









THE IMPORTANCE OF AUTOMATION PROCESS

Someone once said, “Laziness is the engine of progress,” and people throughout history have sought the possibility of working less and receiving more. Nowadays, it is not an exception. With the abrupt development of information technologies, more and more processes are automated, allowing people to focus on other problems or save enough time to rest.

Many companies, such as the International Labor Organization, World Economic Forum, and OECD, have been researching this issue. The most exciting articles belong to McKinsey & Company. According to one of their articles [1], which focuses on the economic impact of automation, some new technologies promise double-digit or even triple-digit same-year returns. Companies can see significant financial benefits quickly by implementing automation processes.

Manual, expensive, error-prone process	Automated through RPA in 2 weeks
 <p>Tens of thousands of life insurance policies in suspense that need to be remediated</p>	 <p>Robots developed on an RPA platform within two weeks by a Digital McKinsey team</p>
 <p>Regulatory pressure on the client from multiple state regulators to bring policies out of suspense before the deadline</p>	 <p>Suspense-remediation activity automated & executed by robots Number of robots highly scalable (no additional training time/robot) Policy-conversion time for each policy reduced by 50%</p>
 <p>30+ individuals working on remediation on a daily basis; five to seven minutes of manual effort required to bring each policy out of suspense</p>	 <p>Skilled resources freed up to work on higher-value activities Human errors mostly eliminated</p>
 <p>3-4 weeks of training to bring a new individual onboard and make them productive</p>	 <p>80% reduction in process cost Tremendous improvement in process quality, logging, and auditability</p>

Picture 1. Benefits of using RPA over Manual process

In picture 1, we can see the benefits of using RPA (robot process automation) over old and painful manual processes. Tony Robbins once said: “Routine is the biggest enemy of efficiency.” His phrase synergies perfectly with the presented picture. Teaching people how to do some processes manually takes 3-4 weeks, and if that process is complicated to maintain, we need a lot of people, which costs a lot of time and money for the company. Instead of all of that, we can teach robots to maintain that process and appoint very few people to supervise the work.

And this is just the beginning. If we delve into something simpler than extensive enterprise processes, such as the work of teachers, we can see that there is a vast potential for automation. According to the USA National Teacher Survey [2], conducted by the

EdWeek Research Center, a typical teacher works a median of 54 hours per week. However, only 46 percent of their time in the school building is spent teaching. In addition to teaching, they are engaged in administrative work, lesson preparations, collaborations with colleagues, and more.

Considering the above, it is no wonder that teacher job satisfaction has hit an all-time low. In correspondence with another EdWeek article [3], only 12 percent of teachers say they're "delighted" with their jobs. Not only that, but teachers also complain that they are less and less respected. If we also consider that teachers' salaries are not very high, then at this rate, more and more teachers will quit their jobs.

That's why the topic of further investigation is "Teacher's assistant: semi-automatic generation of work programs for the courses of educational programs," which is relevant and aims to make life easier for educators. Creating an appropriate work program is also a massive piece of labor; therefore, it can be easily automated. The main goal is to create a handy platform so teachers can spend more time on other equally important things.

One of the previous abstracts [4] described the importance of AI (artificial intelligence) and its benefits. It is recommended that an AI model be implemented in the project because, in such a way, it can be further upgraded. Work programs will be more accurate with each generation, saving us time, which is very valuable nowadays.

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