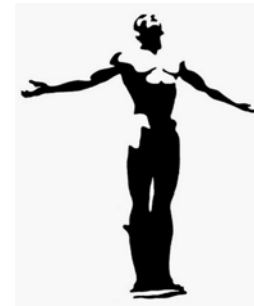


Strengthening Digital Research in the Philippines: Digital Humanities Projects at the University of the Philippines

CHITO N. ANGELES

University Librarian

University of the Philippines Diliman



About the University of the Philippines

- ▶ Founded on June 18, 1908 in the City of Manila.
- ▶ The only National University in the Philippines mandated to perform its unique and distinctive leadership in higher education and development.
- ▶ With 8 Constituent Universities in 17 Campuses all over the country.
- ▶ 258 Undergraduate Programs; 438 Graduate Programs.

The University of the Philippines Diliman: The Flagship Campus

- ▶ The biggest campus and the physical seat of the UP System Administration.
- ▶ The largest constituent university (CU) in terms of the number of degree-granting academic units, student population, faculty and library resources.

Facts at a Glance:

- Land Area: 493 hectares
- No. of faculty: 1,531
- No. of students: 22,765
- Degree granting units: 27
- Academic programs offered: 376

*Data as of August 2017



Project Development Context

The background of the slide features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side and bottom of the frame, creating a modern, dynamic feel. The main text is positioned on the left side of the slide.

Project Development Context

- ▶ The need to develop the culture of research among faculty, staff, and students
- ▶ Low Research Output, especially in the Humanities, compared to other countries
- ▶ Reduced number of PhDs teaching in UP

Ranking Data for UP (Published Research Works)

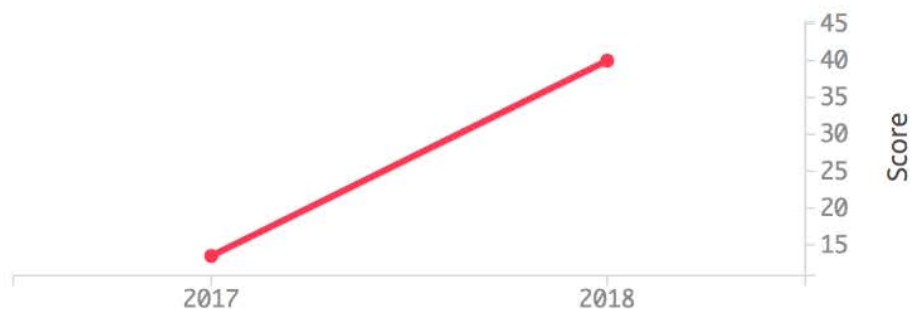
World University Rankings

2018 Rank: 601–800

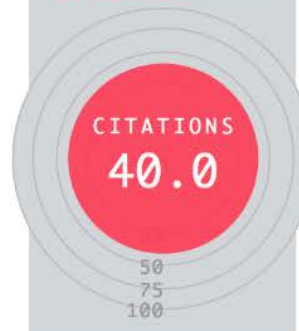
[View full ranking table](#)



Breakdown via year: CITATIONS



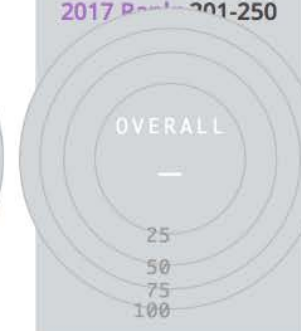
World University
Rankings
2018 Rank: 601–800



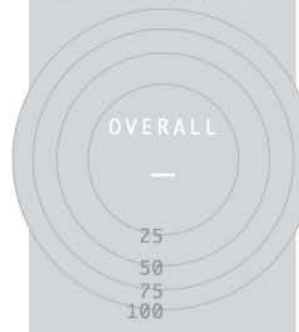
Asia University
Rankings
2018 Rank: =156



BRICS & Emerging
Economies
Rankings
2017 Rank: 201–250



Clinical, pre-
clinical & health
2018 Rank: 201–250



Common Constraints / Problems

- ▶ Lack of motivation for pursuing a research career – finishing a PhD is not required for faculty members and does not imply a dramatic increase in salary.
- ▶ The lack of awareness of new methodologies in research and teaching (digital tools, e.g., LMS, MOOCs).

