

Encouraging Effects And Techniques To Promote Uses Of Easy Library Consortium**PritigyaTomar , Dr.Arun Modak****Research Scholar, Associate Professor****Department Of Library And Information Science****Sri SatyaSai University Of Technology & Medical Science****Sehore****Bhopal****(Received:10October2022/Revised:20October2022/Accepted:30October2022/Published:5November2022)****Abstract**

University libraries accumulate print statistics assets together with books and journals in addition to digital statistics assets to guide teaching, gaining knowledge of and studies and additionally facilitate information dissemination. This explains why diverse library offerings were evolved to sell and facilitate powerful use of recorded statistics in all codecs with the aid of using users. This paper examines the assets to be had and offerings supplied with the aid of using the University of Science and Technology Library. The method used became data on files, interviews and observations. It concludes that during spite of library finances cuts, college of technological know-how and generation library has made systematic efforts in selling powerful use of its assets with the aid of using its users. It then makes pointers to facilitate the extra powerful and green use of college of technological know-how and generation library assets.

Keywords:Library Facilities, Information Resources, UserInformationNeeds,UserSatisfaction,UniversityLibraries**Introduction**

Students, academics and researchers in instructional establishments depend on libraries to offer the statistics they want in assist of teaching, learning, studies and know-how dissemination, that's a essential cause for the an educational library to be powerful, it wishes to discover the critical courting among libraries and its customers, specializing in growing and dealing with dependable sources and offerings. An powerful instructional library additionally gives Information Communication and Technologies (ICTs) provider that aids well timed transport of statistics in reaction to customers' wishes. The effectiveness of library sources and offerings may be measured in numerous ways. Ene (1978) states that "libraries are judged via way of means of set objectives: [and] utility of set requirements to degree the pleasant of operations." On the alternative hand, we will use each qualitative and quantitative strategies in figuring out the effectiveness of a library. Irrespective of whether or not the effectiveness is quantitative or qualitative, parameters are set to be judged via way of means of customers, who're withinside the first-class function to assess the effectiveness of the library. Students, college individuals and researchers of instructional establishments need to

have an hobby in comparing library sources on account that they're furnished to fulfill their statistics wishes. The effectiveness of a library is likewise gauged or assessed via way of means of its sources human and cloth and the offerings it gives thru those sources. There is consequently the want to often examine library offerings via way of means of the to be had sources. For this cause maximum college libraries have series improvement guidelines which they adhere to. This is due to the fact a machine of statistics is applicable handiest if it provides get admission to to the proper form of documents. According to Nwalo (1997) the library effectiveness is measured in phrases of the delight expressed via way of means of its customers. Libraries are one of the maximum vital steps withinside the studies technique and with the proper sources and offerings; instructional librarians can provide pupils a exceptional benefit in phrases of genuine statistics. Fabunmi (2004) describes library effectiveness as along with statistics custom designed to fulfill person wishes. He additionally states that powerful library structures are well timed in transport, meet their unique wishes, are smooth to understand/use, and are added via way of means of courteous and informed staff. Effective libraries discover particular concerns for series improvement and introduction of statistics literacy preparation in assist of its unique organizations of customers along with undergraduate and graduate students, professors, academics, touring pupils and researchers.

TheDevelopmentOf University Of Science And TechnologyLibrary

The delivery of The University Of Science And Technology Library Dates Back To 1951. With The Promulgation Of The College Of Technology, Science And Arts Ordinance (No. 19 Of 1951)[Note 10], The Teacher Training College At Achimota, Accra, Was Moved To Kumasi And Its Accompanying Library Formed The Nucleus Of The Present Library At University Of Science And Technology, Kumasi. Initially, the Library become housed in brief prefabricated homes on the Biological Science Department. However, in April 1961, it moved from the brief constructing to the prevailing everlasting and enforcing site (Osei, 1996). The University Of Science And Technology Library now serves six (6) Colleges. These are the College of Art and Social Sciences, College of Engineering, College of Architecture and Planning, College of Agriculture and Natural Resources, College of Science, and College of Health Sciences. Each of those faculties has a library headed via way of means of a College Librarian. The foremost library recruits group of workers College Libraries, specially journals subscribed below the Association of Commonwealth Universities (ACU) scheme. Since best unmarried copies are allowed to be subscribed, all of the journals are ordered and processed and displayed on the Serials Department. However, Faculty

