

Information Architecture and Social Information Architecture: Valuable Domain for building Information Society- a Conceptual Overview

Prantosh Kumar Paul

FBAS,
Bengal Engineering and Science University,
Shibpur, WB, India.

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ABSTRACT

The amount is increasing day by day; the explosion of information is result of this increasing numbers. Caring and managing and measuring information is very much important for better information management and its real utilization. Information in today's age treated as power. Information is uses as Bricks to build our society. Information is most valuable tools in all most all type of organization and institution. The information needs a proper designing and structuring thus the concept and structure and principles of Information Architecture was evolved. Virtually, Information Architecture is the categorization of information in to a coherent structure. This paper is talks about Information Architecture; its characteristics, types and value with special reference to use of this in social sector. So, paper illustrates so many aspects of Social Information Architecture.

Keywords: Society, Community, Information, Information Infrastructure, Social Information Architecture, Information Technology, Information Management, Information Engineering, Social Development

I. INTRODUCTION

According to Wikipedia, Richard Saul Wurman, was coined the term in last of the 21st century. Information Architecture is an art as well as Science of exploring a model or concept of information use in activities which is needed details of complex systems. This is an important domain in all most all type of information domain such as Communication Science, Information Science, Library Science, Information Technology and some other domain it has wonderful role and importance [03, 06, 09]. As far as information system designing context is concerned, Information Architecture plays an important role and utilized as the analysis and designing of the data and information for several activities related to information systems building. Information Architecture is needed for overall information management and information organization.. This is also treated as the structural design of shared information environments [10].

II. OBJECTIVES

The main aim and objective of this paper is includes but not limited to as follows:-

- To find out general role of information and its value;
- To know basic about Information Architecture; its characteristics, types and features;
- To know important and value of Information Architecture;
- To learn about Social Information Architecture and its need in the field of Social Information Development;
- To learn about healthy practice of Social Information Architecture as far as contemporary context.

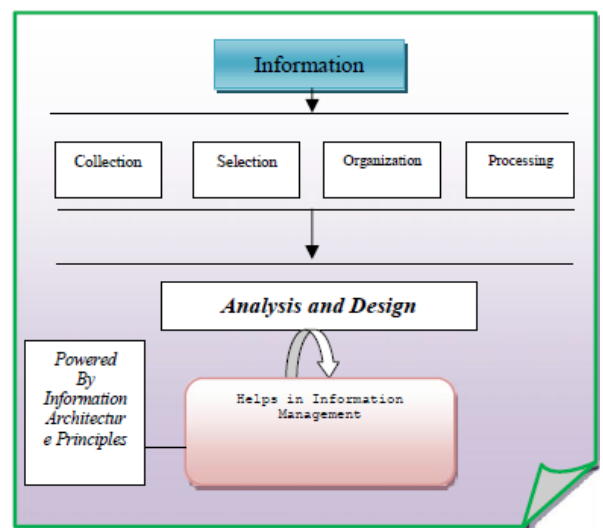


Fig: 1-Depicted General Information Activities and role of Information Architecture

III. INFORMATION ARCHITECTURE

Information Architecture is better to design based on knowledge organization and knowledge visualization. It is helps in manual indexing as well as in web and computing indexing. Information Architecture play an important role and helps in better Information Practice specially for categorization of information into a coherent structure, preferably one that the most people can understand quickly, if not inherently. Information Architecture is needed for Complex Problem solving and content management and Web Development, Database Development. Information

Architecture is needed for organizational information management and information processing [11, 12]. Though, the term was first utilized by the Information Scientist vastly [14, 18].

IV. INFORMATION ARCHITECTURE: NEED AND REQUIREMENT

Information Architecture is needed for so many profession and organizational practice; now let's look these briefly:-

- Information Architecture is needed in general information practice which includes collection, selection, organization and processing of information[19];

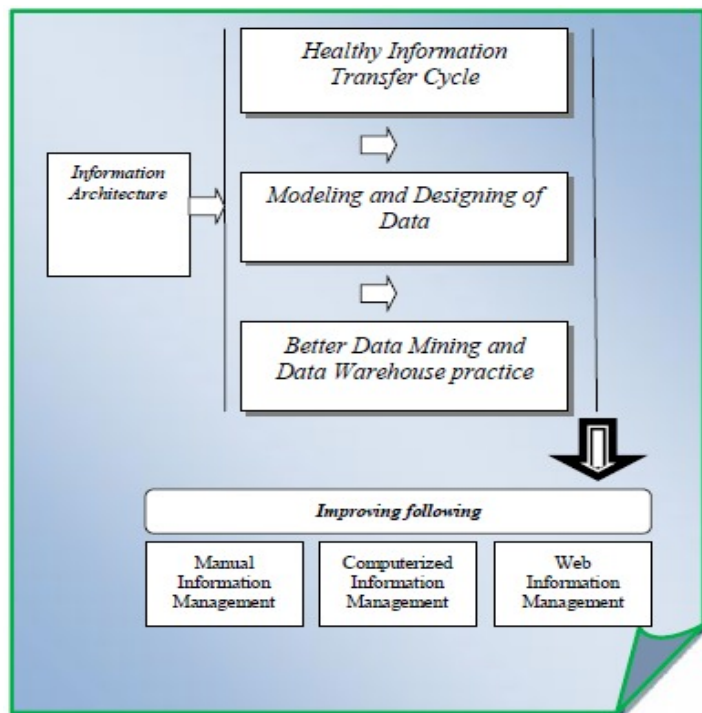


Fig: 2- Showing Information Architecture with technological affairs and better Informatics practice

