

FOREIGN RESEARCHERS  
INTEREST OF UiTM  
INSTITUTIONAL REPOSITORY  
COLLECTION: A CONTENT  
ANALYSIS OF FIVE YEARS  
STUDY



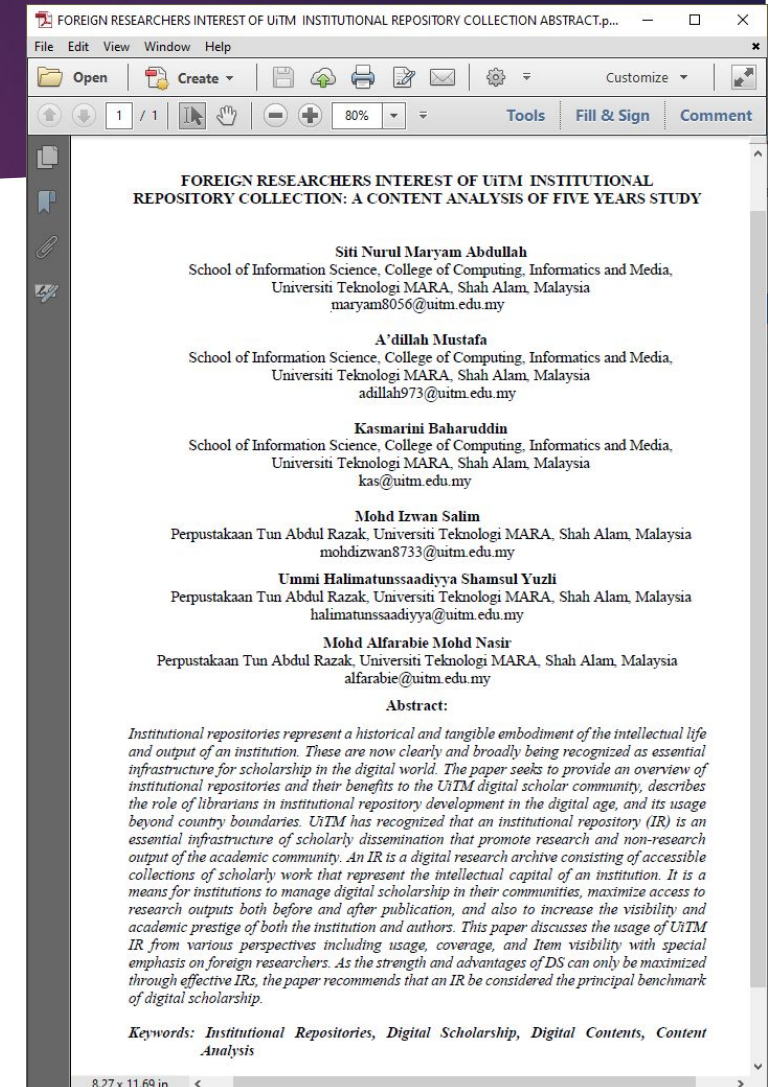
**ACADEMIC  
LIBRARIAN  
SEMINAR**

ADAPT | INITIATE | INNOVATE

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# Team Members

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# Introduction

- Implication of study - From this study it shows the trend of IR usage by foreign countries. Moving forward, the library would be able to plan thorough action in order to develop a high impact collection and it would directly aid in increasing the visibility of researchers under UiTM.
- Universiti Teknologi MARA Institutional Repository (UiTM IR) is a center of digital collections, acts as an open-access repository that collects, preserves and disseminates scholarly output by university members at Universiti Teknologi MARA. It include 14 item types such as articles, thesis, student project, research report and others digital resources.
- This repository was development in 2008 to replace the previous document system knows as Multimedia Object Manager (MOM) under Enterprise Knowledge Management System (EKMS) module. The development was emphasis the CPV concept - collect, preserve and visible.
- The repository was also included in ranking of web repository under Transparent Ranking with Google Scholar

# Literature Review

Institutional Repository in  
Academic Library

Benefits of Institutional Repository

Challenges in Institutional  
Repository Implementation

The Role of Librarian in Managing  
Institutional Repository

# Methodology

- ▶ content analysis approach
- ▶ primary data sources from UiTM Institutional Repositories
- ▶ Data stored in MySQL database
- ▶ Data was extracted with specific tools – IRStats2 – statistical framework build with perl programming language.

