

# CREATION AND UTILIZATION OF ONLINE RESOURCES AND SERVICES DURING COVID-19 PANDEMIC: A STUDY OF KENDRIYA VIDYALAYA, BILASPUR

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This paper highlighted the creation and utilization of ICT resources and services from home during lockdown and explained the various modes of access study materials by the students' community. The class and subject wise access of study materials of own teachers through Vidyalaya web blogs, have been explained. The profile of KV Bilaspur has been mentioned. The information sources and services of library of Vidyalaya have also been included. The Purpose of providing WEB BASED BLOGS facility and students response has been tabulated. The collected data have been analyzed and presented in the form of table and 2-D Columns. User's feedback on the execution of these services has been appended. Results and findings related to utilization of online resources and services during COVID19 Pandemic have been tabulated.

**Keywords:** Web Blogs- Online Sources - Online Services- Open Educational Resources, Covid-19 Pandemic, Kendriya Vidyalaya, Bilaspur

## INTRODUCTION

The technological advancement and changing trends have put forward new challenges before library and information professionals. The world in which we live today is digital /web world. The web is often described as the ultimate medium for the distribution and interchange of information. Library and Information Science professionals face complex challenges by recent trends in ICT and Covid pandemic environment. The role of LIS professionals has become more dynamic and challenging. The technology to provide digital access to library reserve collections has been available for some time. Access to information and knowledge will therefore assume a different dimension altogether (Ramesh Babu, 2012). The role of library and information professionals has changed worldwide, no longer the keeper of books but the provider of information and learning opportunities. This means that *"a library is not a shrine for the worship of the books, but*

*ought to be a maternity room of ideas, a workshop for creativity”*. Library should always be the place to gain, discover and improve one’s knowledge. This is true in the Covid pandemic situation in libraries.

## COVID PANDEMIC AND LIBRARIES

Throughout the globe, the COVID-19 pandemic has had an immense impact on education at all levels. As per UNESCO estimates, over 154 crore students are severely impacted by closure of educational institutions across the globe amid the COVID-19 outbreak. During Janata Curfew and the Lockdown, due to the infection caused by Covid 19 Pandemic across globe, it was decided that educational institutions will remain closed. It was essential that students and teachers to be at home and study-teaching carried from home. To ensure that learning never stops, teachers are preparing lessons using distance learning tools, and parents are learning new teaching techniques at home.

The Internet and the World Wide Web (WWW) have enabled seamless access to these sources from any corner of the globe. While many libraries could afford to ignore Online and CD-ROM revolutions, it is doubtful if any library today can remain untouched by the ongoing network information revolution brought about by the Internet and WWW. In a networked environment, the challenges and opportunities for the information professional are manifold. Libraries have the major responsibility of managing information resources enabling their users quick and convenient access to these resources and to provide variety of on-demand and in-anticipation information services.

## KENDRIYA VIDYALAYA BILASPUR: A BRIEF NOTE

Kendriya Vidyalaya Bilaspur was established on 1st April 1986 as a Civil Sector School in the premises of South Eastern Railway Bilaspur Division of Chhattisgarh. The school functions with three sections from class I to XII (Science, commerce and Humanities stream) with a strength of 1946 students and 61 staff. Vidyalaya had produced 100% pass percentage in Class X & XII in the consequent year. It aims at academic excellence and personality development enriching National Integration and a sense of “Indianness” among the children. It is enriched with well-equipped electronic library stacked with more than 10000 books, subscribing more than 35 Journals and magazines, Library automation with bar-coding, science laboratories, huge playground, separate building of Primary, Admin Block, drawing room, math’s lab.

## NEED FOR THE STUDY

The Covid-19 scare is giving sleepless nights to students who were to appear in entrance and other exams. The educators and students around the world are feeling the extraordinary ripple effect of the corona virus as educational institutions had shut down due to public health emergency. The closure of educational institutions is lamented by the academic community since the centuries-old, lecture-based approaches to teaching, entrenched institutional biases, and outmoded classrooms are affected (Ramesh Babu, 2020). Hence there is a need to develop some educational resources for online access to the students via web-based blogs.

