Open Access Resource NDLI App for Library Users: Overview

Dr. Sridhara R N
Senior Librarian
Central Library
Christ Academy, Bangalore.

Charuchandralekha S
Research Scholar
Library and Information science
Bangalore University

Indrakumara
Research Scholar
Department of Library and Information Science
Bangalore University Jnanabharathi Campus

Abstract:- MHRD under its National Mission on Education through ICT, has initiated the National Digital Library of India (NDL India) a pilot project to develop a virtual repository framework for learning resources with a search function in a single window. Search utilizing filters and by languages can help the users mainly students to reach a refined search result without additional training with a lot less time on each search. NDL India is designed to cater to multi-lingual user-base and with the support of interface can reach a multitude of India which is a country of more than hundreds of languages. Content is provided to serve the vernacular nation with the support of multi-lingual data and metadata in major languages. It is specifically developed and maintained to serve the academic communities of all major languages. This application finds itsusers in every educational stage from students, researchers, teachers, persons with disabilities with its accessibility features. It can be utilized by users as their personal libraries helping them to prepare them for various exams and also to incorporate many academically proclaimed practices accepted world-wide. It also helps users to explore resources in multiple languages and understand their interrelations.

Keywords:- NDLI, Libraries, Open Access Applications, Resources, Digital libraries.

I. INTRODUCTION

The NDL India is a virtual vault of learning assets that isn't just a storehouse with a hunt/peruse office yet additionally gives a large group of administrations containing reading material, articles, recordings, book recordings, addresses, recreations, fiction and in the middle between. different sorts of learning media for the understudy/client local area. It is a task under the Service of Training, Legislature of India, through its National Mission on Education through ICT (NMEICT). The objective is to endlessly gather metadata and give full text from different public and global advanced libraries as well as other applicable sources. The NDLI gives free admittance to many books and is intended to contain content from any language and gives interface backing to the 10 most broadly utilized Indian dialects. It is created, worked and kept up with by the KharagpurIndian Institute of Technology.The library was sent off on a pilot premise in May 2016. The library was devoted to the country on June 19, 2018 by the Union HRDMinister, Prakash Javadekar. As of April 2019, NDLI has north of 4,58,25,715 (Rs 4.58 crore) in its archive, with more than 1,50,000 volumes in English.

Checking of Indian language books has set out a freedom to foster Indian language optical character recognition(OCR) programming. This is a computerized vault that contains reading material, articles, recordings, book recordings, addresses, recreations, fiction, and a wide range of learning media. The NDLI gives free admittance to many books in Indian and English dialects.

II. WHAT IS NDLI?

The National Digital Library of India (NDLI) is a completely computerized library that stores data (metadata) about various sorts of advanced content including books, articles, recordings, sounds, propositions and other instructive materials pertinent to clients of various instructive levels and capacities. . . It gives a solitary window search office so understudies can recover the right assets with minimal measure of exertion in negligible time. NDLI is intended to contain content from any language and give interface backing to every single significant vernacular. It is accessible on all well-known types of access gadgets, including versatile applications on Android and iOS stages.

III. FEATURES

- A solitary window scan capability for the steadily developing store of computerized content
- Various ways of perusing the substance store: Browse by content type, by source, by subject and by learning resource type
- Search and peruse results separating with Filter based refinement choices
- Significant substance for various degrees of clients
- Contents accessible for various topical spaces: Innovation, performingarts and Humanities, Sociologies, Pure Sciences, and so on.
- The application and content can be gotten to in three distinct dialects: English, Hindi and Bengali.

Version	2.1.0
Requires Android	4.1 and above
Content rating	Everyone
Released on	28-Dec-2016
Updated on	06-Aug-2021
Downloads	1,000,000+ downloads
Offered by	National Digital Library of India
Managed by	The Library is managed by Indian Institute of Technology, Kharagpur

Table 1: Features of NDLI Application

IV. NOTE FOR USERS

Your Android phone state is expected to create a novel ID (expected) by scrambling your Android phone state explicit data and this ID starts the discussion instrument with the NDL Programming interface for creating a connection. This system is there to guarantee and empower security. Permit all authorizations to empower required security options.

