3. **Windows PowerShell-Automation Academy**

4. **R-Programming - Automation Academy**

5. **Linux\Unix Shell Scripting Automation Academy**

RPA and ITPA Automation tools

6. UiPath (Alliance Partner) <mark>Guideline Document</mark>

7. **Automation Anywhere (Alliance Partner)** <mark>Guideline Document</mark>

8. **Blue Prism (Alliance Partner)** <mark>Guideline Document</mark>

9. **Ayehu NG (Alliance Partner)**

10. **Automic**

AD and Test Automation

11. **DevOps (Pluralsight course)**

12. **Selenium + JavaScript (Pluralsight course)**

13. **Ansilble**

14. **Puppet**

15. **Google Kubernetes**

Monitoring and Orchestrator Tools

16. **AppDynamics**

17. **HP OO**

18. **SAP Solman**

Others

19. **Capgemini Internal IP (Log Analyzer + i-Kon + Smart Analytics)**

20. **Machine learning and Deep Learning**

21. **Power Bi**

22. **Tableau**

23. **Advance Excel**

Min Passing Marks	Attempts (Maximum)	Completion Duration (Maximum)	Training Type
60%	3	4 weeks	E-Learning

<u>Note</u> : **Clearing Mandatory Assessment with passing % within 3 attempts are recorded as completion of selected courses from above**

AUTOMATION ENGINEER FOUNDATION LEARNING PROGRAM

Exemption list (Alliance/External certification) for Step 2

If any participants already has an external certificate for the tools as mentioned in the Exemption list can apply for exemptions **Here.**

Scripting Language

RPA and ITPA Automation tools Exemption list:

No Exemption

(only assessment clearance applicable)

UiPath

1. UiPath RPA Developer Diploma Certificate

2. UiPath RPA Advance Developer Certificate

3. UiPath RPA Implementation Diploma Certificate

Blue Prism

1. Blue Prism Developer Certificate

2. Blue Prism Certification - Professional Developer

Automation Anywhere

1. Automation Anywhere Certified Advanced RPA Professional

2. Automation Anywhere Certified Master RPA Professional

3. WorkFusion Certification - Automation Engineer/ML Engineer/ Power User

Ayehu

1. Certified Ayehu Professional

Automic

1. Certified Automatic Workload Automation (AWA) Operator

2. Certified Automatic Workload Automation (AWA) Designer

3. Certified Automatic Workload Automation (AWA) Administrator

4. Expert Automatic Workload Automation (AWA) Designer

5. Expert Automatic Workload Automation (AWA) Administrator

6. Automatic Workload Automation (AWA) Master

AUTOMATION ENGINEER FOUNDATION LEARNING PROGRAM

Exemption list (Alliance/External certification) for Step 2

If any participants already has an external certificate for the tools as mentioned in the Exemption list can apply for exemptions **Here.**

AD and Test Automation Exemption list:

1. AWS Certified DevOps Engineer

2. Microsoft Certified: DevOps Engineer Salesforce DevOps Certification - Copado

3. Google Kubernetes - Coursera Certification

Monitoring and Orchestrator Tools Exemption list :

1. AppDynamics Certified Associate or Professional

2. Dynatrace Professional Certification

3. Splunk Core Certified Power User

4. SAP Solman

5. SAP Certified Technology Associate - SAP Solution Manager (Root Cause Analysis) 7.1 SP12 (C_E2E1007112)

6. SAP Certified Technology Associate - SAP Solution Manager (Implementation) 7.1 SP 8 (C_TSM10_718)

7. SAP Certified Technology Associate - SAP Solution Manager Mandatory and Managed System Configuration 7.2 SPS3 (C_SM100_7203)

8. SAP Certified Technology Associate - SAP Solution Manager (Configuration) 7.1 SP8 (C_SM100_718)

9. SAP Certified Technology Associate - SAP Solution Manager (IT Service Management Configuration) 7.1 SP8 (C_SM200_718)

10. Microfocus Education Certifications - Data Center Automation

11. Microfocus Operations Orchestration Certified Professional Exam

Other Exemptions:

1. Microsoft Azure AI Fundamentals Certification

2. AI-100 Azure AI Engineer Associate Microsoft certification

3. NICE Technical Certification

4. Pega Certified System Architect

5. Pega Certified Robotics System Architect

AUTOMATION **FOUNDATION** LEARNING PROGRAM CERTIFICATE (SAMPLE)

AUTOMATION ENGINEER PRACTITIONER LEARNING PROGRAM
LEVEL 2 : Deployment experience in form of an Automation Use case

- **Use Case** - This is related to showcase what participants have already implemented a use case (in last 6 months) with any set of technologies / scripts / enablers that resulted in tangible benefits to the functionality will make them eligible for Practitioner Engineer Certifications.