## DESIGN AND DEVELOPMENT OF WEB BASED BLOGS

The two web blogs have been designed and developed, one meant for Primary Students and another meant for Secondary and Senior Secondary. The URLs are [www.classwiseaccess.blogspot.com](http://www.classwiseaccess.blogspot.com) and [www.kvbsp2020.wordpress.com](http://www.kvbsp2020.wordpress.com)

It is Zero (Cost effective). The component of blogs are as follows:

1. About Blog
2. Class Wise Subject Materials
3. Contact Page
4. Mobile friendly responsive design
5. Social Media Icon
6. Blog Categories
7. Related posts
8. Quiz and OER Sections

These two web blogs enabled us to ensure smooth functioning of online classes and students took the advantages of online teaching with their own teachers despite the lockdown due to COVID-19 Pandemic. This tool enabled students to access study materials at home free of cost through their smart phones and laptop or PC. This enabled students to continue their study online as per syllabus Various other activities such as registration in the nationwide “Ganga Quest”, quiz, drawing competitions, sharing story books, access to OER, and many more also taken up by utilizing this ICT device.

## SCOPE AND OBJECTIVES OF THE STUDY

This study aims at the design and development of web-based blogs for the creation of educational resources for the school students. It also aims at

the survey of user’s feedback and their experiences and opinions in the use of these developed resources.

The following are the objectives of the study:

1. To design and develop the library blogs for the benefit of users, both students and teachers of the Kendriya Vidyalaya, Bilaspur;
2. To survey the extent of utilisation of those library blogs covering online resources and services, designed during Covid pandemic period;
3. To study the satisfaction level by the users of these resources developed; and
4. To promote the reading habits of the students

## METHODOLOGY

The study has made use of Questionnaire survey method and telephonic interview to collect the data. This study involves 01 LMC Head, 55 Teachers, and 782 students from KV Bilaspur. The data collected were consolidated using MS-Excel, a spreadsheet package. Data received from the respondents were scrutinized before analysis and interpretation. After that observed data were organized and tabulated by percentage analysis by using MS OFFICE 2007, MS EXCEL 2007.

### Variables

The below mentioned variables identified for the present research work:

- |                |   |                |
|----------------|---|----------------|
| (i) ICT Tool   | - | 02 (Web blogs) |
| (ii) Teachers  | - | 55             |
| (iii) Students | - | 782            |
| (iv) Librarian |   |                |

## SURVEY POPULATION OF THE STUDY

This paper is based upon an online survey from one LMC Head, 55 Teachers and 782 Students of the Vidyalaya. The response rate was 100%. The Table 1 shows cent percent response rate.

**Table 1: Quantum of Questionnaires distributed and responses received**

Respondents	Questionnaires Distributed	Questionnaires received
Librarians	01	01
Teachers	55	55
Students	782	782

## Online Services provided in Kendriya Vidyalaya Bilaspur during lock down

The Table 2 shows the Online Services offered by Kendriya Vidyalaya Bilaspur during lock down. Students were provided the services on the basis of their requisitions class and subject wise.

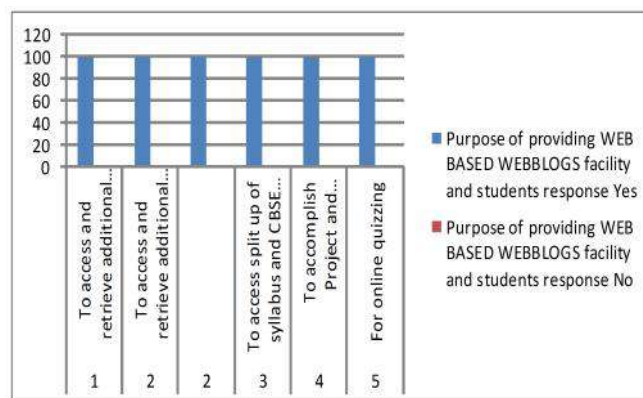
**Table 2: Online Services provided in Kendriya Vidyalaya Bilaspur during lock down**

Sl. No.	ICT Based online access to study materials class and subject wise
01	Class and Subject wise access from Classes I to V
02	Internet based retrieval of sources and services
03	Creation, conduction and sharing of online quiz on different themes

## DATA ANALYSIS

The fig.1 shows the various purposes of providing Web blogs services to students. These web blogs enable students and faculty to retrieve subject materials along with additional materials

from the various links of Government initiatives such as “My Book My Friend”, Diksha Portal, e-Pathshala, e-quizzes.