A. *Access and limitations*

Client enlistment is available to clients from everywhere the world. In any case, the items in a few well known sources are simply open to enlisted clients. A portion of these record-just works come from sources, for example,

- World eBook Library
- South Asia Archive
- OECD iLibrary
- Satyajit Ray Society

V. CONVEYANCE ARRANGEMENTS AND CLIENT GUIDE

It can likewise be gotten to through the portable application, accessible for Android on Google Play. The NDLI is a virtual vault of learning assets which isn't just an accessible/browsable storehouse yet in addition gives a large group of administrations containing reading material, articles, recordings, book recordings, reproductions, fiction and much more. different sorts of learning media for the understudy/client local area.
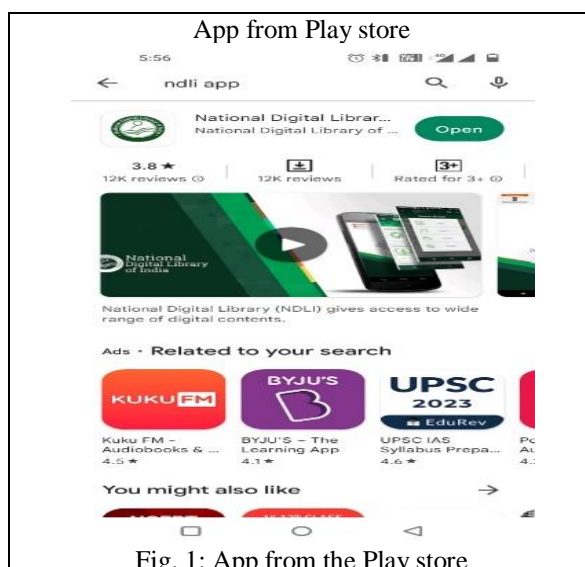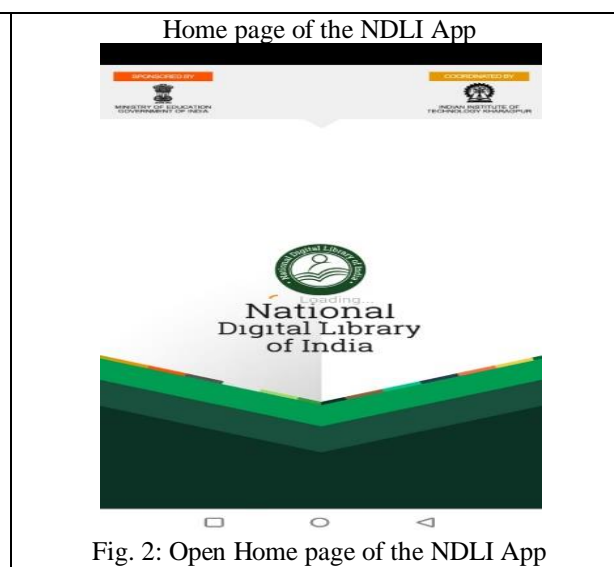

