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## A STATUS REPORT OF THE NATIONAL DIGITAL LIBRARY OF INDIA

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Surpiya Nawale<sup>1</sup> & Ms. Afroj Dange<sup>2</sup>

<sup>1</sup>Librarian, Veer Wajekar Arts, Science and Commerce College, Phunde

<sup>2</sup>Assistant Professor, Annasaheb Awate College, Manchar, Pune- 410503

Corresponding Author - Surpiya Nawale

Email-[supriyanawale12@gmail.com](mailto:supriyanawale12@gmail.com)

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### Abstract:

Wide geographic region and large diverse population of India is the main barrier to spreading education to the masses. Today now in the 'Digital India Era' digital libraries become a boon for the education system. The government uses technology in many of its activities, and providing high-quality education is among them. A one-stop source for all information needs is the National Digital Library of India (NDLI), it gives access to wide range of information by sources, file types, subjects, and educational levels to anyone and anywhere 24\*7. The present paper aims to analyze the current status of NDLI. The information gathered for the latest work from the NDLI's official website and then further evaluated to meet the project goal.

**Keywords:** NDLI, digital library, Data analysis, Library Services, Collection

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### Introduction:

The exponential growth of information has made it more impossible to retrieve particular information for users and purchase all documents for the library because funds are limited. The effect has been that users have become more dependent upon external sources other than parent institutions. For that digital libraries have emerged as a solution for the information need. Digital libraries have their advantages as compared to traditional libraries. Digital library resources and services are available everywhere and anywhere. To support this open access movement, to cater to countless users, and to meet the new philosophy of Digital

India. The MHRD, now the Ministry of Education launched the National Digital Library of India project. NDL has been providing a home page in 11 languages English, Japanese, Kannada, Chinese, Assamese, Bengali, Hindi, Navajo, Oriya, Sanskrit, and Spanish.

Students from kindergarten to graduate level scholars can benefit greatly from the NDLI. NDLI was created by IIT Kharagpur and released in 2016 by the MHRD, or Ministry of Human Resource Development, currently known as the Government of India's Ministry of Education, as part of its National Mission on Education through Information and Communication Technology

(NMEICT).NDLI's goal is to provide information and communication technology-based education on a unified platform. In order to help users, discover the correct information quickly, the NDLI offers filtered and federated searches. NDLI provide information to people in all fields, from the school level to postdocs.It behaves like a single window device. As a one-stop-shop for all digital educational resources, NDLI offers a single-pane search capability. In other words, it is a “custom service” that is provided in an integrated environment 24 hours a day, 365 days a year, according to user needs.

#### Objectives:

- 1) To evaluate the collection at the National Digital Library of India.
- 2) To find out the different types of Resource.
- 3) To find out the different types of Subjects.
- 4) To find out the different types of sources.
- 5) To find out the different types of Learning Resources.

#### Review of the Literature:

Lots of studies were done on NDLI with different perceptions of authors. Katre Dinesh(2004) also stated that the learner-centric approach should be opted for while developing digital libraries in India and, systematic efforts would be done to aware users about digital libraries. Chauhan Suresh and Mahajan Priti (2013) discussed how UGC took initiative to develop digital content via a digital consortium to strengthen library collection. Bhoi Nabakumar and Bhue Shiba(2015)also stated that NDLI is become a new philosophy of digital India and will serve as a milestone in this journey. Darandale and Adinath(2017) did

a detailed swot analysis of NDLI. He found a lot of strength in NDLI but needs to concentrate on weaknesses and threats too. Mangurkar Medha(2018) did content analysis of NDLI. Bisma Bashir, Fayoz Loan, and Nahida Nasreen(2019) provide a detailed overview of NDLI followed by problems arising with NDLI as e-resources.

