# Introduction

## RPA history and its different terminologies

## RPA features and comparison of RPA tools

# UiPath Installation

## UiPath community version installation

## hello world run in Studio and Robot

## XAML - Extensible Application Markup Language

## Uipath Studio and robot tour

# Recording

## Recording introduction and comparison

## Basic

## Desktop

## Web

## Citrix

# Essential Programming fundamentals

## Data types - Boolean, Int, String, Array, List, Dictionary, Intro to other dotnet data types such as Object, image and etc

## Variables

## Arguments

## Assign

## Input dialog and Message box

## Conditions and switch case

## Looping- While, Do While and For each

# Basic UI Automation Activities

## Open application

## Click activities

## Type Into/Set Text

## Check

## Select item

## Get Text

## Get Attributes

## Ui Explorer

## Send hot keys

# Sequence/Flow chart/State machines

## Difference between/advantages of Sequence/flow chart and state machines

## Flow chart activities

## Sample State machines project

# String operations

## Strings in conditions- equal, contains, starts with

## Strings to trim, to upper, to lower, replace, split, substring

# Data scrapping and Data table

## HTML table extraction

## Pattern based table extraction

## Output data table

## Working with For each row

## Filter data table

## Build data table

## Add/remove data row

## Add/Remove data column

## Merge data table

## Sort Table data

## Data table Select query in assign activity

## Excel data table operations

## CSV data table operations

# Advanced UI Automation Activities

## Element Exist

## On Element Appear

## Take screen shot

## Anchor base

## Set Focus

## Invoke code

## Invoke Method

## Invoke xaml

## RPA Challenge

# Screen scrapping/OCR/Image Operations

## Click text/Click OCR text

## Screen scrapping-Native/Full Text/OCR

## Image click/Activities

# File operations

## Create/delete file

## Path exists

## Copy/Move file

## Read Text file

## Write text file

## Append text file

# Error/Exception handling-Try catch

## Try catch and different type of exception

## Throw and Re-throw

## Importance of Error handling in real time project

# Project Folder management/Configurations

## Project folder structure guidelines

## Best practicies

## Excel configuration

## XML Configuration

## XPATH Expression in XML

## JSON Configuration

## JSON Parser

# Import Library/Web services

## Import libraries

## SOAP request

## Restful request

# Orchestrator

## Introduction and overview of Orchestrator

## Create robot/machine/connection

## Project publishing-different types

## Creating process/Jobs run

## Assert creation- get/set asset & get/set credential

## Queue item - retry mechanism

## Add/delete queue items

## Add transaction item

## Get queue items

## Get transaction item

## Set transaction progress

## set transaction status

## Add log fields

# RE-Framework

## End to End explanation of RE-Framework

## Sample Project