**Fig 1. Purpose of providing WEB BASED BLOGS facility and students response**

## Online activities for creating new knowledge

As seen from Table 3, that student's response was 100% in terms of creation of knowledge through the utilization of various Library 2.0 tools. The results of the Vidyalaya have also been 100%. From this data it is interpreted that the educational tools developed in the KV library blogs are facilitating the students to comprehend the courses and that resulted in cent percent results.

**Table 3: Online activities for creating new knowledge**

Online activities for creating New Knowledge	(Yes in %)	(No in %)
Students Response	782 (100%)	00

## Creation, conduction and sharing of online quiz on different themes and Users' responses during lockdown

The effectiveness measures in terms of creation of online e-quiz were 'very effective'

since 98.08% of students, 85.45% of teachers and the librarian (100%) have responded to this effect. This reflects that the library blogs

containing study materials were more useful for the users of KV, Bilaspur and found more useful during Covid pandemic periods.

**Table 4: Creation, conduction and sharing of online quiz on different themes and Users' responses during lockdown**

Respondents	Ver Effective	Effective	Less effective	Not effective
Students	767 (98.08%)	15 (1.91%)	00	00
Teachers	47 (85.45%)	08 (14.54%)	00	00
Librarian	01 (100%)	00	00	00

### Mode of conducting and accessing online classes and user's preferences during lockdown

The Table 5 shows the responses of Librarian, Teachers, Students with regard to mode of

conducting and accessing online classes along with user preferences during the lock down. Usage of web blogs were 100% whereas 92.72% of Teachers agreed upon Google class room.

**Table 5: Mode of conducting and accessing online classes and user's preferences during lockdown**

Mode	Librarian	Teachers	Students
Vidyalaya Web blogs	01 (100%)	55 (100%)	782 (100%)
Google class room	01 (100%)	51(92.72%)	756 (96.67%)
WhatsApp Group of Students and Teachers	01 (100%)	55 (100%)	767 (98.08%)

### Ranking of Library Web Blogs and its uses during lockdown

The fig. 2 shows the responses of LMC Head and Teachers on enhancement of online supply of quality resources. The teacher's response was

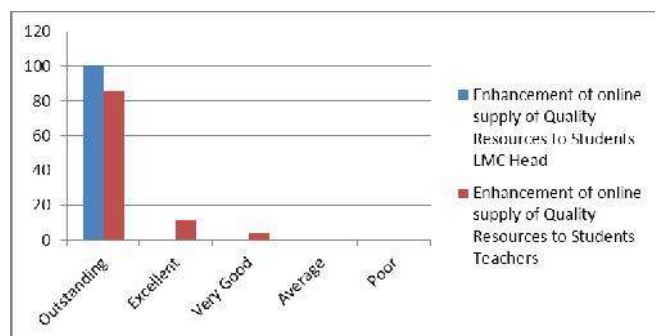
85.45% as Outstanding, where as 10.90% replied as Excellent, and only 3.63 responses were recorded as Very Good.

### Overall response on accessing study materials and satisfactions during lockdown

The table 6 clearly indicates the overall satisfaction on accessing these web blogs which were 100%.

