



e-Library Science Research Journal



GOOGLE'S SUPPORT TO LIBRARY: PROVISION OF ONLINE INFORMATION SERVICES TO USERS THROUGH GOOGLE BLOGGING (LINK-LISTS) BY LIBRARY OF COLLEGE OF APPLIED MEDICAL SCIENCES KING SAUD BIN ABDULAZIZ UNIVERSITY FOR HEALTH SCIENCES, RIYADH K.S.A.

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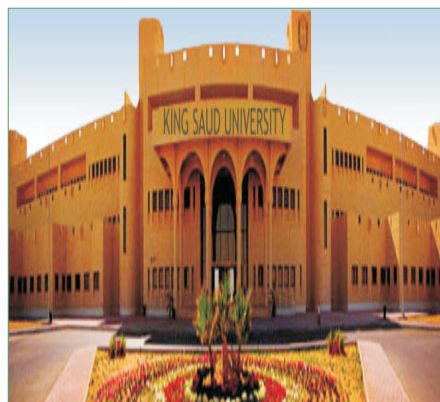
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ABSTRACT

INTRODUCTION: In August 2013, the management of College of Applied Medical Sciences KSAU-HS decided that library does something more & unique for the provision of information to faculty members, students and other users related to college and



hospital staff which helps to them in terms of knowledge and training in their subjects other than traditional & modern age library technology services. In the meantime a study was conducted in the light of mission & vision of the University, it was found that Google as Search Engine can provide informative

services as supportive and minimal cost effective such as Google blogging. Blogging (Link-lists) can help users for acquiring knowledge around the 24/7.

METHODOLOGY: The methodology used for present study is survey based, results collected from the status of audience of each blog which is curtsy of Google, such as: page-views by countries, page-views through browsers and page-views through operating systems.

Results: It is revealed that, all link-lists (Blogs) get international recognition and fulfilled the academic purpose to support users of CAMS-KSAU-HS, and get 1873 (70.90%) page-views by the Kingdome of Saudi Arabia from 2804 page-views of all link list (Blogs), remaining by United States America, Ukraine, Poland, Pakistan, Russia, India, France, United Kingdome, China, Germany, Romania, Venezuela, United Arab Emirate, Czech Republic, Jordan, and Nepal from the 2804 page-views. It shows that, through Google Chrome 1540 (54.92%) is used for accessing page-views from 2804 of page-viewing, as respectively Internet Explorer 637 (22.72%), Safari 319 (11.38%), Firefox 252 (8.99%), Mobile Safari 252 (8.99%), OS; FBSV, Opera, GSA, Namorok, Samsung Browser and Dragon as participate collectively from 2804 page-views. The results show that 2239 (79.85) page-views through the Windows operating system from 2804 page-views, iPhone, Macintosh, Android, iPad, Linux, iPod and Other Unix Internet Operating Systems (OPSs) used for page-views of link-lists (Blogs) from 2804 page-views

Conclusion: In this study it is revealed that, 1873 (70.02%) of page-views by the Kingdome of Saudi Arabia from 2804 page-views. An idea of creating supportive information service is run, the accessing of these link-lists (Blogs) by major Countries of the world, and very useful for every kind of internet browsers & operating systems (OPSs) for accessing from other geographical locations. Add Gadget one of the 28 modules of blogging to support librarians to make separate shelves of knowledge or subjective libraries where user reach easily for saving his / her time. It is suggested to all library professionals that they can use this activity in their domain to support their users, Google is blessing to those who are good for Earth and Human Kind.

KEYWORDS :King Saud bin Abdulaziz University for Health Sciences, College of Applied Medical Sciences, Google's Support, and Zameer Baladi.