- The implementation can be local / in a test environment/ in a form of PoC.

- It isn't mandatory to get the implementation done in a client environment.

Participant needs to follow the following steps :

1. Participants needs to submit the survey form. **Teams link**

2. Post submission they need to respond to **automationacademyglobal.in@capgemini.com** keeping mentor in loop for final sign off.

Acknowledgement will be send within 1 week from date of submission of Usecase and post 2 weeks' time, the certificate will be sent out from university.

AUTOMATION ENGINEER PRACTITIONER LEARNING CERTIFICATE (SAMPLE)

Capgemini

Automation Engineer Practitioner

GI&A Automation Academy
hereby recognizes

FIRST LAST NAME

For accomplishment of
Automation Engineer Practitioner Certification

You are recognized for successfully completing the journey of
automation learning and use case implementation

ASHWIN YARDI
Chief Executive Officer | India
Member, Group Executive
Committee
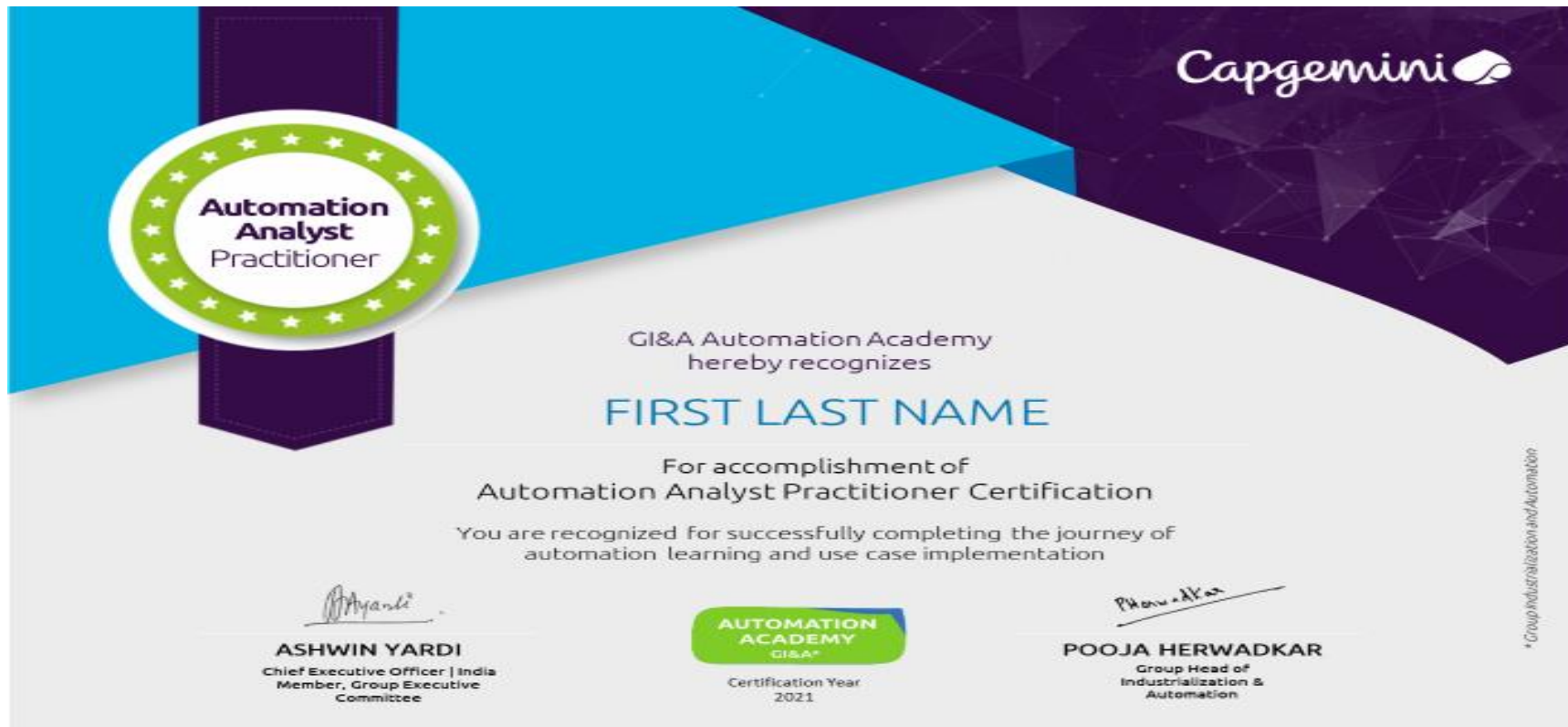
AUTOMATION
ACADEMY
GI&A*

Certification Year
2021

POOJA HERWADKAR
Group Head of
Industrialization &
Automation

* Group Industrialization and Automation

ANALYST **PRUCTITIONER** CERTIFICATION

> Mentors if self certified as Practitioners are also eligible for Analyst Practitioner certification in case they mentor two engineers.

