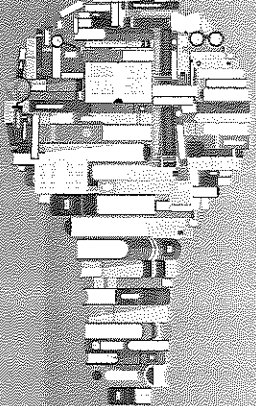


Innovative Ideas & Services in Library and Information Science



The Information Technology (IT) plays a vital role in today's global knowledge economy. The whole world is witnessing that innovations in IT sector radically transforming all the aspects of human life. Similarly, IT has transformed the role of libraries creating new challenges and opportunities. IT has an immense potential in enhancing the capabilities of libraries to increase the efficiency, productivity and effectiveness of library operations and services. Even, whatever the information resources and services are being provided by the libraries in digital form to its users can be accessed easily from anywhere anytime.

The present book deals with some of the pertinent issues of library and information science such as knowledge management practices, ethical issues in publishing, green libraries, robotics in libraries, impact and use of Internet, service quality issues of libraries, bibliometric research, impact of current pandemic situation (COVID-19) on libraries, impact of ICT on libraries, and e-learning, etc. The prime objective of this book is to help all the library and information science professionals, students, research scholars, teachers of library and information science to enlighten with the areas of information and communication technology, innovations and its widespread impact on library and information services. This book will be useful for all the stakeholders of library and information science, who want development in their professional knowledge and career.



Dr. Bhanu Partap is presently working as Assistant Librarian in Nehru Library, CCS Haryana Agricultural University, Hisar (HR), India since July 2013. Before joining the current position, he has served many institutions situated in Punjab, Haryana, Uttarakhand and Chandigarh between September 2005 to July 2013. He has received M.LiSc. (2005) and M.A. (Mass Comm.) (2008) from Kurukshetra University, Kurukshetra and received M.Phil. (LI) in 2008 from Alagappa University, Karaikudi (Tamilnadu), India. He has qualified the exam of UGC-NET in June 2010 and also received the degree of Ph.D. in Library & Information Science (2018) from Kurukshetra University, Kurukshetra. He has about 15 years of professional experience in the field of librarianship. He has published more than 70 articles in the National and International Journals, conference proceedings and edited books and has also written/edited six books.



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Innovative Ideas & Services in Library and Information Science

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Innovative Ideas & Services in Library and Information Science

Issues and Challenges



Bhanu Partap
Priyanka Neogi



**Innovative Ideas and Services in
Library and Information Science**
Issues and Challenges

Innovative Ideas and Services in Library and Information Science *Issues and Challenges*

Bhanu Partap

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THE EDITORS



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2021

Daya Publishing House[®]
A Division of

Astral International Pvt. Ltd.
New Delhi - 110 002

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Publisher's Note:

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Cataloging in Publication Data--DK

Courtesy: D.K. Agencies (P) Ltd. <docinfo@dkagencies.com>

**Innovative ideas and services in library and information science :
issues and challenges** / [editors], Bhanu Partap, Priyanka Neogi.

pages cm

Contributed articles.

Includes bibliographical references and index.

ISBN 9789390435890 (HB)

1. Libraries--Technological innovations--India. 2. Information science--Technological innovations--India. I. Partap, Bhanu, editor. II. Neogi, Priyanka, author.

LCC Z672.5.I56 2021 | DDC 020.285 23

Published by : **Daya Publishing House®**
A Division of
Astral International Pvt. Ltd.
– ISO 9001:2015 Certified Company –
4736/23, Ansari Road, Darya Ganj,
New Delhi-110 002
Ph. 011-43549197, 23278134
e-mail: info@astralint.com
Website: www.astralint.com

Printed at : **Replika Press Pvt. Ltd**

Preface

Technological innovations have impacted every knowledge society worldwide in one way or the other. That is why current era is also known as digital or technological era. The growth of the Information and Communication Technology (ICT) has changed the entire library activities, i.e., from manual to automated or print to electronic. Today libraries are shifting their role from the custodian of traditional or print information resources to the service oriented centre, which are always ready to serve the users by fulfilling their actual informational demands. The implementation of information and communication technology in the various activities of libraries has provided great opportunities for sharing e-resources among the users, which can be accessed from anywhere, anytime as per the convenience of users. The modern libraries are now being procuring various electronic resources for its collection development in a better way because e-resources are easy to find and use by the users. The growing demand from the users has created new tools and techniques, which would definitely create a history in the documentation processes in the future digital libraries. The library without walls in the form of digital repositories and portals are now accessible to users without any barriers of space, location, and time. The application of information and communication technology to the library operations and services has become a key to the success in satisfying the changing information needs of users. The proper implementation and use of new technologies in library is no longer a matter of choice but a matter of survival in an era of rapidly changing technology and global knowledge society.

Extensive use of computers, increased reliance on computer networks, rapid growth of Internet and explosion in the quality and quantity of information compelled libraries to adopt new means and methods for the storage, retrieval and dissemination of information. Library automation, development of digital libraries

and application of innovative Information and Communication Technologies (ICT) have tremendously increased because it provides enhanced user satisfaction, cost effectiveness, rapid responses, and easier operational procedures. Nowadays, the libraries have the collection of vast information resources, which is available in the form of print and electronic, gives access of use to not only within its premises but also given access to remotely.

