

Webometric Study of University Websites of UttarPradesh and Rajasthan (India)

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Abstract

The paper evaluates websites of 27 universities of two prominent and largest states of India, Uttar Pradesh and Rajasthan to find out facilities provided by them in search and user friendliness & their drawbacks. The paper analyses authority detail, contact details, currency details, navigation links, user support links & status of universities. Rank tables for each university based on scores obtained have been prepared and graded from excellent to very poor. Paper suggests for a Council / Committee to evaluate websites for improvement on regular basis. Paper also suggests for developing more evaluation parameters and their scaling.

1. Introduction: -

The information revolution has taken less than two decades. It is being presented as the new savior of mankind. The Internet has penetrated into all walks of life. Web is fastest growing Internet tool for information retrieval. The World Wide Web or www is a set of servers on the Internet that are interconnected through hypertext. Hypertext is a method of presenting information where selected items are highlighted in different colours and can be expended at anytime to provide information about the item. These are called links, which allow moving from document to document and server to server.

The www is a method by which information can be published across the globe. Millions of persons can search it, download and print. The websites offer opportunities to find information from all over the world. The organizations, educational institutes, libraries, communities and individual people, all serve as information providers to it. This is sharing of resources and information. It is an example of social cooperation on very large scale. It has fastened professional and personal communication throughout the world

On the web there are millions of websites on all scores of life good or bad, useful or harmful, religious or social, scientific or literary, educational or professional, war or peace, entertaining or deterring, useful for child or old, male or female, leaders or public, scientists or farmers, students or professionals, during day or night, summer or winter, hot or cold, in the cities or villages, sky or underwater, at home or offices or on streets, during journey, voyage or travel, etc. To say it may be used by any body, anywhere and any time. But biggest of all users are the students; the builder of the future of the nation for

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their educational purposes University education at any level can fulfill ever-growing and ever-changing demands of the students. They need full, correct and update information. In practice it is a challenge. Any mistake in a university website may result into a life of a youth. A wrong result on the web may cause a permanent loss for a life, family, society & nation. The other types of webs not are so influential as university websites are. We need in depth study of these websites and make continuous improvements to build our students, professionals and nations.

Evaluation is an essential and ongoing process for information managers. It is a system of continuous improvement. Without evaluation; we are at risk of wasting valuable time. In libraries traditional sources like books, periodicals and reference sources are evaluated one way or the other, by reviewers, editorial board of journals; newspapers, teachers and classrooms in their own ways but none of these apply to www. Anyone with access to a server and some knowledge of HTML can put information on the web, which pose problems of accuracy, quality, validity and bias and as such evaluation is much more difficult..

The contents on www should be appropriate for the age or developmental level of the users The information should be presented with clarity, free from errors, accurate and reliable, legible, easy reading and well organized and arranged systematically. It should be authentic with proper coverage.

The websites should be rich in information. These should cover the information on all major aspects: the area of topics covered, depth of coverage, time period of coverage and the language of coverage. The scope should decide the items

to be included and excluded on www at any point of time. It should match the expectation of users and students.. The website should clearly state purpose to

provide immediate information about the content. It should clearly state as to commercial, information, educational, entertaining, personal or institutional, etc. The arrangement should be systematic with an index/ searching by query facility. The information on www should be presented so clearly as like a mirror reflecting its contents, neat text, legible and easy reading supported by graphics, photographs, etc..

The information provided should be without any explicit or hidden bias. The website server should load quickly with proper required graphics, only with linked tags. Resources must be accessed with standard equipments. Software requirement and password should be clearly stated with information how to acquire them. It should be easy to get a website

The criteria for the evaluation of websites have been developed on the basis of few studies, but not for evaluation of web sites of universities. Those have been modified according to suitability of the topic. The first criteria is "authority", which is who builds and maintain the website. Authority should be who can speak on the topic and is responsible for its accuracy. Qualifications and experience of the authority are also important. In case of universities, the authority should be an authority to state and implement the information available on the web page. It is Registrar & Vice Chancellor or their delegates. The reputation of web builder or designer for a web page is checked by considering clarity of the statement of author of the website information; the position of author, qualifications and

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experience; association with organization; and credibility /reputation of organization.

The “contact details” are other important information provided on the home page in the form of a separate link. These include contact link, address, e-mail, phone and fax.