> (Mentor can guide in identifying automation opportunities and in implementation strategy Ideally, participants N+1 himself/ herself can be a potential mentor)

AUTOMATION ACADEMY PROGRAM 2 - — A&PE SPECIALIST CERTIFICATION

Overall completion timeline: ~ 4- 8 weeks

Learning Journey

01 Nomination for Change Agents

Automation Change Leaders (ACL) (BU nomination driven)

Foundation Courses (Any 1)
AD – Assessment methodologies
AM – Assessment Methodologies

+

CIAP Courses
CIAP Overview
AIOPs Fundamentals context with CIAP (Optional course)

PE Change Leaders (BU nomination driven)

Foundation Courses
PE Course

Practical Application

02 Invites and tracking by AA team
BUs' will assign Change Mentors to ACLs' from their accounts

03 The Change Mentors will coach ACL. At the end of the design phase, an FTE plan is agreed, and ACLs' will take from there

04 The Change leaders to ensure implementation sign off on plan for at least 1 use case on Automation/PE levers is finalized and submit the documentation to the AA team to be certified

Automation-Specialist Change Mentors

Automation-Specialist Change Leaders

PE-Specialist Change Mentors

PE-Specialist Change Leaders

A&PE LEARNING CURRICULA – ALL COURSES HOSTED IN CAPGEMINI NEXT PLATFORM (TOTAL LEARNING DURATION ~4- 5HOURS)

Tracks	Courses (Any 1 Track)
AD Track	**AD Automation Assessment:** • AD Activities scope • 4 steps in Assessment Approach / Methodology • Templates/Questionnaires in assessment methodology • Capgemini Tools / Enablers like SmartQA Tooling, e-Collaborative JIRA, Production Line, e-VVM, Telosys, Swagger Codegen • Knowledge Quiz - 10 Questions 70%
AM Track	**AM Automation Assessment :** • AM scope with the big picture of AMS engagement and focus areas • Assessment approach or methodology • Capgemini automation tools or enablers like Smart analytics, IntelliMap, Autosynthesis and AutoFMA • Demo on assessment methodology • Knowledge Quiz - 10 Questions 70%

+

CIAP Courses (Optional)

CIAP Foundations
- Lesson 1 : Market context – Relevance of CIAP
- Lesson 2 : CIAP Overview
- Lesson 3 : CIAP Platform features and Architecture
- Lesson 4 : CIAP Platform success stories
- Lesson 5 : Demo on CIAP Platform
- Lesson 6 : Value Proposition on CIAP Platform
- Lesson 7 : Conclusion and Knowledge Quiz

Introduction to AIOPS
- Lesson 1: What is AIOps
- Lesson 2: AIOps – Key Components
- Lesson 3: Approach for enabling AIOps in organizations
- Lesson 4 : Market Guide for AIOPs Platforms
- Lesson 5 : CIAP as a key enabler in addressing AIOPs use cases

Productivity Enhancement	**PE Course :** • PE Focus Areas and Levers Introduction • PEMM / LMM (Maturity Assessment) Portal • Overview of Key Portfolios and Commercial Construct • PE Levers vs Portfolios applicability • Data Collection templates • PE Levers implementation sequence • Lean Analyzer Tool (LAT) for AM, IM_CIS, SD only • Syndication and Readout Deck preparation

