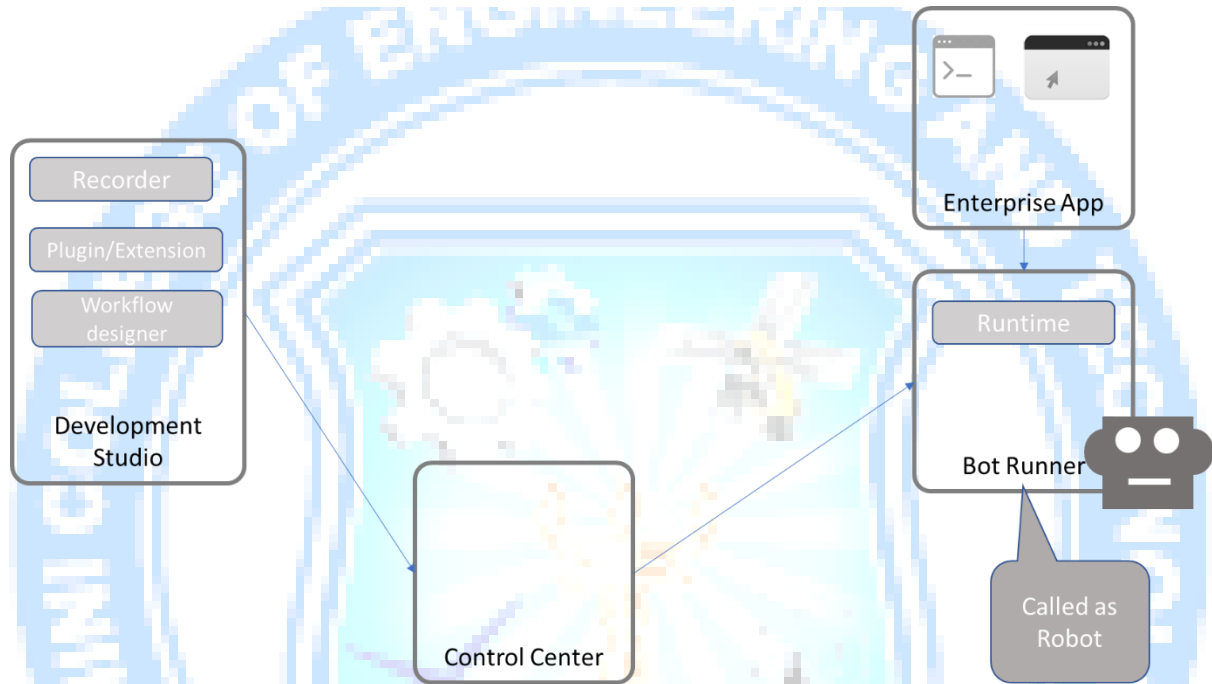## Components of RPA

Any Robotics process automation platform provides some basic components, which together build the platform.

The following are the basic or core components of RPA:

- **Recorder**
- **Development Studio**
- **Plugin/Extension**
- **Bot Runner**
- **Control Center**

Recorder

- The recorder is the part of the development studio that developers use to configure the Robots.
- It is like the macro recorder in Excel, the bot recorder in any platform, records steps.
- It records mouse and keyboard movements on the UI and this recording can be replayed to do the same steps again and again.
- This enables rapid automation. This component has played a very big role in the popularity of RPA.

Development studio

- The development studio is used by developers to create Robot configuration or train the Robots.
- Using the development studio, a set of instructions and decision-making logic is coded for Robots to execute.
- Some platforms provide flow-charting capabilities such as Visio, so it becomes very easy to plot steps in a process, whereas some other platforms require coding.

In most studios, in order to do commercial development, developers need to have a fair amount of knowledge of programming, for example, loops, if else, variable assignment, and so on.

Extensions and plugins

- Most platforms offer many plugins and extensions to ease the development and running of bots.
- In many applications, such as Java SAP, it is not easy to individually identify controls of the UI through traditional techniques.
- RPA vendors have developed plugins and extensions to help with these issues

Bot runner

This is also referred to as the Robot, other components make it run.

Control center

- The objective of the control room is to provide Robot management capabilities. It monitors and controls a robot's operation in a network.
- It can be used to start/stop Robots, make schedules for them, maintain and publish code, redeploy Robots to different tasks, and manage licenses and credentials.