Role of Smart Librarian in Smart Library for E- Library Services in Academic Libraries of Kolar District: A Study

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ABSTRACT

The maneuver of libraries occurs through three tier –modernization, automation and digitization. A quick library is an message centre with meshwork of many libraries and their office in a larger informational ecosystem around the orb. Smartness slavish that the unraveling of modern library e-weapon and avail are deliberate on the assessment of kingly expedient and users. Smart is more use-amicable than understanding. As every fresh exemplar, smartness sustain wager. In now's period, a library dress with 'dashy library' technology is to be admitting plentifully artless to library readers with no library stick. Technology fetters facilities for subdue and oversee of library buildings, conclude machinelike passage, lighting, car-office building, and any computers. The party of Smart Library demands three stuff i.e. Smart users, Smart Library stick and Smart Library benefit. Users are excluding more from the libraries particularly from the scholarly libraries not only for their mental consequence but also for their Time now instructive question which will sure thing extend Time by Time. The encore explain concisely low-level on suffer library, poignant office, dashy readers, stain benefit development 'showy librarians, office visibility, benefit orientation of quick scholarly library, support, characteristic, perception of Smart Library's, device for bump, showy arrangement, suffer library abode, showy contrivance, poignant library personnel, raw library construction, quick librarians and their e-office in digital period. This newspaper is nicely speculation supported notes which is portray by subcreator pinpointed concerning suffer library.

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KEYWORDS: *Academic Library, Smart Librarian, Smart Library, e-Services.*

INTRODUCTION

The Smart Library is a library without a separate purgative lending hint on the defer, without packet in print, library without defer, proper abundant cooled servers, whirring digital archives associated through digital reticulation with bicycle for copying and apportionments. The Smart Library is that any personify who has a information processing system and coherence to the library plexus can accessibility not only the resort of that library but also a difference of instruction profitable through general and international plexus likely internet and intranet without being physically

deliver in the library. The library is weigh as employment of assembled intelligence for the sharp readers in any extent of interest. After idea of Internet, the library collections and benefit have dynamical turn.

Academic institutions are the superstructures of this partnership. And Library conventionality the very carpel of these institutions where it Acts of the Apostles as a imagination. The flower custom in library covers around the optimal use of track, office and benefit visibility. Two surpassing regulatory institutions in higher teaching such as UGC and NAAC are seriously disturbed concerning how to uncover standards of scholarly libraries. The poignant libraries are those libraries which are goods suffer readers, e-expedient, sharp position, Wi-Fi facilities with Green eco-environments and dashy avail, tart librarians. The sub creator solve here that the library where all handwriting are in digital provision in digital initialize, preserver in digital reformat and accessed through data processor with RFID facilities, banner international ILMS, federate investigate puppet, exploration implement, envelop-OPAC, Standard Digital Software (D duration/E-Print),Content Management software.

Concept of Smart Library

The idea of Smart Library is to sub serve all library office faster, emend and smartly to its extermination users through digital technology in dissimilar software applications with the prevent of Internet and Intranet. The informant courier here that Smart Library is library which is techno force with AI and Internet of Things supported avail purveyor to suffer readers. The Smart Library creates:

- creating of smart environment, Mobile access, new knowledge creation
- Active content, Adaptively, Smart technology of content formation
- Smart detection of knowledge, Smart interface (organization of interaction with the user)
- Smart services (e.g., personal informing, & Mobile applications usage

Vision of Smart Library

The sight of Smart Library is to produce an "intramural running prater", where readers and scholars can lay open, trial and personate dashy technologies, attack and psychoanalyze the composed data to impel out both qualitative and quantitative ponder also by ply other typify of artless spring software as and when enjoin therefore. The occasion penury to exact here that it is online trial core for readers and researchers on separate obnoxious and other library unreserved library software drive through which they get highest benefit with unbounded opportunity.

ELEMENTS FOR SMART LIBRARY

➢ High Speed Internet, Uninterrupted Power Supply, Meta Data

➢ RFID, Bar Code, Smart Card, plagiarism software, IR software,

➢ Wi-Fi /Li-Fi-premises of Library, ETD databases,

➢ Green Library Building, own library web site, library blog,

➢ Sound budget, Standard ILMS, e-library orientation

➢ E-resources(e-databases-books, e-journals-e-reference tools, CD, DVD, e-newspapers,)

➢ Good Scanner, Printer, digital Xerox machine, CC Camera, Sensor, library digital gate,

FUNCTIONS OF SMART LIBRARY

The main function of Smart Library is to make systematic development of the collections, store, and organize information and knowledge in digital form and provides easy and affordable access to it from various locations via internet. The basic functions of Smart Library are as:

➢ Provide web based library services to the readers and access to online learning materials

➢ Gives ICT-based access to a range of digitally available publications for educational purposes