**Table 6 Overall response on accessing study materials and satisfactions during lockdown**

Respondents	Online services	
	Teachers	Students
Users	100%	100%

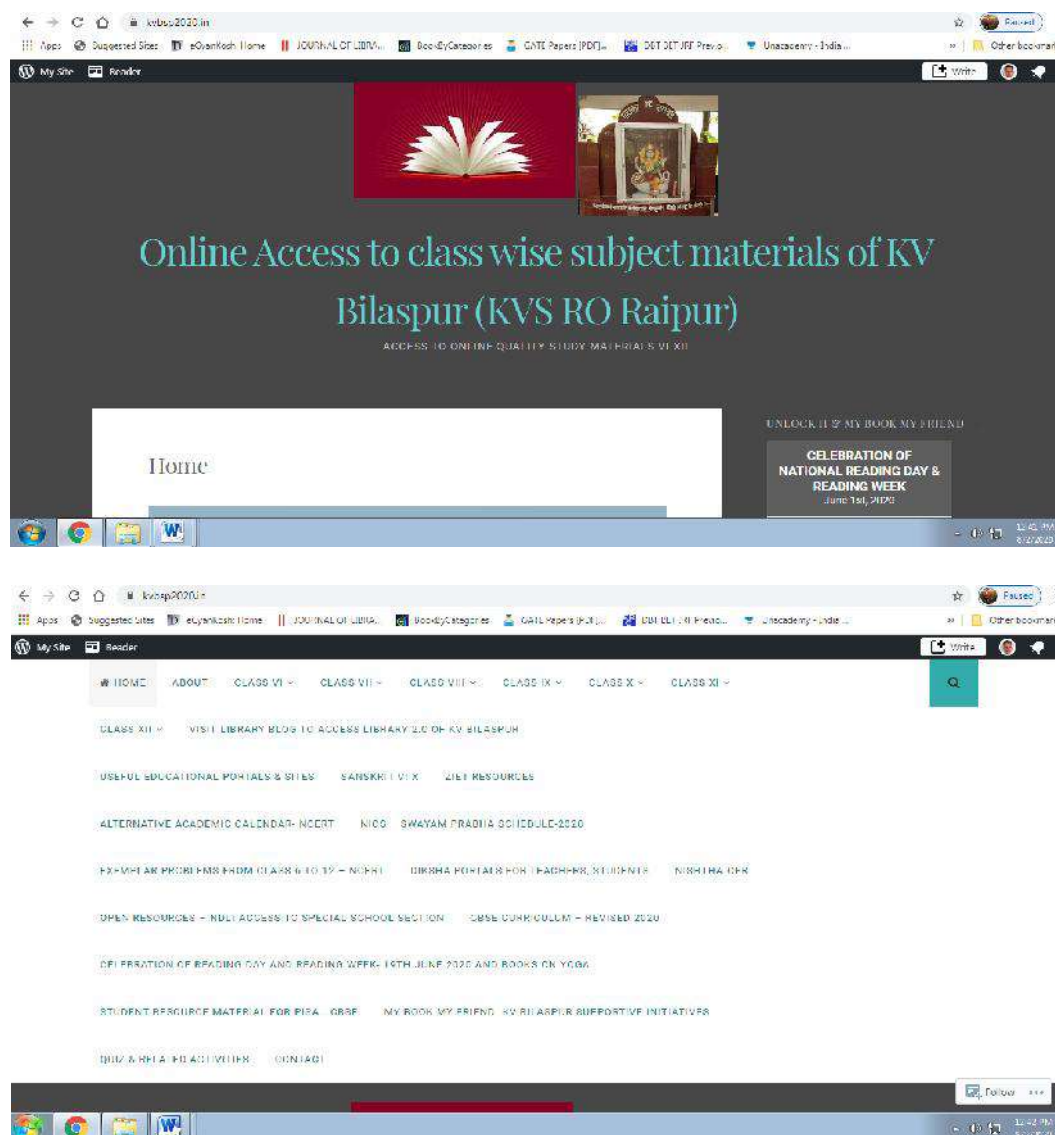


**Fig 2: Enhancement of supply of Quality Resources to Students online**

## FINDINGS AND DISCUSSION

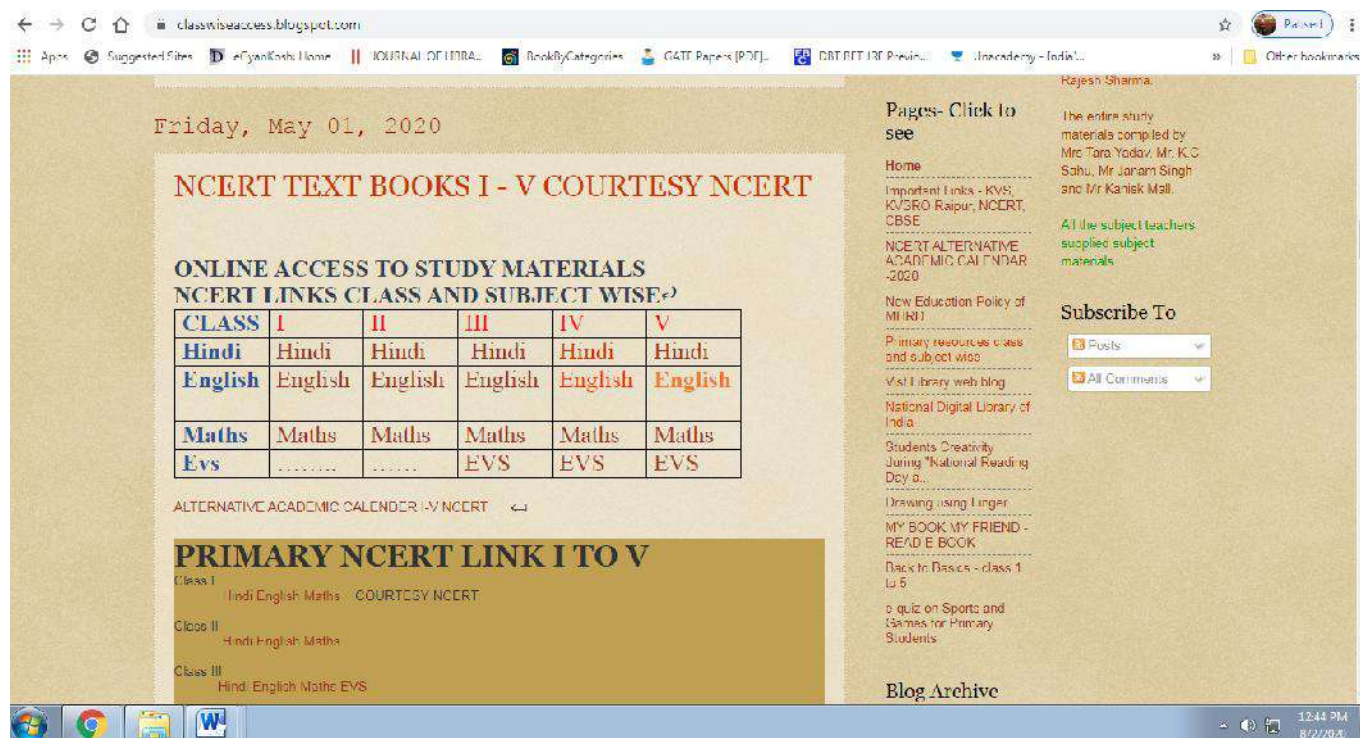
Findings reveal that this innovative creation of two educational web blogs enabled students to access study materials from home. It is very cost effective. The students accessing subject wise study materials of their class with ease and with one click using both web blogs [www.kvbsp2020.in](http://www.kvbsp2020.in) and [www.classwiseaccess.blogspot.com](http://www.classwiseaccess.blogspot.com). The

overall response were 100% from the randomly collected data on accessing study materials any time as per their convenient time by keeping themselves safe and from staying at home. They are also participating in nationwide online quizzes also such as “GangaQuest”. They are also accessing specialized online services and open educational resources. Their satisfactions level is on top and no loss of their study.



**Fig 3:** This web blog helps students to access study materials class and subject wise. Students of classes VI to XII can access as per their split up of syllabus online.





**Fig 4: This web blog helps students to access study materials class and subject wise. Students of classes I to V (Primary Classes) can access as per their split up of syllabus online.**

The experiences by the authors in the creation of these blogs are as follows:

1. Students are now accessing their own teachers study materials.
2. Students are participating in various online competitions of the Vidyalaya, regional level and national level.
3. Enhancement of ICT skills
4. Immediate retrieval of desired information
5. Saving the useful time of students and teachers