individuals and College Librarians are concerned within the selection. University Of Science And Technology Library is one of the principal instructional libraries in Ghana with a complete series of documents, especially within the fields of technological know-how and technology. This is improved via way of means of the understanding and difficulty expertise of group of workers. The Library performs a key position within the instructional lifestyles of the University. This position is exactly and in basic terms educational. It acquires and gives the sources for the pursuit of expertise, and serves as a supply of statistics to college students and the instructional and non-instructional group of workers mainly, for the series, evaluation, interpretation and dissemination of expertise. The statistics sources, each print and digital, (along with serials, bibliographies, indexes, abstracts and different associated materials) offer important historical past expertise for teaching, learning, studies and expertise dissemination. Currently, University Of Science And Technology Library Is A Member Of The Consortium Of Academic and Research Libraries in Ghana (CARLIGH) which gives digital statistics sources for its individuals at a fee. Some of those sources are HINARI, AGORA, EBSCO HOST, Emerald, Blackwell/Wiley and others. As a fully-fledged instructional branch within the University structure, the expert group of workers of the University Of Science And Technology Library holds academically-associated grades. The Library is headed via way of means of a University Librarian, who's assisted via way of means of a Deputy Librarian. There are 17 different specialists of whom 3 are Senior Assistant Librarians. Every College has a certified librarian who manages its Library. While they may be immediately accountable to their Provosts for the daily management of the College Libraries, the College Librarians owe their recruitment and supervision to the University Librarian. A college library is a carrier organization and the Quality of Its Service Depends Primarily at the Quality of Its Resources and Staff. To This End, the University Of Science And Technology Library Places A High Premium On The Professional Competence, Scholarship And Calibre Of Personnel In The Recruitment Of Professional group of workers. On appointment, ordinary schooling programmes are installed region to hold them academically and professionally enriched and active.

CollectionDevelopment

The predominant purpose of series improvement is to fulfill the statistics wishes of library customers and to make powerful use of them primarily based totally at the imaginative and prescient and assignment of the establishments worried. Traditionally, whilst statistics became commonly in print form, libraries had been pleasant recognized for ee-e book acquisition, organization, garage and retrieval. In current times, however, there were

multiplicities of codecs and reassets in use. Kennedy (2006) describes series improvement as encompassing interrelated sports worried with constructing and keeping library collections to serve the want and desires of customers. The Acquisition and Serials Departments Of University Of Science And Technology Library Have The Responsibility Of Acquiring Library Materials, Mostly Books And Journals For the University Library. Generally, substances are received thru purchasing, prison deposit, institutional alternate and thru donations. It is likewise required through postgraduate branch to accumulate from college students and deposit postgraduate theses to the Library. Some evaluation achieved through Ahenkorah-Marfo (2005) confirms that majority (75.5%) of University Of Science And Technology Library Collection Is Through Donations, Followed By Purchasing, Then Submission Of Theses And Finally By Legal Deposit. The Rising Cost Of Literature Is The Main Challenge Of Collection Development Which The University Libraries Especially In Developing Countries Have Faced For Many Years. Data From The Budget Office Of University Of Science And Technology Indicate That For A Period Of Five Years (2004-2009) The Allocated Budget For The Library Was 3%, But The Actuals Is Only 2%. This Has Therefore Led To A Situation Where The Percentage of ee-e book donated is better than books purchased. The situation, to a degree has adversely affected carrier to customers, considering the fact that books donated generally do now no longer fulfill person wishes as compared to books advocated through school and acquired through the Library. However, the print substances are being complemented with The ee-e book inventory of the University Library was 345,000 volumes, however after weeding, the cutting-edge inventory stands at 115,000 volumes of books and over 3,500 periodical titles, 360 of that are cutting-edge which includes a sizeable series of substances that the Library subscribes to regularly. Although there were ordinary price range cuts for the acquisition of books, it has now no longer affected the subscription to over 2 hundred magazine titles thru the Association of Commonwealth.