RECENT MODELS FOR THE DEVELOPMENT OF SMART LIBRARY

To combat up with newly digital means and technological censure, LIS improved produce of fresh concepts for the e-supplies and support of inn and scholarly libraries. Some of these concepts had apples and were rewarding insofar as they suit such as

i. Information commons: It is manner to describe precise office and implement, e.g. library-supported obvious outburst daily and communicative valid digital libraries. It is a efficacious idea for the supplies and aid for all semblance of libraries. It abject every lecture will get complaint common from acquaintance/ message centered.

ii. Learning Centres: It should be centre place of institution/organization/heart of the city and well decorated in side resources and outside infrastructure which should be attractiveness and performance on campus, like learning commons, media commons and, above all, learning centres.

iii. Green Libraries: It is a library framed to minimize negative impact on the natural environment and maximize indoor environmental quality by means of careful site selection, use of natural construction materials and biodegradable products, conservation of resources (water, energy, paper), and responsible waste disposal (recycling, etc.). Green libraries are the part of the larger green library buildings & environmental issue.

iv. Global Library: The library products & services should be universal marketed to small or big libraries of nock and corners of world. This means that library management and marketing should develop a holistic approach ("global library").

DIMENSIONS OF SMART LIBRARIES

The SM has seven dimensions such as smart economy, smart mobility, smart environment, smart people, and smart living, and smart governance, Smart services. Out of seven dimensions, we have described here four prominent dimensions which are as i.e., smart services, smart people, smart place, and smart governance.

Smart Services: It is the first dimension which can be described as the application of the "spirit of innovation" of smart readers to the development of modern library services. The Smart Library services can provided to the readers through RFID , mobile and wireless access, remote assistance, semantic web, and AI, Internet of Things, machine translation, voice and image recognition, sensor, CCTV, natural language processing, augmented reality for delivering new experiences in enjoying cultural heritage etc. The Smart Library is an information hub connected with other libraries and urban services in a larger informational ecosystem. However, these innovative tools and services are smart only insofar as they are user friendly and user-cantered.

Smart Readers: It indicates smart living related to buildings and means, for instance, building monitoring and control, monitoring of electrical devices, personal safety, and a healthy environment for the staff, as well as for the public. The readers of SL should be flexibility, creativity, tolerance, cosmopolitanism, empowerment, and participation in public life. We can categorize two levels of

Smart readers: Smart community and production of knowledge. Smart community consists of smart citizen, user of SL services and staff of library. The library staffs are a part of smart people who controls production and analysis of information and data (data librarian) or to the control of discovery tools. The second level of smart reader's community can producer of new knowledge in Smart Library.

Smart Place: The third dimension refers to the library as a building and as a place. In a general manner, this dimension can be described as "smart environment" and environmental monitoring. The place should be technological as well as environmental smart so, that readers can seat comfortable and read smartly.

Smart Governance: The last dimension of the Smart Library is smart governance. It includes all library features that represents to the concept of "smart governance" in the state/country, which encapsulate, for instance, collaboration, cooperation, partnership, citizen engagement, and participation. The library user becomes stakeholder of the library and takes part in the library management and administration. The keyword of smart governance is collective intelligence, based on shared responsibilities between the library staff, the library community, and other institutions.

Smart Library Services

The following best smart library services can be applied in this context.

- Library Marketing & Promotion Service, Newsletter Services
- E-SDI , Bulletin Board, Discussion Forum, Start- Page
- Electronic Board Services, Atmospherics, Mash Ups, Linking different datasets
- Ask the librarian /Contac us / Feedback Process.
- Collaborative Digital Reference Services, Video Podcast
- E- Document Delivery Services, Institutionalization
- Virtual Library Tours, Streaming Media
- Value added, aggregator services, Open access publishing, Metadata schemas

Developing smart Librarians

The 'smart library' requires 'smart librarians. The library staffs prove themselves to improve the overall work environment within their organization, could libraries create an 'employer brand' aimed at projecting an image of the organization as a compelling place to work, develop a 'community of knowledge workers, a highly 'networked' team should be created. Here author's view is to develop good working culture with healthy environment.

Planning for impact

It is true that everyone is trying to fittest to survive in this smart technological era. It has to develop value-based service provider to the readers so that it has to make a plan. As per the author's point of view, every year the library should make a plan to provide innovative and new services which will be impact to the readers.

Advocacy

Librarians and libraries services have to increase the efficiency of existing services to release the resources and to introduce the new services needed in the 'smart library' and smart librarians. It advocates the following points such to encourage policy makers to better utilize libraries resources, influencing the decision makers' for sound budget to the 'smart librarians', communicating an understanding of libraries' role and impact in development to politicians and other decision makers. Nobody can develop a 'smart library' without its own 'smart' staff.

Cloud Service

It is a web based technology, which is a new form of computing. It is a service provided on the internet or network and a server based service, which is very helpful library in digital era. Library services can provide faster to the readers through cloud computing in area of acquisitions, cataloguing, process system, digital contents and provision for inclusion of cutting edge technologies used in libraries and also supports various standards such as MARC21, XML, Z39.50, Unicode and so on which directly related to library and information science field.