#### Methodology:

The National Digital Library of India website collected data as of 25 September 2022. (<https://ndl.iitkgp.ac.in/>)

#### Data Analysis:

##### Search by Resource:

According to research articles, the majority of digital libraries contain e-books, electronic journals, electronic magazines, and other standard digital materials. Although NDLI now encompasses a wide range of digital content, including apps, simulations, animations, databases, and other types of digital content not hitherto included in a single digital library, it also includes digital content for conventional commodities.

**Table 1: Types of Resources**

| Sr. No. | Type of Resource | Items      |
|---------|------------------|------------|
| 1       | Text             | 84,344,697 |
| 2       | Image            | 1,621,698  |
| 3       | Video            | 635,202    |
| 4       | Audio            | 260,252    |
| 5       | Presentations    | 178,107    |
| 6       | Simulations      | 11,518     |
| 7       | Applications     | 2,509      |
| 8       | Animation        | 911        |

(Source: <https://ndl.iitkgp.ac.in/>)

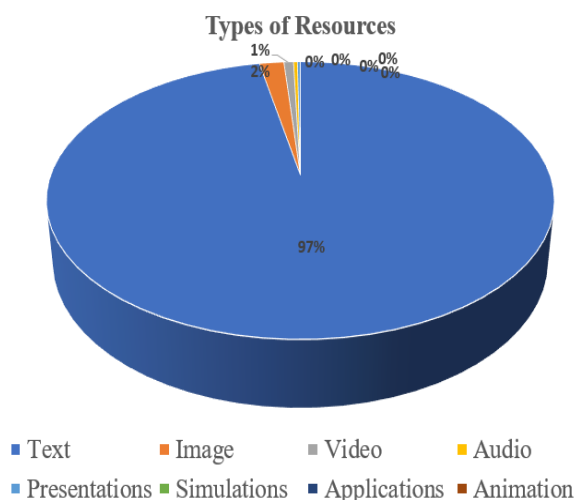


Figure 1: Graphical analysis of the type of Resources

**Search by Subject:**

Table 2: Types of Subject Category

| Sr. No | Subject Category                              | Items      |
|--------|---|------------|
| 1      | Computer Science, Information & general works | 16,623,996 |
| 2      | Philosophy & Psychology                       | 630,386    |
| 3      | Religion                                      | 249,334    |
| 4      | Social Science                                | 6,342,226  |
| 5      | Languages                                     | 206,289    |
| 6      | Natural Science and Mathematics               | 9,919,051  |
| 7      | Technology                                    | 12,850,725 |
| 8      | The arts, fine & decorative arts              | 1,974,273  |
| 9      | Literature & rhetoric                         | 995,432    |
| 10     | History & geography                           | 1,227,536  |

(Source: <https://ndl.iitkgp.ac.in/>)

