RECOCHAIN
Recochain Private Limited

AUTOMATING AUDITS

Recochain's RPA Elevates Efficiency for Global Biotech Cancer Therapies

About the Customer:

A Global Biotechnology Company focuses on researching, manufacturing, and commercializing cell therapies for cancer diseases. They utilize NucleoCounter® NC-200™ instruments for automatic cell counting and analysis in their manufacturing department.

Business Challenge:

The audit process for the automatic cell counters is manual, labour-intensive, and time-consuming. The steps involved are:

- ☑ Logging into systems connected to the instruments.
- ☑ Exporting logs for the past months.
- ☑ Analyzing logs for anomalies.
- ☑ Summarizing audit results.
- ☑ Consolidating and storing audit reports.

Challenges Addressed:

- ☑ **Manual Effort**: 70% of time spent on repetitive tasks.
- ☑ **Efficiency:** Processes take up to 5 hours per audit.
- ☑ **Compliance:** High risk of human error affecting regulatory adherence.

The Solution:

A Modern Technology-driven Solution was proposed to automate the manual audit process using Robotic Process Automation (RPA). The solution features:

- ☑ **RPA Technology:** Automates repetitive, high-volume tasks with review logic/rules.
- ☑ **Machine Learning & Generative AI:** For core log analysis and compliance report generation.
- ☑ **Rule-based Engine:** For calculating statistics, detecting anomalies, and creating standard reports.
- ☑ **Notifications:** Automatic notifications of bot activity through Teams and Email

GOAL

Automate the manual audit process for NucleoCounter® NC-200™ instruments to reduce labour and increase efficiency.

STORY

The client faced a labour intensive and time consuming audit process that involved manual log collection, analysis, and report generation for each instrument.

SOLUTION

A Robotic Process Automation (RPA) solution was implemented to automate 90% of repetitive tasks, supported by Machine Learning and Generative AI for advanced log analysis and report generation.

Result

- Manual Effort: Reduced by 85%
- Efficiency: Increased by 60%
- Compliance: Improved with 95% reduction in errors
- Productivity: Enhanced with a 40% shift towards higher-value tasks.

Solution Highlights:

1 ## Automation Coverage:
90% of manual tasks automated.

2 ## Development Time:
Reduced by 50% using low code or no code platform.

3 ## Scalability:
Easily scalable to match changing business needs.

Impact:

1 ## Reduced Manual Effort:
Decreased by 85%, saving significant labor hours.

2 ## Increased Efficiency:
Process time reduced by 60%, audits now completed in 2 hours.

3 ## Improved Compliance:
Human errors reduced by 95%, ensuring consistent and reliable results.

4 ## Enhanced Productivity:
Employees can now focus 40% more on higher-value activities.