As this is the digital era, the use of digital information in the modern world is increasing at a phenomenal rate. At the same time, an increasing proportion of new information is being conceived, produced and distributed in electronic form and management of these resources has become challenge to the librarians and other information professionals. Hence, innovative ideas must be adopted to meet the technological challenges as well as to meet the rapid changing information needs of the users.

The present volume "Innovative Ideas and Services in Library and Information Science: Issues and Challenges" is a collection of selected articles written by the library and information professionals and teachers on various topics at national and international level. This book intends to present some of the crucial issues related with the library and information science such as green libraries, knowledge ecology, service quality assessment, knowledge management, human resources management practices, innovative technologies, impact of current pandemic on e-learning process, bibliometric research, scientometric research, robotics in libraries, QR code technology in libraries, web based library services, e-learning, future trends, electronic library consortium, and impact of Internet, etc. The authors have contributed the papers based on their professional experiences. So we hope that this book will be useful for library practitioners, researchers and academicians to acquaint and update with the innovative ideas and technologies in the field of library and information science.

Bhanu Partap
Priyanka Neogi

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Chapter 10

Library Services and Precautions during Covid-19 'CORONA' Pandemic

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ABSTRACT

COVID-19 shows up to spread from person to person by a comparative framework as other customary cold or flu infections-for case by up near and individual contact with a sneeze or hack, or from contact with releases of people who are sullied. Libraries, as a social organization, are obligated for ensuring common wellbeing mindfulness and the course of action of cutting-edge information to clinicians and bosses. Be that because it may, within the age of various information sources and differing correspondence channels clients do not by and large get to the foremost genuine information. Considering the latest COVID-19 news, the Libraries have progressed to offering library services on the web and remotely. Libraries are shut down. Around the globe, library and data employees are putting forth a valiant effort, both by and by and expertly, to manage the COVID-19 pandemic. Indeed, even as certain libraries are – warily – starting to release limitations, others are seeing them come into place. Normally, the attention is on the present moment – how to keep library staff, assistants and supporters safe, how to continue offering administrations as most ideal, how to

oversee vulnerability. The Libraries entrances might be shut down due to COVID-19, however, many users were getting access of digital databases such as e-books, e-journals, e-magazines, e-papers, e-book recordings, audio books, etc. and these things were accessible for downloads from many libraries.

Keywords: *Library service, Precautions, Corona virus, Pandemic, e-Resources, Publishers resources, e-Education, Online learning.*

1. Introduction

So as to help with the troublesome choices that libraries should make about proper degrees of administration and staffing during Covid-19, the Libraries have made a Pandemic Service Level. For securely taking care of library materials, and a Pandemic Service and Staffing Plan Template, which frameworks may use to make their own arrangements.

Since libraries are available to all and serve the most helpless populations in a non-clinical setting, pandemic arranging direction for libraries may contrast from different associations or organizations. Similarly, the same number of libraries have limited or quit coursing physical materials, they have in equal seen a lot more prominent interest for computerized content.

They are endeavoring to recognize approaches to help internet learning for understudies everything being equal, frequently beating obstructions. In their own work, even the individuals who were beforehand generally impervious to new devices and innovations are becoming acclimated to remote working and correspondence.

The limitations won't keep going forever be that as it may, and many are anticipating the likelihood to work up close and personal with clients and associates, just as to taking care of new books and materials once more. In any case, the potential outcomes of advanced – for getting the hang of, investigating and getting to all types of culture – will be more clear for all, and accommodation may well swap need as a purpose behind utilizing on the web devices. These obviously carry with them progressing worries about how to ensure protection all the while.

The job of libraries as computerized – just as physical – suppliers of data and administrations appears to probably be affirmed. It is not yet clear whether the more ideal conditions set out by right-holders for access to electronic works will proceed (or how much they will keep on printing physical works by any stretch of the imagination), and whether library financial plans themselves will swing back to physical spending.

Basic and secondary schools may wipe out acts of understudies changing homerooms and Institutions dispatches at understudies work areas or take out physical instruction and advance online trainings.

A more extended term change may be in how these establishments address the accessibility of web based learning. Having progressed content into internet learning, numerous understudies and families may find that they incline toward full or molecule web based tutoring.

As social event puts on grounds, by what means will libraries adjust approaches and administrations to more readily serve understudies that training increasingly constrained development nearby.

Consequently, numerous libraries have adjusted librarians to help online students while libraries are shut down. A Future test may be in supporting progressively cross breed blends in with some online students and some in-person students. Extra requests – in a period of likely constrained assets – could additionally pressure library experts and employees.

Libraries rely upon forefront staff to offer important types of assistance to networks. The Pandemic moved numerous libraries to regulate their pledge to the network with their responsibility to the security of staff and the benefactors they serve. As Libraries come back to a world that could keep on having some general health hazard, by what method will cutting edge staff be encouraged.

2. Impact of COVID 19 on Education System in India

Most governments around the world have also closed educational facilities to stopping the spread of COVID. This state-wide dismissal affects more than 60 per cent of the global population. Several different countries issued limited layoffs. A couple of various countries have realized restricted terminations influencing a considerable number of additional understudies.

UNESCO is supporting countries in their undertakings to assuage the brief impact of school terminations, particularly for continuously helpless and frustrated systems, and to energize the rationality of guidance for all through far off learning.

