

NDLI TODAY

Copyright Issues in Digital Libraries: An Awakening

IN THIS ISSUE

- NDLI and Copyright
- NDLI Tech Talk
- Team Showcase
- Edupreneurship Session @ GES 2018
- NDLI Partners' Meet
- Upcoming events



NATIONAL DIGITAL LIBRARY OF INDIA AND COPYRIGHT

The National Digital Library of India is an initiative envisaged to educate, enable and empower young India from the very grassroots with quality knowledge and learning resources across geographies, using the power of digital. With the deep penetration of mobile handsets and telephone networks, a free knowledge portal could benefit students everywhere to learn, share and grow.

However, like every new wave washes in its own set of challenges, knowledge economy has brought in its own technology quicksand, and as gatekeepers of knowledge standing at the door of a digital era, the modern-day librarian is now frequently faced with multifarious issues with regards to intellectual property and copyright.

Digitization has opened up a whole new subject in the form of patents, trademarks and copyrights. We are all dealing with vast amounts of data daily thanks to the instant access of digital, and particularly on the subject of education and knowledge sharing, India as a country is yet to consolidate its laws and policies.

Speaking from our own learning curve, legendary filmmaker Satyajit Ray's "Kheror Khata" or "Red Note books" was available for free access through the NDLI portal and mobile apps. Containing the director's hand-written notes, this priceless piece of content faced infringement when our team received news that the book was being downloaded and sold in 2017. We had to block the print option in the pdf immediately and put a watermark on every page. Over 160+ scanned books in the archive of our partner DLI (Digital Library of India) attracted notices for alleged breaches of copyright leading to the temporary shutdown of the entire website and consequent quarantining of over 5 lakh rare books from NDLI. We even received rights violation alerts from one of our European content providers, which made us realise that to execute our vision for an ubiquitous digital knowledge resource, we first need to lay a strong legal foundation in terms of copyright to prevent misuse and infringement of such vast reserves of content.


It is in this context that we called for a National Workshop on Copyright Issues in Digital Libraries. Attended by librarians from over 100+ premier institutions from almost every state in India, the workshop, held under the very able aegis of Prof. Prabuddha Ganguli, was a real eye-opener. The two-day workshop saw animated debates, accounts from librarians about the copyright dilemmas faced in their own institutes - a lot of problem sharing which was directed and answered by our distinguished panel.


My heartfelt gratitude to Dr. G.R. Raghavender, Prof. Prabuddha Ganguli, Adv. Anjan Sen, Prof. Uma Kanjilal, Prof. Shreya Matilal and all the participating institutes for their undying enthusiasm and cooperation that made this workshop such a huge success. Two minds are always greater than one, and we were privileged to have not just two, but over a hundred of the country's best resources to mark another step towards democratizing education in India.

Jai Hind.

- Prof. Partha Pratim Das
Joint Principal Investigator, NDLI,
IIT Kharagpur.

#NDLI SOCIAL

 **Rocking Shiv** January 27, 2018
★★★★★
This is the best digital library app. The best feature is you can easily access resources of colleges like IIT, IIM, MIT and more

 **Prabhanjan Kulkarni** November 6, 2017
★★★★★
Useful app. A good initiative. Many open source material available. Just a note to new users: if the particular material has a green open lock, the material is free to read/download. And if there is a red closed lock, the material is not free.

NDLI IN THE NEWS



19th February, 2018

Scottish Church School gets digital library



8th March, 2018

IIT's 'Wow' gets fans on social media



19th March, 2018

India's digital library plans to collaborate with foreign peers



26th March, 2018

Digital Library Copyright Issues under NDLI scanner



COPYRIGHT ISSUES IN DIGITAL LIBRARIES: AN AWAKENING

EVERYONE IS DEALING WITH COPYRIGHTED MATERIAL, BUT NO ONE KNOWS WHAT IT IS. SO THE QUESTION IS, WHERE DO YOU START?

Copyright as a subject is not very well accepted in India, and librarians, who deal with a large amount of copyrightable material are not fully aware of its implications. The NDLI platform, now in its second phase with 1.5Cr content from over 160 sources, has received immense popularity as well as criticism along its journey. As the library grows in content and users with the vision of democratizing education through the power of technology, copyright and intellectual property have also grown to become burning issues in the digital domain. India is yet to make up its mind on Open Access- as a result, academics, students, teachers and particularly librarians are constantly finding themselves in the front-line of this debate between rights vs. access to knowledge.