- Information Architecture is needed for complex and unstructured data and information management;
- Information Architecture is needed for the analysis of data stored by Information Systems;
- It helps in primary data management which includes modeling of data for an individual database and to the corporate data models;
- Information Architecture is needed for better and healthy organization, structuring and designing of website and similar facet. However, apart from these, Information Architecture is also needed for labeling of websites;
- Information Architecture is helpful for large and big data management and complete Cloud Computing Practice;
- In Computing, Information Architecture is needed for better and healthy Data Mining and Data Warehousing practice[04, 22, 23];
- In community practice, Information Architecture is needed for better and healthy community based Information Systems designing and development; which includes Community Information Networks, Community Computing, Community Touch Screen an so on;

- It helps in better Information Visualization and Information Utilization.

V. SOCIAL INFORMATION ARCHITECTURE: BASICS AND FACTORS

Several aspects of IT and Information in relation to society may be fall under the category of Social Information Architecture virtually; Use and utilization of Information Architecture in respect of society and community may be treated as Social Information Architecture. Actually Social Information Architecture also treated as sub domain of the Information Architecture which deals conceptualization, modeling and organization of information in respect of society. . Now looks such fields and topic:-

- Social Media-like-
- Social Networking [*Such as Facebook, Orkut, Twitter*];
- Video Networking [*Such as You Tube*];
- Web 2.0 [*Such as Health 2.0, Medical 2.0, Pharmacy 2.0, Social Work 2.0, Politics 2.0, Education 2.0 and so on*].

However, Information Architecture in respect to community may be fall as small gradients of Social Information Architecture. Following are some examples of Community Information Architecture:-

- Use of Human Compute Interaction/ HCI based self run based Touch Screen Community Information Kiosk; which is helpful for collecting information and data by the common people;
- Creation of Information Systems and Information Networks for the Community with the title and scope of health, nutrition, society and so on. For example Nutrition Information Systems, Medical Information Systems and so on;
- Building Community based Mission based Information Networks such as on HIV/AIDS, Pregnancy and mother and child care systems and so on;
- Creation of Web 2.0 platform from Community of various topics [24].

Information Architecture has so many approaches, but out of which following are considered as most important and valuable:-

- The Architecture Model is a kind of internal space. This is a kind of Physical Information Architecture; this is also treated as Social Information Architecture[29];
- The Social Dialog and Information Model; which is actually external space. Almost all type of organization and institutions put importance for this model. This is a kind of Digital Strategy [30]. Social Information Architecture is practically a Social Conscious wing of Community Information Architecture.

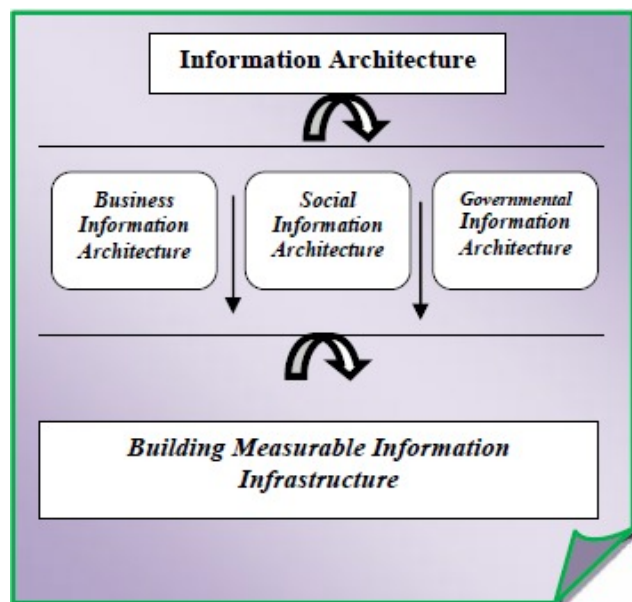


Fig: 3- Depicted Types of Information Architecture and

VI. CONCLUSION:-

Information is one of the important things now days and treated as valuable almost every where including healthcare, hospitality and Government, education, public administration and so on. Information Architecture is getting importance and value in almost all type of the organization and institutions as each organization depends on information; directly and indirectly. Information Architecture is uses in commercial as well as social space in many contexts [25, 27]. Social Information Architecture is helpful for digital divide and information divide removing. Building Information Society is many ways possible with healthy and sophisticated Information Architecture practice. Information and Knowledge Management and similar activities may gain properly with this tool. Technological world purely depends on such practices apart from Information Scientist; Technologist are dealing R/D works in this field.

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