

Internal Audit as an enabler for organization-wide Digitalization and Process automation



 $16^{TH} - 18^{TH}$ NOVEMBER, 2021

ATLANTIS, THE PALM HOTEL, DUBAI

enhanced expectations from the IA function

As per the IIA, Internal auditing is an independent, objective assurance and consulting activity designed to add value and improve an organization's operations. It helps an organization accomplish its objectives by bringing a systematic, disciplined approach to evaluate and improve the effectiveness of risk management, control, and governance processes.

The management now needs



How internal auditors are attempting to 'value add':

- Automated control monitoring
- Design adequacy review for transformational projects and new system implementations
- Identification of cost saving opportunities

about ANB



Apoorva Yatindra
Head Telecom and
Automation

Apoorva Yatindra is part of the leadership team of the Business Risk Management vertical at ANB and has more than 18 years of experience in internal audits, consulting & risk advisory services.

He heads the Telecom vertical at ANB and services clients across 25+ countries in SE Asia, Middle East and Africa.

He also leads ANB's automation initiatives and is actively involved in development of the 'Governance through Robotics' platform.



Multi Locational

- ▶ Multi-locational servicing capability with offices in India, Dubai, London and Nairobi.
- Servicing clients in 25+ countries across SE Asia, Middle east and Africa.



Multi Industry expertise

- Telecom, Media and Technology
- Banking, Insurance and Financial Services
- ▶ IT and ITES
- Manufacturing, Pharma and others



Automation focused

- drut | Unified automation platform enabling data collection, analytics and dashboarding
- ▶ Inherent OCR engine
- ► Low code BOT creator for connecting to different systems



Multi-skilled Team

- Multi skilled team comprising Chartered Accountants, Bankers, IT experts, MBAs, CISAs, Engineers, Lawyers, etc.
- Multilingual resources across various countries
- Resources with specific Industry/ domain expertise

about Indus Towers



Sarabhjit Singh
Chief of Internal Audit
and Assurance

Sarabhjit Singh plays leader ship role in managing Risk and assurance function. He has 22+ years of global experience working in diversified organizations and multiple geographies including Big 4 Consulting firms.

He has expertise in Business Process Review, Fraud Investigations, Risk Assessment & Management. He is focused on Automation and building efficiency. Robotic process automation (RPAs), Power BI – DSS platform and Data Analytics tools for enhancing risk coverage & efficiency; Artificial Intelligence Auditing Framework.

He is Chartered Accountant (India), CIA and CISA passed professional with high degree of focus on second line of defense within organizations and driving the management towards adoption of "Al-Enabled" Mindset

key indicators

Annual Revenue USD 3.5bn

Listed entity with market capitalization of USD 10.64bn

180K+ towers

330K+ tenancies



products



Towers: Deployment of passive physical infrastructure to house the active equipment



Space: Acquisition of requisite space for placing passive infrastructure



Power: Innovative energy solutions for powering active equipment



Smart Cities: Smart city partnerships with municipal corporation across cities

services



Tower operations center: Round-the-clock surveillance services



Green Technology: Indoor-Outdoor conversion, achieved through natural cooling



why IA is best placed for enabling process automation

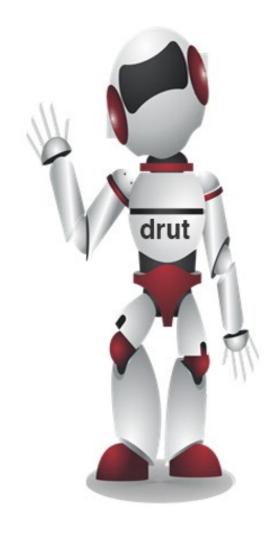
- Only function with 360 degree view of entity wide operational processes
- Strong understanding of existing systems
- Team of domain experts with continual exposure to processes
- Visibility of transformational initiatives



