ABOUT THE AUTOMATION AND ROBOTIZATION OF THE TECHNOLOGICAL PROCESS OF SOFTWARE

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INTRODUCTION

An robotic process automation technology is not a physical robot that can move physical paper processing (non-digital technological document). robotic process automation technology – a software technology when they imitate human actions working with computers and performing rule-based tasks the creation of several technological schemes, such as: sending orders by e-mail, automation opening attachments, logging into the system corporate program, moving files or folders, filling form, delete data from a web page, get structured data Automation and technical system design play an important role in the processes structured by pdf document and various other technological schemes. Despite imitating humans, robotic process automation technology able to work faster and more accurately than a human. This provides 24-hour technical support designed to achieve a high level of compliance and performance. However, robotic process automation technology is not intended to change or to reduce human labor, but to free them from repetitive labor, routine and boring tasks so they can focus on those tasks. for this requires creativity and technological knowledge and innovation. Robotic process automation is a form of business process automation technology based on the concept of software robots or artificial intelligence workers. For example, if we are planning to create a workload model for a new retail industry feature application for a retail website, we can perform the following steps using robotic process automation technology tools. It can be used in every field. This allows forming the development stages of technological automation. Involved mode uses the robot as a personal assistant. A worker working on a local desktop (individual computer) and acts as an individual worker. The robot then works receiving orders from the worker, entering the system, search for information / information, identify the necessary information, sends the results to the worker and waits for his evaluation, if if the data is correct, it will be forwarded to the next process, This

can be: creating a new report or updating an old report. Disadvantages of the involved mode are when working with a robot the worker's computer is accepted to perform the process by the robot, so the workers can't do anything with the computer. However, this is not a problem because the robot does it the process implements technological processes more accurately and faster than the worker. A hybrid mode is a combination between involved and is an unattended mode. It is used to execute an existing long process. two parts (consisting of a decision part and a full automation part). As an example, the worker initiates the process by activating the robot involved and this robot activates the unattended robot to do the rest. This process (consists of a full automation part and a technical system support structure). In other cases, neglect the robot starts the process according to the schedule. It works until then the decision-making part that requires human intervention moves towards the technological system. This performed by the participating robot as soon as the part is unattended and the robot activates it, the automation scheme plays an important role in this process. As a new technology, robotic process automation technology is far from perfect. Everyone is behind with the above benefits, robotic process automation technology has some limitations. These are limits must be known in advance, so the company can lower his expectations. However, there is one thing to keep in mind keep in mind that current restrictions won't last forever. The robotic process automation technology service providers try to disable them constraints, to provide the best product and win competition in the robotic process automation technology market. The following are current limitations of robotic process automation technology.

*robotic process automation technology cannot read non-electronic data unstructured inputs. Sometimes companies get data cannot be data written on paper . directly captured by robotic process automation technology, especially if it is recorded with handwriting. It is asking for solutions the use of additional technologies such as digital data or possible optical character reader converting non-digital data.

* Differences format form (various fields), will be complicating robotic process automation technology. As an example in the invoice process, if each supplier's invoice is different format, robotic process automation technology has difficulty capturing and scan relevant data to be entered problems arise in technology systems. A different format creates a design robotic process automation technology cannot handle the command of various more complex automation processes.
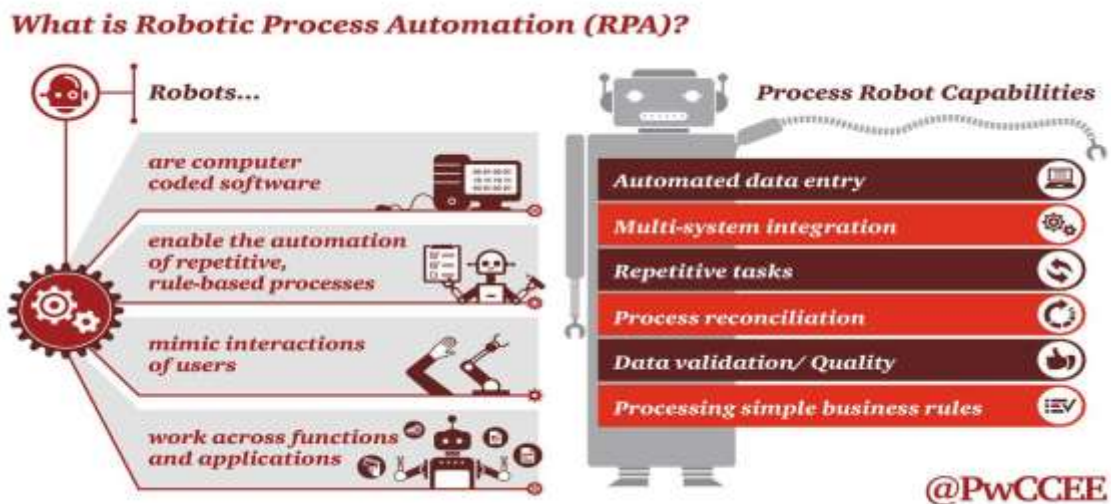
Picture 1. Compare ROBOTIC PROCESS AUTOMATION TECHNOLOGY with other technologies and create an automation framework.

