



# Transformation Trends: A Comprehensive Analysis of Modernization in Government Medical College Libraries with Special Reference to Collection Development

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## Abstract

*This paper provides a comprehensive review of the renovation and upgrade programmes that the Government Medical College Libraries have implemented, with a particular emphasis on the area of collection development. Medical libraries must adjust to novel models regarding the acquisition, management, and dissemination of educational materials as technology innovations change the data accessible landscape. The analysis utilises a comprehensive strategy, integrating both quantitative and qualitative techniques to investigate the diverse aspects of modernity in these crucial information sources. A primary goal of the study is to investigate the tactics Government Medical College Libraries use to improve their holdings in order to better serve the changing demands of investigators, learners, and healthcare providers. A particular focus is placed on incorporating electronic materials, promoting open-access programmes, and working in conjunction with producers to enhance the scope and pertinence of library collections. The research article evaluates the achievements and difficulties libraries have encountered in developing their collections and clarifies the effects of these changes on the general calibre of scholarly and research endeavours inside the healthcare training environment. The study intends to offer subtle opinions on the constantly shifting relationship between technical improvements and the development of collections in the surroundings of government medical college libraries utilising polls, investigations, as well as assessments.*

**Keywords:** Digital Library Collection, Government Medical College, Modern Digital Libraries, Collection Building Techniques

## 1. Introduction

The function of institutional libraries is changing dramatically in the quickly changing field of healthcare study and instruction, especially those connected with government-funded medical institutions. The aforementioned organisations have to creativity, change and modernise to be at the centre of meeting the expertise demands of investigators, scholars, and medical personnel as advances in technology progress and consumer needs change. This paper conducts a thorough analysis of current developments in Federal Healthcare College Library upgrades, emphasising the vital role that collection growth plays in this process. A healthcare library's holdings serve as the cornerstone for educational endeavours, acting as a knowledge base that significantly influences the direction of research and academia. Libraries' conventional function is evolving due to the introduction of digital technology, open-access efforts, and shifting paradigms in scholarly communication. This research aims to clarify the nuances of this shift by exploring the tactics Government Medical College Libraries have used to update their holdings and better meet the changing demands of their patrons. The realisation that library managers, teachers, and legislators must all comprehend the complex connection between efforts to modernise and the growth of collections is what spurred the writing of the paper. In order to offer a full evaluation, the study uses an extensive plan that combines quantitative as well as qualitative methods. This study intends to add significant views to the larger conversation on the use of libraries digitalization in the overall setting of training in medicine by concentrating on the particular difficulties, achievements, and effects on patron situations under the field of collection creation. Our mission is to put the spotlight on the complex interactions that exist between the planned development of the holdings at Government Medical College Libraries and advances in technology as we set out on this



research voyage. By doing this, we hope to lay the groundwork for wise choices and offer useful suggestions to usher in a period of increased mobility, usefulness, and efficiency for these important knowledge sources.

## 2. Review of Literature

Transformation trends in government medical college libraries, with a focus on collection development, have been analysed in several papers. The National Library of Medicine (NLM) constantly adapts to evolving technologies and scientific advancements to better fulfil its mission (Dianne, 2022). Although less is understood concerning the actual assessment practices of historians along with the way collection procedures direct them, the research examined the holdings growth tactics of seven tier-one institutes in Texas. (J.H. Faulkner, 2022). The development of library collections should consider the current needs and future requirements of users, and policies and principles play a crucial role in this process (Sarah, J., Jackson, 2022). The modernization of library business and the development of innovative activity in libraries have been studied, with a focus on the computerization and socio-cultural transformations of the industry (Vandana, 2021). These papers provide insights into the efforts and strategies employed by government medical college libraries to transform and modernize their operations, infrastructure, workforce, and customer service, with a specific emphasis on collection development. Collection development in medical college libraries involves various activities such as selection, acquisition, weeding, and assessment of library materials (Peter, 2023). Librarians play a crucial role in ensuring the quality and effectiveness of the library collection (Lori, 2022). Nevertheless, initial study indicates some healthcare librarians might not take student engagement into account while deciding which materials to gather. (Sara, 2019). It is important for librarians to exercise care in developing a balanced collection that enhances the efficient use of library resources by the clients (Sanjay, 2016). Building librarian creativity is also essential in the collection development process, as it allows for new innovations and improvements in the library's collection. Collection development policies guide the appraisal practices of archivists in university special collections and archives, but there is a lack of standardization in these policies