Frost and the extreme effect of COVID-19 shook the world to its center. Likewise, most governments around the globe have incidentally laid off the careful establishment of a push to spread the COVID-19 plague. In India, the lawmaking body shut every single instructive foundation as a feature of an across the nation bandh, bringing about understudies going from school youth to graduate understudies. The finish of the nation influences over 91 per cent of the number of inhabitants in this universe. Numerous particular true nations have restricted presentation to hazard, influencing countless extra distraught individuals.

UNESCO nations bolster their endeavors to address the effect of school terminations, especially on for all time powerless and distraught frameworks, and to guarantee the intelligibility of instructing for all at the expense of learning detachment. UNESCO assesses that the Corona pandemic is influencing in excess of 290 million armpits in 22 nations. As indicated by UNESCO gauges, around 32 million CUs are influenced in India, including schools and colleges.



Figure 10.1
(Source: Jordan Times and Tehran Times)

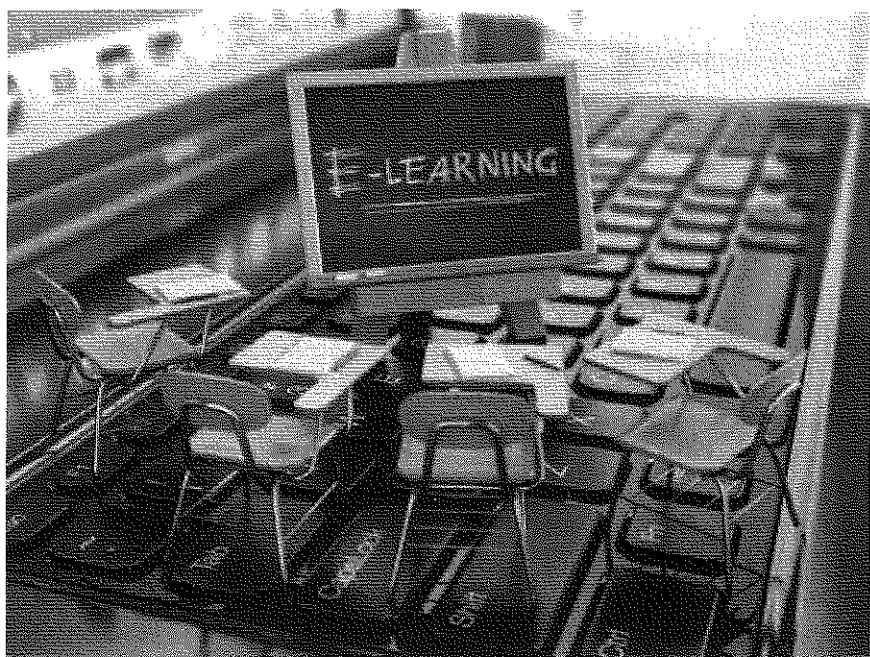


Figure 10.3
(Source: Jordan Times and Tehran Times)

In this manner, the legislature has concocted e-learning program. Various training and innovative firms have endeavored to utilize the occasion by offering free online classes or appealing cutoff points on e-learning modules. These measures have been met with overwhelming response by understudies with certain new organizations seeing as high as 25 per cent uptick in e-learning. Distant learning has all the earmarks of being a viable response for understudies during this time as they offer beneficial, in a hurry and moderate access to works out. E-adjusting furthermore comes as an interesting and keen choice when diverged from homeroom instructing.

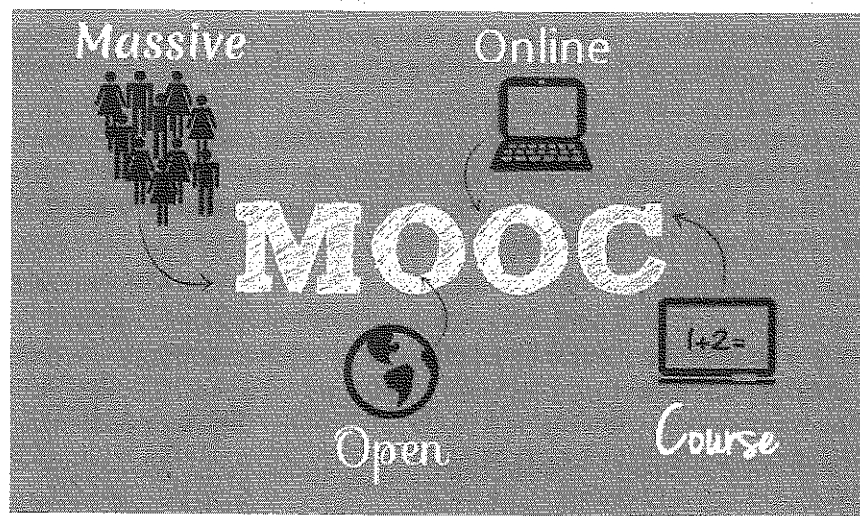
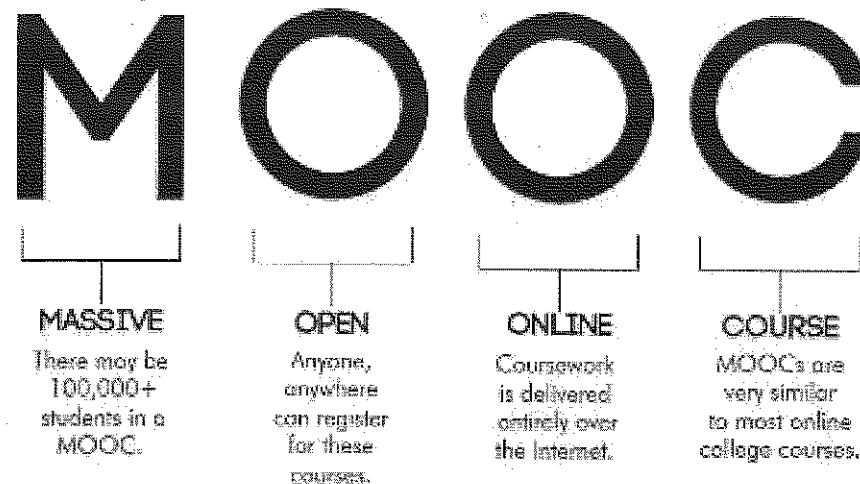