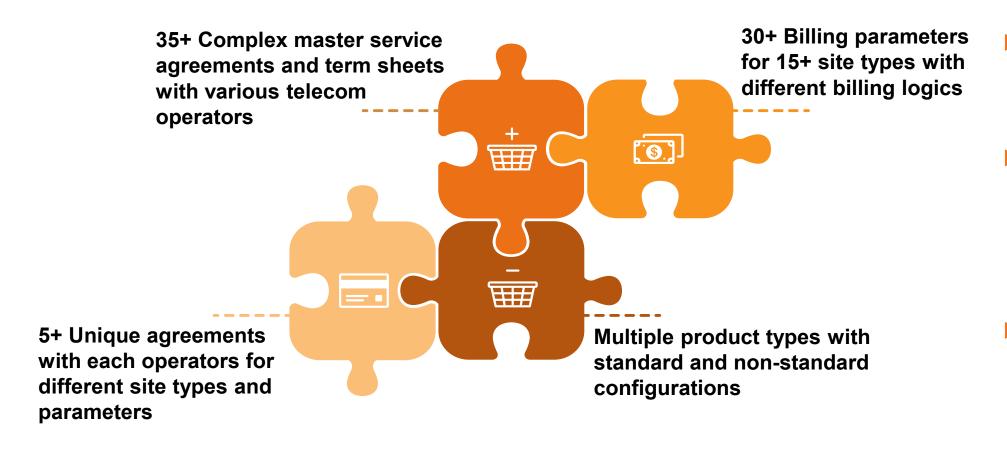
Why business should leverage on IA expertise

- Business is pre-occupied with day-today operational procedures
- Save efforts on functional knowledge download to IT teams
- Utilize expertise of third party consultants and automation solutions
- Leverage IA's continuous process monitoring through concurrent audit reviews

case study | revenue assurance automation at Indus towers



challenges in RA validation



operational challenges

- Manual validation done for sample sites
- Each billing parameter gets validated only once a quarter/ year
- Potential operational errors and miss-outs due to manual validation

overall approach adopted for automation

Process and system understanding







notes









Assessment of current system functionalities

Building automation along with internal audits is time saving for the operations team

Identification of process automation opportunities



Understanding current state of process digitalisation



Identification of automation opportunities along with IA activities



Drafting process flow charts with improvement opportunities



Final assessment on automation with existing reports or BOTs

- Process downloads given during IA activity can be utilized for automation
- Data used for IA can be utilized for automation

User inputs and alignment



Obtaining user inputs on automation opportunities



User alignment on automation approach



Data source identification (system/ manual)



Alignment on final actionable

automation system | unified process automation platform

data collection



- Customized system connectors for auto-extraction of data
- Unstructured data imported from shared path
- Connectors for all prominent systems
- One-time rule creation for data extraction

automated data processing



- One-time configuration of data processing rules and sequence
- Data processing rules can be set up through front-end query builder
- Complex data processing scenarios can be set up using Python, SQL etc.

reporting



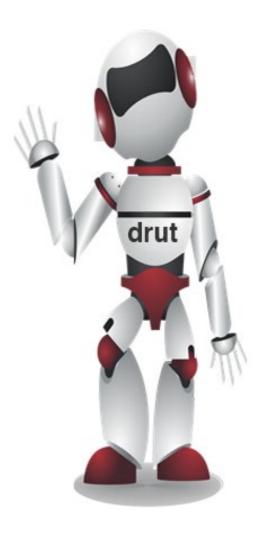
- Auto-mailers of exceptions to stakeholders
- Updating exceptions in relevant application / BI
- Auto-generation of MIS for exceptions