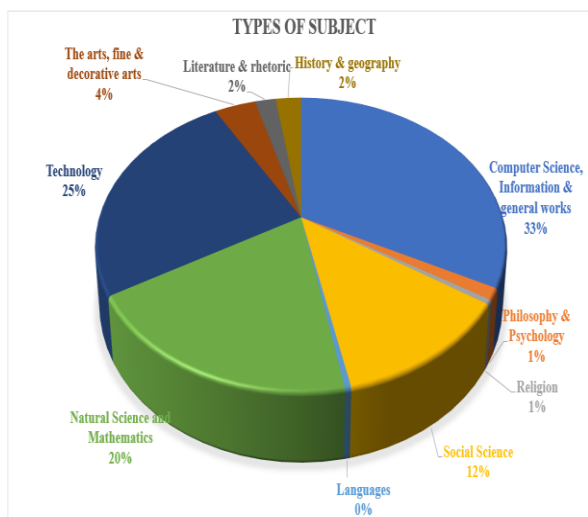


Figure 2: Graphical analysis of types of Subjects

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**Search by Source:**

Table 3: Types of Source

| Sr. No. | Source  | Items     |
|---------|---|-----------|
| 1       | British Council   | 656,861   |
| 2       | Joint Admission Board of IITs                           | 37        |
| 3       | Graduate Aptitude Test in Engineering                   | 183       |
| 4       | NPTEL   | 151,279   |
| 5       | NCERT   | 6,235     |
| 6       | South Asia Archive                                      | 29,969    |
| 7       | OECD iLibrary   | 102,017   |
| 8       | Librivox  | 206,672   |
| 9       | KrishiKosh-Indian National Agricultural Research System | 138,322   |
| 10      | Inflibnet-Shodhganga                                    | 269,702   |
| 11      | Inflibnet-Shodhganga                                    | 1,930     |
| 12      | Inflibnet-N-LIST-Oxford Scholarship Online              | 771       |
| 13      | Satyajit Ray Society                                    | 39        |
| 14      | World eBook Library                                     | 7,526,585 |

(Source: <https://ndl.iitkgp.ac.in/>)

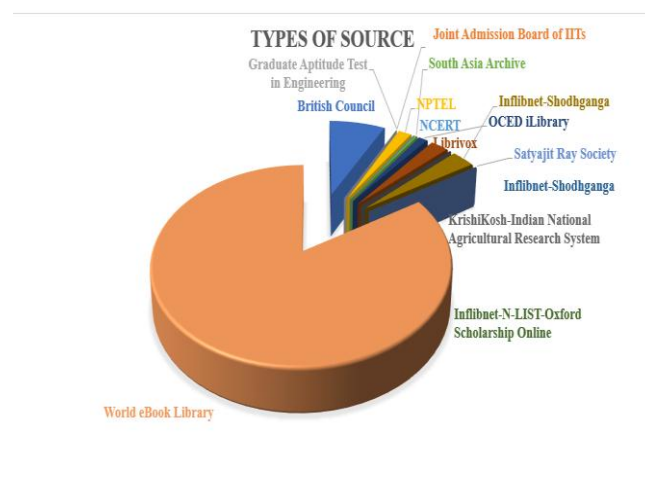


Figure 3: Graphical analysis of types of Sources

**Search by Learning Resource:**

NDL India provides access to the following types of content from various sources: Books, articles, dissertations, manuscripts, webcourses, etc.

