

STIC/NUCINT

AI Demand for NUGEPNAC (TJRO)



Demand Objectives

Implement AI tools capable of:

- **Identifying dates** related to stayed (suspended) processes.
- **Suggesting links** to existing IRDRs (Incidents for Resolution of Repetitive Demands).
- **Suggesting the creation** of new IRDRs.
- **Monitoring** Actions of Concentrated Constitutional Control.



Stayed Process Dates



Current Scenario

Previously, upon receiving stay information, manual verification of each case was required to locate the correct date in documents and rectify it before sending it to the National Precedent Bank (BNP) to meet CNJ Quality Award requirements.

- Stay Date
- Judgment Date
- Finality Date
- Closing Date



Solution

Implementation of an AI tool capable of analyzing procedural movements and documents to extract the correct dates to be reported, according to NUGEPNAC business rules.

REENVIAR SOBRESTADOS AO CNJ

Processo Nº 7027725-52.2020.8.22.0001

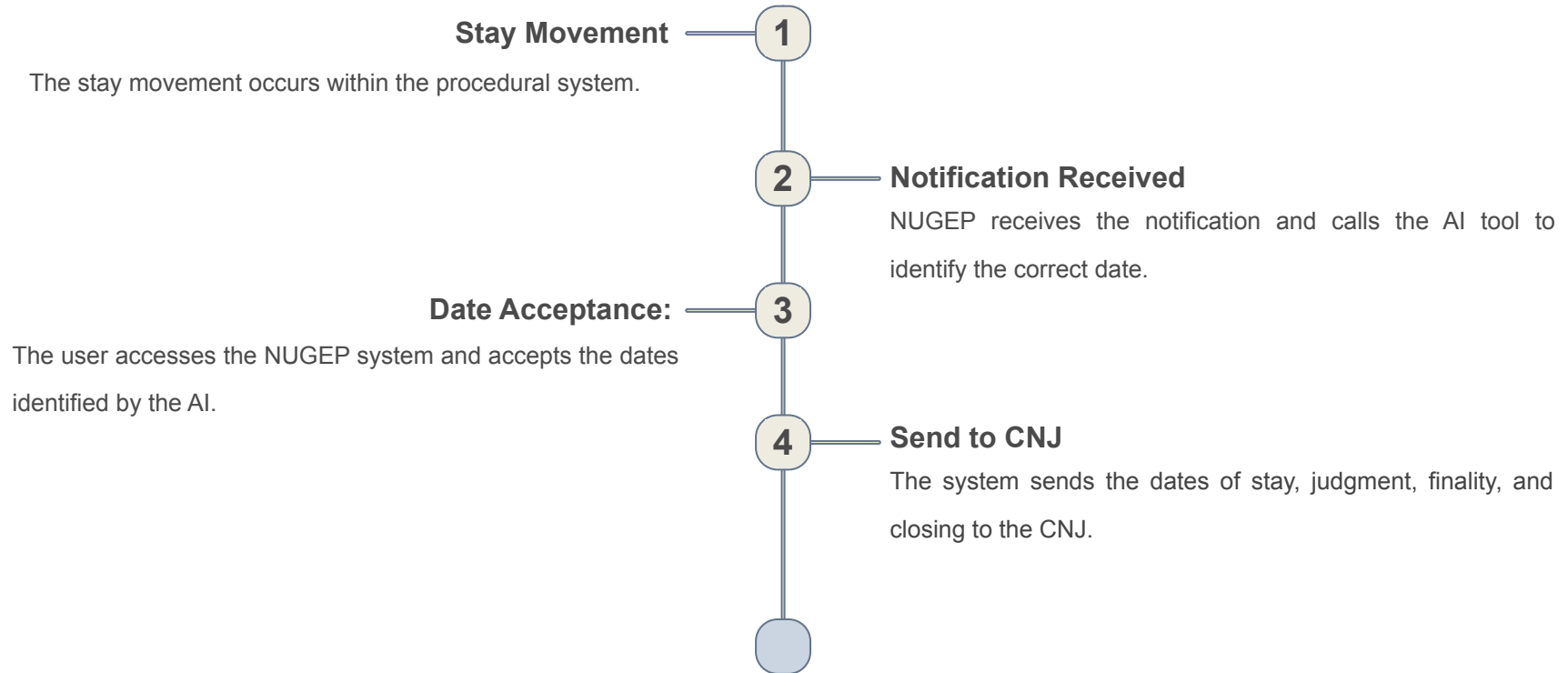
Órgão Julgador: Gabinete Des. Isaias Fonseca Moraes (3480)	Classe: 198 Apelação Cível	
Dt. Distribuição: 03/12/2021	Dt. Sobrestamento: 16/01/2023	Dt. Baixa: 02/04/2024
Dt. Julgamento: 04/03/2024	Dt. Transitado: 01/04/2024	Instância: SEGUNDO GRAU
Decisão Merito: Não		
Dt. Enviado CNJ: 10/07/2024 18:15:45		