Service Visibility

The visibility of service of smart libraries is vital in service sector of library. The present time is marked by cut throat competition where Google or the concepts of Internet of Things is proved to be the tough competitor of library set up. In this context Libraries should walk extra mile to introduce various courses on information visualization, analytics and natural language processing in order first to counter this reality and then utilize its full potential. The future is of linking all open metadata in order to create an exhaustive linked union of open metadata. The library should be designed in a way to become a designing hub for linking open data and get the Optimum benefit out of linking open data. This data while linked can be used, reused and share for continuous researching and development.

Service Orientation of Smart Academic Library

The outlook of smart libraries should be global in nature. It should act as a production and facilitating cell for information production and duration. The information produced in these centres would strengthen the causes of open learning and creations of resources of commons. The Wikipedia can be used for alternative pedagogical practice. The MOOC (Massive Open Online Course) and DOCC-a feminist alternative to MOOC (Distributed Online Collaborative Course) are required to include in library services to address the need of new digitally molded generation. The service of the library is reckoned to be fruitful if the service provided should directly proportionate to the information generated from the library. The information thus generated should be openly shared with others.

New Identities of Smart Librarian

The new identities of the smart librarian in Academic library can be identified as:

➢ Library and Information Officer, Cybrarian, Information Manager,

➢ As a Search Intermediary/ Shifter of Information Resources/ Researcher

➢ Facilitator/Trainer, Knowledge Manager, Network Manager,

➢ As an Information Scientist/ Web Site Builder/ Publisher/Consultant

➢ As Information Architecture, As Interface Designer, As a Marketing Officer

➢ As an Information Specialist/ an IR Builder/ Initiator/ Collection Developer

➢ As an Information Provider from/in Internet, As a Resource Preserver

Require New Skills For Smart Librarian

In present e-era, library and information professionals owe much greater responsibility to be effective information professionals. Closer look at the existing skills of the challenges of today and tomorrow, they not only need to acquire wider range of skills but also need to keep themselves up-to date. Now Smart librarian needs to retain their flexible working, their openness to new ideas and their personal attention and caring approach to user needs. New e-environment demands that SL must have technical skills, IT skills and Managerial skills as the world is in transition.

Importance of NAAC and NBA towards Library

The two national important agencies of GOI have given importance digital library that to be innovative and be a philosophy, policy, strategy, program, process or practice. It has developed a set of best practices followed in academic libraries and presented under the following four broad areas:

➢ Management and Administration of Library, Collection and Services

➢ Extent of User Services, Use of Technology Following are the lay out in details regarding these points

Management and Administration of Library

- In-service Programmes, Maintenance of service area,

- Observation of other Library practice. Student participation programme.

- Resource Generation through external membership.

- Special deposit scheme, Staff promotional policy.

Collection and Services

- Collection development in different formats, Library book exhibition

- 365 days & 24 hours of service

Extent of User Services

- Information aids, Initiation to fresher's, Library best user award

- Library use statistics, Preparatory course for students project

- Suggestion box and timely response, User education

- User feedback practice through different formats, User orientation

Use of Technology

- Access to e-resources, Broadband internet centre, Free browsing unit -Internet access.

- Information retrieval through web OPAC, User feedback through library homepage

- Library homepage for information dissemination

The Role of Smart Librarians in Future Library

In the technological era, librarian has multifaceted role to play. These are as Knowledge manager, Multi media user, Intermediary, Enabler/facilitator and Team player

Future Smart Services

There are following ways to enhance future library services.

- Digital and systems library, Use of apps, E-books — exceeds expectations
- E-tool literacy, Library blog, Video & Downloadable Audio
- Library 2.0 presentation for the future of online library services
- Mobile optimized web site, Easy to use remote access
- MARC records for e-journals in the library catalogue, Youth Helping Youth

Application of Recent Advances

There are some applications of recent Advances for SLs which are mentioned as:

- Cloud computing, Web 2.0, E-Granthalaya 4.0, Greenstone, RFID
- Integrated Library Software : Evergreen, Koha, New Gen Lib, SOPAC, WEBOPAC
- D-Space, Greenstone, Wordpress
- Bibliographic reference tools-mendeley, Reference Manager, Zetero

CONCLUSION

Library in nutshell is the disciplined and associated store house of universe of knowledge. The confer thrust of digital puppet in everywhere has made it possibility to visualize data and information. This has opened a recent view for smart libraries. As disperse, the academic libraries of now are required to van brace for the rapid change in custom to go pertinent in this lifetime where any advertisement may be prevail from manifold sources. The Smart Library has four importance i.e., smart benefit, showy followers, lively position, and smart arrangement. The transit to SL will suppress some of the risks and hindrance of existing library systems. The implementation of a sufficiently functional Smart Library is possible through the hard implementation of person poignant mechanisms and / or smart cosine (providing personalized intelligence resources via personal computation). To declare intend here that there must one information resource centre in a glob where users can attack all emblem of resources.

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