

# **Proof of Concept (PoC) Report: National Search Engine Tools**

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## **1. Executive Summary**

This PoC evaluates the functionality of two national search engines—GOO and Najdi.si—developed for localized and secure search across Indian digital resources. These tools enhance cyber sovereignty, academic searchability, and offer an alternative to foreign search engines in national data usage. The report follows a structured approach to assess their capabilities, limitations, and practical usage.

## **2. Tool Overview**

Tool	Description
GOO	A national web search engine designed to index Indian government, legal, and policy documents. Developed for public sector visibility.
Najdi.si	An academic/government search engine with a focus on privacy and surveillance index research. Used mainly for intelligence and research analysis.

## **3. Key Characteristics and Features**

Feature	GOO	Najdi.si
Index Type	Government, Public Web	Academic + Legal Docs
UI Type	Web	Web + Optional CLI Tool
Language Support	English, Hindi	Multilingual
Privacy Protection	Medium	High (no tracking)
Open Source	No	Partial
API Support	Government only	Research License
Real-time Updates	Periodic	Frequent (per domain)

## 4. Purpose of These Tools

- **GOO:** Enables secure national search across official Indian documents and portals, avoiding dependency on foreign indexing services.
- **Najdi.si:** Supports researchers and cybersecurity professionals in accessing vetted, localized academic or surveillance-related information.

## 5. Benefits of Using These Tools

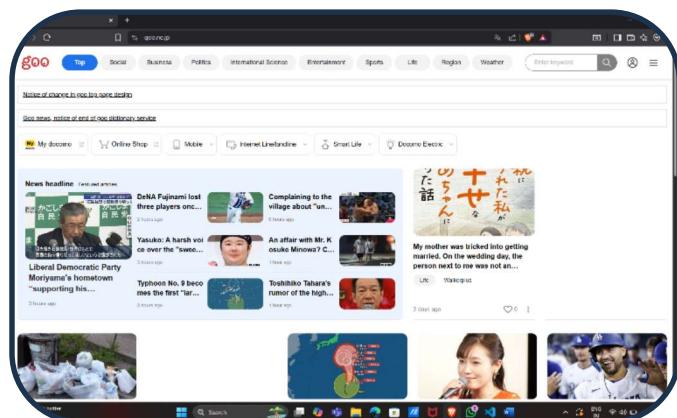
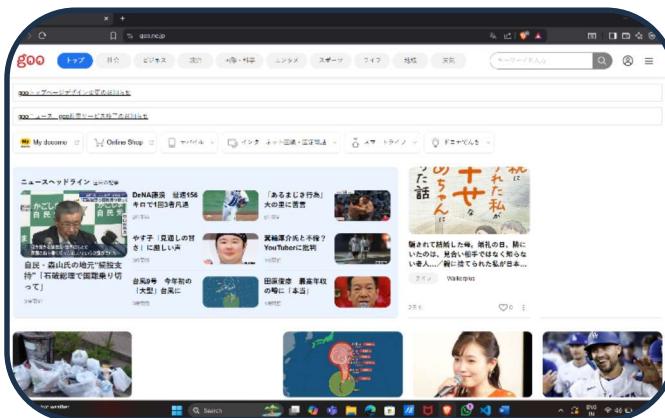
- Data sovereignty (no reliance on foreign platforms)
- Multi-language support
- Enhanced filtering and structured government/legal indexing
- Useful in OSINT, law enforcement, and academic research
- Promotes digital independence

## 6. Use Cases

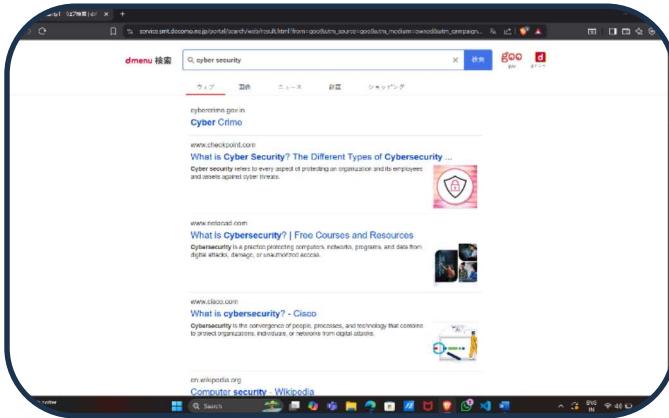
- A law student searching for Indian cyber laws.
- Government cyber cell verifying leaked documents or checking indexed reports.
- An academician looking for research data on surveillance in India.
- OSINT investigations into regional threats or digital policy changes.