The currency statement includes update frequency & the last date of update. It also includes visitors count.. The date of creation and last updating should be given invariably.

Navigation links are the links, which help for browsing of the contents of web information. The website should have single link instead of use to the back button of the explorer to get out of that page. The links should be clearly labeled. The user should be able to print pages or portions. The images should be used but should not slow down the down loading. These links have been studied.

User support link include links to E-mail help link, telephone help link support during browsing. Links to other related websites should be given. The links should works efficiently to support users.

Last the content coverage links should cover information about major subjects covered. A list of subject likely to be covered may be given to evaluate this part. This is not required in this study

There are few articles on measuring web. Hirwade and Kale (2003-04) paper on evaluation of 8 virtual libraries is practical work on evaluation. Sharma and others (2003-04) have theoretically discussed criteria for web evaluation Biradar and Kumar (2003) have also discussed evaluation criteria. The works of Sharma (2007) and Goswami (2007) are on evaluation of university websites An eight-point evaluation of UC Barkley library is available on net, Clausen (1999) Prietto (2001), works can also be referred for evaluation of websites.

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2. Method and Data Sources: -

The parameters for evaluation of university websites have been, developed on fourty point scale. The evaluation criteria for printed and web resources are almost same with some additional criteria. Interactivity, searching and currency, etc. are needed to www especially. For the collection of data web addresses of the universities have been collected from web site of the University Grant Commission (India). The study has navigated the Internet to find out university websites in two major & largest states of India namely Uttar Pradesh (UP) and Rajasthan. These two states cover large population and area. The table 1 & 2 shows name & web addresses of universities. The paper has evaluated these websites using authority statement, contact details, currency statement, navigation links, user support links, and status of the university as parameters. Many universities did not respond or do not have a website Hence they have been omitted in this study.

The website having one facility scored 1 mark and failing it, scored zero. For each criterion thus scores are calculated. In the last the total scores of individual universities have been calculated and divided into various rankings from “excellent “ to “ very poor”

3. Results: -

In this section the data have been tabulated and analyzed for the websites of the universities in Uttar Pradesh and Rajasthan in the table 3 and table 4. The evaluation of websites is as follows:

3.1 Universities of Uttar Pradesh: -

In all 12 websites of universities of U.P. have been evaluated and analyzed.

a. Authority: -

Only 4 universities have provided full information under this head. Copyright statement is available in 9 websites only.

Credential and maintenance details are absent in 6 & 9 websites respectively.

b. Contact Links: -

Only 8 websites have provided all details of contact with the authorities. One university has provided only phone number as contact link which is very insufficient.

c. Currency Statement: -

Full information is missing in all the websites. Only 3 websites have given this important information. Update frequency is missing in all the websites. Thus the students cannot get latest information for sure from these websites.

d. Navigation Link: -

Only 4 websites have provided full information on navigational link part I. Image support navigation and down loading links are missing in half of the websites. The sites slow down on image downloading. The page printing is also difficult in 50% websites.

In navigation link part II information of home links on each page is available in all the websites. Other navigational links are absent in 50-75% websites.

e. User Support Links: -

These are also missing in most websites. Websites have scored only 36% on these links, which is too small. Help menu like e-mail & telephone help line, which support the users while browsing, are missing in most cases. On line admission is a missing link in 83% websites. On line results are also not available in 34% websites. Links to search engines, other universities, other websites and feedbacks are also missing in most websites.

f. Status of University:-

Many of these informations are available in the websites but information about alumni is not available in all the

universities. Distinguished alumni links are given in only 3 websites.

The analysis shows that the websites of universities in Uttar Pradesh are still not very developed. Banaras Hindu University, Varanasi has scored 80%. University of Lucknow, Lucknow; DUGU, Gorakhpur; University of Allahabad, Allahabad; CSJMU, Kanpur, and MJPRU, Bareilly have scored 60% or above. Purwanchal University Jaunpur could not score even 50%. It is concluded that most universities of U.P. so far have not taken this issue very seriously and have failed to develop and maintain their websites to the expectations of the students & faculty in spite of the fact that universities run courses in computer applications.

