



Disaster Management Of The Engineering Colleges Affiliated To Dr. Bahasaheb Ambedkar Marathawada University: A Survey.

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ABSTRACT:

The study sought of determines the key issues that strengthen the organization of disaster management for engineering college libraries. The conclusion is based on data collected from various libraries. Data was composed by use of interviews, study and text analysis. The study meant to find: out if there are disaster cases that relive to engineering college libraries discover measures that have been undertaken to control such disaster and establish the efficiency of those events in reduction disaster occurrence in libraries. This study established that engineering college libraries are faced with several moribund disasters such as fire, water, heavy storm, earthquakes, and burst water. It recommends the organization of disaster management policy with budget allotment part of which the library management could use to develop a specific policy for the library.

KEYWORD:

Disaster management .Engineering college

1.INTRODUCTION:

The alarming rates at which disasters occur in the world today and Indian in particular, are forcing organisation to re-think on way of managing them. Reviewed literature has shown that disaster cases have not only become common but complex in nature due to various reasons such as technological advancement and increased population with stagnating resource leading to overuse some of them and thus impacting negatively on the environment. It has been observed by UN (2003) that frequency and severity of natural disaster continue to increase, affecting , on average, around 200 million people, per year, loosing their homes, land and access to jobs, in this regard, gradually , natural disaster have come to pose a threat to the gain maid by development. Library is the main generators of information they too are the main disseminators of information since they conduct a lot of research. Engineering college libraries which are

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the heart of academic instauration and the guardian of the social money have the components of information collection in a variety of formats which must be managed to protect them against destruction from any sort of disaster which only become possible where disaster management is taken seriously.

2.DISASTER :

Disaster management has been defined by sickish(2004) as plans the ensure a continuity of operation and it involves compliance, preparedness, information management, training and resource management while providing for effective co-ordination of activities among organisation warning and instructions to all concerned if a crisis occurs, assessment of actual and potential consequences and continuity of business operations during and immediately after the crisis, it is important therefore to state that since disasters do occur when list expected or in other words, they ring no bell, it is important to prepare for any eventuality by undertaking disaster management.

2.1 Type of disaster:

2.2. Earthquake

Earthquake is an unexpected and rapid shaking of earth due to the breakage and shifting of underneath layers of Earth. Earthquake strikes all of a sudden at any time of day or night and quite violently. It gives no prior warning. If it happens in a populated area, the earthquake can cause great loss to human life and property.

2.3.Tornado

Tornado is one of the most violent storms on earth. It seems like a rotating and funnel shape cloud. It expands from the thunderstorm to the ground in the form of whirl winds reaching around 300 miles per hour. The damage path could move on to one mile wide and around 50 miles long. These storms can strike quickly without any warning.

2.4.Flood

Flood is also one of the most common hazards in the United States and other parts of the world. The effects of a flood can be local to a neighborhood or community. It can cast a larger impact, the whole river basin and multiple states could get affected. Every state is at its risk due to this hazard.

2.5.Water Damage

Water damage has a huge effect on your home, its neighborhood and your city. It is very much necessary that you should prepare for water damage. You must know what should be done during and after water damage.

2.6.Hail

Hail comes into existence when updrafts in the thunder clouds take the raindrops up towards the extremely cold regions in the atmosphere. They freeze and combine forming lumps of ice. As these lumps can be very heavy and are not supported by the updraft, they fall off with the speeds of about 100 km per hour or more. A Hail is created in the form of an enormous cloud, commonly known as thunderheads.

2.7.Wildfire

Wild forest areas catching fire is a very big problem for the people who live around these areas. The dry conditions caused several times in the year in different parts of United States can increase the possibility for wildfires. If you are well prepared in advance and know how to protect the buildings in your area, you can reduce much of the damage caused by wildfire. It is everyone's duty to protect their home and neighborhood from wildfire.

2.8.Hurricane

Hurricane also like the tornado is a wind storm, but it is a tropical cyclone. This is caused by a low pressure system that usually builds in the tropical. Hurricanes comes with thunderstorms and a counter clockwise spread of winds near the surface of the earth.