We had to begin somewhere. NDLI being a content platform already under the radar of copyright issues gave us the perfect opening - we decided to start with the

curators, information scientists and librarians.

We focused on three things:

1. Are our librarians familiar with the Indian Copyright Act?
2. What are their rights?
3. What can one do beyond the Copyright Act that will not be considered as infringement?

All participants were grouped into syndicates and given live case studies to give them a first-hand experience on the nature of IPR issues and the subsequent judgements. The groups then had to get up on the dais and give 5 minute presentations thereby learning how to identify, appreciate and tackle IPR issues when faced with the same. Once subjected to this exposure, the workshop required the participants to come up with a bank of questions, which are now being reviewed by a panel of eminent lawyers and shall form the guidelines of a manual for good practices on Copyright in India, the first document of its kind.

As Digital India powers on in her quest to achieve global standards in today's knowledge economy, this workshop commensurated an awakening, which will hopefully ripple across the country to not just enable, but empower students and academics everywhere to learn, share and grow.

- Prof. Prabuddha Ganguli
CEO, Vision IPR and Visiting Faculty, IIT Kharapur.



Prof. Shreya Matilal, IIT Kharapur @ the National Workshop on Copyright Issues in Digital Libraries

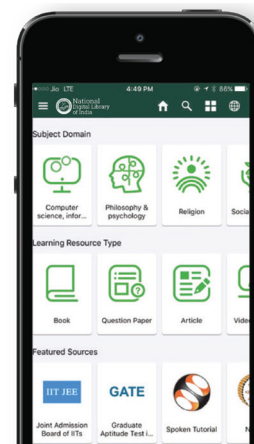
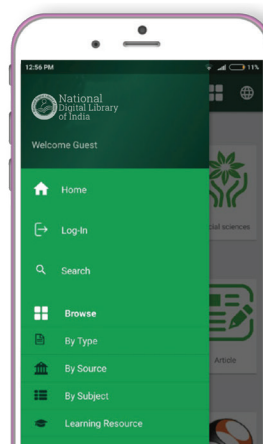
NDLI APP UPDATE



9.1L+
ANDROID DOWNLOADS



8000+
iOS DOWNLOADS





NDLI TECH TALK: RIGHTSSTATEMENTS.ORG: RIGHTS, TECHNOLOGY AND DIGITAL LIBRARY

Intellectual Property Rights are the rights associated with the creation of intellectual minds. Violation of these rights in terms of distribution, reuse, adaption and other processes in the information life cycle has mild to severe legal implications. In countries like India, there has been a severe lack of knowledge and awareness about IPR in regard to usage constraints of digital artifacts. On another note, the digital libraries in many cases do not attach explicit information about IPR restrictions with resources in their respective collections. Another problem related to IPR specification is that different libraries use different methods to represent IPR status of the resources. This leaves enough scope for ambiguities in interpretation of the rights information attached to the resources. Sharing and integration among digital libraries require the IPR information to be represented in a machine processible format so that the computer programs can make inferences about the rights statements. In order to represent rights statements, the following requirements have to be met:

- Unambiguous rights statements that can represent the IPR status of digital resources
- Standardization of vocabulary to represent the rights statements
- Technology framework for machine processible statements

Rightsstatements.org

Rightsstatements.org (rs.org) is a joint initiative of Digital Public Library of America (DPLA) and Europeana to provide an international standard for representing rights statements for cultural heritage objects. Rs.org currently provides 12 rights statements that can be used by digital libraries to communicate the legal status of the resources to the public in a clear and unambiguous manner. The statements in rs.org can be classified into three categories: IN COPYRIGHT (digital objects that are in copyright), NO COPYRIGHT (not in copyright but there may be other restrictions), OTHER (copyright status is unknown). The rs.org statements are currently being used to describe cultural heritage objects in Europeana and DPLA. National Digital Library of India has joined as a partner organization and has started to explore how rs.org can be integrated with different digital libraries in India.

The Data Model

The data model for representing the rs.org statement considers existing vocabularies and Resource Description Framework (RDF) 1.1. The vocabularies that have been considered are Simple Knowledge Organization System (SKOS) and Dublin Core. The interoperability has been established by ensuring that the rights statements (dcterms:Rightsstatement) can be interlinked with other standards like ODRS, ccREL, and ODRL in the licensing domain. The RDF based data model also provides ways to link a rights statement to other rights statements using skos:closeMatch, skos:exactMatch, skos:broadMatch, skos:narrowMatch and skos:relatedMatch.