EDITAR

EXCLUIR

DOCUMENTOS

Workflow



Linking to IRDR



Current Scenario

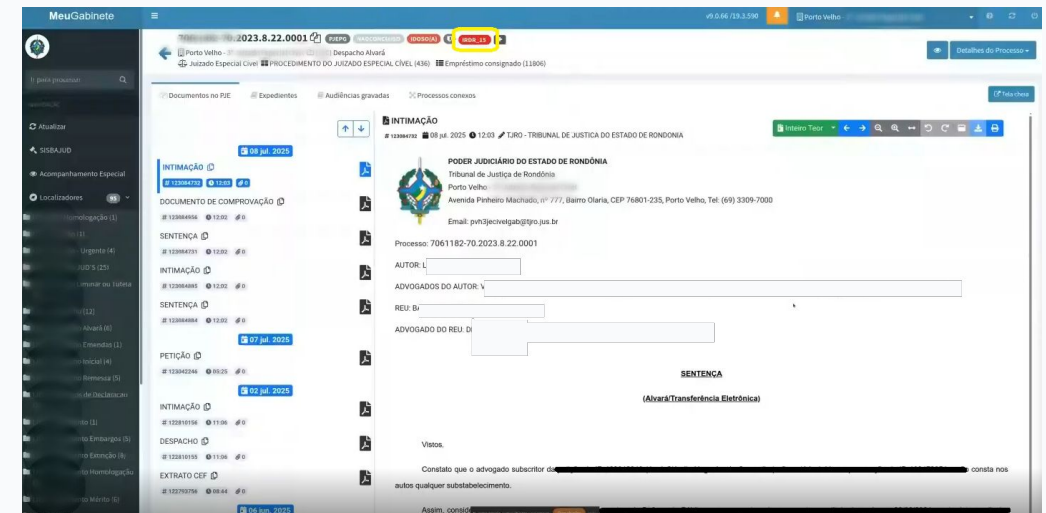
When analyzing a case, the judge/clerk must manually consult the court's IRDRs to check if the case is affected. This requires opening multiple screens and breaks the train of thought.