# Methodology

Usage

Coverage

Item  
Visibility

Domain

Users

Item Type

Pageview  
&  
Download

Item  
quantity

Subject  
mapping

Analysis  
coverage  
2018-2022

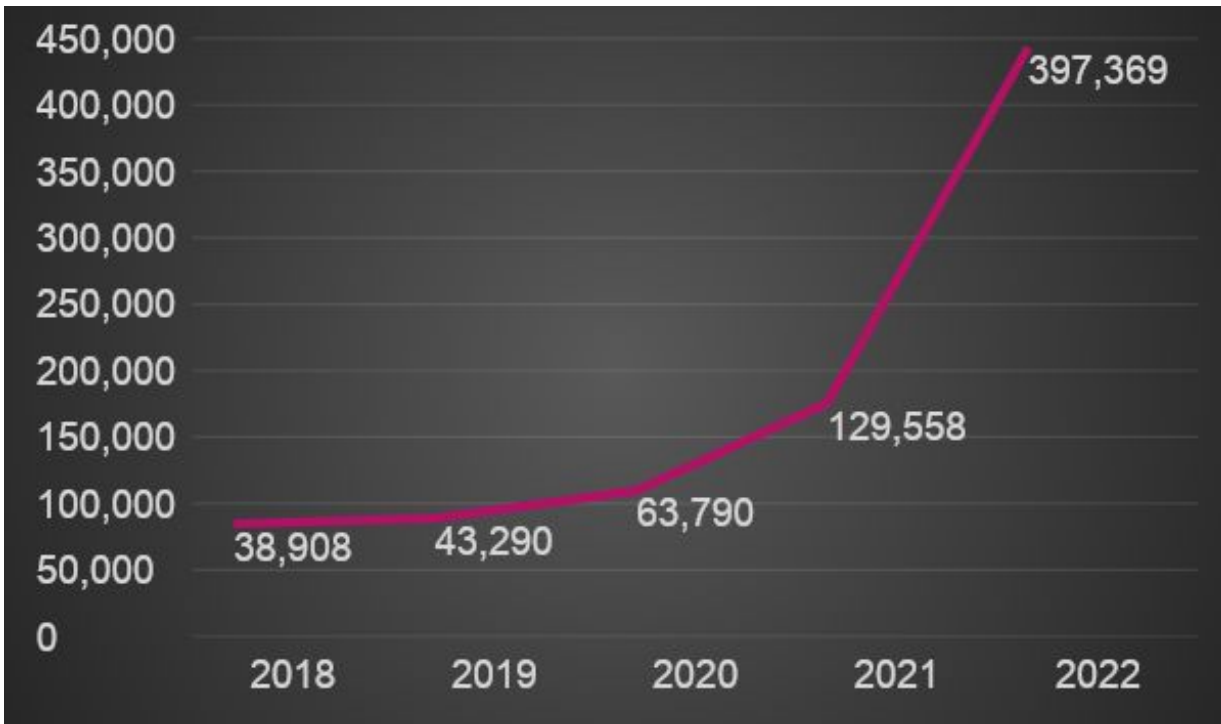
Academic  
Search  
Engine

Analysis Unit

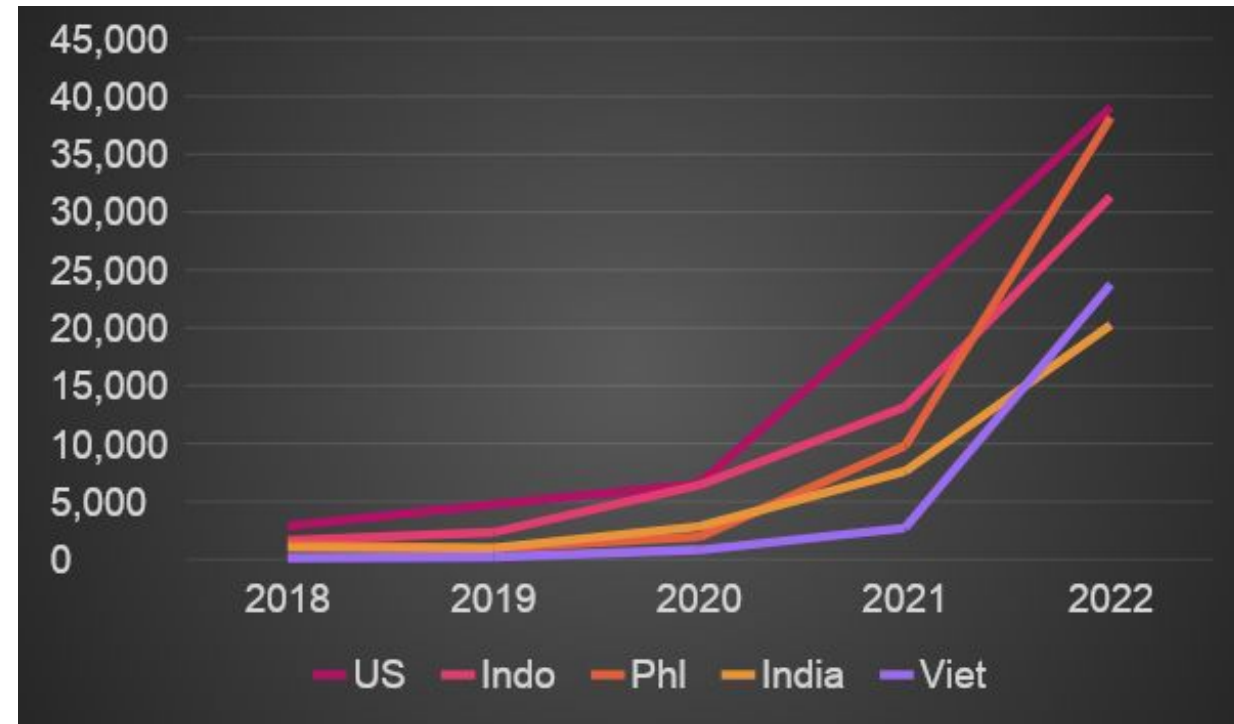
# Findings : Users

Domain	Analysis Unit
Usage	Users

### Total Download by Foreign Country



### Top Usage by Country

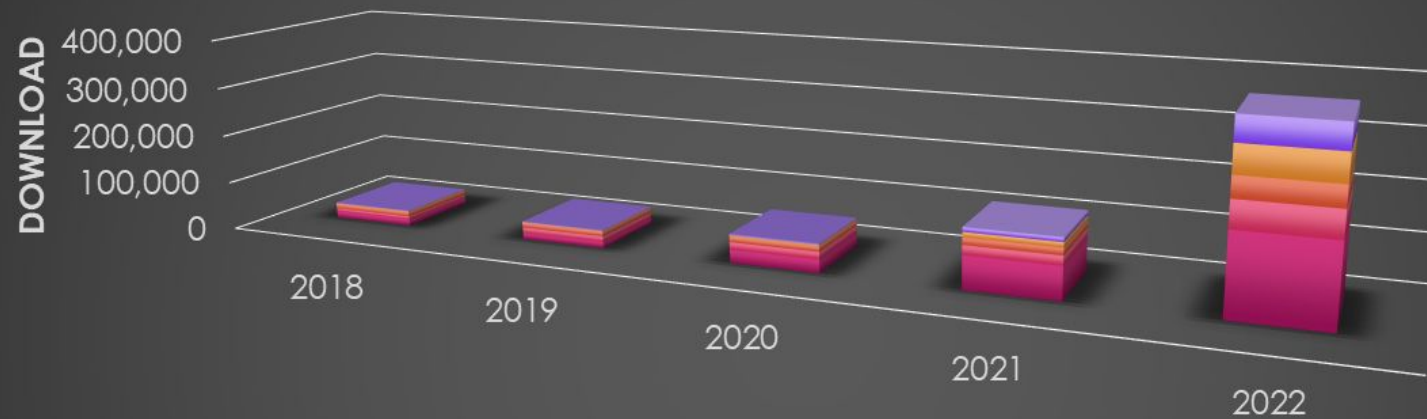