Figure 10.4
(Source: Learning Technologies, Renewables-Liberia)

Modernized or internet preparing and training can make standard guidance

possible which will enable far reaching guidance by empowering learning all around the India.

An all out change in the way it adjust today has been accomplished by Technology. Each understudy gets in contact with a world-class guidance, which is nothing yet hard to present by the customary white chalk and board system for teaching. This new learning is moreover captivating, modified and enchanting.

MOOC is an online course openly accessible through the web. India is seen as the best market for MOOCs on earth after the USA. Online far away learning programs give a mind blowing opportunity to benefit first rate learning with the help of web accessibility.

Mechanized and web based learning has various focal points in itself like propelled learning has no physical cutoff points. Modernized learning is always with its limitations and challenges. Web learning is the best sort of distance education. Working of the propelled guidance structure by the Government of India straightforwardly has all the reserves of being inconvenient as a result of non-attendance of budgetary arrangement.

Most of the parts of India, especially rural areas, are facing the problem of poor internet accessibility whereas benefit of good internet accessibility is a fantastical thing for urban zones in India for web based learning. Government of India is doing much in this field yet there is the requirement for more attention in rural areas.

E-learning gives off an impression of being somewhat scrappy and uninterested experience. Moreover, e-learning is most likely going to watch a high dropout rate due to the non-attendance of atmosphere for looking at.

Viable movement of preparing is in like manner being alluded to in light of the fact that learning at the level of cutting edge instruction and learning at the kindergarten/school level can be unprecedented. Equal advanced training can't be applied to all levels of instruction. E-learning will reliably outfit the understudies with different information in different habits. Before sending the study material to the students, one should check the accuracy of study material. Educational data hovered in online should be fittingly kept up.

Since finally these electronic informative course classes will in like manner brief hacking systems and intruders coming in. The propelled wellbeing challenge will remain all over the place while giving guidance. As a result of the eruption of the pandemic, the 'Work from Home' culture is impacting in India. As social expelling is prescribed as the best way to deal with control the spread of COVID-19, associations are defied with a marvelous trial of promising it is the same old thing whether or not every person is working distantly.

In India, with such colossal quantities of different ways to deal with describe e-learning and the enlightening philosophies that can be taken in these learning circumstances, various schools and extra instructive program development classes have started using the advancement. Through applications, for instance,

Zoom, Webex, Google Meet and so on various schools especially constructing and organizing colleges have grasped the task of showing understudies through video conferencing. There is picture, sound clearness which makes allowing of data and getting the hang of convincing for both the instructor and the understudy.

What's more, be that as it may, there's a stunning weight as tests must be delayed. Evaluations can't be driven on the web. It isn't reasonable hardly the subject of giving consistent and nonstop getting in the midst of the area of COVID-19 pandemic the educator should focus on much developed course. Online course, which underpins the instructor and understudy, to submitting course material within proposed time limit into the e-learning condition

Utilizing development, instead of using traditional guidance system, a better alternative should be used in order to overcome the problems and challenges offered by COVID-19 pandemic. Learning as stated is a stable and an always going on method.

This pandemic situation has disrupted the whole education system in India, from schools to colleges and even universities. But we should take this setback positively, by bringing unpredictable development to our educational system, and do initial preparations to face pandemic like situations in future.

3. Education has been Disrupted and Postponed – would be able to restrain the scarring impacts?

Because of the quick footwork of numerous instructive establishments – including their libraries – a ton of educating has moved on the web. Exercises and talks are given through videoconference, schoolwork and assignments set and got by email or committed stages, and some are in any event, proposing on the web and online tests.

Over the long haul, there is probably going to be significant requirement for help to understudies hoping to get up to speed or take new choices about their fates. On the web or potentially long lasting learning openings will assume a key job in this – libraries have the notoriety and materials to help in both, either as supplier or stage for other people. Along these lines, they can help guarantee that impermanent disturbance doesn't transform into perpetual harm.

Indeed, even as certain nations can loosen up controls on individuals' lives and exercises, others are delaying them. At times, it has seen choices to re-force them, as the illness has returned. It will probably be quite a while until it can discuss a post-pandemic world.

Regardless, as calls develop for clearness about how governments intend to approach coming back to typical, it will bode well to draw in with governments. Without a doubt, this is probably going to be especially essential in the light of the genuine monetary effect COVID-19 is now having.

As foundations which do rely upon the monetary strength of the legislatures, establishments or different associations that help them, it will be as significant as ever to guarantee libraries—and their qualities—are comprehended as having a fundamental job in the recuperation, or even in making better social orders and economies in future.

Accordingly hopes to investigate potential backing plans in the quick, medium and longer-term. In this, the present moment is characterized as now – with libraries in numerous nations genuinely shut. The medium-term is the circumstance as libraries start to re-open and limitations are lifted. The drawn out alludes to when the pandemic can be proclaimed over, and just negligible if any standards are set up to address the spread of the illness.