- Prof. Plaban Bhowmick,
Co Principal Investigator, NDLI,
IIT Kharagpur.



**1.6 CR+
CONTENT**



**160+
CONTENT
SOURCES**



**14,000+
REGISTERED
INSTITUTES**



**30L+
USERS**

TEAM SHOWCASE



DR. PIJUSH KANTI MAITI
CONSULTANT - CONTENT CREATION

Once a library has become digital the whole definition of the word 'library' is bound to get reinvented. A digital library can be a means of education for the masses in a country like India. So content creation/curation has become one of the most important verticals of NDLI. We are here to provide a level playing field for students all over India irrespective of their socioeconomic background. NDLI has started collating solutions to the last 10 years' JEE (Advance)/IIT-JEE question papers. This will be uploaded after review completion. Presently we are working on solutions to the previous years' CHSL (10+2) Exam (conducted by Staff Selection Commission) question papers.



SUBHAYAN ROY
TECHNICAL OFFICER (IT)

At National Digital Library of India, we endeavour to deliver educational contents to learners of all levels starting from school students upto researchers. We have collaborated with contributors to make their subscribed content available to users via the NDLI platform. We are looking forward to further collaborations that enrich the NDLI repository, and thus benefit the users. Our future plan includes improving user experience on the NDLI website and apps, by providing better and personalized search results. We are currently working on building a framework that supports domain-specific user-interface to cater to the needs of a diverse range of users.

GUESTS' QUOTE



"NDLI is a great initiative by the Govt. of India which is facilitating access to quality education for our masses. We need policies to be decided at a national level so that all the content can be accessed securely and within the framework of Copyright, but this platform will help balance the scales of our economic and infrastructural divide in the domain of education."

- Dr. G. R. Raghavender
Joint Secretary, Dept. of Justice



"If National Digital Library of India was a river, then someone may drink from it, someone may bottle and sell the water and others may use it for agriculture. It will benefit everybody."

- Col. Rajendra Prasad Nadella
Founder & CEO, iScholar



"National Digital Library of India provides a tremendous opportunity for e-learning to develop. It is through combining content with pedagogy, technology and proctoring that outcomes are reached. NDLI is an open innovation platform where the more people collaborate, the more everyone stands to gain."

- Mr. Satya Narayanan
Founder, CL Educate Ltd



The Edupreneurship Session @ GES'18, Col. Rajendra Prasad Nadella speaks on digital education

EDUPRENEURSHIP SESSION @ GES 2018

The Global Entrepreneurship Summit at IIT Kharagpur was held between 2nd to 4th February, 2018. It brought together some of the best minds in the country in a bid to support entrepreneurs and empower innovative thinking. A session dedicated to Edupreneurship, opened to participants by Dr. Partha Pratim Chakrabarti, Director, IIT Kharagpur and PI, NDLI, not only showcased National Digital Library of India, but also other e-learning initiatives coming up in the country. National Digital Library of India is developed by IIT Kharagpur under the Ministry of Human Resource Development. It is a single window digital platform that brings together learning resources from contributing universities and other sources and makes them available for all learners.

The session on Edupreneurship highlighted the areas where National Digital Library of India will further education by making learning resources accessible, even in remote locations. Prof. Partha Pratim Das, Joint PI, NDLI explained that a Google search to locate information can prove to be inadequate for learners. What this means is that both a middle school student and a PhD researcher would find the same content upon entering similar keywords. National Digital Library of India is different in that learners can better locate resources meeting different learning needs, spanning different age groups and learning styles.

The opening speech of the Edupreneurship Session set the pace for a series of talks explaining the relevance of digital connectivity within the sphere of education. The first speaker, Mr. Satya Narayanan of CL Educate Ltd explained that while content is always king, there are additional steps that are required for digital education to really take off.



Mr. Gaurav Goel, CEO of TopRankers Edge, speaking on the changing paradigms in education



Mr. Jishnu Gupta from Knowledge Lab



Dr. Amit Parikh from Eduncle



Members of the audience listening intently @ Edupreneurship Session

CEO of TopRankers Edge, Mr. Gaurav Goel brought to focus the importance of empathy and building relationships with learners - they can provide insights that might have otherwise gone unnoticed. Speaking on behalf of Knowledge Lab, Mr. Jishnu Gupta suggested that linking the content available on existing educational platforms with NDLI can result in greater knowledge sharing which would benefit all stakeholders. Dr. Amit Parikh from Eduncle emphasized the importance of taking education to the villages with the aid of modern technology.

iScholar's Founder Col. Rajendra Prasad Nadella offered insights on the importance of online learning initiatives. Digital connectivity changes the game by making available multiple modes of learning that can be customized according to learner needs.