Registration OfUsers

Every member of the educational network is eligible to apply the Library for reference, however handiest registered participants have the privilege to borrow books and different applicable substances for registration, every person is given an identification card with his/her passport photo affixed behind, to permit him/her have get entry to to the Library series. Each registered member is likewise given a replica of the Library Guide, which affords trendy facts approximately the Library, which include its assets, guidelines and

policies and establishing hours. The Library has the richest series in technology and era withinside the complete of the Ashanti Region of Ghana. An interview with the University Librarian showed that, participants of the public, particularly withinside the Kumasi town are allowed to apply the assets withinside the Library even though it is supposed normally to serve the participants of the college network. Antwi (1989) argues that unauthorised customers pose a huge risk to the library series which include stealing and mutilation of substances. To take a look at this inflow of outsiders, college of technology and era has followed a coverage wherein positive classes of human beings considerably alumni of the college are granted permission to apply the library challenge to approval from the University Librarian. Currently the University Library has 17,097 registered participants out of a scholar populace of 26,000. This suggests that 65.7% of the scholars are registered participants of the Library which is a sign that scholars rely substantially at the assets and offerings of the Library.

Orientation/UserEducation

According to Fidzani (1998) an assessment of consumer schooling literature exhibits the significance of consumer schooling in instructional libraries. It is assumed that enhancing customers' understanding in their libraries' series and offerings will be a motivating aspect for extra utilization and extra needs at the library. Training withinside the use of facts ought to be a part of all college students' schooling and consequently ought to be an ongoing process. There is consequently the want for education withinside the use of libraries and facts offerings in any respect ranges of instructional institutions. At the post-graduate level, precise commands in strategies of looking and formula of clean requests and referencing are necessary.

Library orientation is a welcoming hobby and frequently paperwork a part of the college's orientation programme for first yr college students Agyen-Gyasi (2008). In instances past, college of technology and era library organised consumer schooling for all new college students withinside the shape of lectures observed with the aid of using demonstrations and guided excursions of the diverse departments withinside the Library: Lending, Photocopying, Ghana Collection, Reference, the United Nations, Theses, Women's Collection, Serials, World Bank series, and Electronic Information. This hobby aimed toward making the customers effortlessly locate and successfully maximise the usage of the sources withinside the Library.

According to Agyen-Gyasi (2008), the main venture dealing with college of technology and era Library is the way to organise consumer schooling extra successfully given the upward

push in pupil numbers, the restricted wide variety of expert workforce and the arrival of digital sources which has modified the facts landscape. However in 2006/2007, the University Science and era Library brought video presentation into consumer schooling, with a recorded model of the orientation programme for brand spanking new college students, withinside the shape of a DVD that changed the lecture. The purpose changed into to locate methods of higher teaching clean college students on the usage of the Library. Resource folks withinside the recorded orientation covered the University Librarian and Heads of the Cataloguing, Lending, Serials, Reference and Research, and Electronic Information Departments.

For college students to successfully use the sources, librarians want to train facts literacy abilities as a semester route for first yr college students. This will imply that by the point they're thru with this route, college students might be capable of get admission to and absolutely use the sources supplied with the aid of using the library successfully.

Borrowing Of Books

The Circulation Section holds 32,000 volumes of books which account for 27.8 % of the whole series of the University Library. Only books on this segment may be borrowed. The substances on this segment can be lent out to registered customers who're normally given debtors cards, and are consequently registered with the Library.

Below are the borrowing information for the diverse classes of workforce and college students of the University:

Table1: Borrowing Period For Categories Of Staff And Students Of The University

Categories	Number of Books	Period
Lecturers	15	1 Semester
Part-time Lecturers	10	1 Semester
Demonstrators	7	2 Semesters
Other Senior Members	7	2 Weeks
Postgraduate Students	7	2 Weeks
Undergraduate Students	5	2 Weeks
Senior and Junior Staff	5	2 Weeks

***Source: University Of Science And Technology Library Guide, 2009**

All users can renew borrowed books only once if these are not requested for by other users. This is to ensure that users do not monopolise certain books and to encourage them to consult other information sources, and also for other users to have access to such books.