Fig. 1: App from the Play store

Fig. 2: Open Home page of the NDLI App
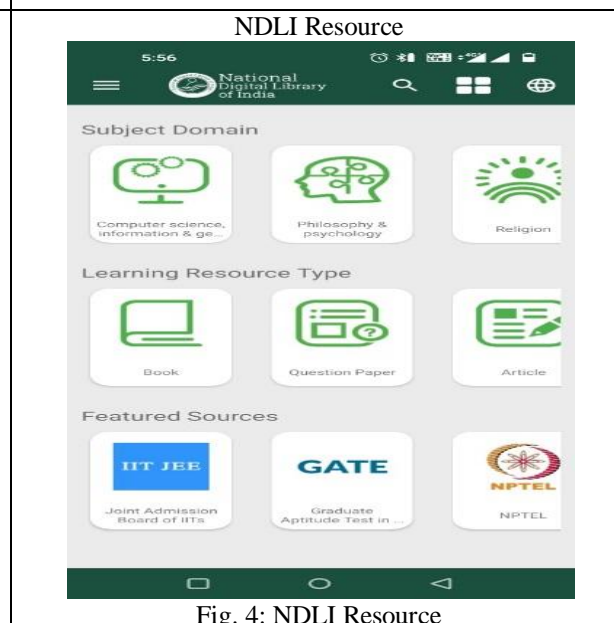

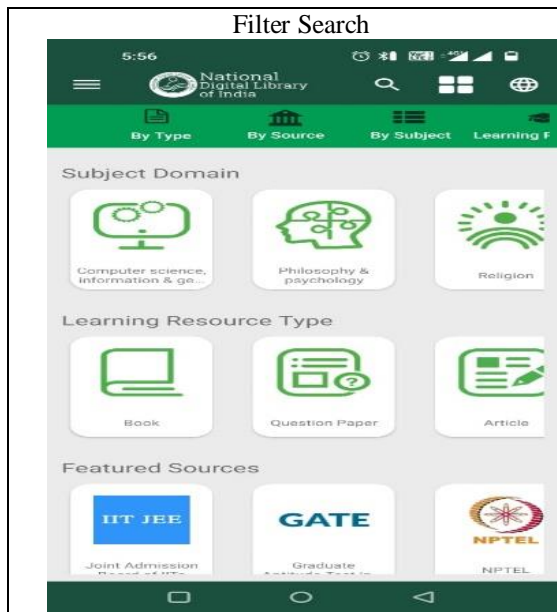
Fig. 3: Home page of the NDLI App

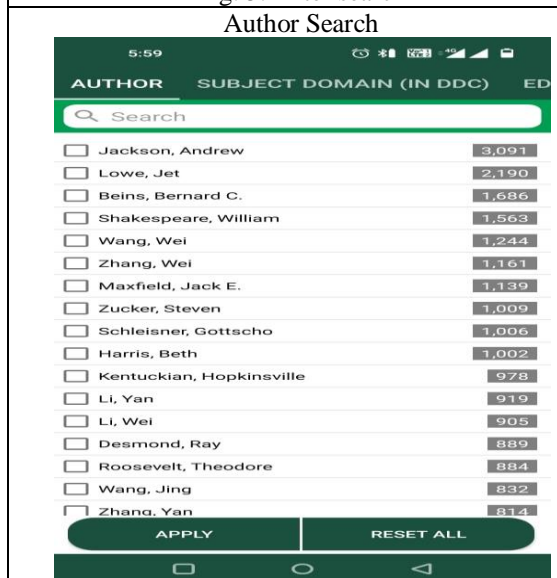

Fig. 4: NDLI Resource
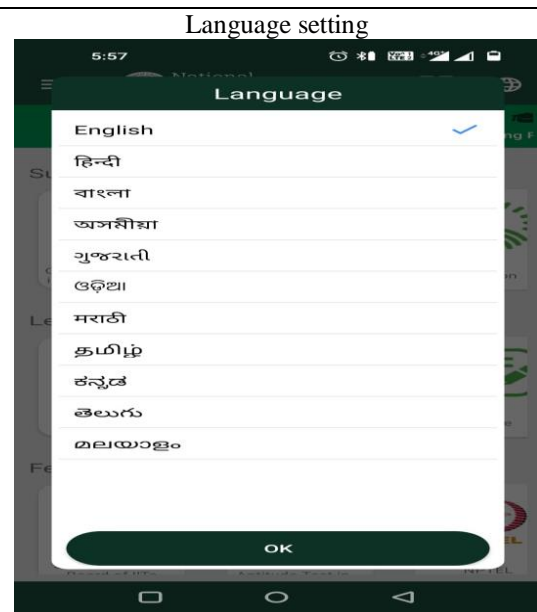
Filter Search	Language setting
Fig. 5: Filter search	Fig. 6: Language setting

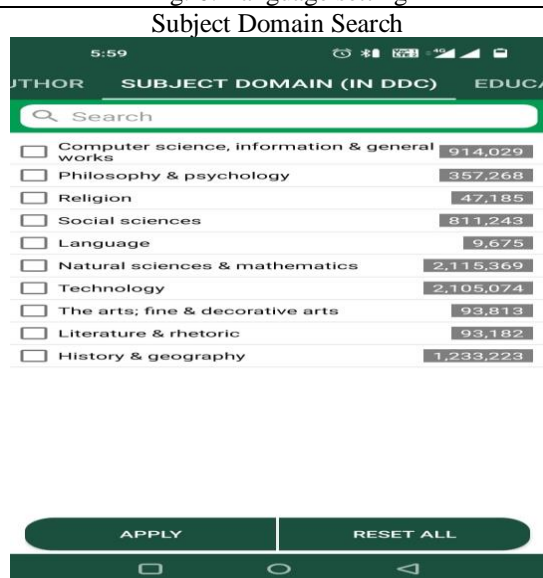| Author Search	Subject Domain Search
Fig. 7: Author Search	Fig. 8: Subject Domain Search