Common Constraints / Problems

- ▶ Difficulty of accessing original materials
 - ▶ Rare periodicals kept in selected universities in the Philippines usually requires physical access (no digital copy)
 - ▶ Rare materials are usually accessible only in microforms
 - ▶ Originals are sometimes in very poor state and physical access is not encouraged
 - ▶ Catalog or index not available online

Common Constraints / Problems

- ▶ Lack of digital resources, infrastructure, and facilities to access these resources online (e.g, digital humanities platforms, digital tools).
- ▶ Internet speed in the Philippines is relatively slow, affecting access to digital resources.

Internet speed in the Philippines Compared to other ASEAN countries

Average Connection Speeds by ASEAN country (IPv4)

Singapore:	20.3 Mbps
Thailand:	16 Mbps
Vietnam :	9.5 Mbps
Malaysia:	8.9 Mbps
Indonesia:	7.2 Mbps
Philippines:	5.5 Mbps



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@rapplerdotcom

Not listed: Brunei, Cambodia, Laos, Myanmar

Source: Akamai Q1 State of the Internet - Connectivity Report

4G LTE speeds by ASEAN country

Singapore:	46.64 Mbps
Malaysia:	14.17 Mbps
Cambodia:	12.15 Mbps
Thailand:	9.40 Mbps
Indonesia:	9.02 Mbps
Philippines:	8.24 Mbps



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Not listed: Laos, Myanmar, Brunei, Vietnam

Source: <https://opensignal.com/reports/2017/11/state-of-lte>

Current Initiatives to Strengthen Digital Research in the Philippines

Digital Humanities Projects at the
University of the Philippines

- ▶ A pioneer digital humanities project by professors and inter-disciplinary research specialists from the University of the Philippines (UP).

A stylized graphic of a hand with fingers pointing upwards. The fingers are colored in shades of maroon, green, and black, with some black patterns on the maroon fingers. The background is a light blue gradient with some darker blue geometric shapes.

PHILIPPINE PERFORMANCE ARCHIVE

UNIVERSITY OF THE PHILIPPINES

Philippine Performance Archive

- ▶ It is the first comprehensive archive that consolidates distinctly Filipino performance practices - dances, rituals, festivals, and theatrical presentations - into an online multimedia database gathered from the different Philippine regions in collaboration and consultation with the constituent universities of the University of the Philippines System.

Project Blog

Not secure | blog.palabas.org

the Philippine Performance Archive Blog



08 Feb 2018

Komedy, Moro-moro, and Linambay



19 Jan 2018

Sacred Camp: Transgendering Faith in a Philippine Festival

This is an excerpt from "Sacred Camp: Transgendering Faith in a Philippine Festival" by Patrick...



13 Dec 2017

Cultural Performance in/and Performance Studies

This essay is an excerpt from a forthcoming publication. Panata.

<http://blog.plabas.org>

Repository Website

Not secure | philippineperformance-repository.upd.edu.ph

ne About Browse Login

Search the repository

Search

Adv



Latest Additions

View items added to the repository in the past week.

Search Repository

Search the repository using a full range of fields. Use the search field at the top of the page for a quick search.

The Philippine Performance Archive is a pioneer digital humanities project of the University of the Philippines. Bringing together the University's expertise and excellence in the Arts and Humanities and its best practices in the digital sciences and technologies, it is the first comprehensive archive that consolidates distinctly Filipino performance practices - dances, rituals, festivals, and theatrical presentations - into an online multimedia database gathered from the different Philippine regions in collaboration and consultation with the constituent universities of the University of the Philippines System.

<http://philippineperformance-repository.upd.edu.ph>

- ▶ The Philippine Performance Archive is composed of four distinct archival projects: *Philippine Rituals and Cultural Spectacles*, *Philippine Dance*, *Philippine Theater*, and *Bibliography, Scholarship and Criticism on Performance Traditions in the Philippines*.