typical features

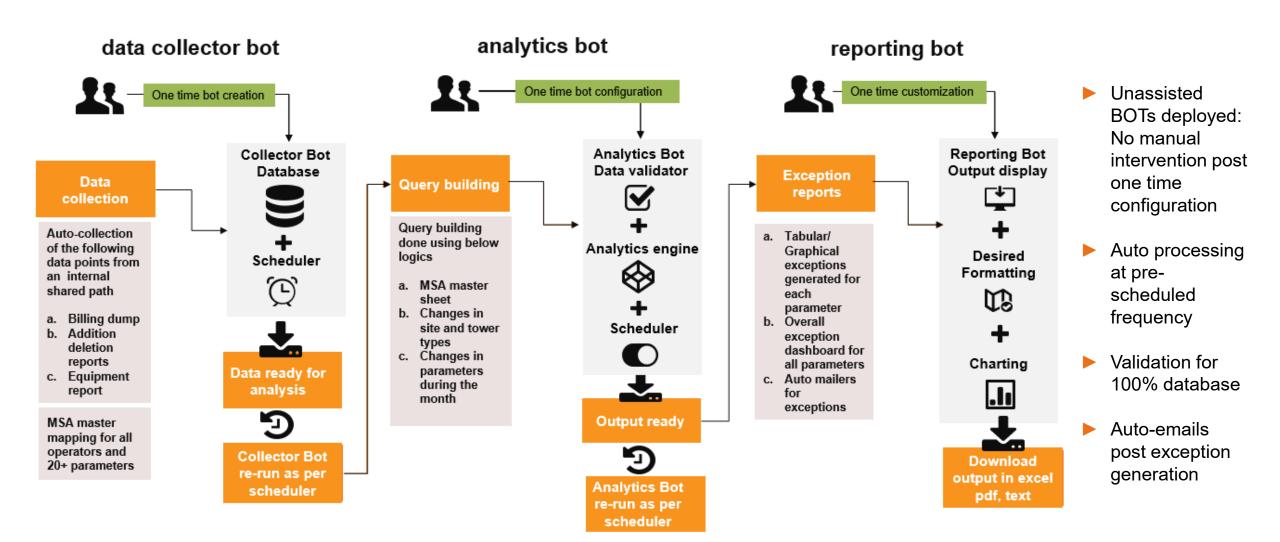
connectors for prominent systems (SAP, Oracle, CRM)

connectors for all leading analytics tools (excel, SQL, access, python)

