

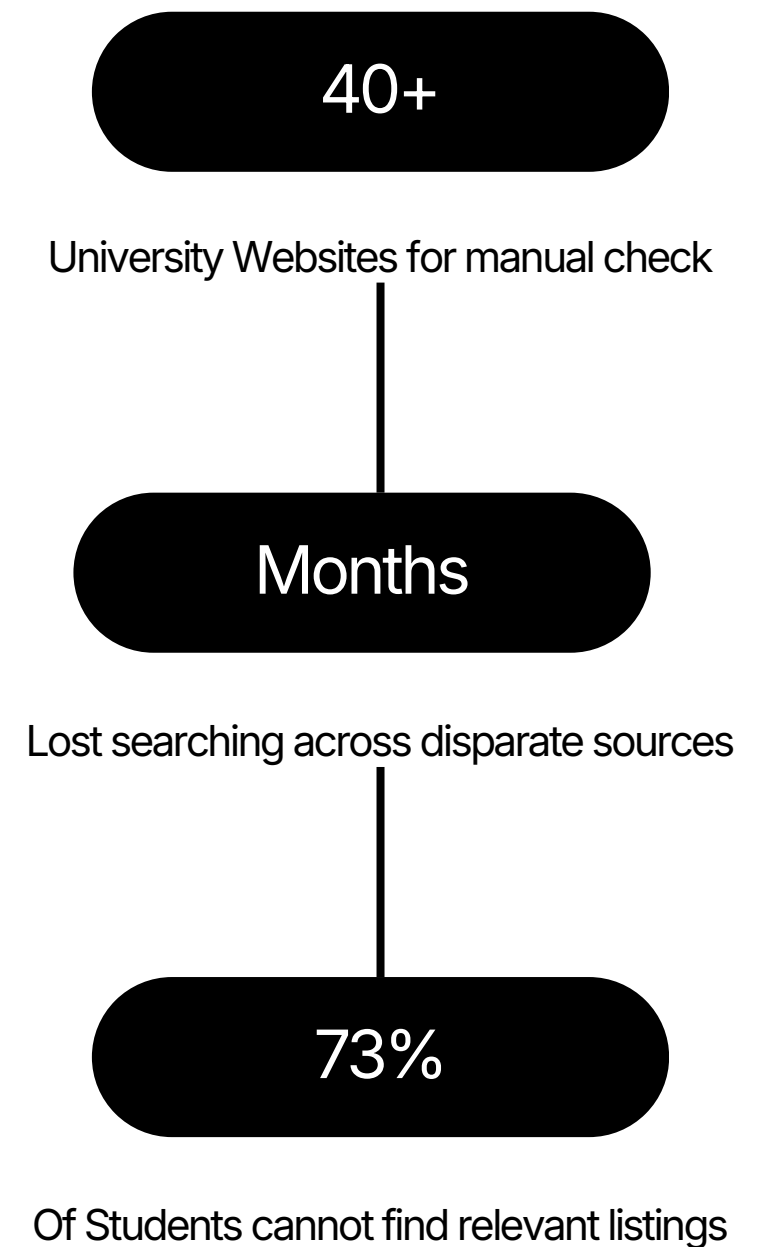
# PhD Finder

AI - Powered PhD Opportunity Platform for Australia

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# Scattered and Time Consuming

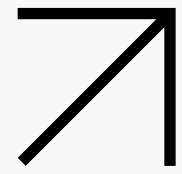
PhD Opportunities in Australia are fragmented across hundreds of University websites, CSIRO portals, and individual academic lab pages. This decentralisation creates a significant barrier for both domestic and international candidates



# Problem Statement

# Problem Breakdown

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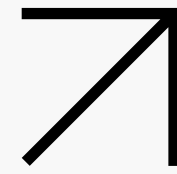


**01**

**No Central Hub**

Searching Right vs Searching Smart

Today's Approach forces students to visit 40 sites individually; there is no unified, verified source for current PhD listings across Australian Institutions.

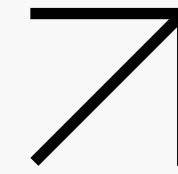


**02**

**Missed Matches**

Opportunities lost in the noise

Students miss opportunities that don't surface in generic searches. Research area mismatches mean talented candidates never find the role that fits them.



**03**

**Stale Information**

Outdated listings waste months

University pages are rarely updated promptly. Students apply to expired opportunities or miss active ones, entirely wasting significant time and effort.

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PhD Candidates don't have a search problem; they have a knowing problem

**Not knowing where to look, which listings are current, or whether they even qualify across 40+ institutions**

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# PhD Finder - AI - Powered PhD Opportunity Platform for Australia

01



## AI Scraping Agent

- Crawl4AI Scraping + OpenAI integration
- Apache Airflow DAG for daily scheduling
- NLP Information Extraction
- PostgreSQL structured Ingestion

02



## Web Application

- Next.js 15 + React 19
- Drizzle ORM + PostgreSQL
- BetterAuth + 3 Tier RBAC Control
- Redis Caching

03



## Smart Features

- Email Alerts via Resend
- AI Content Moderation
- Professor Direct posting opportunities

PhD Finder  
is *Seek* for  
PhD Research

Thank

You

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