4. Formal and Informal e-Learning

A few types of e-learning – online instruction and web based preparing reproduce the proper learning experience on the web. Online instruction gives grown-ups constrained education aptitudes with a protected and patient spot to create fundamental abilities, for example, perusing and numerical aptitudes. The main factor that isolates web based preparing from instruction is that the abilities and information educated through preparing are relied upon to be utilized right away. E-learning permits us to investigate the capability of casual learning, for example, Knowledge Management and Electronic Performance Support. Information Management is fundamentally recorded bits of corporate data, for example, arrangements, techniques and item data archives, reports, introductions and recommendations ability, regularly recorded as reports like exercises educated, stories and case accounts and online connection with associates and can likewise incorporate online visits, conversations and symposia during which members can trade data not yet been recorded. Electronic Performance Support (EPS) alludes to a workplace on a PC wherein entertainers/students get help. EPS is utilized in giving data, preparing, training and checking required for help to students.

5. E-Learning and Government

Government can utilize e learning medium in different manners. It can assist the legislature with communicating rules and arrangements viably. It can make mindfulness about different plans and plans among residents. It will give individuals an open stage to convey or learn. E-learning can oversee semi-organized and unstructured data. It can convey the administration plan. A decent e-learning arrangement can help government in different perspectives. The Government can give the Learning Portal around Government Policies, Rules and Regulations in Public Private Partnership (PPP) model. An administration can acquire straightforwardness administration by method of significant instruction among the individuals through e-learning. Making social mindfulness among the residents, giving data about tax assessment and laws should likewise be possible

in a powerful way. At the present time, the Government has done it for the ranchers of our nation by creating on the web consultancy for development of agribusiness creation utilizing most recent innovation.

6. Government Initiatives for Online Educations

During the COVID-19 flare-up in the whole country, the nation is confronting significant emergency in each part. Also, this time one of the most noticeably terrible hit areas is the instruction segment, as the greater part of the tests have been dropped during the last evaluations. The propelled learning passages help the understudies not simply get full access to the assessment material yet also grant them to partake in online classes and team up with the instructors like the physical examination corridor setting.

6.1. SHAGUN Online Junction

SHAGUN is an online hub under the Department of School Education in the GOI and States and Union Territories have moved a couple of e-learning stages. As the name proposes, 'Shagun' is established from two particular words for instance 'Shala', which means Schools and 'Gunvatta' which implies Quality. The fundamental purpose of the SHAGUN movement is to empower the two teachers and understudies with a phase where they can interface, at any rate through electronic vehicle for extra learning.

These are three e-learning stages under the space of SHAGUN:

a) National Repository of Open Educational Resources (NROER)

With around 16000 enlisted customers, and 14527 e-learning resources, NROER is one of a great action pushed by the Ministry of HRD. Understudies visiting NROR stage will get a prologue to e-libraries, advanced books, e-courses, chance to look into events on the web, and subject based guidance. Beside this, understudies can get to the site in both Hindi and English language.

b) DIKSHA

The Ministry of HRD has pushed National Digital Infrastructure for Teachers (DIKSHA) passage to get ready educators from top of the line to twelfth class into the universe of e-learning. The stage is available for the two instructors and understudies requiring learning material. DIKSHA is one of an exceptional application that requires understudies and instructors to SCAN the QR code open in the book to get to the embraced learning material. With more than 80000 computerized books only made to plan and improve the learning of Class twelfth understudies, the purpose of CBSE, NCERT and States or Union Territories is to ensure that the understudies don't leave behind learning if they leave behind physical homeroom learning. The passage is open in different vernaculars for understudies.

c) e-Pathshala

Through this online interface, understudies from class first to twelfth will have the alternative to get to no under 1886 sounds, 2000 chronicles, 696 computerized books (e-Pubs) and 504 Flip Books. The propelled vault has been made open by NCERT to guarantee that the understudies don't leave behind any huge plan to be taught in the class. E-Pathshala is furthermore available in a couple of language like the other mechanized stages.

6.2. SWAYAM

A movement of GOI for the understudies looking for in the wake of preparing from class ninth to twelfth and moreover for the hopefuls searching for student and post-graduate level capability, SWAYAM workplaces study material at one objective. Understudies can get the opportunity to consider material as Video addresses, getting material, self-assessment tests, online discussions and vulnerability gatherings.

The passage is related with national facilitators, for instance, AICTE, NCERT, IGNOU, UGC, NPTEL, NIOS, IIMB, NITTTR, and CEC for passing on invigorated and amazing quality substance to the contenders. Understudies enrolling for the courses at SWAYAM need not pay any charge as the course is freed from cost, in any case to get the confirmation, enlistment is required for which an insignificant cost must be paid.

6.3. SwayamPrabha

SwayamPrabha is a collection of 32 DTH channels which run 24 hours and 7 days format for the students. Standard new substance of at least 4 hours length is floated on the site which runs on various occasions in a day.

National Digital Library of India run by Ministry of Human Resource Development (MHRD) under its National Mission on Education through Information and Communication Technology (NMEICT) to offer substance to class understudies just as understudies looking for after cutting edge instruction and Ph.D. level guidance.