ABBREVIATIONS:

| | |
|--------------|---|
| RT: | Respiratory Therapy. |
| CLSP: | Clinical Laboratory Science Program. |
| EMS: | Emergency Medical Services. |
| OT: | Occupational Therapy. |
| Rad Tech: | Radiology Technologist. |
| CNP: | Clinical Nutrition Program. |
| ANESTH Tech: | Anesthesiology Technologist. |
| OPS: | Operating Systems. |
| GSA: | Google Search Appliance |
| OS; FBSV: | Feature-Based Stereo Vision Operating System. |

INTRODUCTION

The 21st century produced a new role for the libraries for uniting information in four main forms such as text, images, audio & videos. Every form of In information Communication Technologies (ICT) relate and reflect to these forms, specifically in health sciences these forms provide a learning centers namely medical libraries where students, faculty members and the staff of the organization can

develop skills and knowledge needed to enhance the quality of healthcare with a multidisciplinary approach, which incorporates discussion, lectures, and hands-on training.

The library of the College of Applied Medical Sciences, King Saud bin Abdulaziz University of Health Sciences Riyadh started its regular service in September 2013 for their users in establishing new campus which existing in beautifully architectural buildings for various colleges with traditional & modern cutting-age technologies. Library is located on the second floor of one of the building and serves all students, faculty, and staff of the college. The Library houses extensive collections in the clinical and basic medical sciences for supporting the curriculums of seven departments which are authorized for issuing bachelor degrees such as Respiratory Therapist (RT), Emergency Medical Services (EMS), Clinical Laboratory Science Program (CLSP), Occupational Therapist (OT), Radiology Technologist (Rad Tech), Anesthesiology Technologist (A. Tech), and Clinical Nutrition Program (CNP), to help healthcare sector. The Library has a seating capacity for 78 users, which includes study carrels and tables, study room, and computer workstations with the help of books and digital library named Acknowledge database which obviously provide help with support of above 55 medical & allied medical databases, thousands of online journals and e-books.

In August 2013, the management of college decided that library does something more & unique for the provision of information to faculty members, students and other users related to college and hospital staff which helps to them in terms of knowledge and training. In the meantime a study was conducted in the light of mission & vision of the University, it was found that Google as Search Engine can provide informative services to students, professionals and researchers as supportive and minimal cost effective to the library of College of Applied Medical Sciences KSAU-HS such as Google blogging. Blogging can help users for acquiring knowledge around the 24/7, blog can help with approximately 28 modules and some main elements like Dashboard, Theme, Theme Lay-out, Header, Post, Comments, Pages, Sidebar, and etc. Because electronic knowledge increasing day by day, and attracts high usage with high percentage, its number of new and free links has been flourishing the world over, which are accessible from anywhere with a significant number of new titles of e-journals and subject related links i.e guidelines, protocols, dictionaries, tutorials, professional associations, encyclopedias, free e-books, and updated news of scientifically innovations which are facilitate to syllabuses of schools, colleges and universities.

LITERATURE REVIEW

Rakhi Tyagi (2015) highlights "Information technology has made a profound impact on availability and accessibility of e-resources to provide quick and comprehensive access to resources by using best possible tools and techniques is the ultimate aim of every library. Multiple resources in the present electronic environment can be seamlessly integrated with a single login gateway which makes is user friendly. In the last decade of twentieth century and twenty-first centuries, the Information and Communication Technology (ICT) has hoped to transform all the libraries. The ICT, web technologies and database techniques have compelled library and information centers to use these technologies effectively to render services. With increasing numbers of electronic resources, it has become imperative for information providers or librarians to redefine their role in disseminating information to the users. Mamata Mestri (2015). The time will come when persons will move with the whole required information, i.e. books, journals, articles, reports, handbooks, data books, encyclopedias and other information material stored in the form of microchip in the pocket and the desired information would be retrieved through personal or home computers or connect them with other equipment whenever required. The Libraries and Librarians will have to change themselves and develop proper attitude towards this new development and actively participate in emerging electronic evolution. In this fast

developing information technology era, future of the library is uncertain, as the specialists in the related fields estimate that many more far reaching technological innovations are yet to come. Vishwanath P. Singh (2014). As a good convener Mohamed M, Mashroofa (2013) support for our work and says "Subject knowledge is important to provide reference services, research assistance, and teaching information literacy, liaison with user departments and collection development of the faculty or research institution, as librarians have to play innovative roles in addition to the conventional roles". The most common aim or purpose was to provide news, information and links to Internet resources for library users. Blogs are the natural for librarians. These are an extension of what we already do: identify, organize, and make information accessible in libraries. They give us an opportunity to be more responsive, to reach out to the faculty and. Blogs are a simple and efficient way for librarians to stay informed and for libraries to disseminate information in a timely manner. Like other development, the Blog is also approaching library science to think about its uses. Blogging is also becoming a fast cornerstone tool in the online dissemination and consumptions of information Dhiman, A. K. (2008).