3.2 Universities of Rajasthan

In all 15 websites of universities of Rajasthan have been analyzed and evaluated

a. Authority: -

Only 3 universities provided full information for the 4 statements under this heading. One university has not given any information under this head. Credentials and copyright statements is absent in more than half of the websites.

b. Contact Details: -

Most of the websites in the study have provided this useful information. Only 2 websites have not given the information about e-mail, fax & phone number.

c. Currency Statement: -

In most of the websites this is missing in spite of the fact that this is most important aspect. Only 2 universities have visitors' number count and only 3 universities have given information about the last update. The students cannot get information for sure from these websites

d. Navigation link: -

Only 5 websites have provided

full information on Navigation link, part I. 8 websites have image support navigation and 13 websites have image support downloading links. 14 website have internet link. 11 websites have clearly labeled links.

In navigation link, part II home links on each is available in 93% websites. Other navigational links are absent in 60-75% websites.

e. User support links: -

These links are also missing in most websites. Only 2 universities scored 53%, which is too small percentage. Links like e-mail, telephone help line support are missing. On line results are not available in 47% websites. On line admission is also missing in 67% websites. Link to search engines, other universities, other websites and feedback are also missing in most websites.

f. Status of University: -

Much of this information is available in these websites but information about alumni is missing in all the websites of university of Rajasthan. Distinguished alumni links are given in only 47% websites.

The analysis shows that the websites of universities in Rajasthan are still not very well developed. Birla Institute of Technology & Science, Pilani have scored 72% Banasthali Vidhyapith, Banasthali, (Jaipur) and MPUAT, Jaipur have scored 70 %, University of Rajasthan, Jaipur & MSU, Udaipur have scored 65to 60 %, IASE & RSU have scored less than 40%.

It is concluded that most universities of Rajasthan so far have not taken the issue very seriously and have failed to develop and maintain their websites to the expectations of the students and faculty at large.

3.3 Gradation of Websites: -

On the basis of scores obtained on various parameters, websites have been graded in Table 5 as follows. 80% and above - Excellent, 70-79% - Very good, 60-69% - Good, 50-59% - Average, 40-49% - Below Average, 30-39% Poor and below 30% Very poor.

Out of the 27 universities only Banaras Hindu University (UP) has been graded as “Excellent” for its website. Three websites in Rajasthan namely BITS; Banasthali Vidyapeeth and MPUAT have been graded as “very good”. 5 in U.P and 2 universities in Rajasthan have been graded as “Good”. 5 universities in U.P and 5 websites of Rajasthan have been graded as “Average”. One university of U.P. and 5 universities in Rajasthan are “below average” or “poor” in grades for their websites.

4. Discussions, Conclusion and Suggestion: -

It is crucial that websites reflects the high quality services that are being offered. Now a day growth of the universities depends upon the quality of web presence. It is of great importance to develop evaluation tool and apply to websites in order to facilitate the quality web pages for student community. University websites are carrier oriented to millions of students so these should be well organized and rich in contents. These should provide navigational links with more cautious, which may help young generation to browse them.

More comprehensive parameters should be developed at national and international levels for university websites so that large community of students can be benefited. The development of parameters

should apply scaling techniques for various parameters instead of one & zero for absence or presence of any parameter to make evaluation more comprehensive and scientific. A Web Evaluation Committee / Council/ Institution be set up at national/ international level for gradation which should be shown on every website of educational institutions' compulsorily. A normal fee may be charged for the periodic evaluation. Daily updation should be a must. ISO 9001 requirements viz design, control, inspection and testing product identification and trace ability be strictly applied to these websites. In addition the university websites should provide the followings:

1. Examination question papers for at least last 2 years;
2. The merit list of last 2 years along with their marks;
3. Answer sheets of few merit holders;
4. Information regarding libraries, OPAC;
5. List of research scholars and their topics; and award of Ph.D., D Litt.etc.
6. List of projects;
7. List of patents obtained;
8. List of students having passed NET and scholarships holders & other awards holders;
9. Virtual travel in important places campus.

Future research on websites may focus on user oriented evaluation of websites, identification of obstacles to the use of websites, comparison of websites, development for a model for contents of web pages; and development for a new method of evaluating the quality of websites, etc.

References: -

Barkley, U C [Http.lib.berkeley.edu/teaching lib/ Guides/internet/ evaluation /html](http://lib.berkeley.edu/teaching/lib/Guides/internet/evaluation/html).