Robotics process automation gives organizations technological permission automating a task as if it were being performed by a human executes command across applications and systems. Robotic automation interacts and with existing IT technology without a complex system integration is necessary. Robotic process automation technology can be used to automate workflow, infrastructure, labor intensive back office process. These programs bots can interact with an internal application, website, user portal and others. Robotic process automation technology is a program that is one end user's PC, laptop or mobile device. This is a sequence commands executed by Bots under some specified a set of business rules. The main goal of the robotics process process automation to transform repetitive and tedious work a task performed by humans with a virtual workforce. Robotic process automation technology does not require code development. Automation provides direct access to the application's code or database. Email Automation: A large part of any supply chain is properly maintained and makes it possible to communicate with suppliers, manufacturers; can also serve transportation service agencies and customers. Even succinct and effective communication though an important part of supply chains, often just that there is also a great need for improvement. To provide proper cooperation between employees in different areas Departments, e-mail contact should be established with robotic process automation technology. Effective execution of technological processes is very important. Technological command communication at the time of shipment successfully delivered, never between them or delayed and when they need to be cancelled, these will work depending on the automation system. Effective communication between all participants it is necessary to ensure that the client receives and should be experimented

with. Robotic process automation technology can be used to automate this communication process by running email and text can send messages sequentially when a specific event occurs. According to the report published by Azizbek Utelbaev, automated technologies in mining areas were reflected in his articles to overcome the shortcomings that still exist. This can create a number of opportunities for the automation system of technologies in the mining industry in Uzbekistan. Build an robotic process automation technology strategy or go for it for the first time. The 3 main challenges highlighted in the report are :

Process Standardization – Complex processes lead to the complexity in the robot. At all stages of robotic process automation technology travel, face process standardization as organizations critical problem. The complexity of the processes increases the costs of implementing robotic process automation technology are increasing operational costs and business disruption. Where organizations, unfortunately, understand this there are relevant documents, even in those places processes are not always well understood.

IT support - IT support and consulting organization is critical when developing an robotic process automation technology strategy supply chain. It is necessary and recommended to include it IT organization across robotic process automation technology implementation process.

Flexibility of the solution – Robotic process automation technology was used in the beginning should be considered a stable automation process. This Robots had the notion that they only learn once perfect lessons should be taught for them do it later. Thanks to artificial intelligence and Machine learning, the flexibility of the solution can now be although agility has been added to all stages of automation perceived as a challenge.

CONCLUSIONS

In this article, we looked at performance test workload modeling using automation for technologies and we were able to structure the processes to make the manual process more lean and easier to use. I explained the application of robotic process automation for assembly and design. His reviewed the performance engineering workload model and explained the shortcomings of the manual. The process of creating the modeling also explained the exemplary method of using robotic automation. A tool for obtaining statistical data, as well as a system for using the automation request form to capture the demand for the technology automation process, has been established. Developing and implementing a new automated process ensures performance test workload modeling becomes more accurate and easier to create. This is the first step in implementing robotic automation in performance testing modeling. A major focus of future work is the integration of automated performance testing will consist of the development of technological processes related to the tool of performance verification with robotic process automation. Utelbaev Azizbek, a student of the Nukus Mining Institute at the Navoi State University of Mining and Technology, gave several examples of the processes of their application in mining and presented to international journals the methods of automation of mining technologies through microprocessors and the technologies in mining at the same time. proved with several examples that it can be used in several technological processes. The use of modern technologies plays an important role in the development economy of the mine. It is necessary to pay attention to the parameters of technologies when automating processes in mining enterprises. Do not set the load beyond the limits of the technology, only then the technology will work for a long time without problems. In this article, I will inform you that if we install a microprocessor (automatic mode memory) in the technology in the mining enterprises, we will prevent the overloading of the technology. This ensures the operation of the enterprise and the safety of workers. I want to further develop the robotic and automated system of technology in the mining industry and for this, I will not stop researching and can observe and study automation processes. I have a great interest in this field.

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