Virtual Labs is another key action of MHRD and GOI under the mentorship of NMEICT. It is a consortium of 12 IITs which intend to disburser online classes and study resource through Virtual labs wherein 700+ virtual examinations are organized and raised for the wannabes to consider and fathom.

There are different exercises and program impelled by GOI and MHRD for the wannabes. The modernized world and e-learning are expanding its pith globally. As such, understudies are taught to make full use as for these online resources especially during the COVID-19 erupt to avoid any impediments in the method of learning.

7. Library Services and Precautions during Covid-19

7.1. Precautions in the Library

The Corona Virus stayed perceivable "as long as 24 hours on cardboard, and as long as 3 days on plastic and tempered steel." If libraries have space accessible, it is proposed to leave returned materials in isolate for in any event three days, notwithstanding judicious and broadly plugged general great health practice suggestions to wash hands regularly and wipe down surfaces with clean wipes, and having staff liable for accepting returned materials wear careful gloves.

It might be possible to get COVID-19 by reaching a surface or article that has the Virus on it and a while later reaching your own mouth, nose, or conceivably your eyes.

Transmission of SARS-CoV-2 to people from surfaces debased with the Virus has not been recorded. Transmission of corona virus happens considerably more regularly through respiratory droplets than through contact with defiled surfaces.

At an essential level, libraries can't bar supporters self-assertively, and bookkeepers are not prepared to serve a clinical analytic job. In the event that there is far reaching worry about sick benefactors, the library can think about shutting down. Before that progression is taken, instruct supporters about approaches to abstain from spreading germs; make hand sanitizer, sterilizing wipes, and soap and heated water accessible for them to utilize; and consider posting signs urging individuals encountering manifestations to remain at home.

7.2. Safe Handling of Materials

Isolate of library materials is the best known strategy for cleansing. The COVID-19 Virus can continue for shifting time spans on various material sorts. Recent research published in the 'Journal of Hospital Infection' specifies the following spans about the Covid-19 Virus:

<i>Surface</i>	<i>Length of Time (In Days)</i>
Wood	4
Paper/Glass	4-5
Ceramics/Metals	5
Plastics	6-9

While the 'Journal of Hospital Infection' article additionally tests the impacts of different disinfectants on the novel corona virus, these synthetic substances are undependable to use on library and noteworthy materials. While costly "book cleansing" or "book sterilization" hardware is currently being advertised to libraries, documents, and galleries, there is no proof or studies to propose that these innovations are powerful or won't cause pointless harm to accumulations. Indeed, even techniques for UV cleansing have not been normalized.

Proposed isolate periods for paper-based materials extend from 24 - 120 hours. Isolate periods for non-paper-based library materials, for example, CDs, DVDs, plastic-secured books, and so forth, additionally extend from 72 - 216 hours.

It will be dependent upon the individual library to choose the span of isolate for every material sort. It's suggested that libraries set up a territory of the structure as a materials detachment zone for those things that may have as of late been presented to the COVID-19 infection:

- ☆ This zone could be a freed run from racking, a progression of various book trucks, or even heaps of books on a table.
- ☆ Color-coding or gathering by material sort might be helpful here.
- ☆ Materials ought to be named with dates of when those things entered isolate and when they are sheltered to re-shelve.
- ☆ Courier totes and receptacles ought to likewise be isolated.
- ☆ Consider hoarding or buying extra book trucks

7.3. General Safety Precautions, Adapted from the Offices and the Libraries

1. Screening and assessing employees who show indications of sickness, for example, a fever over 100.4 degrees Fahrenheit, cough, or brevity of breath.
2. Requiring employees who display indications of sickness to not answer to work or to look for clinical consideration.
3. Improving sanitation of the working environment as fitting. Giving disinfectant and sanitation items to employees to clean their workspace, gear, and devices
4. Putting sees that energize hand cleanliness at the passage to the working environment and in other working environment zones where they are probably going to be seen. Requiring hand washing or sanitation by employees at fitting spots inside the business area and preparing staff on the correct execution of health techniques.
5. Giving individual defensive hardware as accessible and proper to the capacity and area of the specialist inside the business area.
6. Allowing employees to take breaks and suppers outside, in their office or individual workspace, or in such different zones where appropriate social removing is feasible.
7. Executing teleworking for every single imaginable specialist.
8. Actualizing stunned movements for every conceivable employee.
9. Holding all gatherings and meetings for all intents and purposes, at every possible opportunity.

10. Conveying immaterial administrations remotely at every possible opportunity.
11. Demoralizing employees from utilizing other specialists' telephones, work areas, workplaces, or other work apparatuses and hardware.
12. Denying handshaking and other superfluous individual to individual contact in the work environment.
13. Energize social separating of supporters while present on a library's rented or claimed property.
15. Expanding physical space between employees' worksites to in any event six (6) feet.

7.4. Open Services

1. Web Access: Provide, any place possible, free and open WI-FI. This may appear as Wireless Access Points, mobile hotspots, or different usage that gives open web get to, particularly for young kids. Social removing of benefactors using WI-FI ought to be empowered by means of signage or sprinkle page.
2. Computerized Materials: Purchase, advance and make accessible whatever number advanced materials as could be expected under the circumstances, including digital books, e-book recordings, databases, and computerized magazines.
3. Cardholders: Expanding the quantity of cardholders, either through transitory computerized cards, understudy advanced cards, or different methods, is significantly empowered. Moreover, an impermanent fines and expenses ban will be set up. Due dates for materials will likewise be stretched out until library structures are revived.
4. Programming: Transition programming to a virtual domain (Facebook Live, Instagram TV, Zoom, and so on.) for fundamental association and learning openings with supporters.
5. Physical Materials: Physical materials will be isolated an adequate measure of time.
6. Showcasing and Outreach: Promote their administrations through publicizing channels and cooperating with other network associations during this time.
7. Physical Locations: Library structures ought to be shut to general society during this stage.