Biradar, B.S. and Kumar, B T Sampath (2003). Web based information resources, parameters for evaluation. 48th All India Conference on electronic information environment and library services: A contemporary paradigm, Bangalore. ILA, Delhi. pp112-17.

Clausen, H. (1999), Evaluation of library websites, the Danish case. *Electronic library*. 17, 83-7.

Goswami, Prashant (2007-08). Webometric study of universities websites of Uttar Pradesh. M.Phil Dissertation. S.S.in Library & Information Science, Faculty of IT, Vikram University, Ujjain. 129 pp.

Hirwade. Mangala, A. and Kale, Vrushale (2004). Major virtual libraries on Internet: An evaluative study. 50th All India Conference on Knowledge Organization in Digital Environment in libraries (KODEL): Introspect and Prospects. Jhansi. ILA, Delhi. pp 249-61 .

Prietto, C (2001). Rare and archival law materials on the www an evaluation or selected sites. *Legal reference service quality*. 20,67-77.

Sharma, Desh Bandhu, and others (2003-04). Evaluation of libraries and information center web sites: User Approach. 49th All India Conference on responding to users need in changing information landscapes. Jhansi. ILA, Delhi. pp580-87.

Sharma, Umesh (2007-08). Webometric study of universities websites of Rajasthan. M.Phil.Dissertation. S.S.in Library & Information Science, Faculty of IT, Vikram University, Ujjain. 100 pp.

Vaidya, Sachin (2003). Evaluation of electronic information resources (EIRS). 48th All India Conference on electronic information environment and library services: A contemporary paradigm,

H.Kretschmer & F. Havemann (Eds.): Proceedings of WIS 2008, Berlin

Banglore. ILA, Delhi. pp107-11.
<http://www.webometrics.info/methodology.html>
<http://www.db.dk/lb/phd/phd-thesis.pdf>

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Table 1 : List of Universities of Uttar Pradesh

S. N.	Name of Universities	Website
1	Allahabad Agricultural Institute, Allahabad –	www.aaidu.org
2	Banaras Hindu University, Varanasi	www.bhu.ac.in
3	Bundelkhand University, Jhansi	www.bujhansi.org
4	Ch. Charan Singh University, Meerut	www.ccsuniversity.org
5	Chhatrapati Shahu Ji Maharaj University, Kanpur	www.kanpuruniversity.org
6	Dayalbagh Educational Institute, Agra *	www.dei.ac.in
7	Deendayal Upadhyaya Gorakhpur University, Gorakhpur	www.ddugu.edu.in
8	M. J. P. Rohilkhand University, Bareilly	www.mjpru.ac.in
9	Mahatma Gandhi Kashi Vidyapith, Varanasi	www.mgkvp.ac.in
10	University of Allahabad, Allahabad	www.alluniv.ac.in
11	University of Lucknow, Lucknow	www.lucknowuniv.ac.in
12	V. B. S. Purvanchal University, Jaunpur	www.vbspu.ac.in

Note: * Deemed University

Table 2: List of Universities of Rajasthan

S.N.	Name of Universities	Website
1.	Banasthali Vidhyapith, Banasathali, Jaipur*	www.banasthali.org
2.	Birla Institute of Technology & Science, Pilani*	www.discoverybits-pilani.ac.in
3.	Institute of Advanced Studies in Education *, Sardarshahar	www.gandividyaman-dir.org
4.	Jai Narayan Vyas University, Jodhpur	www.jnvu.edu.in
5.	Jain Vishva Bharti Institute *,Ladnun	www.jvbi.ac.in
6.	Janardan Rai Nagar Rajasthan Vidyapeeth*, Udaipur	www.jnrnuv.org
7.	Vardhaman Mahaveer Open Uni., Kota	www.vmou.ac.in
8.	LNMIIT Institute of Information Technology*, Jaipur	www.lnmiit.org.in
9.	Maharana Pratap University of Agriculture & Technology, Udaipur	www.mpuat.ac.in
10.	Malviya National Institute of Technology, Jaipur	www.mnit.ac.in
11.	Mody Institute of Technology & Science*, Sikar	www.mitsuniversity.ac.in
12.	Mohanlal Sukhadia University, Udaipur	www.mlsu.ac.in
13.	National Law University, Jodhpur	http://nlujodhpur.nic.in
14.	Rajasthan Sanskrit University, Jaipur	www.jrsanskrituni.ac.in
15.	University of Rajasthan, Jaipur	www.uniraj.ernet.in