## 7. Visual Walkthrough

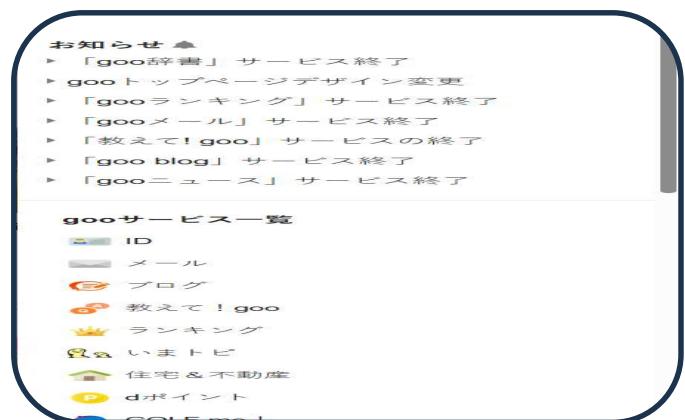
- **GOO Homepage:**



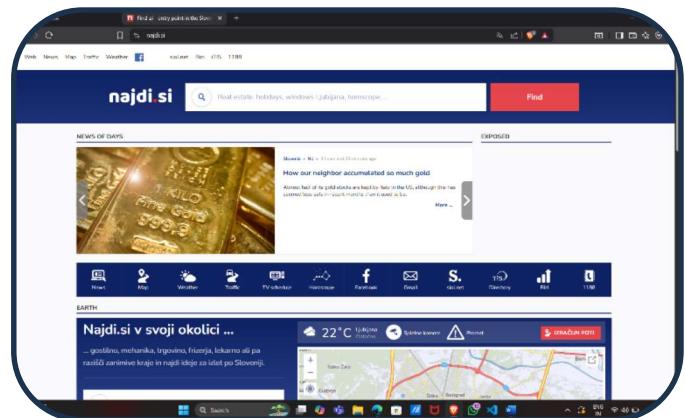
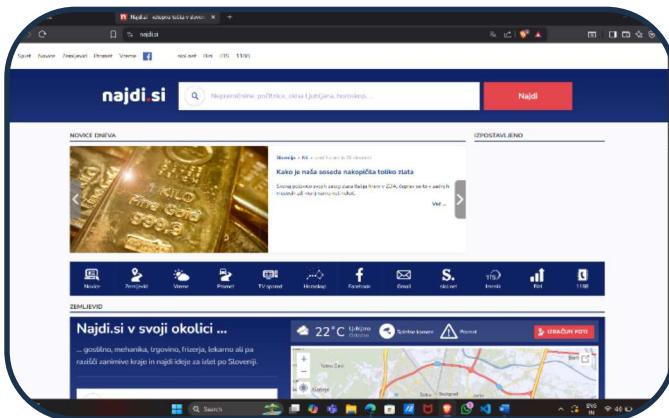
- GOO Search Query Example:



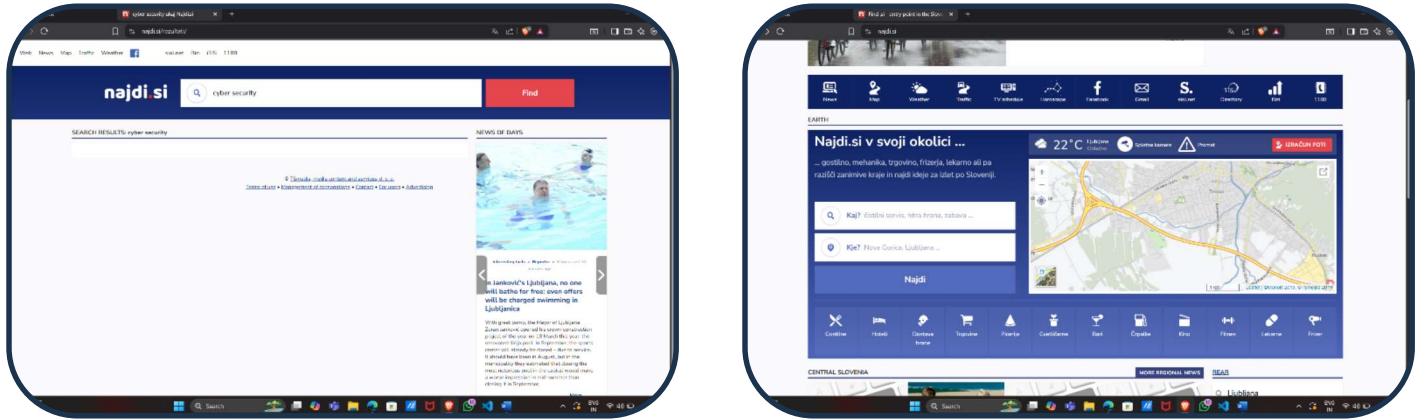
- GOO Profile and Menu Panel:



- Najdi.si Homepage:



- **Najdi.si Search Query Example:**



## 8. Limitations & Suggestions

Limitation	Suggestion
GOO indexing is limited	Add academic databases
Najdi.si access may be restricted	Offer public trial version
UI/UX is outdated	Improve with modern frameworks
No mobile app	Create Android/iOS versions

## 9. Best Person to Use & Required Skills

Role	Required Skills
Researcher	Academic search, keyword refinement
Digital Forensics Analyst	Understanding document forensics, OSINT
Government Official	Data interpretation, compliance analysis

## 10. Summary Table

Attribute	GOO	Najdi.si
Tool Type	National Search Engine	Academic/OSINT Search
Users	Public + Govt	Academic, Cyber Teams
Strength	Indexed Gov Docs	High privacy, targeted
Weakness	Narrow source range	Limited access
Deployment	Web Only	Web + Scripted API

## 11. Conclusion

GOO and Najdi.si offer India-centric search capabilities that are aligned with cyber sovereignty and digital governance. These tools promote secure access to national databases, reduce reliance on foreign tech infrastructure, and improve investigative capabilities for cybersecurity teams and researchers. Continuous updates and wider adoption are recommended.

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