7.5. Staffing

1. During significant network transmission levels, just one staff part will be permitted in a structure at once, so as to give negligible essential tasks.

2. During moderate network transmissions levels, a negligible measure of staff ought to be available in a library working at any one time.
3. When taking care of returned library materials, staff should wear gloves and abstain from contacting eyes, nose, and mouth. Materials that have been isolated for a sufficient measure of time might be taken care of without gloves. Avoid cross-contamination of returned materials and isolated materials.
4. On the off chance that numerous library staff are working, temperature checks before starting work, support of a 6 ft. separation, and the wearing of face Masks are suggested. Any health Masks that a library gives ought to be joined via preparing on the right method to wear and use them. This preparation should likewise be all around reported.
5. The best method to kill the COVID-19 Virus is to just isolate materials. Returned library materials ought to be isolated for a satisfactory measure of time.
6. Teleworking or Working-From-Home (WFH) is enthusiastically suggested for library staff. Remote working hours ought to be followed to be in consistence.

8. Publisher's Free Resources

Numerous publishers are briefly giving free access to eBooks and other e-Contents during the COVID-19 emergency to libraries:

- ☆ EBSCO eBook Academic Collection: Thousands of digital books on scholastic subjects
- ☆ e-book Central: PROQUEST was giving boundless access to every possessed title in eBook Central.
- ☆ Vital Source: Free access to e-Textbooks to understudies influenced by COVID-19 grounds terminations from more than 100 distributors, including Oxford University Press, Cambridge, University of Chicago, MacMillan, among others.
- ☆ RedShelf: In a joint effort with the scholastic distributing network, RedShelf was furnishing understudies with free, advantageous access to 'learning materials. Understudies need to make a free sign in to get to.
- ☆ Cell Press: Free access to scientific resources
- ☆ Cambridge University Press: Cambridge University Press was making advanced education course books in HTML position allowed to get to web based during the corona virus flare-up. More than 700 course books, distributed and as of now accessible. Free access was accessible until June 2020.

- ☆ Cambridge University Press - Texts in the History of Political Thought: Blue Books" in History of Political Thought are, generally open access until June.
- ☆ Project MUSE: Among the distributors right now picking to make content free on Project MUSE are Johns Hopkins University Press (all books and diaries).
- ☆ Oxford University Press: Oxford University Press gives various free assets that will enable clients to encounter as meager interruption as conceivable as to web based instructing and learning.
- ☆ University of Michigan Press eBook Collection: Access limitations will be evacuated for every 1,150+ title and these were accessible upto June 2020 yet they were be allowed to-peruse, not to download, during the time.
- ☆ University of Florida: Discover free and straightforwardly accessible assets
- ☆ National Emergency Library: An assortment of books that bolsters crisis remote educating, research exercises, free grant, and scholarly incitement while colleges, schools, preparing focuses, and libraries are shut.
- ☆ Bloomsbury: Books and computerized assets in the humanities, sociologies, performing and visual expressions
- ☆ Elsevier: 256 Textbooks across numerous subjects
- ☆ HeinOnline: Resources identified with governmental issues, history, criminal equity, strict examinations, and business.
- ☆ Annual Reviews: Free access to science diaries
- ☆ JoVE: Free access to science instruction recordings
- ☆ Brill Open Access eBooks and Brill Open Access Journals

9. Open Access – Free e-Resources

- ☆ Archive.org: Non-benefit library of a huge number of free books, motion pictures, programming, music, sites, and that's just the beginning.
- ☆ Bielefeld Academic Search Engine (BASE): Indexes scholastic web assets, including diaries, institutional storehouses, advanced assortments and so forth.
- ☆ CORE : Open access research papers
- ☆ DOAJ (Directory of Open Access Journals): Provides access to excellent, open access, peer-looked into diaries.
- ☆ EThOS : Doctoral propositions from the British Library
- ☆ HathiTrust: Collaboration of scholarly and exploration libraries saving 17+ million digitized things.

- ☆ Open Access Digital Theological Library: Curates great substance in strict examinations and related controls from distributor sites, institutional stores, insightful social orders, files, and stable open space assortments.
- ☆ Paperity: Aggregates open access diaries and papers.
- ☆ Post-Reformation Digital Library: Database of advanced books identifying with the improvement of religious philosophy and reasoning during the Reformation and Post-Reformation/Early Modern Era (late fifteenth eighteenth c.).
- ☆ PscyCritiques: Contains 43,056 full-text surveys of books in brain research and the sociologies, just as expert recordings and mainstream films from a mental point of view. Finished **distribution in 2017**.