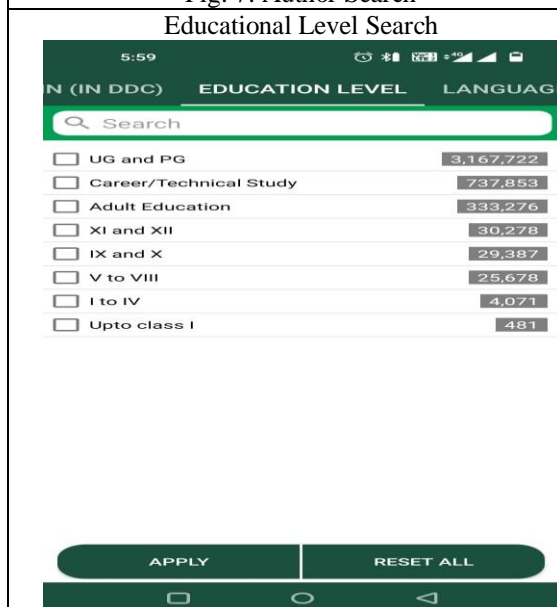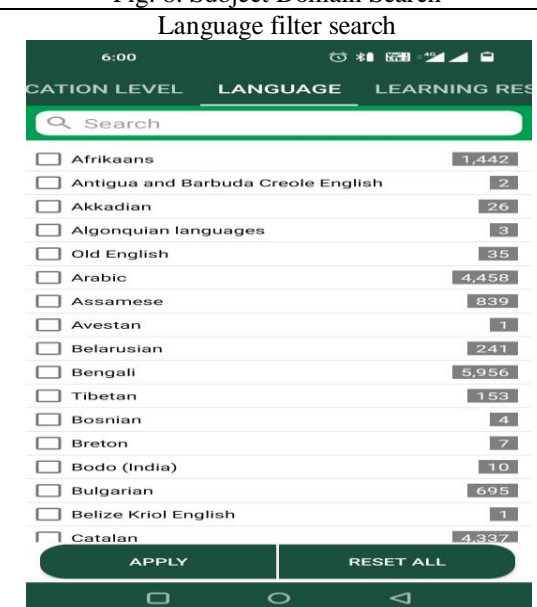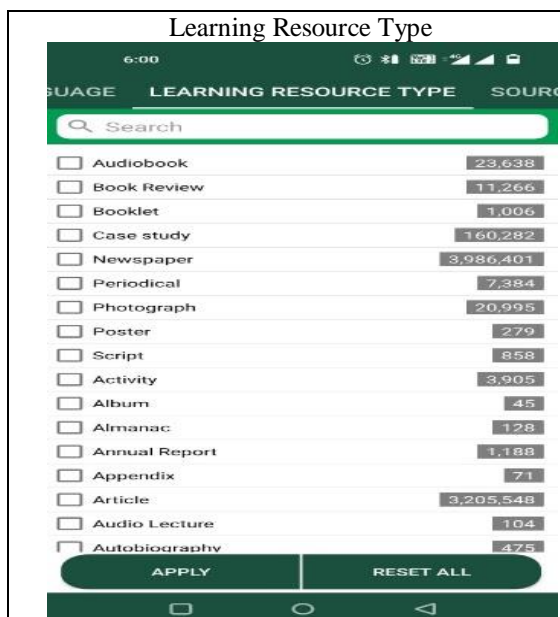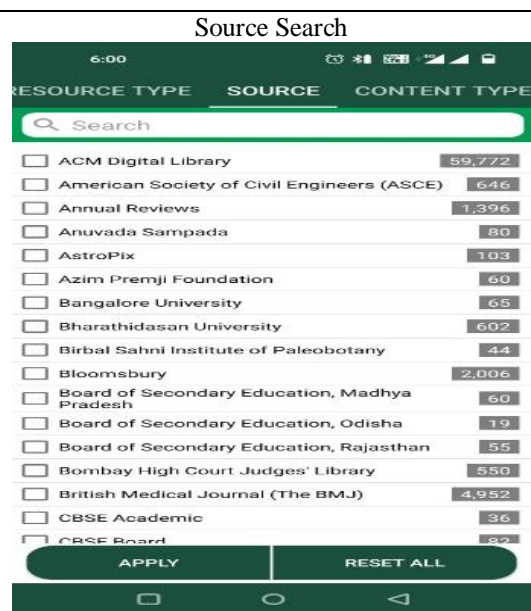| Educational Level Search	Language filter search
Fig. 9: Educational Level Search	Fig. 10: Language filter search