2.9.Winter Freeze

Winter freeze storms are serious threats for people and their property. They include, snow, frozen rain, strong winds and extreme cold. Many precautions have to be taken in order to protect yourself, your family, home or property.

2.10.Lightning

Lightning is a much underestimated killer. Lightning is an abrupt electric expulsion which comes from cloud to cloud or from cloud to earth followed by an emission of light. Lightning is a common phenomenon after heavy rain and can also occur around 10 miles off from rainfall. Most lightning victims are people who are captivated outdoors in summer during the afternoon and evening.

2.11.Volcano

Volcano is a mountain that has an opening downwards to the reservoir of molten rock towards the surface of earth. Volcanoes are caused by the accrual of igneous products. As the pressure caused by gases in the molted rock becomes intense, the eruption takes place. The volcanic eruption can be of two kinds, quiet or volatile. The aftermaths of a volcano include flowing lava, flat landscapes, poisonous gases and fleeing ashes and rocks. Read on to know more on types of disasters.

3.STATEMENT OF THE PROBLEMS:

Libraries are prone to various disasters such as student riots, fire outbreaks: heavy storms: pipe and water reservoir bursts: roof leakages due to heavy rains: and damages by insects and animals these challenges definitely call for the need for an establishment of a disaster department for engineering colleges libraries.

4.OBJECTIVE OF THE STUDY:

The objective of this study are to find out if there are cases that have affect college libraries identify measures that have been taken whenever disaster occur establish effectiveness of the measures take in curbing disasters in engineering college library establish the existence of a unit of department for managing disasters in libraries identify factors that hinder the establishment of disaster management unit or department for libraries suggest partial solution s to the problem of the study make recommendations towards the establishment of disaster management department.

5.SIGNIFICANCE OF THE STUDY

This study creates awareness on the importance of disaster management for university libraries. It also highlights various types of disasters that affect engineering college libraries an important factor in drawing a disaster control plan the is important in the sense that it shade identifies the problems encountered in the process of establishing the disaster management department for engineering college libraries.

6.SCOPE OF THE STUDY

The study focused on engineering colleges library in Aurangabad city only.

7.LIMITATION OF THE STUDY.

This study is limited to engineering college libraries disaster management in engineering college library affiliated to Dr. BAMU Aurangabad.

8.DATA ANALYSIS :

For the data collection researcher distributed 13 questionnaire for the topic Library disaster management with special reference to Dr. B.A.M.U Aurangabad affiliated Engineering college. 11 questioner received with complete data. The responses is 84%.

The data analysis is given below are based on questionnaires answer.

Table. No1.
Indian conservation institute.

Sr.	Question	College	Response
1	Would you like to get training from the institute	11	100%
2	You don't like to take training from the institute	00	100%

Table No 2
Emergency exit Door

Sr.	Question	College	Response
1	Is there emergency Door to Exit	09	81.82%
2	There is no emergency door to exit	02	18.18%

The table highlight the level regarding the. Emergency exit door 81% of the library opinion that there is emergency exit door, 18% user rated average opinion.

Table. No.3
Earthquake resitants library building

Sr.	Question	College	Response
1	Isthe library building is earthquake resistance	01	9.10%
2	No	10	90.99%

Table no.3. found that 90% library are not earthquake resistance, only 9% of the library are earthquake resistance.

Table No.4
Racking of stack

Sr.	Types	College	Response
1	Closed cupboard	07	63.63%
2	Steel cupboard	0	-
3	Wood Rack	03	27.28%
4	Open stack	01	9.9%
5	Steel rack	0	0
6	Other	0	0
		11	100%

From the above table it is clear that most of the library are using closed cupboard, that is 63.63%, wood rack using by library 27%, 9.9% of library using open stack.

Table No. 5
Location of the library building

	Types	College	Response
1	Ground floor	01	9.9 %
2	Ist floor	06.	54.55
3	IInd floor	02	18.18
4	IIIRD floor	01	09.09
5	Other	01	09.09

It is evident from the table No.5. That 54 % library are on 1st floor, 18% of the library are at 2nd floor, very low response from ground floor library that is 9.9%.