- Need to open multiple screens
- Disruption of the train of thought

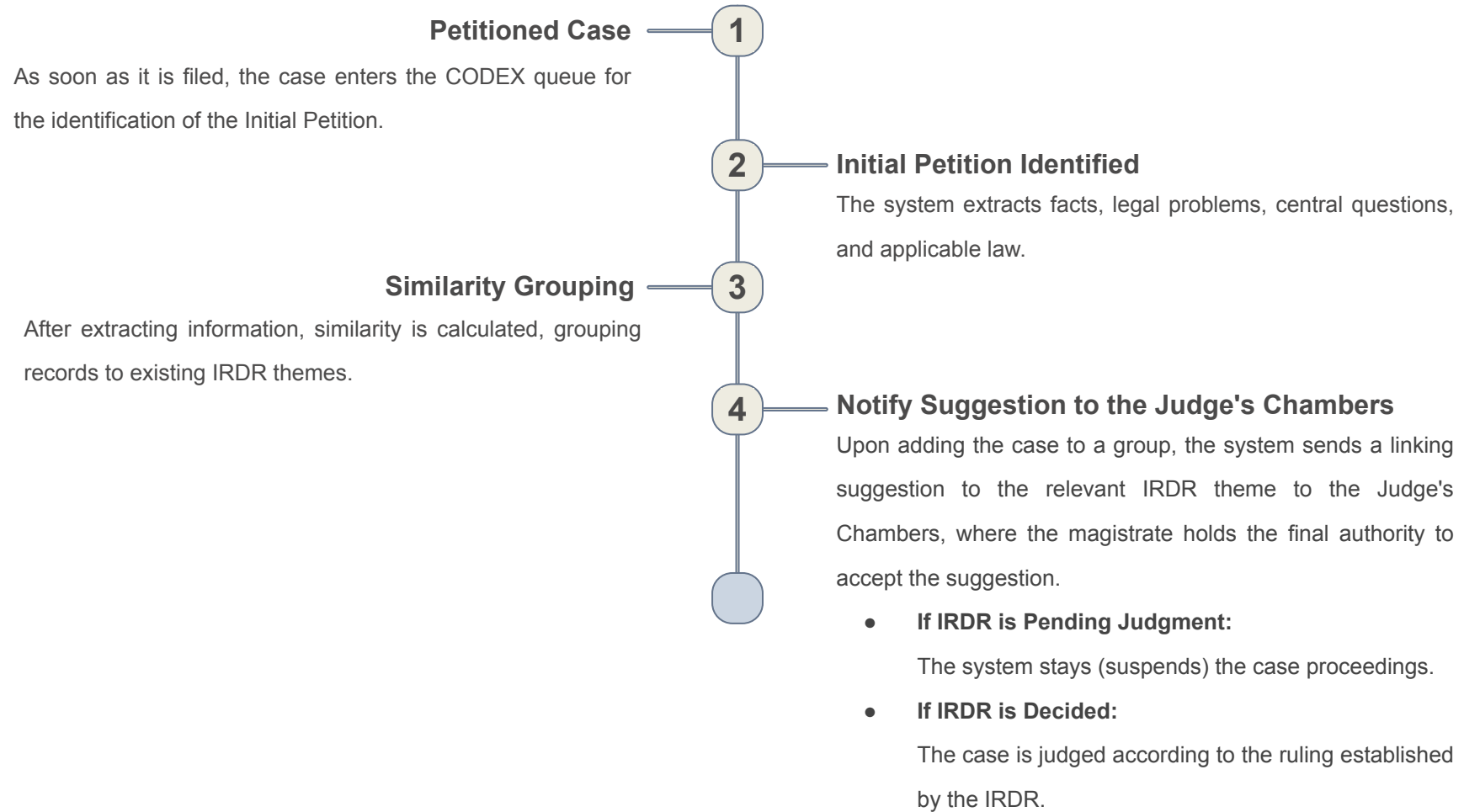


Solution

We implemented a tool that "reads" the digital archive, groups identical cases, and delivers the suggestion directly onto the judge/clerk's workspace.



Operating Flow



Suggesting New IRDRs



Current Scenario

Currently, the identification of new repetitive demands is performed manually and unsystematically, which leads to the following bottlenecks:

- **Reliance on human perception:** Manual identification depends on the memory of court staff and magistrates.
- **Lack of systemic visibility:** Inability to view similar cases distributed across other courts or jurisdictions.
- **Lack of impact awareness:** Difficulty in measuring the actual volume of a specific theme.