* Deemed University

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Table 3 Scores of the websites : Universities in Uttar.Pradesh

S. N.	Criteria	Maxim um	Serial Number of Universities of U.P.												Total	%
			1	2	3	4	5	6	7	8	9	10	11	12		
1.	Authority															
a.	Statement	1	1	1	1	1	1	1	1	1	1	1	1	0	11	092
b.	Credential	1	1	1	1	0	0	1	1	0	0	0	1	0	06	050
c.	Copy right	1	0	1	1	1	1	1	1	1	0	1	1	1	10	083
d.	Maintenance details	1	0	1	1	0	1	0	1	1	1	1	1	1	09	075
	Total	4	2	4	4	2	3	3	4	3	2	3	4	2	36	075
2	Contact Details															
a.	Contact Link	1	1	1	1	1	1	1	1	1	1	0	1	1	11	092
b.	Postal Address	1	1	1	1	1	1	1	1	1	1	1	1	1	12	100
c.	E-Mail	1	1	1	1	1	0	1	1	0	1	0	1	1	09	075
d.	Fax	1	1	1	1	1	1	1	1	0	1	0	1	1	10	083
e.	Phone No.	1	1	1	1	1	1	1	1	1	0	1	1	1	11	092
	Total	5	5	5	5	5	4	5	5	3	4	2	5	5	53	088
3	Currency Statement															
a.	Last Update	1	1	1	0	0	0	0	0	0	1	0	0	0	03	025
b.	Visitor Number	1	1	0	0	1	0	0	0	1	0	0	0	0	03	025
c.	Update Frequency	1	0	0	0	0	0	0	0	0	0	0	0	0	00	000
	Total	3	2	1	0	1	0	0	0	1	1	0	0	0	06	017
4.	Navigation Link [Part-1]															
a.	Use of Image	1	1	1	1	1	1	1	1	1	1	1	1	1	12	100
b.	Image Support Navigation	1	0	1	0	1	0	0	0	1	1	1	0	0	05	042
c.	Image Support downloading	1	0	1	1	1	0	0	0	1	0	1	0	1	06	050
d.	Internet Links	1	1	1	1	1	1	1	1	1	1	1	1	1	12	100
e.	Clearly Labeled Links	1	1	1	1	1	1	1	1	1	1	1	1	1	12	100
	Total	5	3	5	4	5	3	3	3	5	4	5	3	4	47	078

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Table 3 Scores of the websites : Universities in Uttar.Pradesh (continued)

S.N.	Criteria	Maximum	Serial Number of Universities of U.P.														
			1	2	3	4	5	6	7	8	9	10	11	12	Total	%	
5	Navigation Part 2																
a.	Home Link on Each Page	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	100
b.	B/F link between pages	1	0	0	0	0	0	0	0	0	1	1	1	0	0	03	025
c.	Index/ Site Map	1	0	1	0	0	0	1	0	0	0	1	1	0	0	04	033
d.	Effective Search facility	1	1	1	0	1	1	1	0	0	0	1	0	0	06	050	
	Total	4	2	3	1	2	2	3	1	2	2	4	2	1	25	052	
6.	User Support Links																
a.	FAQ	1	0	1	0	0	1	0	0	0	0	0	1	0	03	025	
b.	Help Menu	1	0	0	0	0	0	0	1	0	0	1	0	0	02	017	
c.	Rich File	1	1	1	1	1	1	1	1	1	1	1	1	0	11	092	
d.	Link to Other website	1	1	0	0	1	0	0	1	1	0	1	0	0	05	042	
e.	Link to Search Engine	1	0	1	0	0	1	1	0	1	0	0	0	0	04	033	
f.	Link to Other University	1	0	0	0	0	0	0	1	0	0	0	0	0	01	008	
g.	Feed Back	1	0	1	0	0	0	0	0	0	0	1	1	0	03	026	
h.	On line Result	1	0	1	1	0	1	1	0	1	1	1	1	0	08	066	
i.	On line Admission	1	1	0	0	0	0	0	0	0	0	0	1	0	02	017	
	Total	9	3	5	2	2	4	3	4	4	2	5	5	0	39	036	
7.	Status of University																
a.	Central,State,Deem	1	1	1	1	1	1	1	1	1	1	1	1	1	12	100	
b.	Grade by UGC-NAAC	1	1	1	1	1	1	1	1	1	1	1	1	1	12	100	
c.	List of Department	1	1	1	1	1	1	1	1	1	1	1	1	1	12	100	
d.	List of Students	1	0	1	1	0	1	0	1	1	1	0	1	0	07	058	
e.	List of Teachers	1	1	1	1	1	1	1	0	1	1	1	1	1	11	092	
f.	Credential of Teachers	1	0	1	0	1	1	1	1	0	1	1	1	1	09	075	
g.	Award Received by Teachers	1	0	1	0	1	1	0	1	0	0	0	1	0	05	042	
h.	Alumni	1	0	0	0	0	0	0	0	0	0	0	0	0	00	000	
i.	Distinguished Alumni	1	0	1	0	0	0	0	1	0	0	1	0	0	03	025	
j.	Number of Affiliated Colleges	1	0	1	1	0	1	1	1	1	1	0	1	1	09	075	
	Total	10	04	09	06	06	08	06	08	06	07	06	08	06	80	067	
	Scores obtained	40	21	32	22	23	24	23	25	24	22	25	27	18	286	059	
	%	100	52	80	55	58	60	58	62	60	55	62	67	45			
	Grade																

