

RPA

RPA -> Robotic Process Automation

- An automation to help with repetitive human process

RPA is a software robot that automates repetitive jobs humans do on computer

- use keyboards and user interfaces to interact with applications
- mimics human
- read actions data in structured form

ex.

- Make calculations
- Copy/Paste
- Fill forms
- Move files
- Open email/attachments

UiPath is a studio specialized in creating robot activity that can mimic human actions which users can easily create using drag and drop tool in the flow.

UiPath have 2 types of robots:

- ➔ Unattended - automatic robot that works in schedule
- ➔ Attended - user controlled robot

UiPath helps in reducing repetitive workloads.

UiPath can create sequences

Ex:

- ➔ Create sequence
- ➔ Open browser
- ➔ Type something into the user assigned object
- ➔ Press enter
- ➔ Click on desired link

This sequence can be run when you open your device.

UiPath can extract data from website using sequences.

- Can convert data into a spreadsheet. Ex: Excel files

UiPath robot workflow

- teach -> Do -> analysis -> Do -> Get sequence -> Robot performs as instructed

UiPath Core Production

- Designer -> UiPath studio -> deploy work to Conductor
- Conductor -> UiPath Orchestrator -> take work from Designer and control the robots
- Executor -> UiPath Robots -> execute work
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UiPath has other services

ex.:

- ➔ Train RPA
- ➔ Has a forum for quicker problem solving.
- ➔ Show Partner Technologies
- ➔ Downloadable reusable RPA&AI components for free

User can instruct what to do when something is out of the norm.

Ex:

- ➔ Notify user
- ➔ Pause work until instructed