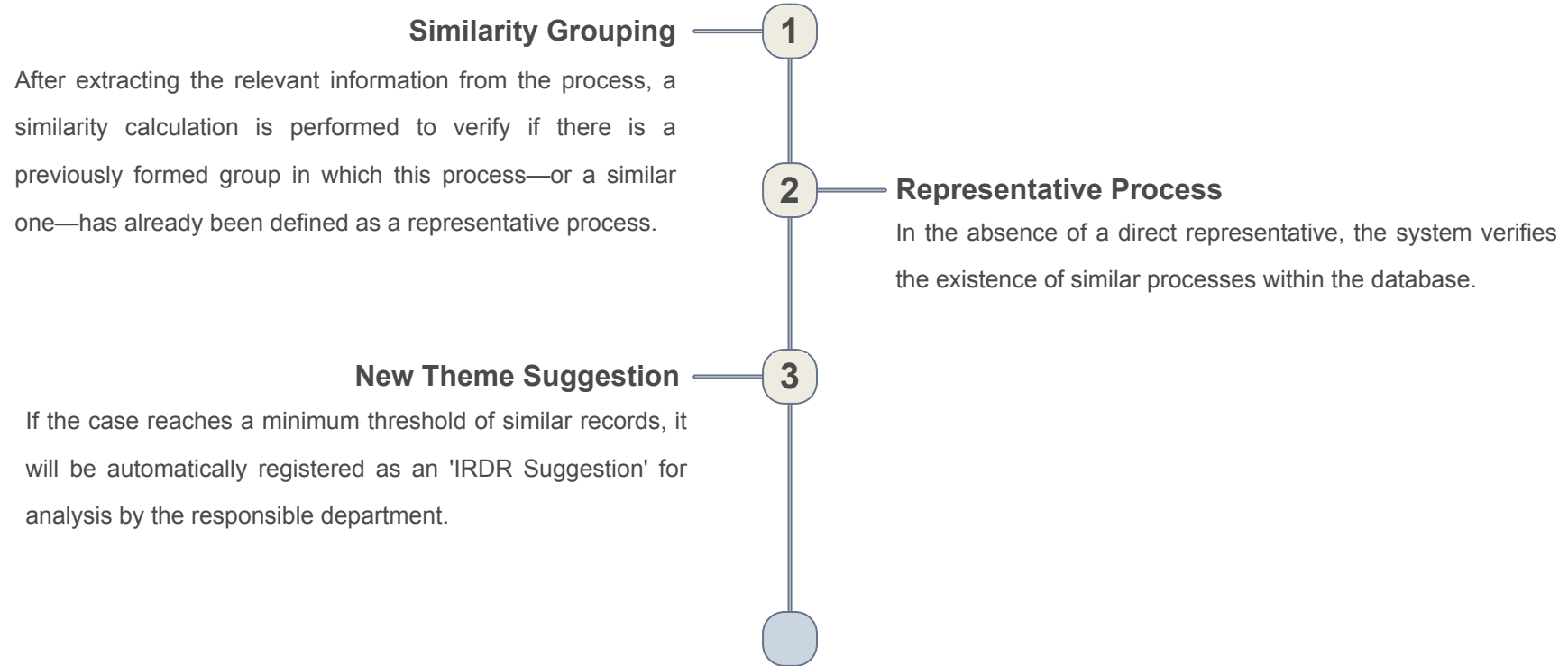


Solution

By leveraging the tool implemented to suggest case linking for established IRDRs, it was possible to reuse the summaries generated in previous tasks to create new IRDR suggestions within the NUGEP system.

Tema	Processo Paradigma	Nº processos encontrados	Ações
Cumprimento de sentença - Dano moral	7033764-70.2017.8.22.0001 (PUEPG)	78	DETALHAR
Dano moral por corte indevido de energia elétrica	7036831-43.2017.8.22.0001 (PUEPG)	694	DETALHAR
Danos morais por corte indevido de energia	7004342-45.2020.8.22.0001 (PUEPG)	107	DETALHAR
Cobrança indevida após cancelamento de cartão	7004510-47.2016.8.22.0014 (PUE3G)	1	DETALHAR
Danos materiais por sobrecarga elétrica	7066996-92.2025.8.22.0001 (PUEPG)	24	DETALHAR
Indenização por overbooking e falha na assistência	7055587-22.2025.8.22.0001 (PUEPG)	10	DETALHAR
Rescisão contratual imobiliária	7064214-15.2025.8.22.0001 (PUEPG)	34	DETALHAR
Nulidade de contratação de cartão de crédito RMC	7038155-68.2023.8.22.0001 (PUE3G)	561	DETALHAR
Cobrança indevida de Recuperação de Consumo	7011502-50.2022.8.22.0002 (PUE3G)	11	DETALHAR