# Findings

Domain	Analysis Unit
Usage	Item Types

## Top usage by Item Type



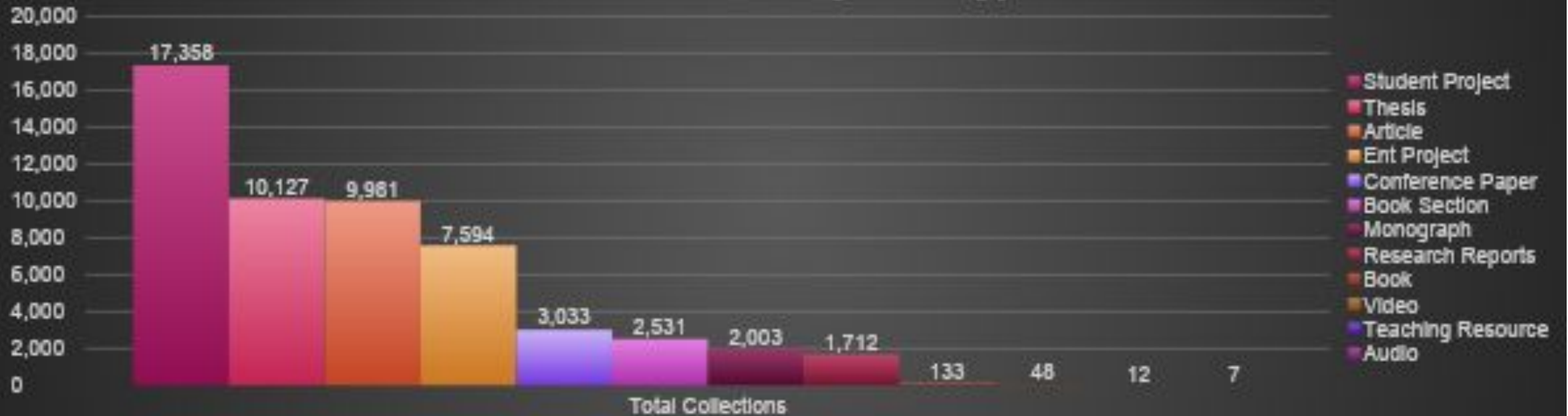
	2018	2019	2020	2021	2022
Conference Paper	1,263	1,627	2,652	9,217	49,980
Ent Project	2,493	1,731	3,717	10,408	55,609
Thesis	8,673	9,636	10,031	14,570	41,865
Student Project	7,084	11,400	15,132	19,550	54,337
Article	13,136	12,959	27,634	67,383	164,634