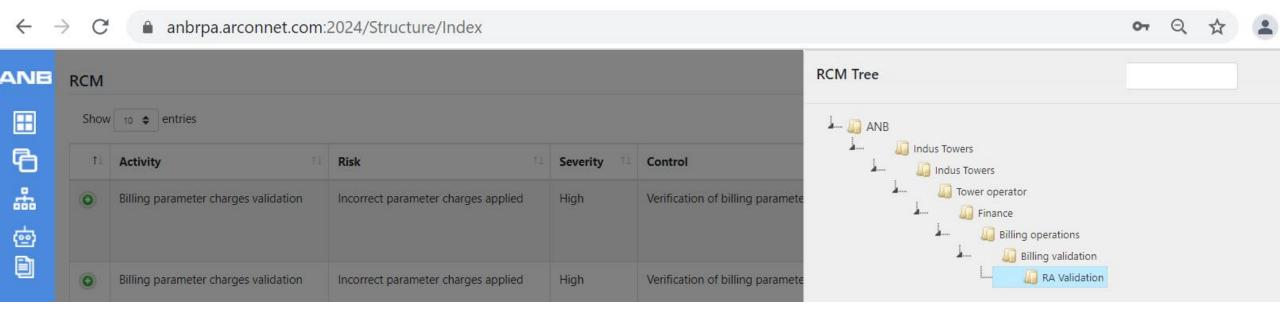
auto-mailers to stakeholders



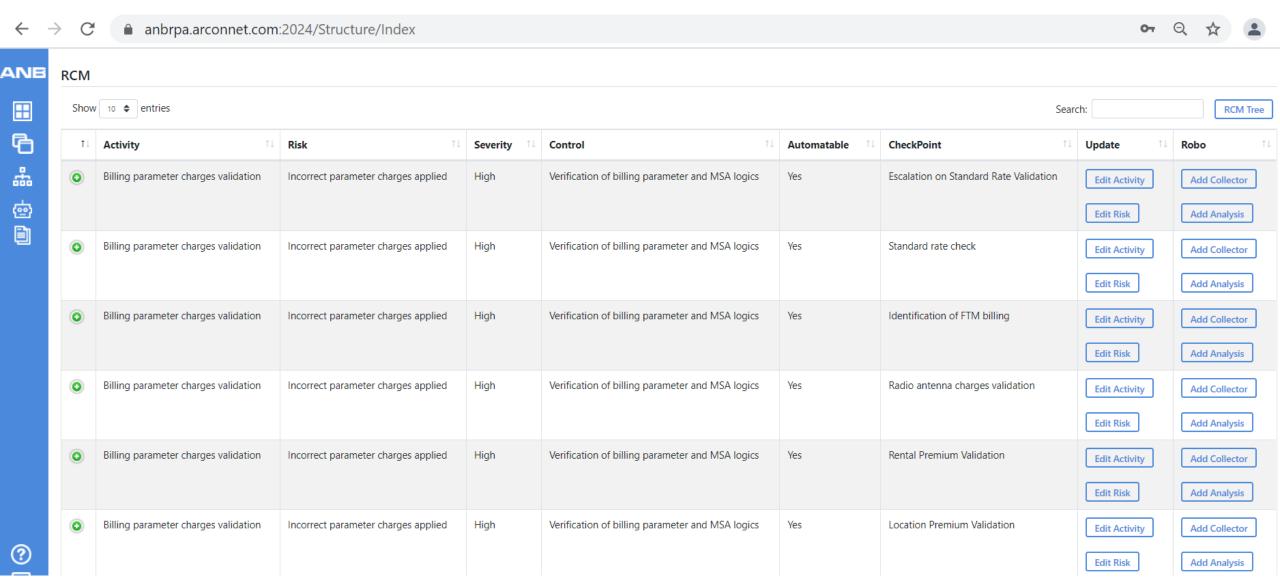
how does the automation work



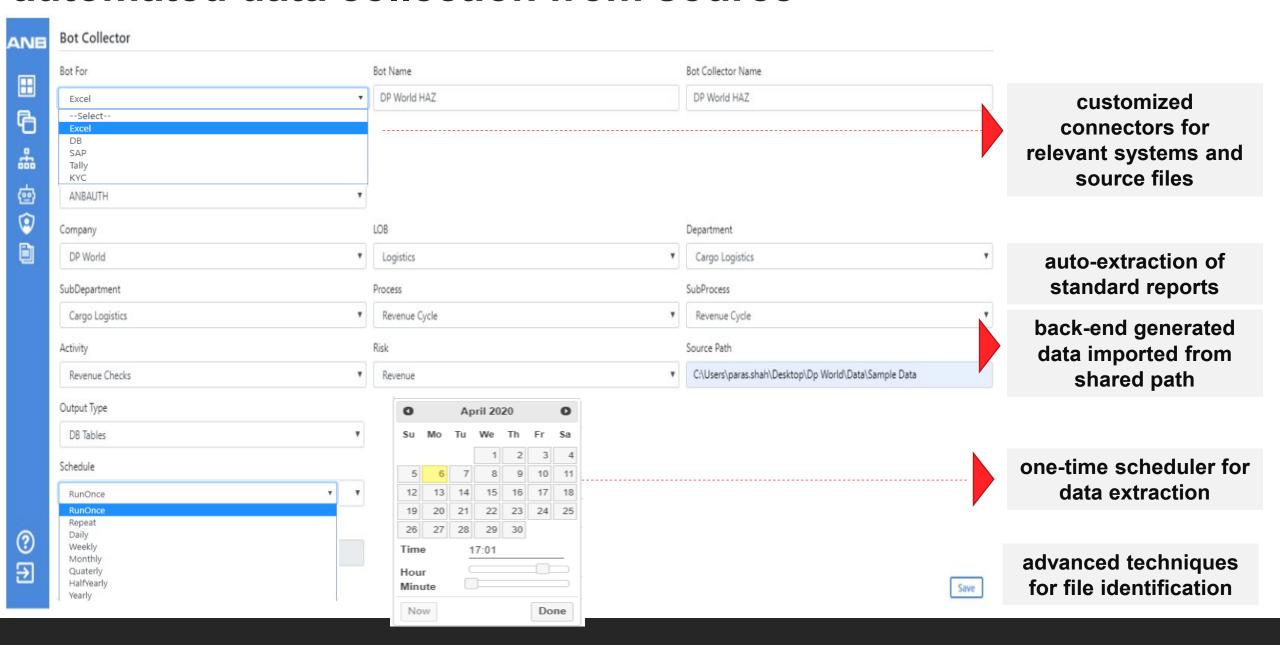
creation of organizational process tree



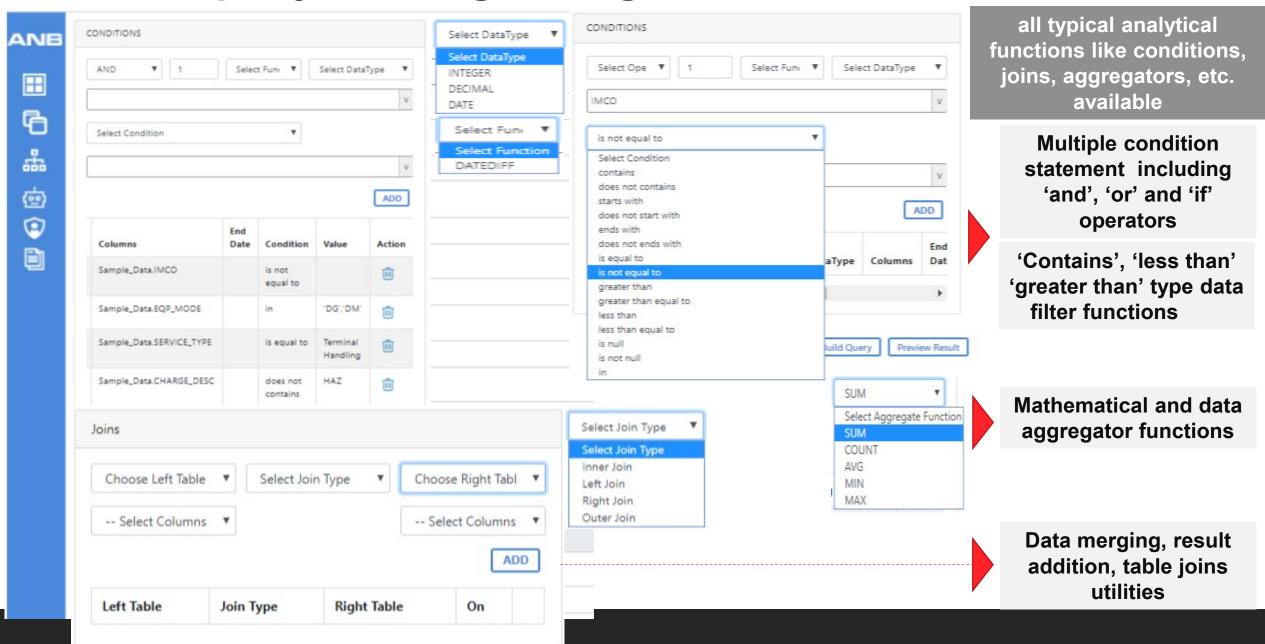
listing of activity universe

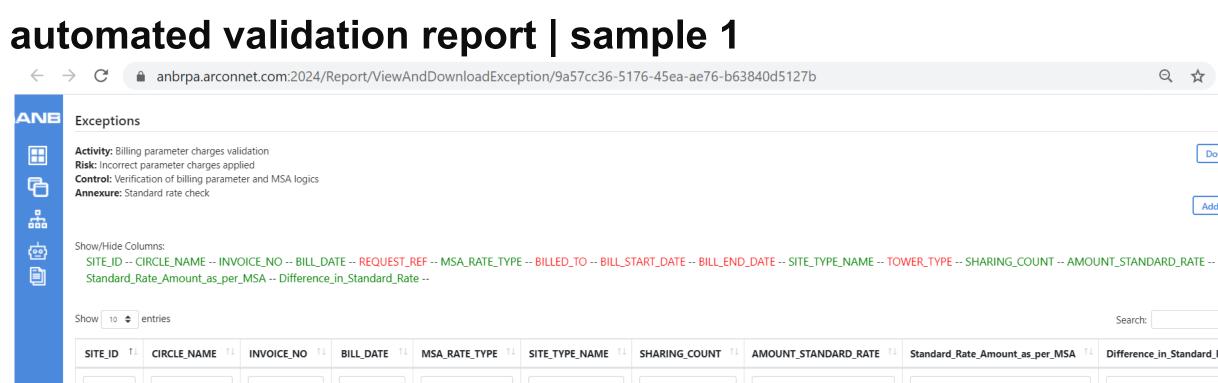


automated data collection from source



low code query building through front end





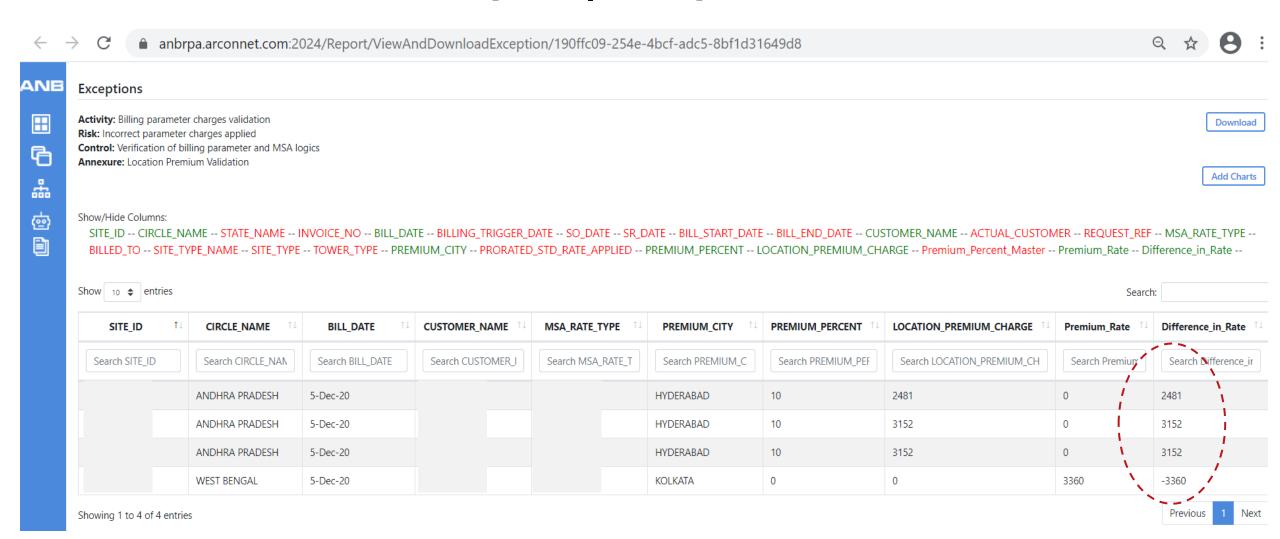