Operating Workflow

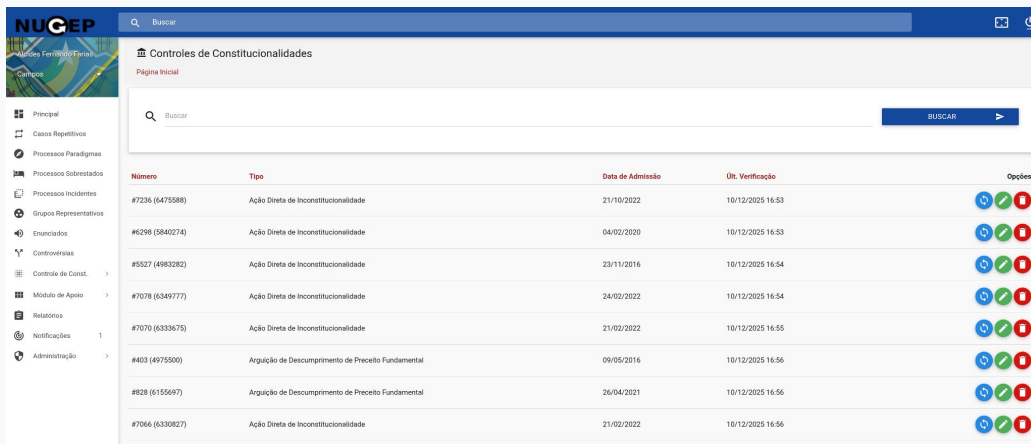


Constitutional Control Actions



Current Scenario

Monitoring is performed through manual queries on the STF (Supreme Federal Court) website. Previously, this task required daily manual searches by staff to track updates on themes of national relevance.

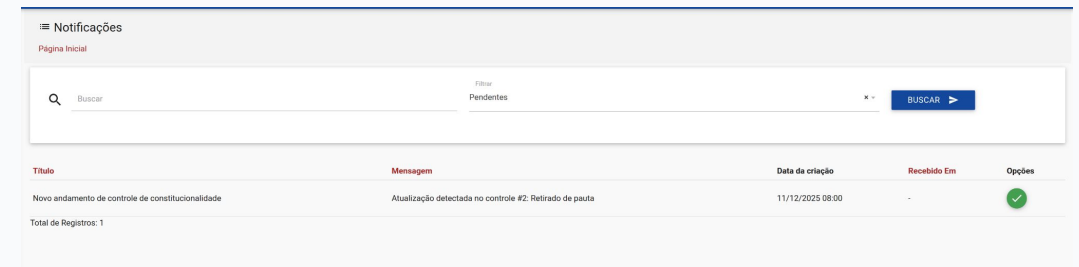


Número	Tipo	Data de Admissão	Últ. Verificação	Opções
#7236 (6475588)	Ação Direta de Inconstitucionalidade	21/10/2022	10/12/2025 16:53	  
#6298 (5840274)	Ação Direta de Inconstitucionalidade	04/02/2020	10/12/2025 16:53	  
#5527 (4983282)	Ação Direta de Inconstitucionalidade	23/11/2016	10/12/2025 16:54	  
#7078 (6349777)	Ação Direta de Inconstitucionalidade	24/02/2022	10/12/2025 16:54	  
#7070 (6333675)	Ação Direta de Inconstitucionalidade	21/02/2022	10/12/2025 16:55	  
#403 (4975500)	Arguição de Descumprimento de Preceito Fundamental	09/05/2016	10/12/2025 16:56	  
#828 (6155697)	Arguição de Descumprimento de Preceito Fundamental	26/04/2021	10/12/2025 16:56	  
#7066 (6330827)	Ação Direta de Inconstitucionalidade	21/02/2022	10/12/2025 16:56	  