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Table 4 Scores of the websites : Universities of Rajasthan

S.N.	Criteria	Maxim um	Serial Number of Universities of Rajasthan															Tota l	%
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
1.	Authority																		
a.	Statement	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	13	087
b.	Credential	1	0	1	0	0	0	0	0	1	1	0	1	1	1	0	0	06	040
c.	Copy right	1	1	1	0	0	0	1	0	0	1	0	0	1	0	0	1	06	040
d.	Maintenance details	1	1	1	0	1	1	0	1	0	1	1	1	1	1	0	1	11	073
	Total	4	3	4	0	2	2	2	2	2	4	2	3	4	3	0	3	36	060
2	Contact Details																		
a.	Contact Link	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	100
b.	Postal Address	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	100
c.	E-Mail	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	14	093
d.	Fax	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	13	087
e.	Phone No.	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	13	087
	Total	5	5	5	5	2	5	5	5	5	5	5	5	5	5	3	5	70	093
3	Currency Statement																		
a.	Last Update	1	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	03	020
b.	Visitor Number count	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	02	013
c.	Update Frequency	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00	000
	Total	3	0	1	0	1	1	0	1	0	1	0	0	0	0	0	0	05	033
4.	Navigation Link [Part-1]																		
a.	Use of Image	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	100
b.	Image Support Navigation	1	1	1	0	0	1	0	0	1	1	0	1	1	1	0	0	08	053
c.	Image Support downloading	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	13	087
d.	Internet Links	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	14	093
e.	Clearly Labeled Links	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	11	073
	Total	5	5	5	3	2	4	4	4	5	5	4	5	4	4	3	4	61	081

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Table 4 Scores of the websites: Universities of Rajasthan (Continued)