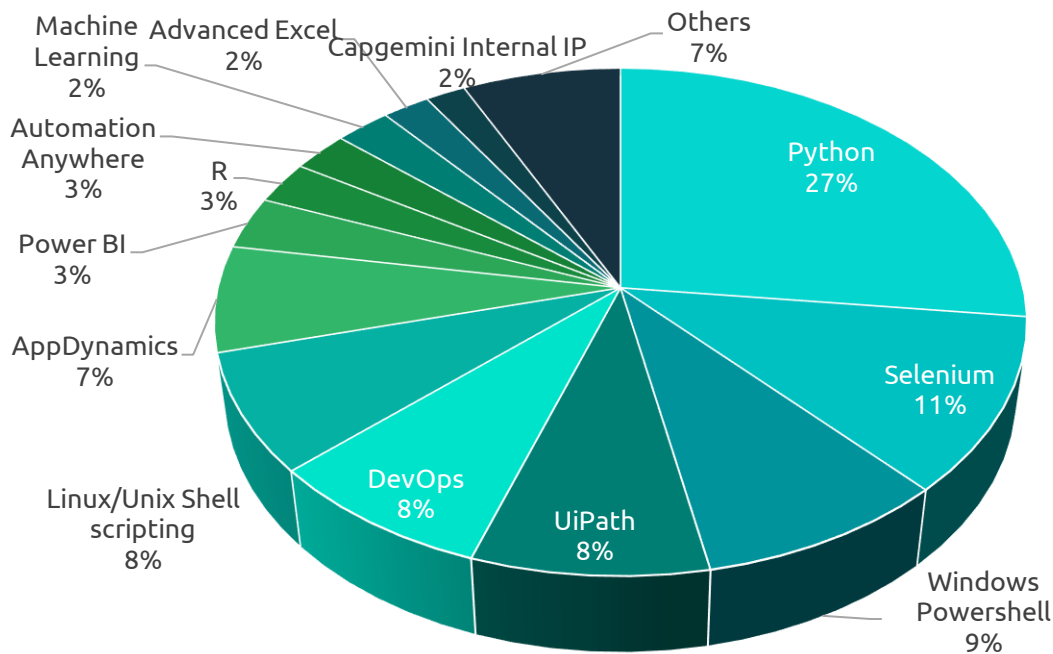# A&PE CERTIFICATES ON ACCOMPLISHMENT OF AN AUTOMATION/PE ASSIGNMENT

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AUTOMATION ACADEMY 2021- KEY MILESTONES ACHIEVED – A DEEP DIVE

Foundation learning Program

5000 + **Trained in at least 2 automation skillset**

Pie chart (Foundation learning Program):
- Python 27%
- Selenium 11%
- Windows Powershell 9%
- UiPath 8%
- DevOps 8%
- Linux/Unix Shell scripting 8%
- AppDynamics 7%
- Power BI 3%
- R 3%
- Automation Anywhere 3%
- Machine Learning 2%
- Advanced Excel 2%
- Capgemini Internal IP 2%
- Others 7%

Python, Selenium, PowerShell, UiPath and DevOps are the top 5 courses in demand

★ ★ ★ ★ ☆
4.69 Average Rating

Practitioner Certification

4200 + **Use Cases Implemented**

Use Case implementation Technologies

Pie chart:
- Other 33%
- RPA 15%
- ITPA 1%
- Orchestrators/ITSM 4%
- AI/ML/Analytics 2%
- DevOps/Test Automation 19%
- Scripting 23%
- Monitoring tools Apps/Infra 3%

Sample Clients

WB ER BROS. · IKEA · State Farm · Met · VOLVO · BD · Mcdonald's · AMERICAN FAMILY INSURANCE · KEMPER
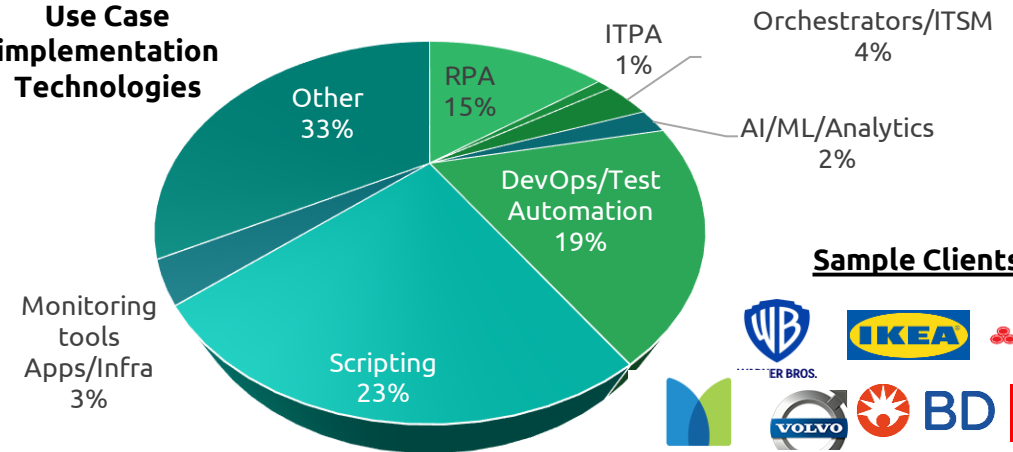
Sample use cases with tangible benefits

- **Savings - 300hrs/month** – Solving incidents using a bot designed by Python code extracts for IKEA
- **Savings 2 - 3 hours per day** – automated Claim creation process running the batches through Selenium tool using Maven Hybrid Framework for AmFam
- **Saved more than 50% efforts** – interface-based utility, which will automate the steps and smoothen DB query result fetching process.

About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of over 300,000 team members in nearly 50 countries. With its strong 50-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fueled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2020 global revenues of €16 billion.

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