Through the use of blogs, it is suggested that teachers and learners are becoming empowered, motivated, reflective and connected practitioners in new knowledge environments. It is this visual representation, incorporating other such features as links, comments, taglines, archives, permanent links, blog-rolls and more which has largely dominated discussion about the nature of blogs and their potential use. Farmer, J., & Bartlett-Bragg, A. (2005).

OBJECTIVES OF THE STUDY:-

The main objectives of this study are given below:

- A) To explain the process of making of hyper-link-lists (Blogs).
- B) To know the strength of page-views of each link lists (Blog) by countries.
- C) To know the page-views through the internet browsers.
- D) To know the page-views through the internet operating systems.

METHODOLOGY:-

The methodology used for present study is survey based, results collected from the status of audience of each blog which is courtesy of Google's, such as: page-views by countries, page-views through browsers and page-views through operating systems (OPS) of following six:

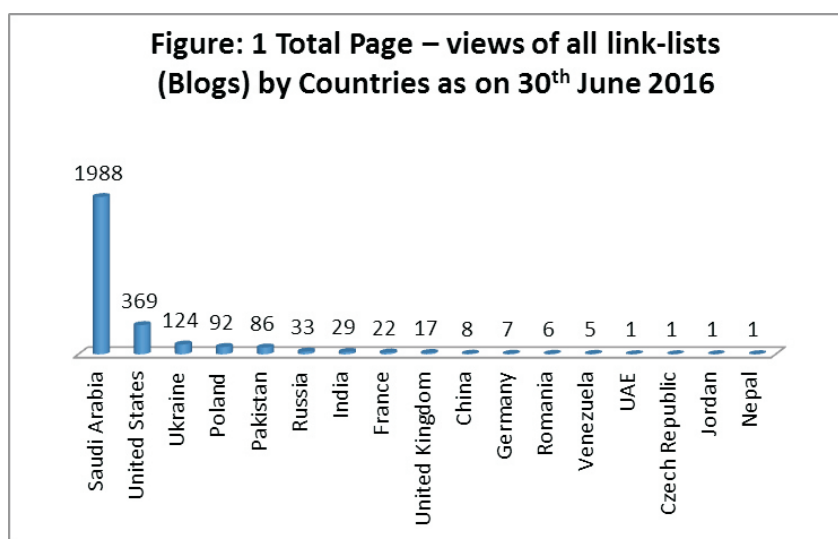
- 1) <http://camsrespiratory.blogspot.com>
- 2) <http://camscslpelibrary.blogspot.com>
- 3) <http://camsems.blogspot.com/>
- 4) <http://camsecardiology.blogspot.com;>
- 5) <http://radiologylibrary.blogspot.com;> and
- 6) <http://coamsanesthesia.blogspot.com;>

RESULTS

It is revealed in table 1, that 1873 (70.90%) page-views by the Kingdom of Saudi Arabia from 2804 page-views of all link list blogs (Digital libraries), 369 (13.79%) by United States America, 124 (4.64%) by Ukraine, 92 (3.44%) by Poland, 86 (3.21%) by Pakistan, 33 (1.23%) by Russia, 29 (1.08%) by India, 22 (0.82%) by France, 17 (0.64%) by United Kingdom, 8 (0.30%) by China, 7 (0.26%) by Germany, 6 (0.26%) by Romania, 5 (0.22%) by Venezuela, 1 (0.19%) by respectively United Arab Emirate, Czech Republic, Jordan, and Nepal from the 2804 page-views.