Borrowing Pattern

Data collated at the Lending Department in Table 2 shows the quantities of books

borrowed within the last three academic years: 2006/2007 academic year recorded 3665, 2007/2008 recorded 4248, and 2008/2009 academic year had 4351 volumes of books respectively. Analysis of the borrowing trends shows engineering books are heavily borrowed, followed by Mathematics and Economics. History is the least, and it accounts for the fact that the number of students offering Engineering and Mathematics far exceeds those in History and other disciplines.

Table 2: University Of Science And Technology: Total number of Books Borrowed, 2006-2009

Academic Year	Engineering Books	Mathematics Books	Economics Books	History Books	Total
2006/2007	1414	1195	967	89	3665
2007/2008	2162	1187	845	54	4248
2008/2009	2229	1180	919	23	4351
Total	5805	3562	2731	166	12264

**Source: University Of Science And Technology Library Guide, 2006-2009*

Sanctions

Currently, the Library has imposed overdue fines at the rate of 10 Ghana pesewas, (7 US Cent) per day, and this increases to 20 Ghana pesewas (14 US cents) per day after a week and on and on till the books are returned. According to the Lending Librarian, the sanction tends to discourage users from unduly keeping books beyond the officially stipulated loan period. As a policy the University requires both staff and students to obtain clearance from the Library before they can be officially released by the University. Information gathered from the Lending Librarian indicates that this is a means to prevent users from leaving the University with library books.

Reference Service

The Reference Section shares lots of substances. These encompass reference reassets together with dictionaries, handbooks, manuals, yearbooks, directories, bibliographies and encyclopaedias. The Library acquires handiest one reproduction of a reference fabric if the fee is excessive. The gadgets within the Reference Section are handiest to be consulted through the customers within the Library. Lecturers, on application, are allowed to borrow reference substances for a restrained time if such substances are for use in a lecture or in class. The Reference Librarian and her team of workers are continually at put up to assist customers employ applicable courses within the Library. When the want arises she additionally directs customers to the assets of different libraries. Fortunately, because of smooth get right of entry to to facts from the substances supplied on this section, it has turn

out to be the primary factor of name through college students and academics whilst embarking on research. Basically it's miles closely utilized by the primary and the very last 12 months college students.

Photocopying Service

Photocopying is an essential component of Reader Services sports in college of technology and generation Library. It is appeared rather for ee-e book loans as it saves the scarce substances from getting misplaced in transit even as on the equal time maximizes the usage of the collection (Agyen-Gyasi, 2009). The number one intention of this provider is to inspire customers to make photocopies of library substances particularly the ones now no longer in stream in the copyright law. This is likewise supposed to deter unscrupulous customers from stealing or mutilating the library substances. It is in cognizance of this goal that the Library offers subsidy on library substances photocopied. According to Agyen-Gyasi (2009) the college of technology and generation Library photocopying charges seem uneconomical given the excessive fee of paper, toner, team of workers remunerations, fee of servicing the photocopiers and electricity, however they may be constant at low charges for strategic reasons, considerably to save you college students from casting off pages from the books. The excessive fee of books, the paucity of the ee-e book stock, and the below advanced interlibrary mortgage device have made photocopying a main method of get right of entry to to the restrained facts assets of the Library. The Library additionally regards the provider now no longer handiest as a equipped supply of facts to its shoppers however additionally as a way of lowering stress on and related vandalism in opposition to the ee-e book stock. The Library has heavy-obligation copiers. In 2008 the Department recorded 454 requisitions, 2009 it had 462 requisitions and 2010 as at April 25, 2010 it had recorded 296 requisitions. Photocopying offerings withinside the University Library is instead at the low facet because of consistent breakdown of the photocopiers and abnormal electricity supply.