10. Free COVID-19 Resources

- ☆ American Society for Microbiology (ASM) : uninhibitedly accessible material about COVID-19
- ☆ Clarivate Analytics: Launched a worldwide asset site to support clinical specialists and social insurance experts get to the world's driving exploration and late-breaking news around the corona virus.
- ☆ Crisis Reader: Biosecurity and the Global COVID-19 Outbreak - Harvard University: Crisis Reader: Biosecurity and the Global COVID-19 Outbreak, unreservedly accessible until at any rate the finish of March.
- ☆ Duke University Press: DUP is sans giving access to the books and diary articles to help fabricate information and comprehension of how we explore the spread of transferable illnesses.
- ☆ DynaMed: COVID-19 Diagnosis and Management Resource Center
- ☆ Elsevier: Elsevier gives full access to its substance on its COVID-19 Information Center for PubMed Central and other general wellbeing databases to quicken battle against corona virus
- ☆ Emerald Publishing: Free substance identified with Corona virus and the administration of pestilences
- ☆ IBIS: You'll locate a concentrated center for all corona virus assets on the Industry Insider - return routinely for refreshed data.
- ☆ JAMA Network: The JAMA Network COVID-19 assortment incorporates Q and A's with NIAID's Anthony Fauci, an intuitive guide of the flare-up graciousness of The Johns Hopkins Center for Systems Science and Engineering, and past distributions on immunization advancement, Virus control, and general wellbeing readiness.
- ☆ Lexis Nexis: @Law360's inclusion of Corona Virus in the legitimate world
- ☆ Libraries Respond: Combating Xenophobia and Fake News considering COVID-19: This incorporates chosen assets for learning the realities about

- Corona virus and instances of how libraries are hindering not just the spread of deception.
- ☆ NEJM (New England Journal of Medicine): An assortment of articles and different assets on the Corona virus (Covid-19) episode, including clinical reports, the executive's rules, and editorial. All Journal content identified with the Covid-19 pandemic is openly accessible.
- ☆ Oxford University Press: Oxford University Press has made substance from online assets and driving diaries openly available to help specialists, clinical experts, strategy producers, and other people who are attempting to address this potential wellbeing emergency.
- ☆ Sage Publishing: Provides access to a rundown research articles identified with the corona virus that are uninhibitedly accessible on SAGE Journals. It incorporates research both in science, innovation, and medication and in the social and conduct sciences. SAGE will keep on making new examination accessible identified with the infection as it is distributed.
- ☆ Springer Nature: The most recent corona virus examination and news things are uninhibitedly accessible from Springer Nature. This material is definitive and could help for an expansive scope. This is one of two points of arrival for the substance.
- ☆ Springer Nature: The most recent corona virus examination and news things are openly accessible from Springer Nature. This material is legitimate and could help on a wide scale. This is one of two points of arrival for the substance.
- ☆ Up-to-Date - Wolters Kluwer: COVID-19 data
- ☆ Wiley Online Library : Wiley has made the important exploration articles, book parts and passages in significant references unreservedly accessible on the side of the worldwide endeavors in conclusion, treatment, anticipation and further examination in this malady and comparative viral respiratory contaminations. Notwithstanding the articles, Wiley is additionally giving an assortment of diary articles and book parts on corona virus research unreservedly accessible to the worldwide academic network.

11. Conclusion

Within the current pandemic situation librarian's point to do three things: 1st is to bolster health mindfulness to open; 2nd is to bolster inquire about groups, analysts and staff; and 3rd is to give schedule centre administrations for normal library clients. These exercises will proceed for as long as fundamental. A require for data exists in each emergency custodians and data proficient must be prepared to meet this require whether it is for COVID-19 or something else. Although social separating is nice way to anticipate the spread of COVID-19 data get to clients remains a social duty of our curators and data work force. While no one

knows how long the lockdown will continue, it is heartening, and not surprising, that many libraries are at the forefront of supporting user's communities. Many people are turning to culture and the written word to support them through this crisis which is something that libraries can provide, alongside using their key skills to support community need. And when it emerges on the other side, libraries will re-open again to offer a safe, welcoming and irreplaceable space for everyone in the community. Librarians and Library professionals are also playing a vital role in supporting user's communities to deliver front-facing services. Many have been redeployed into areas including staffing services, where their customer care skills have proved invaluable. Working at the heart of the community, they have also been running phone lines, helping the most vulnerable with limited digital resources, coordinating volunteers and organizing supply chains and providing the awareness services. The libraries also have the right to establish reasonable rules governing library use. Maintaining a safe environment for staff and patrons would be considered reasonable and necessary. A library might be able to justify a mask requirement as reasonable and necessary to maintain the safety of staff and patrons. Maintaining a safe environment for library staff and patrons would be considered reasonable and necessary.

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Chapter 11

A Study on Bibliometric Research at DESIDOC Journal from 2009 to 2018

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ABSTRACT

DESIDOC Journal is a peer-reviewed, open access, bi-monthly journal that publishes articles/papers related to various field of library science and ICT based library applications. It is also included in LISA, EBSCO, Proquest, OpenJ-Gate, The Informed Librarian Online, Indian Science Abstracts, Indian Citation Index, WorldCat, Google Scholar, etc. based database. The main aims of this study to focus on growth pattern as well as overall trend in literature output on "bibliometric research" during 2009-2018. Data were collected from the secondary sources from DESIDOC Journal. The results indicate the changing and variability in the authorship pattern, country of origin, preferred journal, etc.

Keywords: *Bibliometrics, Research trends, Authorship pattern, DESIDOC.*

1. Introduction

DESIDOC Journal of Library and Information Technology is a peer-reviewed, bi-monthly and open access journal which started from 1981, that publishes original research and review papers. It covers major subject fields such as: Knowledge management, Information systems, Collection building and management, Librarianship/library management, Information behaviour and retrieval, Records management and preservation, Library and information services, etc. Bibliometrics