Table 4: Types of Learning Resource

| S. No | Learning Resources | Items      | S. No | Learning Resources    | Items   |
|-------|--------------------|------------|-------|-----------------------|---------|
| 1.    | Audiobook          | 233,966    | 22.   | Broadcast             | 27,520  |
| 2.    | Book Review        | 76,555     | 23.   | Brochure              | 2,281   |
| 3.    | Booklet            | 5,327      | 24.   | Calendar              | 4,626   |
| 4.    | Case study         | 186,542    | 25.   | Catalog               | 58,346  |
| 5.    | Newspaper          | 14,690,640 | 26.   | Chapter               | 330,678 |
| 6.    | Periodical         | 15048      | 27.   | Chart                 | 430     |
| 7.    | Photograph         | 1,368,324  | 28.   | Collection            | 13,865  |
| 8.    | Poster             | 10,062     | 29.   | Conference Proceeding | 155,916 |
| 9.    | Script             | 88,285     | 30.   | Correspondence        | 141,530 |
| 10.   | Activity           | 46,629     | 31.   | Data Set              | 242,141 |
| 11.   | Agreement          | 150        | 32.   | Diagram               | 213     |
| 12.   | Album              | 96         | 33.   | Diary                 | 180     |
| 13.   | Almanac            | 3,552      | 34.   | Directory             | 1,957   |
| 14.   | Annual Report      | 34,357     | 35.   | Discussion            | 31,481  |
| 15.   | Appendix           | 1,349      | 36.   | Doubt Clearing        | 326     |
| 16.   | Article            | 42,661,211 | 37.   | Educational App       | 1,899   |
| 17.   | Audio Lecture      | 3,777      | 38.   | Educational Game      | 5,279   |
| 18.   | Autobiography      | 6,125      | 39.   | eMail                 | 165     |
| 19.   | Bibliography       | 6,125      | 40.   | Exercise              | 38,021  |
| 20.   | Biography          | 11,642     | 41.   | Film                  | 4,811   |
| 21.   | Book               | 7,547,190  | 42.   | Gazetteer             | 2,682   |
| 43.   | Graph              | 318        | 78.   | Podcast Presentation  | 1,476   |
| 44.   | Handout            | 389        | 79.   | Poetry                | 21,791  |
| 45.   | Hands-on           | 8,381      | 80.   | Preprint              | 21,713  |
| 46.   | Historical Record  | 533,719    | 81.   | Presentation          | 206,632 |
| 47.   | Indicator          | 490        | 82.   | Proceeding            | 135,906 |
| 48.   | Interview          | 454        | 83.   | Project Report        | 6,547   |
| 49.   | Issue              | 18,763     | 84.   | Question              | 16,522  |
| 50.   | Journal            | 248,887    | 85.   | Question Paper        | 38,885  |
| 51.   | Journal Review     | 1          | 86.   | Question Paper Part   | 240     |
| 52.   | Key Table          | 541        | 87.   | Question Set          | 38,002  |
| 53.   | Lab Material       | 13,244     | 88.   | Quiz                  | 2,407   |
| 54.   | Law Act            | 875,164    | 89.   | Recognition           | 78      |
| 55.   | Law Judgement      | 878,483    | 90.   | Report                | 678,031 |
| 56.   | Law Report         | 6,351      | 91.   | Research Highlight    | 2,708   |
| 57.   | Law Scribe         | 620        | 92.   | Review                | 53,197  |
| 58.   | Leaflet            | 3,215      | 93.   | Self-Assessment       | 6,994   |
| 59.   | Lecture Notes      | 23,328     | 94.   | Series                | 6,857   |
| 60.   | Lesson Plan        | 9,586      | 95.   | Simulation            | 7,875   |
| 61.   | Letter             | 183,730    | 96.   | Source Code           | 105,05  |
| 62.   | Magazine           | 23,509     | 97.   | Specimen              | 1,551   |
| 63.   | Manuscript         | 171,306    | 98.   | Standard              | 12,313  |
| 64.   | Map                | 58,787     | 99.   | Story                 | 19,286  |
| 65.   | Media Article      | 6          | 100.  | Summary               | 8,362   |
| 66.   | Media Act          | 2          | 101.  | Survey                | 3,328   |
| 67.   | Model Answer       | 505        | 102.  | Syllabus              | 2,232   |
| 68.   | Monograph          | 19,223     | 103.  | Synopsis              | 26,692  |
| 69.   | Music              | 4,984      | 104.  | Teacher's Manual      | 1,126   |
| 70.   | Music Notation     | 65,286     | 105.  | Technical Manual      | 2,656   |
| 71.   | Newspaper Article  | 7,443,377  | 106.  | Technical Report      | 716,629 |
| 72.   | News Letter        | 13,720     | 107.  | Thesis                | 760,880 |
| 73.   | Notes              | 70,665     | 108.  | Training Manual       | 941     |
| 74.   | Painting           | 6,334      | 109.  | Transcript            | 1,901   |
| 75.   | Patent             | 166,008    | 110.  | Video Lecture         | 457,819 |
| 76.   | Plan               | 11,574     | 111.  | Visual Artwork        | 2,893   |
| 77.   | Play               | 3,365      | 112.  | Web Course            | 17,318  |

(Source: <https://ndl.iitkgp.ac.in/>)

**Scope and Limitations:**

This paper's goal is to review the current services and facilities of NDLI. The current status of resources is limited to NDLI.

**Conclusion:**

One of the most comprehensive online information sources right now is the NDLI. NDLI offers useful answers by giving metadata of information resources, even though the information explosion will cause consumers to become confused about where to search for information. The updated NDLI has incorporated new elements like the COVID-19 research repository, the Disability Knowledge NDLI club, and test preparation. Despite these challenges, raising awareness of the NDLI, educating its users, and promoting the use of the National Digital Library show that the NDLI is a vast information resource.

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