## CONCLUSION

There is no doubt that the availability of technology and the creation of the Virtual Library are going to have a profound effect on the future

library and the IT professionals in our campuses, and it leaves us with an interesting prospect and challenge. This must be the best time to be an IT or library professional and it is up to us to make the most of it and contribute to the rapid changes taking place around us. In the future, Libraries will reinvent themselves by perfecting the path that they have now begun. They will become more of a fusion of physical and virtual realms. In Knowledge economy era, LIS professionals will carry out research on development and application of information resources, construction of virtual libraries, protection of intellectual property rights in the electronic era etc. thus founding the base for knowledge innovation. LIS Professionals in order to meet the challenges of the Knowledge economy are to build a Web Page for Libraries

which demand an urgent attention (Ramesh Babu, 2009). This innovative project helps to access study materials while staying at home. This enabled students to pursue their education from home as per their monthly split up of syllabus. The ICT based web blogs also enabled students to access online quiz along with other open educational resources which assisted to go through the supplementary reading materials. Hence with the help of this ICT based project students are able to support their study from home and spent time at home very effectively. They also updated their ICT skills and knew various useful online resources. This online mode also enabled students to remain aware with recent government educational and related policies such as recently disseminated NCERT Annual Academic Calendar, Split up syllabus, annual exams etc.

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