Archive Content

- ▶ streaming of video recordings of performances or documentaries on cultural spectacles;
- ▶ galleries of photographs;
- ▶ performance notations (for dance), performance scripts (for theater), historical notes (for cultural spectacles);
- ▶ an authoritative bibliography of scholarly materials on Philippine performance history.

Philippine Performance Archive

- ▶ **Philippine Cultural Performances** archive explores cultural activities in the Philippines where Filipino communities dramatize their collective narratives in rituals, festivals and spectacles.



Philippine Performance Archive



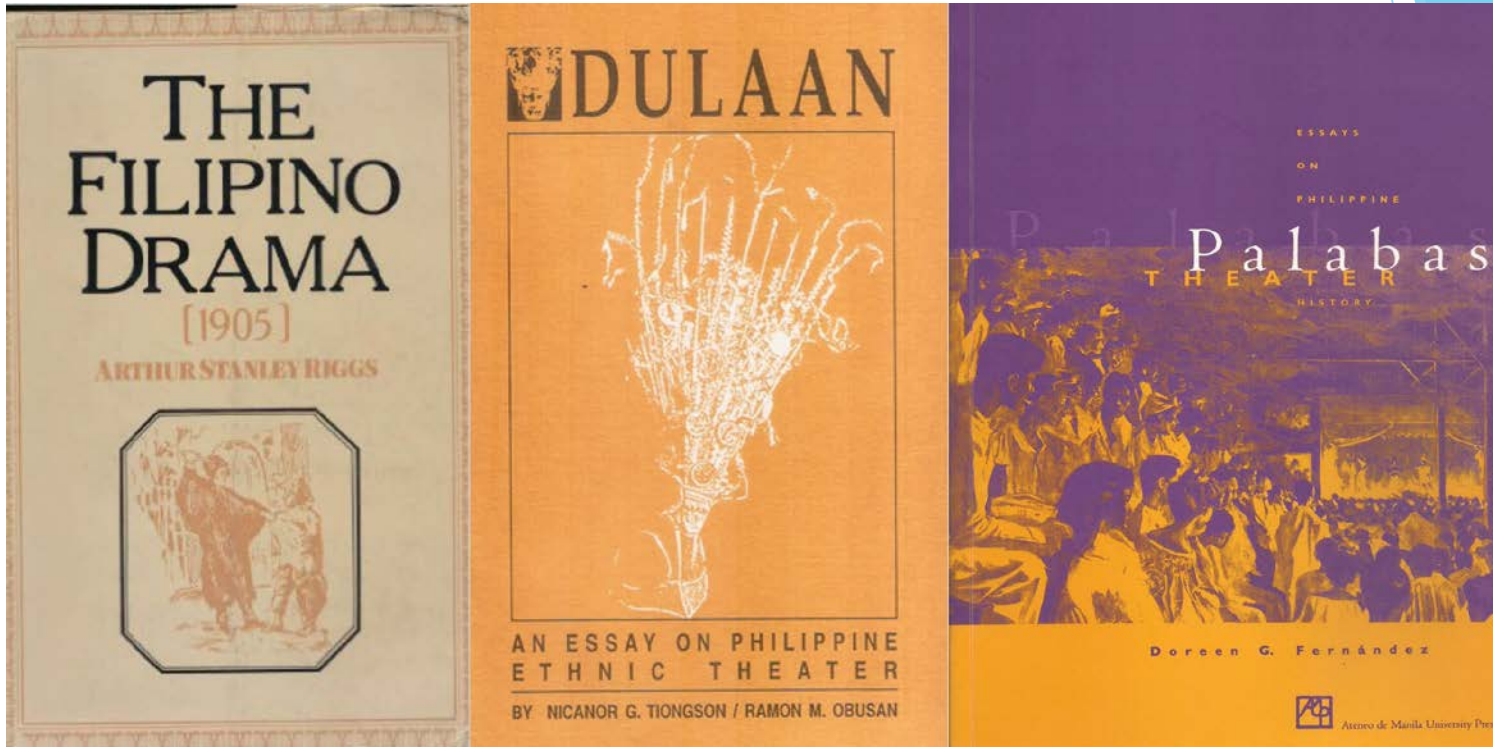
- **Philippine Dance** aims to complement the works done in the field of dance by collating the existing works with video recordings of performances accompanied by descriptions, photographs and notations.