ResourceSharing

According to Adzobu and Opare-Adzobu (2010) interlending is a longtime factor of library exercise the arena over. This is because of the reality that irrespective of how endowed libraries are, they're not capable of offer on-web website online all of the wishes in their purchasers. This is attributed to elements such as: Information explosion - the big amount of records being posted day by day withinside the world; The form of codecs wherein records is to be had; Increasing fee in obtaining records and generation to get admission to the numerous codecs Lack of knowledge in the usage of the generation (specially in growing

nations) Disparities among sources to be had to customers via way of means of purpose of geographic vicinity and or socio-monetary position; and The big variety of publications being supplied via way of means of institutions; now and again with out suitable provision of comfortably to be had and applicable direction substances. These have forced libraries to optimize the usage of their character sources thru networking. This presents them the manner to clear up the hassle of insufficient provision of their neighborhood situation. In this regard college of technological know-how and generation Library dietary supplements its sources and centers with the ones of different libraries. It obtains guides, thru inter-library lending, from a few college libraries for involved instructional group of workers of the University. The libraries patronized consist of University of Ghana, Legon, University of Cape Coast and University of Mines at Tarkwa. Because of the threat concerned in sending books thru the post, the Library continually arranges to accumulate and go back substances from different libraries thru non-public contacts. This approach is high priced and has hence decreased the efficacy of acquiring applicable guides thru inter- library lending. The University Of Science And Technology Library additionally encourages its registered purchasers to make direct use of different libraries specially sister college libraries. The Library consequently offers introductory letters to involved purchasers to facilitate the usage of the sources of such libraries. Our purchasers are cautioned to ahead the titles they seek advice from in different libraries to the University Library to permit the Library accumulate such substances in future. This is to make sure that greater centers are to be had for the use via way of means of the customers of the Library at a later period. The digital generation has necessitated the adoption of progressed and quicker media. Electronic records transport has additionally contributed a wonderful deal to gaining access to of records sources out of doors the library. With this approach of file transport, different sources consist of books, journals and different media, pictures, magazine articles can be scanned and despatched as electronic mail attachments. All those have facilitated and speeded up inter-lending.

ElectronicResources

The University Library has an Electronic Information Department, which has access to over45 online databases on various subject fields from EBSCO HOST, EMERALD, JSTOR,HINARI,AGORA,SAGEandotherstoservethe needs oftheusers. Statistical figures provided by the Electronic Information Department of the University Of Science And Technology Library(Table 2below), showthatmembersoftheuniversitycommunityuse these resources. For example, in the year 2005 the total downloads from all the databases was 7,870, thisincreased in 2006 to 68,563, and further increased to 197,704 in 2007. In 2008

the number of downloads decreased to 84,606. The Librarian in charge of this department attested that the decrease was as a result of intermittent disruption of electricity and internet connectivity for a period of six months. The most used database was the Emerald insight where for example in 2007, the total downloads was 126,660. This may be due to the fact that majority of the postgraduate students who used these databases read social science courses, which Emerald specialises in.

Table 2: Electronic Resources Usage Statistics Of Databases In The University Of Science And Technology Main Library from 2005-2009.

No	Database	Year/No. Of Full Text Documents Accessed				
		2005	2006	2007	2008	2009*
1	Institute of Physics	77	87	193	213	697
2	Annual Review	67	132	653	856	30
3	Beech Tree Publishing	-	-	36	122	2
4	National Academic Press	-	23	78	101	9
5	Mary Ann Liebert	-	354	308	856	93
6	Geological Society	-	-	-	43	6
7	JSTOR	-	4161	23,945	22,479	26,655
8	Nature Publishing	-	-	344	474	76
9	Oxford University Press	273	658	567	669	59
10	University of California	-	-	332	298	32
11	Royal Society Journals Online	-	-	-	-	-
12	Royal Society for Chemistry- RSC Archives	46	352	444	494	23
13	Cambridge University Press	-	386	947	567	89
14	KITSDI	-	-	-	67	44
15	Access to Global Online Research in Agriculture (AGORA)	789	10,989	13,563	13,856	342
16	Health Internet Network Access to Research Initiative (HINARI)	216	8,530	9,009	11,085	88
17	Online Access to Research on the Environment (OARE)	-	-	-	977	33
18	EBSCO	2,188	1,592	2603	2214	388
19	Emerald insight	3577	36,980	126,660	7,022	9,442
20	Boimedical Central	-	-	733	874	32
21	Directory of Open Access Journals (DOAJ)	-	884	8,755	8,064	73
22	Blackwell Synergy	-	1,401	3,673	3,895	-
23	Wiley and Sons	4	47	87	44	-
24	Blackwell-Wiley	-	-	-	109	34
25	African Journals Online	65	89	1,018	1,087	17
26	British Library Document Supply Centre	247	955	-	-	-
27	Electronic Development Information System (ELDIS)	321	453	1,986	3,477	75
28	Scientific Electronic Online (SciLEO)	-	-	859	3,985	9
29	Science and Technology Information System (SIST)	-	489	911	678	11
	Total Downloads	7,870	68,562	197,704	84606	2718