Table: 1 Page – views by countries as on 30th June 2016

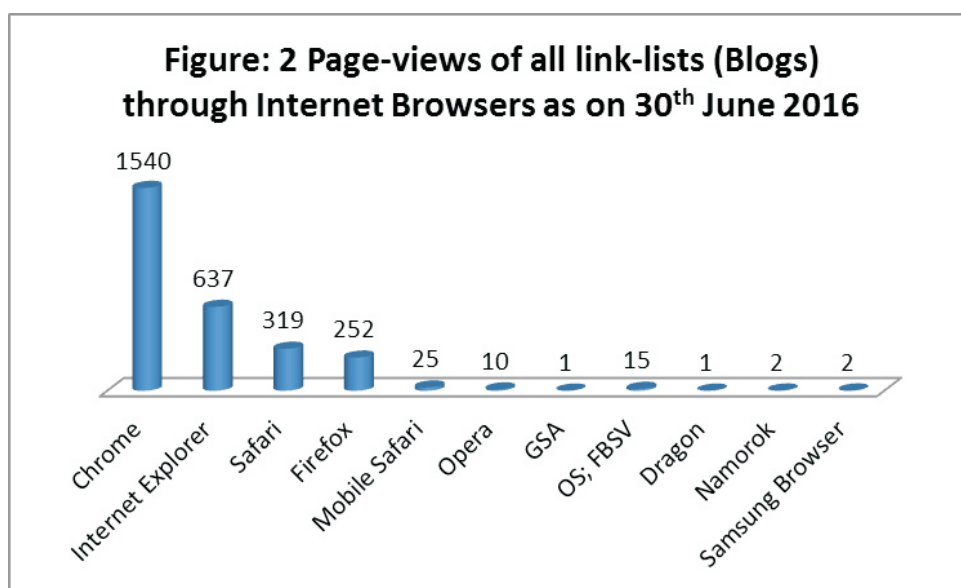
| Countries | RT | CLSP | EMS | Cardiology | Radiology | Anesthesia | Page-views with % |
|--------------------------|---------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------------|
| Kingdome of Saudi Arabia | 624 (73%) | 563 (69.4%) | 340 (80.19%) | 276 (60.53%) | 70 (54.26%) | 115 (89.15%) | 1988 (70.90%) |
| United States of America | 85 (9.94%) | 134 (16.52%) | 63 (14.86%) | 82 (18%) | 5 (3.88%) | 5 (3.88%) | 369 (13.79%) |
| Ukraine | 59 (6.90%) | 9 (1.11%) | 3 (0.71%) | 53 (11.62%) | (0.00%) | (0.00%) | 124 (4.64%) |
| Poland | 24 (2.81%) | 68 (8.38%) | (0.00%) | (0.00%) | (0.00%) | (0.00%) | 92 (3.44%) |
| Pakistan | 20 (2.34%) | 12 (1.48%) | 4 (0.94%) | 13 (2.85%) | 37 (28.68%) | (0.00%) | 86 (3.21%) |
| Russia | 9 (1.05%) | 12 (1.48%) | 5 (1.18%) | 5 (1.10%) | 2 (1.55%) | (0.00%) | 33 (1.23%) |
| India | 10 (1.17%) | (0.00%) | 3 (0.73%) | 4 (0.88%) | 12 (9.30%) | (0.00%) | 29 (1.08%) |
| France | 12 (1.40%) | 6 (0.74%) | (0.00%) | 4 (0.88%) | (0.00%) | 9 (6.98%) | 22 (0.82%) |
| United Kingdom | 5 (0.58%) | 3 (0.37%) | (0.00%) | 8 (1.75%) | 1 (0.78%) | (0.00%) | 17 (0.64%) |
| China | (0.00%) | 4 (0.49%) | 4 (0.94%) | (0.00%) | (0.00%) | (0.00%) | 8 (0.30%) |
| Germany | 7 (0.82%) | (0.00%) | (0.00%) | (0.00%) | (0.00%) | (0.00%) | 7 (0.26%) |
| Romania | (0.00%) | (0.00%) | (0.00%) | 6 (1.32%) | (0.00%) | (0.00%) | 6 (0.26%) |
| Venezuela | (0.00%) | (0.00%) | (0.00%) | 5 (1.10%) | (0.00%) | (0.00%) | 5 (0.22%) |
| UAE | (0.00%) | (0.00%) | 1 (0.24%) | (0.00%) | (0.00%) | (0.00%) | 1 (0.19%) |
| Czech Republic | (0.00%) | (0.00%) | 1 (0.24%) | (0.00%) | (0.00%) | (0.00%) | 1 (0.04%) |
| Jordan | (0.00%) | (0.00%) | (0.00%) | (0.00%) | 1 (0.78%) | (0.00%) | 1 (0.04%) |
| Nepal | (0.00%) | (0.00%) | (0.00%) | (0.00%) | 1 (0.78%) | (0.00%) | 1 (0.04%) |
| Total Page-views | 855 | 811 | 424 | 456 | 129 | 129 | 2804 |