Philippine Performance Archive

- ▶ Philippine Theater archive provides access to audio-visual and print materials of performances along with scholarship and criticism on Philippine theater.



Philippine Performance Archive



- **Philippine Performance: Bibliography, Scholarship and Criticism** archive provides bibliographical information on the written materials on Philippine performance history and criticism.

The background of the slide features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side and bottom of the slide, creating a modern, dynamic feel. The main text is positioned on the left side of the slide, set against a plain white background.

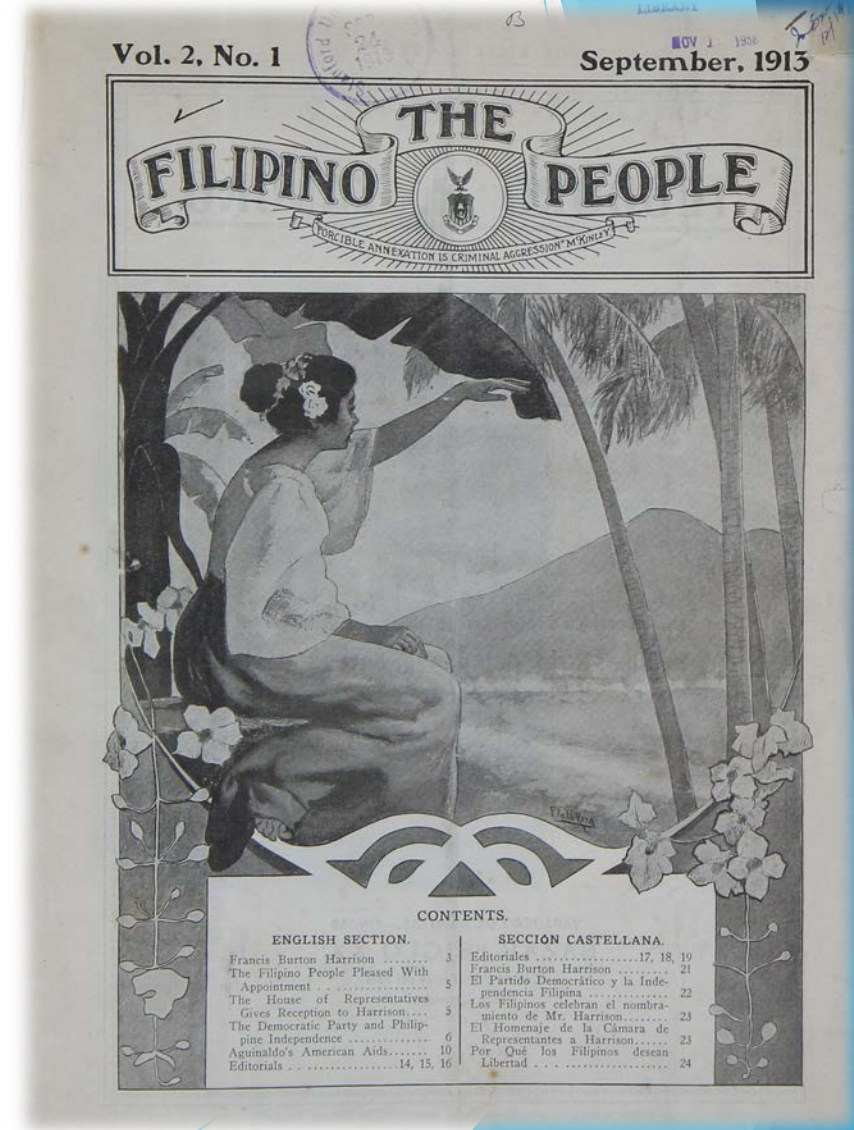
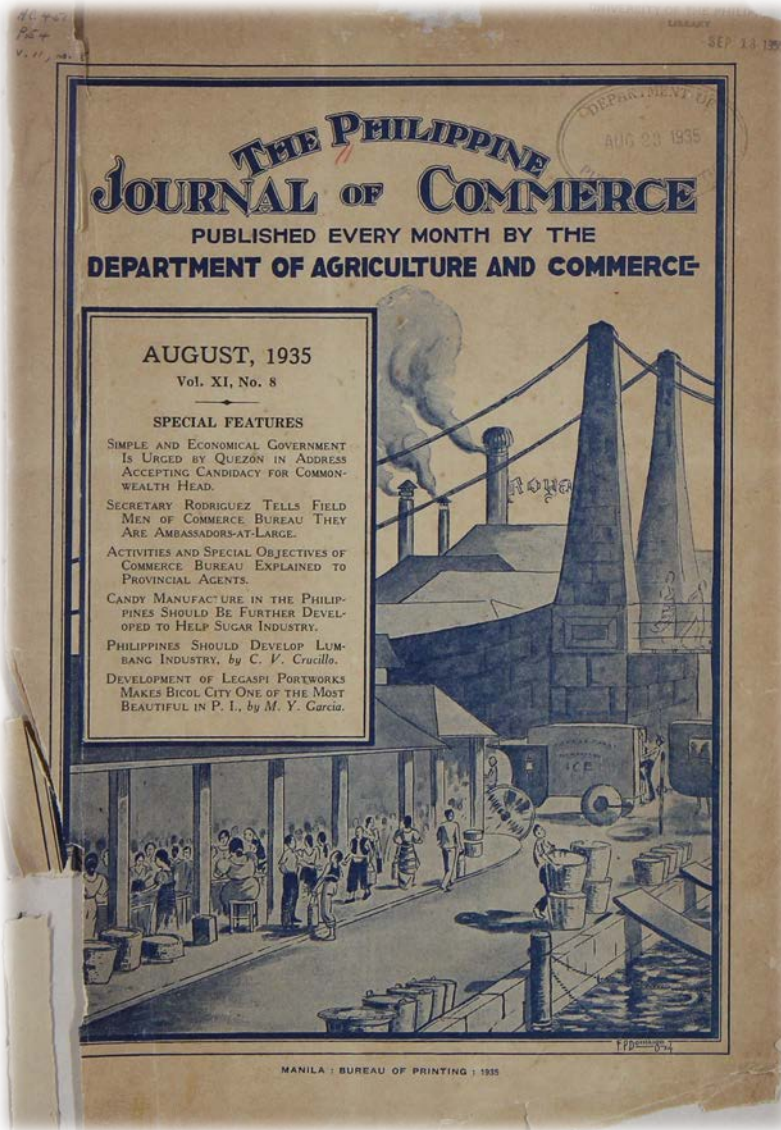
Digitization of Rare Periodicals and Training on Digital Humanities