The Library is a member of the CARLIGH. The vision of CARLIGH is to be a centre of excellence in providing recorded knowledge in all formats especially electronic, for teaching, learning and research activities in Ghana. Its focus is to pull resources together by negotiating and subscribing to electronic resources for the benefit of all members.

CARLIGH has successfully negotiated licensing agreements for over 40 selected databases and 20,000 e-journals for users of some academic and research libraries in Ghana. Each institutional member pays annual membership and subscription fees of GH¢500 (US\$380) and US\$4500 respectively.

Institutional Repository (IR)

Institutional Repository (IR), in step with Lynch (2003), a fixed of offerings offers (sic) to the participants of a network for the control and dissemination of (completed) virtual studies substances created through the group and its network participants . The following are a number of the advantages of IRs: Increase within the visibility, use and effect of University Of Science And Technology studies output worldwide, due to the fact it's miles on open get right of entry to and you may get right of entry to it via the main seek engines; Provision of a crucial vicinity in which all University Of Science And Technology studies output is archived permitting short and clean get right of entry to; Effective manner of sharing studies statistics with the arena considering that it's miles totally on loose get right of entry to and so establishments which have restricted investment and so can't keep a library series also can have get right of entry to to crucial statistics; Brings approximately international researcher collaboration; and Each object has its personal URL to permit clean get right of entry to. It is largely an organisational dedication to the stewardship of those virtual substances, which include long-time period protection in which appropriate, in addition to corporation and get right of entry to or distribution (Lynch, 2003). This set of offerings consists of the series, garage and protection, in virtual format, and retrieval of gadgets submitted to the repository. As growing quantity of studies and scholarship exists in virtual form, amassing and retaining those substances serve a couple of purposes. In UK and some place else in Europe, America, Australia and South Africa all pleasant universities have institutional repositories. In Ghana, University Of Science And Technology is the best educational group with an institutional repository. This facility changed into delivered in February 2009 and changed into supported through the Association of African Universities (AAU). The AAU donated a server and a scanner to the Library for the putting in of the platform for the project. According to Asamoah-Hassan (2010), the University Of Science

And Technology IR is a tempo setter within the West Africa sub-place being one of the 3 and the only with the very best variety of entries as at February 2010. It can consequently be stated that IRs which can be deliberate through establishments within the sub-place are probable to appearance as much as it for steorage to be able to keep away from steeply-priced errors that can have an effect on their take off and effectiveness. The University Of Science And Technology IR has been controlled through the Library considering that February 2009. The facility is presently getting used specially through college participants and post-graduate students. Figures on the Theses Section display that 60% of customers who request for hardcopies of theses retrieved the summary from the University Of Science And Technology Institutional Repository. This has consequently decreased the strain worried in flipping via the listing of theses on brittle sheets of paper.

Conclusion

Obtaining records speedy is the principle situation of the customers who need their library to be state-of-the artwork and conscious of their needs. Therefore the want to recognize the dynamics of provider transport and make honest tries for customers to in a timely fashion get admission to their assets and to make powerful use of them is vital. The workforce of college of technology and era library ought to be involved with how properly the library performs. They have to remember how the library should utilise the restricted assets to be had to obtain an powerful degree of provider to the college community. In spite of inadequate funds, college of technology and era library has made aware efforts at rendering powerful provider to its customers. On the whole, the generality of customers had been very cooperative in the use of the to be had assets and offerings supplied via way of means of the college of technology and era library.

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