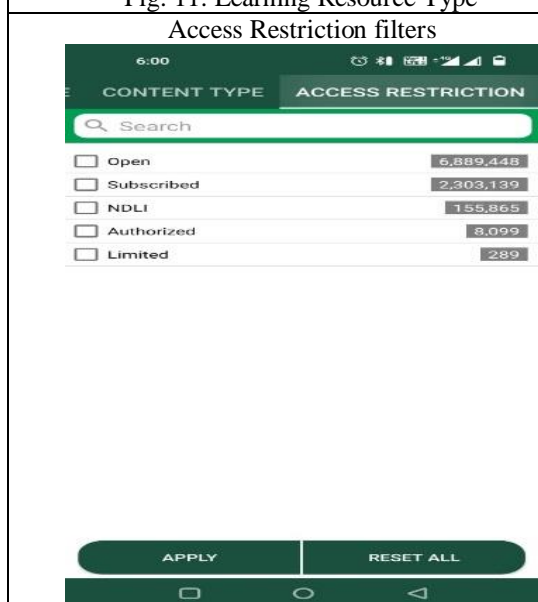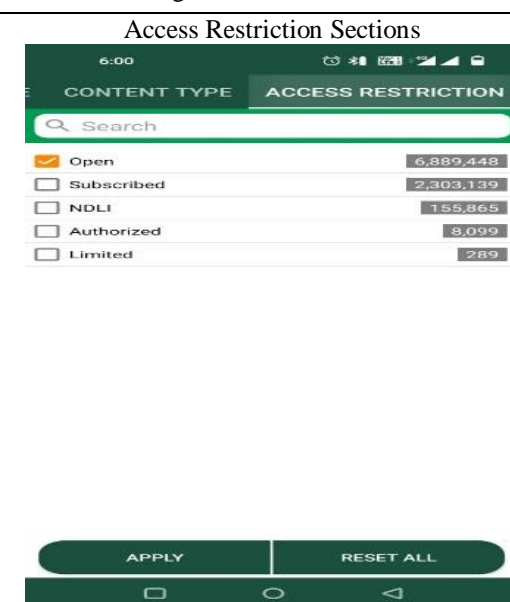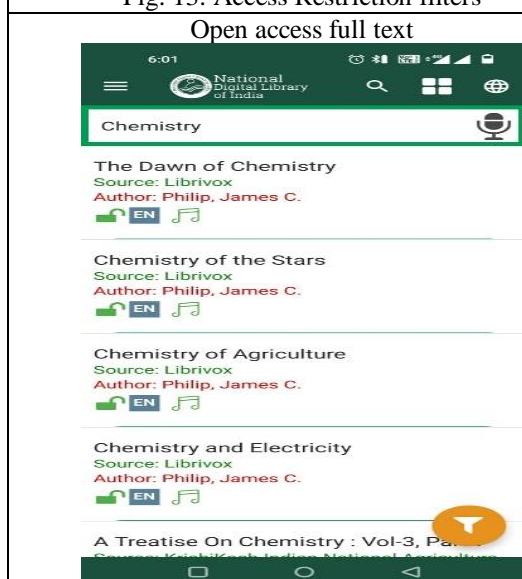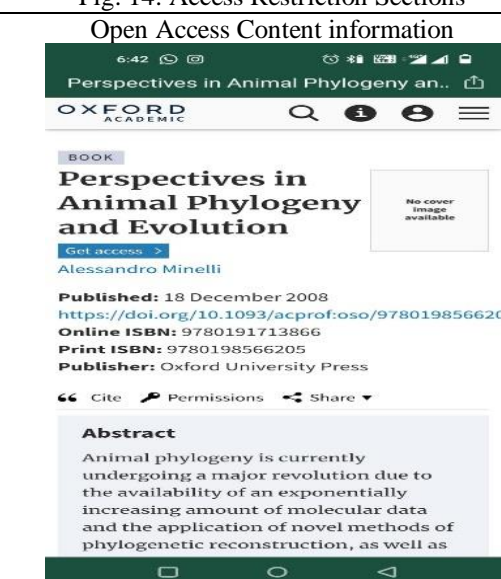| Learning Resource Type	Source Search
Fig. 11: Learning Resource Type	Fig. 12: Source Search
Access Restriction filters	Access Restriction Sections
Fig. 13: Access Restriction filters	Fig. 14: Access Restriction Sections
Open access full text	Open Access Content information
Fig. 15: Open access full text	Fig. 16: Open Access Content information