2018-2021

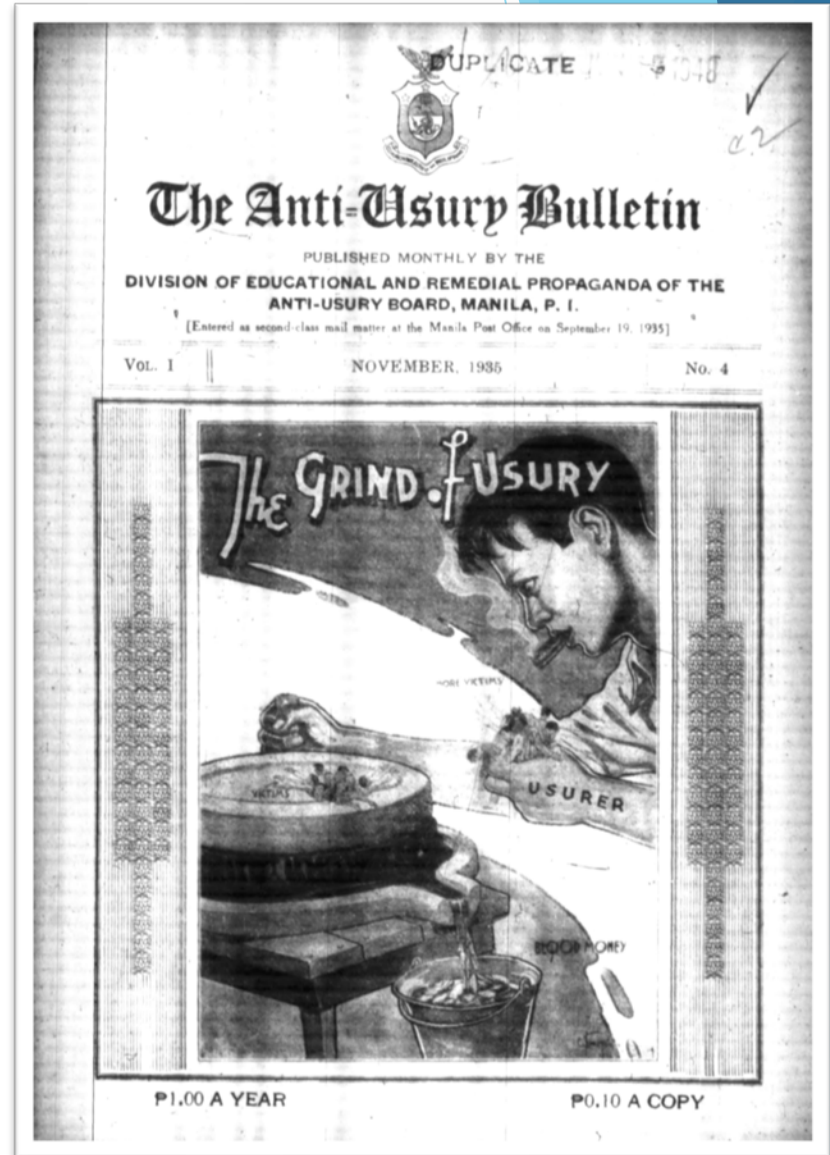
Project Scope

- ▶ Digitization of Materials, particularly rare Philippine periodicals (pre-1945)
 - ▶ 200 titles in Print
 - ▶ 300 titles in Microfilm
- ▶ Development of an open-access digital repository of humanities-related researches
- ▶ Training of Faculty and Post-Graduate Students in Digital Humanities

Rare Periodicals (print)



Rare Periodicals (microfilm)



Digital Humanities Project Details

- ▶ Project Duration: 2018-2021 (4 years)
- ▶ Partner: University of Antwerp, Belgium
- ▶ Funding Institution: Flemish Interuniversity Council (VLIR-UOS), Belgium



2018

Acquisition of Equipment
Digitization of Rare Periodicals
Training in Digital Humanities (for trainers)



2019

Digitization of Rare Periodicals
Development of Digital Archiving System
Training in Digital Humanities:
Introductory course (for faculty members and post-graduate students)



2020

Uploading of digital resources to online platform
Enhancement of Digital Archiving System
Training in Digital Humanities: Advanced course (for faculty members and post-graduate students)