# Findings

Domain	Analysis Unit
Coverage	Item quantity

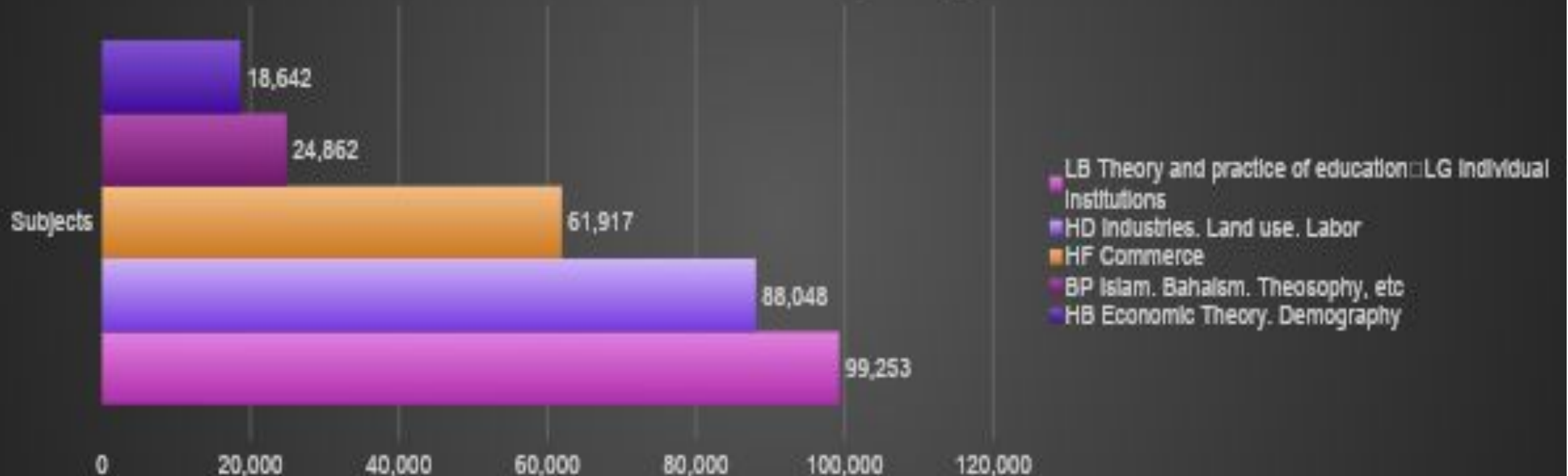
## Total collections by Item Types



# Findings

Domain	Analysis Unit
Coverage	Subject Mapping

## Total downloads by Subjects



# Findings

Domain	Analysis Unit
Item Visibility	Academic search engine

Search Engine	Google Scholar	53,100	93%
	Core UK	18,494	32%
	BASE	55,164	97%
Union Catalog Service	MALRep	55,834	98%
	MyTO	9,594	NA



**56,561**  
UiTMIR Records

# Results and Discussions

- ▶ Over the 5 years data, the usage is increase gradually. Dramatically in 2022 compared to 2021. The increase is more than 300% (3 times).
- ▶ The indexing record in Core UK is low at 32% (18,494) from the total records in UiTM IR.
- ▶ Article is the most downloaded item type.
- ▶ Subject Education (L) is the most downloaded item.

# Recommendations

- ▶ The library is able to identify which item type and subject which is highly referred by foreign countries and focuses the effort to collect those research or items to be archived in the IR for referral.
- ▶ Limitations of study - The number of IR collections indexed in Academic Search Engines such as CoreUK did not have clear criteria on the indexed item. Further investigation needs to be done to identify the criteria for IR collection to be indexed in the system.
- ▶ Recommendations for future study - Effectiveness of librarian role in expanding IR collections.



# THANK YOU

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