SITE_ID ↑↓	CIRCLE_NAME 11	INVOICE_NO 1	BILL_DATE ↑↓	MSA_RATE_TYPE T	SITE_TYPE_NAME T	SHARING_COUNT 1	AMOUNT_STANDARD_RATE	Standard_Rate_Amount_as_per_MSA 1	Difference_in_Standard_Rate
Search S	Search CIRCLE_	Search INVOIC	Search BILL_	Search MSA_RATE	Search SITE_TYPE_I	Search SHARING_C	Search AMOUNT_STANDARD.	Search Standard_Rate_Amount_as_per_	Search Difference_in_Standard
	UP WEST		5-Dec-20		NORMAL	2	33942.25	32000	1942.25
1	UP WEST		5-Dec-20		NORMAL	2	33660	30600	3060.00
	UP WEST		5-Dec-20		NORMAL	3	31679.43	30000	1679.43
1	UP WEST		5-Dec-20		NORMAL	3	30120	30000	120.00
	UP WEST		5-Dec-20		STRATEGIC	2	30600	45000	-14400.00
1	UP WEST		5-Dec-20		STRATEGIC	1	35700	67000	-31300.00
	UP WEST		5-Dec-20		STRATEGIC	2	30600	45000	-14400.00
)	UP WEST		5-Dec-20		STRATEGIC	2	30600	45000	-14400.00

Download

Add Charts

Search:

automated validation report | sample 2



so what did the automation achieve!