Mr. Sayantan Chatterjee from BeaTest discussed that a degree is not everything in today's working market. Engineers may enter good colleges to get distinguished jobs, but at the end of the day, only 19% of students are termed employable by companies, "Industry is thinking of innovation every day." Sparks of innovation can be materialized only through access to information and learning resources, and that is where NDLI can make an impact.

The Edupreneurship Session worked to not only inform and educate listeners about existing ventures into digital education, but also to inspire entrepreneurship in the field. Aspiring edupreneurs were also encouraged to use NDLI's open source as a knowledge base to build their own products.

GALLERY



Dr. P. P. Chakrabarti Director IIT Kharagpur, PI, National Digital Library of India, inaugurating the Partners' Meet with a clarion call to all knowledge partners



Mr. Jiban Gopal Bhattacharyya (L) with Dr. Bablu Sutradhar (R) @ the NDLI Partner Felicitation



Poonam Anthony from Team NDLI @ the NDLI Partners' Meet



Dr. K. Rama Patnaik from IIM Bangalore addresses the audience @ the NDLI Partners' Meet



Edupreneurs from Knowledge Lab, Eduncle, iScholar, BeaTest, Careerguide, CL Educate Ltd and TopRangers Edge with Prof Partha Pratim Das @ GES



CL Educate Ltd founder Satya Narayanan speaks @ GES Edupreneurship Session



Dr. G. R. Raghavender, Joint Secretary of the Department of Justice, felicitating Professor Shreya Matilal, IIT Kharagpur @ the National Workshop on Copyright Issues in Digital Libraries



Professor Prabuddha Ganguli (L) and Professor Partha Pratim Das (R) @ the National Workshop on Copyright Issues in Digital Libraries

NDLI PARTNERS' MEET



Ms. Tutu Mukherjee (WBNUJS) being felicitated by Dr. Partha Pratim Das @ NDLI Partners' Meet



(L-R) K. Rama Patnaik (IIM Bangalore), Jaba Chakraborty (Rajiv Gandhi School of Intellectual Property Law), R. Samyuktha (Pondicherry University), Jayakumar Chockalingam (IIT Roorkee), F.R. Sumer (NEH University) & Rokester Kharbikhiew (NIT Meghalaya) @ NDLI Partners' Meet

8-10th February, 2018 saw a piece of history being made at the Kalidas auditorium, IIT Kharagpur. Librarians of premier institutes from almost every corner of India joined hands to begin the second phase of scaling for National Digital Library of India.

Over 100+ partners including Indian Institute of Science, IIM Ahmedabad, IIT Guwahati, Dhirubhai Ambani Institute of Information and Communication Technology, IIAS Shimla, NIT Jamshedpur, Central Scientific Instruments Organization, Pondicherry University, SPA Vijayawada, Human Rights Law Network, NIT Raipur and many more discussed the challenges, possibilities, bottlenecks and way forward to build an ubiquitous knowledge resource of Global calibre that can benefit learners everywhere using the power of digital technology.

132 national and international partners including UNESCO, IFLIBNET, JNU, TERI etc. were felicitated as workshop hosts, content contributors, IDR partners and nodal persons at this grand conglomeration. The Partners' Meet was followed by an interactive, hands-on workshop on Copyright Issues in Digital Libraries conducted by the leading minds in Intellectual Property Rights.

PAST EVENTS

Feb'18: Edupreneurship Session @ Global Entrepreneurship Summit

Feb'18: National Workshop on Copyright Issues in Digital Libraries and NDLI Partners' Meet

March'18: Regional (North V) IDR Workshop, IIT Ropar

March'18: Regional (North-III) User Workshop @ Chandigarh University

March'18: NDLI User Workshop for Librarians of Public Libraries, Tamil Nadu

UPCOMING EVENTS

April'18: Regional (North VI) IDR Workshop, University of Jammu

April'18: Inauguration of NDLI-NE-RC (North-East Regional Center)

NATIONAL DIGITAL LIBRARY OF INDIA

Central Library • Indian Institute of Technology Kharagpur •
Kharagpur, West Bengal, India – 721302
+91-3222-282435 • ndl-support@iitkgp.ac.in