S.N.	Criteria	Serial Number of Universities of Rajasthan														Total	%		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14			15	
5.	Navigation Link [Part-2]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	014	93
a.	Home link	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	002	13
b.	Back/F link between page	1	1	0	1	0	0	0	1	1	0	0	0	0	0	0	1	006	40
c.	Index/ Site Map	1	1	1	0	1	0	0	1	1	0	0	0	0	0	0	1	006	40
d.	Effective Search facility	1	1	1	0	1	0	0	0	1	0	0	1	0	0	0	1	006	40
	Total	4	3	2	1	2	1	1	2	3	1	2	1	1	1	4	028	47	
6.	User Support Links	1	1	1	0	0	1	0	1	1	0	0	0	0	0	0	0	007	047
a.	FAQ	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	003	020
b.	Help Menu	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	015	100
c.	Rich File	1	1	1	0	0	1	1	1	1	0	1	0	0	0	0	1	008	053
d.	Link to Other website	1	0	1	0	0	1	1	1	0	0	1	0	0	0	0	1	002	013
e.	Link to Search Engine	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	002	013
f.	Link to Other University	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	002	013
g.	Feed Back	1	1	0	0	0	1	1	0	1	0	1	0	0	0	1	006	040	
h.	On line Result	1	1	0	0	1	0	1	0	1	0	1	0	0	0	1	008	053	
i.	On line Admission	1	1	0	1	0	0	1	0	1	0	0	0	0	0	0	005	033	
	Total	9	6	6	2	2	2	6	3	5	1	4	1	1	1	6	056	041	
7.	Status of University	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	100	
a.	Central, State, Deem	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	05	033	
b.	Grade by UGC-NAAC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	087	
c.	List of Department	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	05	033	
d.	List of Students	1	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	073	
e.	List of Teachers	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	11	073	
f.	Credential of Teachers	1	1	1	0	1	0	0	1	0	1	1	1	1	1	0	07	047	
g.	Award Received by Tea.	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	01	007	
h.	Alumni	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00	000	
i.	Distinguished Alumni	1	1	1	0	0	1	0	0	1	0	1	0	1	0	0	07	047	
j.	Number of Affiliated Coll.	1	0	0	0	1	0	0	0	1	0	1	0	1	0	1	05	033	
	Total	10	6	4	7	4	3	4	3	5	6	5	5	4	4	4	69	046	
	Scores obtained	40	28	29	15	18	19	21	23	20	28	22	21	24	19	12	325	054	
	%	100	70	72	37	45	47	52	57	50	70	55	47	60	47	30	65	54	

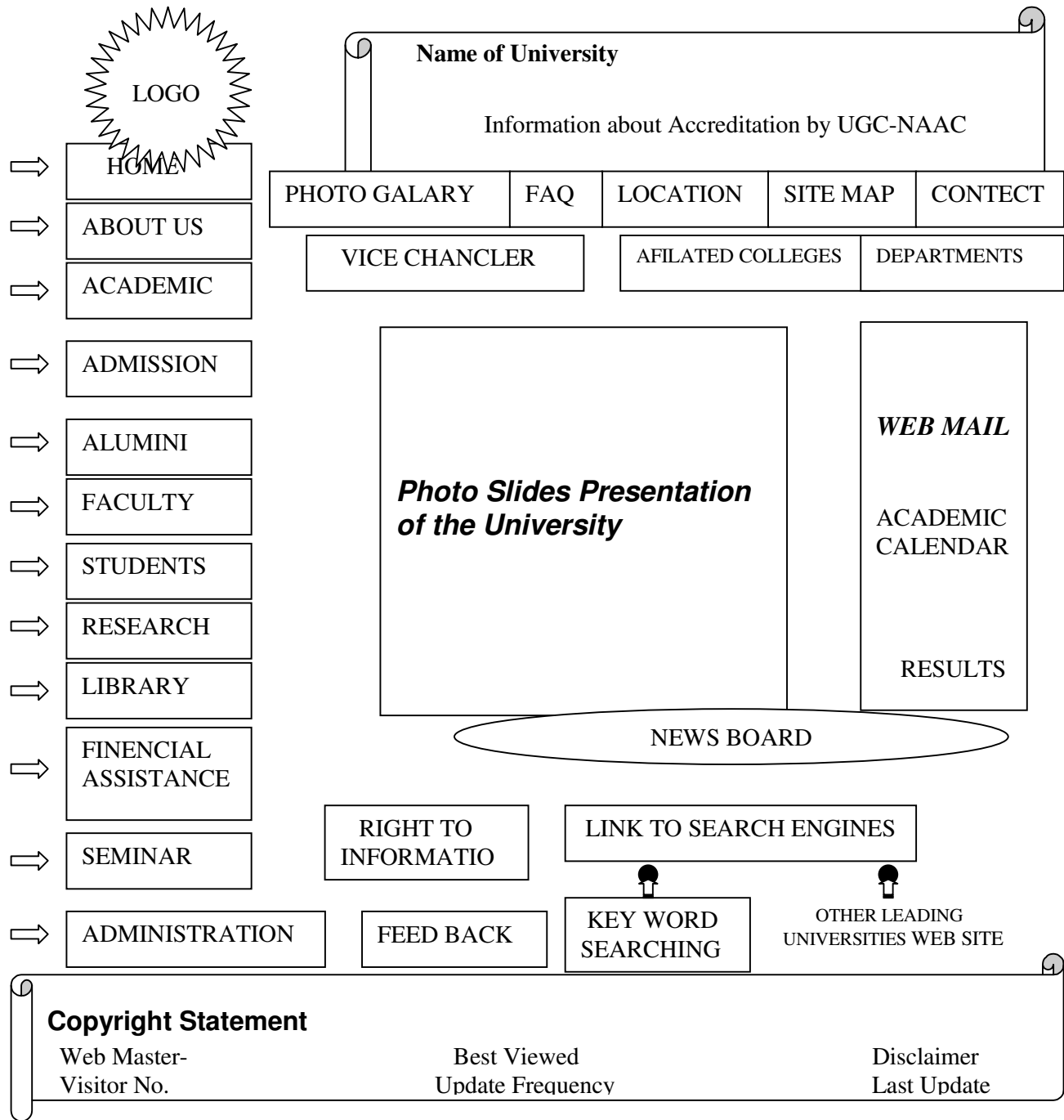
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Table 5: Rank order of Universities Websites of Uttar Pradesh and Rajasthan