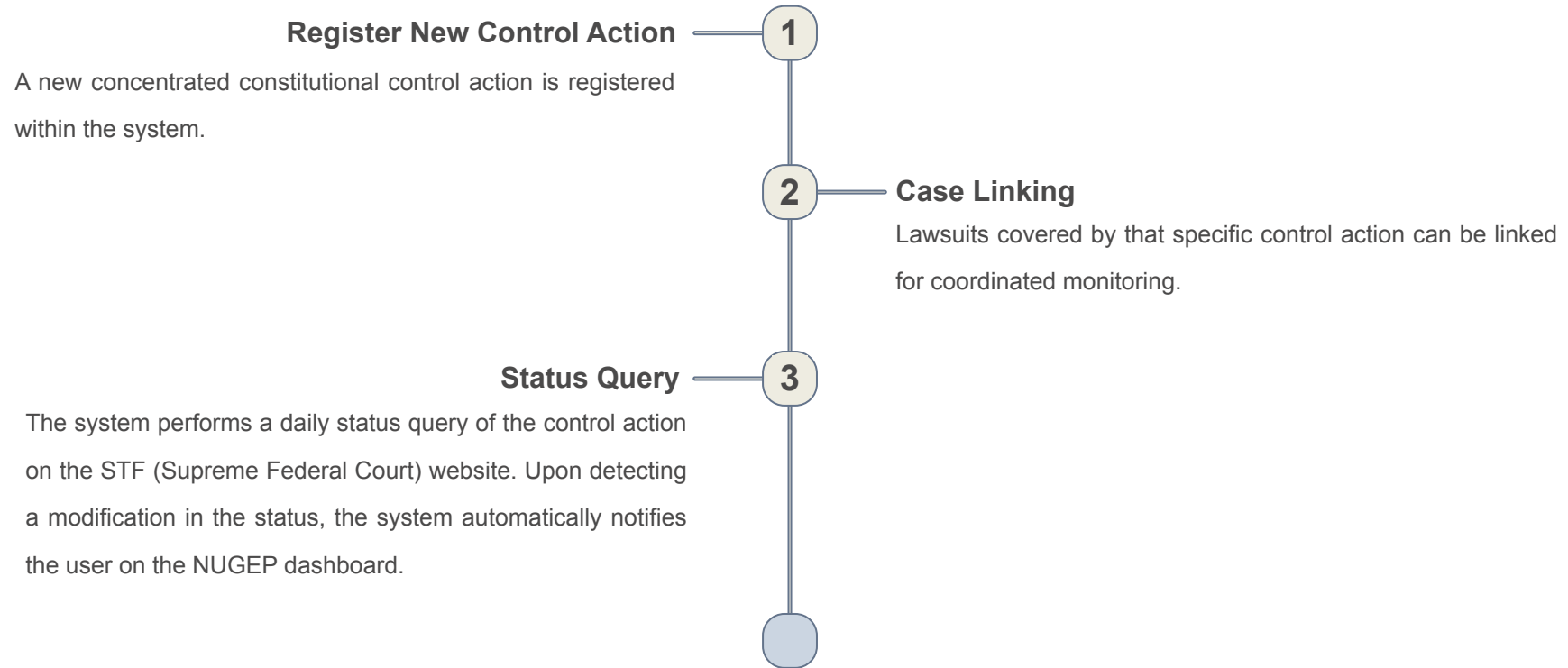
Solution

A new functionality was implemented in the NUGEP system that allows for the registration and tracking of constitutional control actions. Additionally, a tool was developed to perform daily queries (web scraping) on the STF website to verify and notify users of new developments in monitored cases.



Título	Mensagem	Data da criação	Recebido Em	Opções
Novo andamento de controle de constitucionalidade	Atualização detectada no controle #2: Retirado de pauta	11/12/2025 08:00	-	
Total de Registros: 1				

Operating Workflow



Video Presentation