Table No.6
Disaster management education for student

Sr.	Question	College	Response
1	Providing disaster management education	01	9.10%
2	Not providing disaster management education	10	90.99%

Above table reveals that no library are providing disaster management education to the student response are 90%. Very few colleges providing disaster management education the response are 9.9%.

Table 7
Process on damaged books

Sr.	Question	College	Response
1	Book binding	10	90.90%
2	Scanned to books	01	09.10%
3	Makes microfiche	-	-
4	Makes microfilms	-	-
		11	100%

Above table no7. Indicates that damaged books processed book binding 90.90%, very low work response for the Scanning books that is 9.10%.

Table. No.8
Knowing of Indian conservation institute

Sr.	Question	College	Response
1	Do you know Indian conservation institute	01	9.10%
2	Not knowing	10	90.99%

From the above table no. 8. It is clear that most of the library are not knowing Indian conservation institute the response is 90.10%, only 9.% of library are knowing about Indian conservation institute.

Table. No.9
Indian conservation institute

Sr.	Question	College	Response
1	Do you like to take education of disaster management through INTACH	11	100%
2	You don't like to take education of disaster management through INTACH	00	00.00%

From the above table no. 9. It is clear that the 100% library are taking interest to take education from Indian conservation institute.

Table.no.10
Library precaution against storm

Sr.	Question	College	Response
1	Yes	07	63.63%
2	Not protected	04	36.36%

Above table shows that the 63.63% library is precaution against storm and 36.36% of the library are not taking against storm.

Table. No.11
Library building protected from Lightning

Sr.	Question	College	Response
1	Yes protected	01	09.10%
2	Not protected	10	90.90%

Table. No.12.
What provision you adopted for protect from Fair

Sr.	Question	College	Response
1	Do you have Seasfire machine	07	63.64%
2	You have bucket of sand	01	09.09
3	You have water pipe	01	09.09
4	Do you have alarm machine	01	09.09
5	Lightning tower	01	09.09
			100%

Table No.13
Your library faced any disaster

Sr.	What kind of disaster you have faced	College	Response
1	Fire	-	-
2	Flood	-	-
3	Heavy rain	06	54.54
4	Earthquake	-	-
5	Lightning	-	-
6	Tatsunami	-	-
7	Building collapse	-	-
8	Strome	2	18.18
9	Heat	-	-
10	Gas leak	-	-
11	Other	-	-
		Total	72.73
		No response	27.27
			100%

It is evident from the table No.11. That 54 % library faced the heavy rain problems. 18% library faced strome problems.

Table. 14
Pest control of library

Sr.	Question	College	Response
1	yes	03	27.28
2	no	08	72.72
		11	100

Table no. 15
Do you use Insect spray

Sr.	Question	College	Response
1	Yes	06	54.55
2	No	05	45.45
		11	100%

Table.16
How you protect Dust/Heat/Fungus

Sr.	Types	College	Response
1	Building are dust free	05	45%
2	Do you use vacuum cleaner	09	81.00%
3	Library are air-conditioning	02	18%
4	Do you use regularly insect spray	01	09%

It is evident that the protection form dust heat and fungus 81% library using vacuum cleaner, 45% library makes building dust free, very low library using insect spray regularly that is 9%.

Table. No.17
Suggestion from Librarian

Sr.	Suggestion	College	Response
1	Library should provide disaster management education	11	100%
2	Education should be given through LIS study	09	81%
3	Seasfire machine should be instald in library	11	100%
5	College management should provide all the aspect of disaster management to the students and staff.	07	63.%

From the above table its is found that the 100% library says that disaster management should be given by the library,81% library indicate that the disaster management education should be include in LIS education. Seas fire machine should be installed in library says 100% library. 63% library says that college management should provide all the aspect of the disaster management to the student and staff.

CONCLUSION

The world of academics enjoying the fruits of modern library in this IT era. All the librarians should having the basic knowledge to handle the disaster problems and resources, the institution involved in academic work should provide technical training to their student. And staff. The modern society is dynamic and complex. The duty of the librarian towards social change, scientific development and social uplift is undisputable. Disaster management training will definitely make its own impact on its security.

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