2021

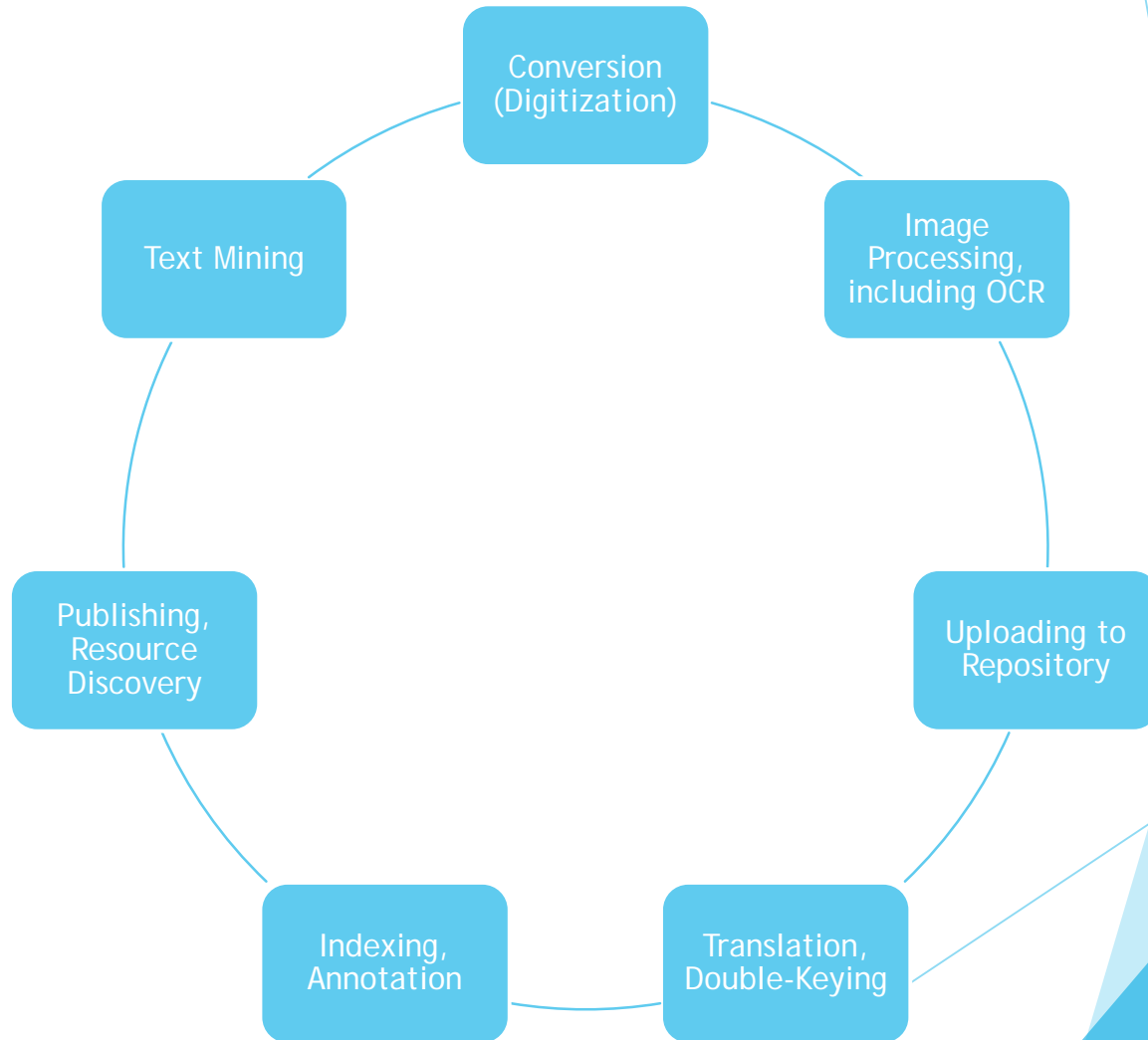
Indexing, Tagging, and Annotations
Double-keying
Translation of non-English Terms
Text mining, data analysis

PROJECT PHASES

Relevance of the Project

- ▶ Preserve important resources (in digital form)
- ▶ Increase access to valuable research materials (thru online means)
- ▶ Increase research and publication output of faculty and graduate students
- ▶ Improve teaching quality
- ▶ Encourage faculty/staff to pursue further studies (PhD/post-graduate studies)
- ▶ Enable distance learning

Activities



Digitization Hardware Requirements

Digitization Hardware

► Book Scanner



Digitization Hardware

- ▶ Planetary Scanner



Digitization Hardware

► Microfilm Scanner





Long-Term Storage Solutions

Network-Attached Storage (NAS), Storage Area Network (SAN), and Cloud Solutions

Repository Platform

- ▶ Omeka
- ▶ Teitok

Issues and Challenges

Current Condition of the Materials

Indexing of Non-English text / translation

Low OCR accuracy (especially those converted from microfilms)

Interoperability / compliance with standards (OAI-PMH), Open Archival Information System (OAIS), International Image Interoperability Framework (IIIF), Text Encoding Initiative (TEI)

Marketing and Promotion

Sustainability (including funding)

THANK YOU!

p