University of Uttar Pradesh					
Rank	S.N.	Name of Universities	Scores	%	Grade
1	12	Banaras Hindu University, Varanasi	32	80	Excellent
2	11	University of Lucknow, Lucknow	27	67	Good
3	07	Deendayal Upadhyaya Gorakhpur University, Gorakhpur - 273009	25	62	Good
3	10	University of Allahabad, Allahabad	25	62	Good
4	05	Chhatrapati Shahu Ji Maharaj University, Kanpur	24	60	Good
4	08	M. J. P. Rohilkhand University, Bareilly- 243006	24	60	Good
5	04	Ch. Charan Singh University, Meerut	23	58	Average
5	06	Dayalbagh Educational Institute, Agra *	23	58	Average
6	03	Bundelkhand University, Jhansi	22	55	Average
6	09	Mahatma Gandhi Kashi Vidyapith, Varanasi	22	55	Average
7	01	Allahabad Agricultural Institute, Allahabad *	21	52	Average
8	12	V. B. S. Purvanchal University, Jaunpur	18	45	Below Average
		Over All	286	60	
Universities of Rajasthan					
1	02	Birla Institute of Technology & Science, Pilani*	29	72	Very good
2	01	Banasthali Vidhyapith, Banasathali, Jaipur*	28	70	Very good
2	09	Maharana Pratap University of Agrilcuture & Technology, Udaipur	28	70	Very good
3	15	University of Rajasthan, Jaipur	26	65	Good
4	12	Mohanlal Sukhadia University, Udaipur	24	60	Good
5	07	Vardhaman Mahaveer Open Uni., Kota	23	58	Average
6	10	Malviya National Institute of Technology, Jaipur	22	55	Average
7	06	Janardan Rai Nagar Rajasthan Vidyapeeth*, Udaipur	21	52	Average
7	11	Mody Institute of Technology & Science*Sikar	21	52	Average
8	08	LNM Institute of Information Technology*, Jaipur	20	50	Average
9	05	Jain Vishva Bharti Institute *, Ladnun	19	47	Below Average
9	13	National Law University, Jodhpur	19	47	Below Average
10	04	Jai Narayan Vyas University, Jodhpur	18	45	Below Average
11	03	Institute of Advanced Studies in Education *, Sardarshahar	15	37	Poor
12	14	Rajasthan Sanskrit University, Jaipur	12	30	Poor
		Over All	325	54	

Note: -80% above Excellent, 70-79% Very good, 60-69% Good, 50-59% Average, 40-49% below Average, 30-39% Poor and below 30% Very poor.

MODAL FORMAT OF UNIVERSITY WEBSITE.



- About University
- About City
- About State

- **ACADEMIC**
 - Academic Session
 - Prospectus
 - Syllabus

- **ADMISSION**
 - Courses
 - Fees Structure
 - General Information for Enter Test
 - Admission Form

- **ALUMINI**
 - Alumni Home
 - Alumni News

- **FACULTY**
 - List of Teachers
 - Accreditation of Teachers
 - Award of Teacher

- **STUDENTS**
 - Student Activates
 - Health and Welfare
 - Training and Placement
 - Board of Student Welfare

- **RESEARCH**
 - Doctoral Research
 - Sponsored Research
 - Consultancy

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