## 3. Objective of the Study

Government College libraries have been transformed from traditional to modern by applying modern digital technology with special reference to collection development which is prime objective of the current research along with some additional objectives are as follow:

1. To find out collection development building policy of Medical College Libraries
2. To study the status of collection development building tools and techniques used by medical college Libraries
3. To study the selection of documents, acquisition process and weeding out criteria of the documents in medical college libraries
4. To explore the strength and weakness of management of collection development in medical college libraries

## 4. Research Methodology

The data required for the present inquiry was gathered through the use of surveys. A questionnaire with a solid structure including nominal and ordinal data was created for this aim. The sampling technique or procedure used in the present inquiry or study was the simple random sampling strategy, emphasising the point that each value or portion received a same possibility of getting selected within the purpose of sampling. Users received the online questionnaire by email and face-to-face distribution. The data was processed using Microsoft Excel and SPSS 21.0.



## 5. Sample Size

For the current investigation 70 medical college libraries were selected randomly in the area of Delhi NCR so that a concluded statement about the study can be accomplished.

## 6. Coverage

This study's main focus is on the patterns in traditional to modern transformation, with particular attention to collection development. Only government medical college libraries in the Delhi NCR region are covered by the study; private medical college libraries were left out.

## 7. Finding/Result

### *Budget for Digital Collection*

Budget is crucial component of library for running routine and special work without it there is no phenomena to provide better services to library users of any kind of library. The notion of collection from print to digital has emerged in the last decade. Each and every library, in the modern era of technology want to provide every information to the end user at their desktop. As stated in the table 1 that 90 percent medical college library do not have provision for special budget for digital collection. Only 10 percent library in the survey stated that they have budget for digital collection.

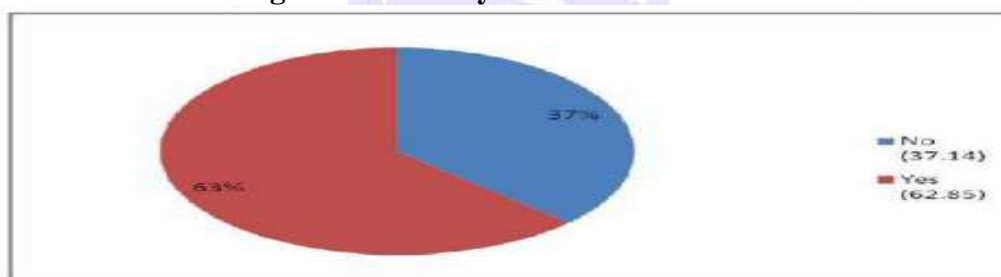
**Table. 1 Budget for Digital Collection**

Serial No.	Response	Frequency	Percentage
1	Yes	7	10
2	No	63	90

### **Use of Library Management Software**

The data show that whereas 37.14 percent of libraries lack automated library activities, 62.85% of libraries use software to automate library operations. The pie chart below provides a clearer picture of the current level of automation package use. The medical college libraries are using software for running daily operation including acquisition so that report of collection development can be retrieve easily for multiple purposes.

**Diagram 1: Library Automation Software**



### **Availability of Library Collection**

To satisfy patrons' requirements for information, the library offers a wide range of collections. In the current ICT environment, a number of novel collection formats have emerged, including online databases, consortia, CD/DVD, and so on. Because of their inherent value, these formats have grown in popularity. You may view the collections and user feedback on how to meet information demands in the table below.