Figure: 1 Page – views of all link-lists (Blogs) by Countries as on 30th June 2016

It shows in table 2 that, Google Chrome acquire 1540 (54.92%) from 2804 of page-viewing, as respectively Internet Explorer 637 (22.72%), Safari 319 (11.38%), Firefox 252 (8.99%), Mobile Safari 252 (8.99%), OS; FBSV 15 (0.53%), Opera 10 (0.36%), GSA 1 (0.04%), Namorok 1 (0.07%), Samsung Browser 1 (0.07%) and Dragon 1 (0.04%) as collectively from 2804 page-views.

Table: 2 Page-views of link-lists (Blogs) through the Internet Browsers.

| S. No | Browser Name | RT | CLSP | EMS | Cardiology | Radiology | Anesthe-siology | Total |
|-------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| 1 | Chrome | 347 (38.90%) | 522 (65.79%) | 276 (63.45%) | 258 (52.44%) | 107 (74.31%) | 91 (70.54%) | 1540 (54.92%) |
| 2 | Internet Explorer | 265 (29.71%) | 162 (19.31%) | 80 (18.39%) | 123 (25.00%) | 7 (4.86%) | 1 (0.78%) | 637 (22.72%) |
| 3 | Safari | 169 (18.95%) | 181 (9.65%) | 50 (11.49%) | 16 (3.25%) | 3 (2.08%) | 32 (24.81%) | 319 (11.38%) |
| 4 | Firefox | 96 (10.76%) | 35 (4.17%) | 26 (5.98%) | 87 (17.68%) | 8 (5.56%) | 3 (2.33%) | 252 (8.99%) |
| 5 | Mobile Safari | 11 (1.23%) | 6 (0.72%) | 2 (0.46%) | 0.00% | 6 (4.17%) | 0.00% | 25 (0.89%) |
| 6 | OS; FBSV | 0.00% | 0.00% | 0.00% | 4 (0.81%) | 11 (7.64%) | 0.00% | 15 (0.53%) |
| 7 | Opera | 4 (0.45%) | 2 (0.24%) | 1 (0.23%) | 3 (0.61%) | 0.00% | 0.00% | 10 (0.36%) |
| 8 | GSA | 0.00% | 1 (0.12%) | 0.00% | 0.00% | 0.00% | 0.00% | 1 (0.04%) |
| 9 | Namorok | 0.00% | 0.00% | 0.00% | 0.00% | 2 (1.39%) | 0.00% | 1 (0.07%) |
| 10 | Samsung Browser | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.55% | 1 (0.07%) |
| 11 | Dragon | 0.00% | 0.00% | 0.00% | 1 (0.20%) | 0.00% | 0.00% | 1 (0.04%) |
| 12 | Total % | 892 (100.00%) | 839 (100.00%) | 435 (100.00%) | 492 (100.00%) | 144 (100.00%) | 129 (100.00%) | 2804 (100.00%) |



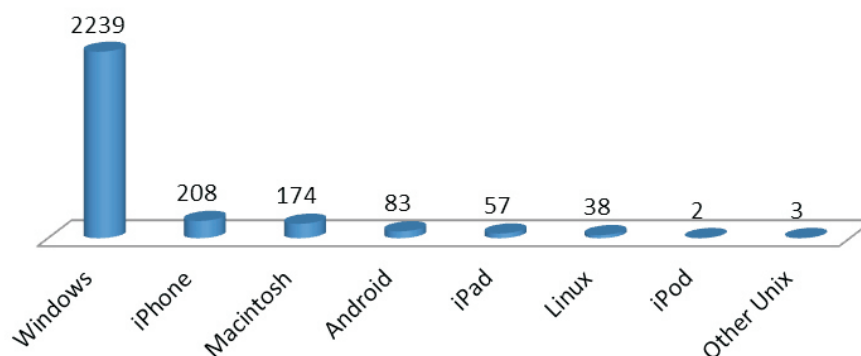
The results of table 3 shows that 2239 (79.85) page-views by Windows operating system from