Validation performed on 100% data

25+ MSA parameters validated

85+ reports automated

Significant man hours saved

The Problem:

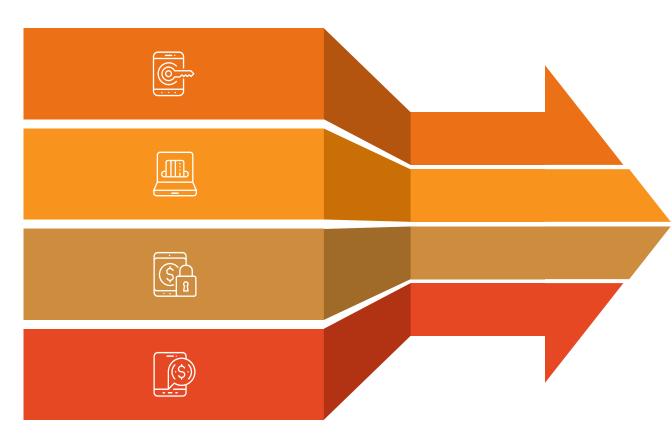
- a. Manual validation for sample sites
- b. Each parameter validated only once a quarter
- c. Potential operational errors and miss-outs due to manual validation
- d. Time consuming validation due to huge data size and ongoing changes in parameters
- e. Validation challenges due to multiple MSA's created with parameter level charging rates

Solution provided:

- a. Automated validation for 100% of the sites.
- b. Recurring monthly validation
- c. Enhanced accuracy due to system based validation with minimal human intervention
- d. Efficient validation through system based automation
- e. Created flexible masters to accommodate changes in MSA rates

way forward | IA as a trusted automation partner

The following automation projects were initiated after successful RA control automation



Finance Processes

▶ 24+ processes within finance with 350+ activities identified for automation

Invoice validation

- Invoice data extraction from QR codes used for GST invoices
- Data validation from invoice vs QR code for GST compliance

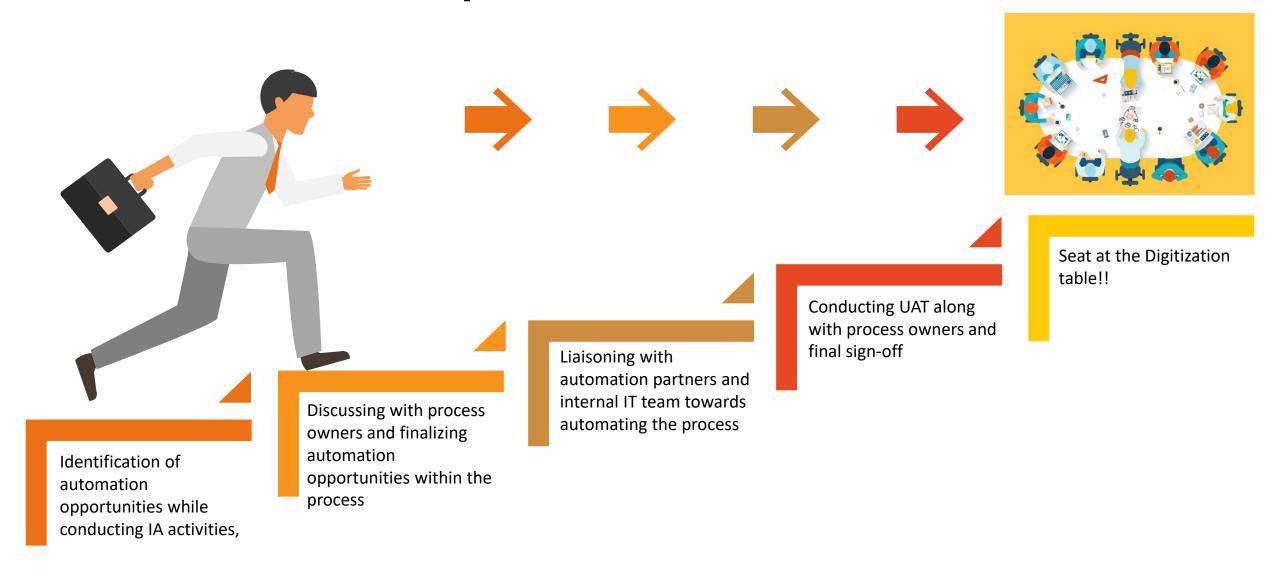
Expense provisioning

Data filtration and auto provisioning of energy expenses

Tax processes

Automated reconciliation of tax accounts and book accounts

what should be the IA pitch



Thank you!