Sr. No.	Type of collection	Yes	%	No	%
1	Manuscripts	00	00	70	100
2	Text books	70	100	00	00
3	Bound periodicals	63	90	7	10



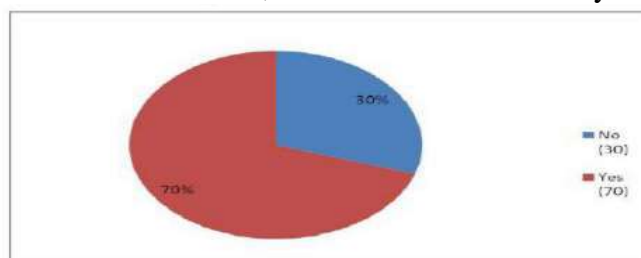
4	Current periodicals Foreign	44	62.85	26	37.14
	Indian	70	100	00	00
5	Indexing & abstracting periodicals	13	18.57	57	81.42
6.	News papers	70	100	00	00
7.	Dissertation/thesis	21	30	49	70
8.	Ref. Books	69	98.57	1	1.42
9.	Audio visual material	28	40	42	60
10.	Cd-rom titles	19	27.14	51	72.85
11.	E-database	33	47.14	37	52.85
12.	E-journals	33	47.14	37	52.85
13.	E-reports	13	18.57	57	81.42
14.	E-content pages	14	20	56	80.00
15.	E-clippings	18	57.71	52	74.28
16.	E-books	8	11 A2	62	88.57
17.	Others	23	32.85	47	67.14

The availability of different types of library materials to suit users' demands is shown in the above table. The data in the table shows that

- Manuscripts are found in the collections of only few libraries.
- Books are available at any library.
- Bound magazines are found in 90% of libraries, whereas just 10% do not have any.
- Only 2.45% of libraries have current foreign journals, whereas 37.14 percent do not.
- To better serve their clients, all libraries obtain such a collection when it comes to Indian publications.
- 81 percent of libraries buy indexing and abstracting publications for their patrons.

### E-Resource Section

Digital resource users require specific facilities and equipment. And in order to make these materials available to library patrons, libraries must create and preserve this special setting. Consequently, electronic materials are more easily accessible through the dedicated e-resources area. Based on the data presented in the below diagram, 70% of libraries have separate sections dedicated to e-resources, while 30% don't have any at all.



### 8. Discussion

The article's focus on the growth of collections is one important point. Libraries used to be actual literature and journal storage spaces. But with the advent of the internet, libraries now play a bigger part in providing multilingual materials, interactive on the internet, and electronic resources. The essay notes this change and looks at how government medical college libraries are modifying their collection development plans to meet the various needs of their patrons in



terms of learning and research. One significant topic covered in the paper is the incorporation of technology into the process of developing collections. In addition to improving accessibility, the digitalization of resources makes it possible to efficiently organise and handle enormous amounts of information. It is likely that the article looks at how libraries are using innovation in order to manage electronic databases, give users remote access to resources, and make it easier for them to get information.

## 9. Conclusion

In summary, a complete analysis of the changing environment of medical college libraries is presented in the paper "Transformation Trends: A Comprehensive Analysis of Modernization in Government Medical College Libraries with Special Reference to Collection Development". The insights offered highlight the crucial role collection development plays in this revolutionary process and illuminate the complex nature of modernization inside these organisations. The study highlights the gradual transition from print-centric, conventional holdings to an evolving combination of online databases, multimedia content, and digital assets. The article highlights the importance of adopting new technologies and shows how digitalization may improve accessibility while also enabling more effective administration and organisation of an ever-growing amount of data. Moreover, a key component of modernization is the focus on networking and cooperation across libraries. Understanding how linked the world is makes it possible to pool resources and create a collaborative atmosphere that greatly improves the standard of education and research assistance.

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