2804 page-views, iPhone 208 (7.42%), Macintosh 174 (6.21%), Android 83 (2.96%), iPad 57 (2.03%), Linux 38 (1.36%), iPod 2 (0.07%) and Other Unix 3 (0.11%) Internet Operating Systems (OPSs) used for page-views of link-lists (Blogs) from 2804 page-views.

Table: 3 Page-views of all link-lists (Blogs) Through Internet Operating Systems.

| S. No | OPS Name | RT | CLSP | EMS | Cardiology | Radiology | Anesthesiology | Total |
|-------|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| 1 | Windows | 612 (71.58%) | 715 (88.16%) | 345 (81.37%) | 407 (89.25%) | 74 (57.36%) | 86 (66.67%) | 2239 (79.85%) |
| 2 | iPhone | 129 (15.09%) | 16 (1.97%) | 12 (2.83%) | 11 (2.41%) | 8 (6.20%) | 32 (4.81%) | 208 (7.42%) |
| 3 | Macintosh | 48 (5.61%) | 53 (6.54%) | 41 (9.67%) | 30 (6.58%) | 1 (0.78%) | 1 (0.78%) | 174 (6.21%) |
| 4 | Android | 31 (3.63%) | 2 (0.25%) | 6 (1.42%) | 4 (0.00%) | 36 (27.91%) | 8 (6.20%) | 83 (2.96%) |
| 5 | iPad | 25 (2.92%) | 11 (1.36%) | 11 (2.59%) | 4 (0.88%) | 6 (4.65%) | 0.00% | 57 (2.03%) |
| 6 | Linux | 8 (0.94%) | 11 (1.36%) | 9 (2.12%) | 4 (0.88%) | 4 (3.10%) | 2 (1.55%) | 38 (1.36%) |
| 7 | Other Unix | 2 (0.23%) | 1 (0.12%) | 0.00% | 0.00% | 0.00% | 0.00% | 3 (0.11%) |
| 8 | iPod | 0.00% | 2 (0.25%) | 0.00% | 0.00% | 0.00% | 0.00% | 2 (0.07%) |
| 9 | Total View-pages through OPS % | 855 (100.0%) | 811 (100.0%) | 424 (100.0%) | 456 (100.0%) | 129 (100.0%) | 129 (100.0%) | 2804 (100.0%) |

Figure: 3 Total Page – views of all link-lists (Blogs) through Internet Operating Systems as on 30th June 2016



DISCUSSION & CONCLUSION:

It is a common understanding and says by people that; Google is a big library, yes it is true but handling a library requires skills and competencies. The library of College of Applied Medical Sciences King Saud bin Abdulaziz University for Health Sciences Riyadh has an opportunity for accessing of above 55 databases, thousands of medical and allied medical journals, e-books, video tutorials and images from commercial digital library named Acknowledge Database in the campus and through Virtual

Private Network (VPN) Service. The time table of classrooms and duty assigned at the hospital show the tight schedules of students and faculty members of CAMS. It is revealed in this study that 1873 (70.02%) of page-views by the Kingdom of Saudi Arabia from 2804 page-views. An idea of creating supportive information service is run. It is revealed that the accessing of these link-lists (Blogs) by major Countries of the world, and this study also shows that these link-lists (Blogs) is fulfilled a major purpose and very useful for every kind of internet browsers & operating systems, and can be accessing from other geographical locations. Add Gadget one of the 28 modules of blogging, support librarians to make separate shelves of knowledge or subjective libraries where user reach easily for saving his / her time. It is suggested to all library professionals that they can use this activity in their domain to support their users, Google is blessing to those who are good for Earth and Human Kind.

Disclaimer: we use web links as link-lists of websites in Blogs only for use as subjects oriented information for support researchers on the way of time saving and non-profit

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