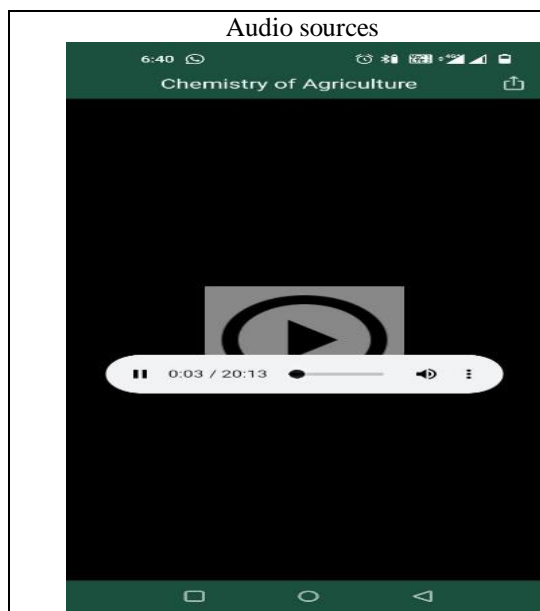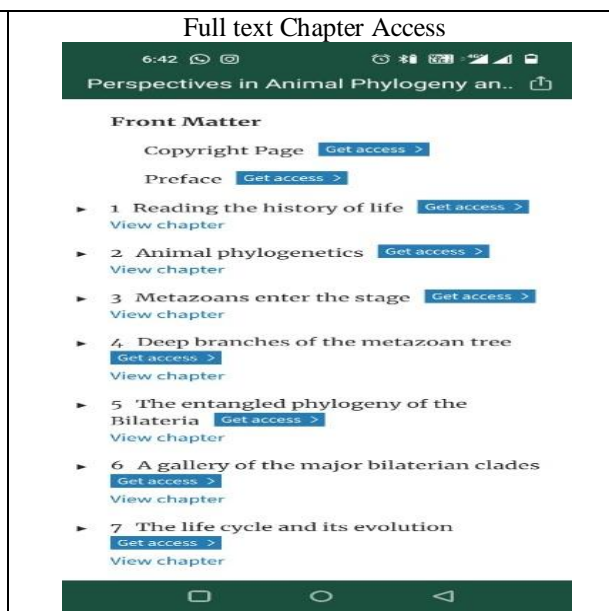| Audio sources	Full text Chapter Access
Fig. 17: Audio sources	Fig. 18: Full text Chapter Access

VI. CONCLUSION

NDLI will give a solitary window search office to go about as an all-inclusive resource for all computerized instructive assets. Data can be tweaked in view of instructive level, language decision, level of trouble, content media, and different elements, while other advanced libraries may exclude these choices. NDLI gives interface backing to all significant vernacular dialects and in this way one can choose their preferred language to look or explore through NDLI. As such, it is like a 'custom help' gave in a 24x7 coordinated climate to meet the necessities of a client and it will resemble an all in one resource for any prerequisite. Great step taken by the training area, you can find every one of the essential necessities like the old scriptures, reading material, highlights like sound conferencing and video conferencing are additionally included. You simply have to chip away at arranging things so it is more straightforward for the client to find what the individual is searching for. NDLI has been intended to help a wide range of clients like users (of all levels), instructors, specialists, curators, library clients, experts, in an specially abled clients and students for their perpetual learning.

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