Knowledge Management and Industrial Information Delivery

Prantosh K Paul¹ and K.S.Shivraj²

¹FBAS, Bengal Engineering and Science University, Shibpur, West Bengal, India
²K L University, Vijayawada, Andhra Pradesh, India
E-mail: prantoshkpaul@gmail.com

(Received on 13 December 2013 and accepted on 10 February 2014)

Abstract - Knowledge is the most important and valuable asset in today’s asset. The knowledge and information explosion changes the traditional scenario of knowledge transfer which includes collection, selection, organization, processing, management and dissemination. The large number of knowledge in industry, education, society, business, health care creates the need of knowledge management. In industry, information is needed in wide sector such as people, manager, supervisor, techniques, and professionals and so on; thus proper knowledge management technique is need to adopt in industries safety. This paper study the knowledge management its need and value and about industrial information delivery. Paper also highlights the challenges and opportunities of this sector.

Keywords: Knowledge, Knowledge Management, Information, Health Care, Industries, Corporate, Management Science, Information Science, HRM

I. Introduction

Knowledge Management is an important aspects and concept in the field of Information Science, Knowledge Management has the opportunities and right to provide information to the people at the right time. Knowledge Management has the opportunities and right to provide information to the people at the right time. Knowledge Management is an important creative value and intangible asset in the context of industry and business. Application and integration of Management or Management principles to the knowledge and information field is called Knowledge Management [01, 12]. Virtually, Information and Knowledge Management focuses on better and healthy information infrastructure which ultimately improve organization and administration more effectively. Knowledge Management is an initiative undertaken to harness the knowledge and experience of its people. Knowledge Management improves decision making in the organization and institution. The main aim and objective of Knowledge Management is also promoting knowledge growth, knowledge management keeping on regular updated record of who knows [13, 14].

II. Objectives of the Study

The main aim and objective of this study includes but not limited to as follows:

1. To know more about Knowledge Management; its characteristics and nature;
2. To know more about the need and value of Knowledge Management in general;
3. To know the benefits and role of Knowledge Management in organization and business sector;
4. To know more about health safety and need of information and knowledge in this field;
5. To learn more about the challenges and opportunities of Knowledge Management in healthy systems and so on.

III. Knowledge Management: Fundamentals

Knowledge Management helps in capturing documents and creating a context sensitive repository for healthy and sophisticated transformation of unstructured data and information. Knowledge Management basically takes the help of so many tools and technologies such as Database Technology, Information Retrieval System, Multimedia Systems, Networking and Communication Technology and so on[16, 17].
Knowledge Management integrated with approach of creation, capture, retention, accessing, sharing and leveraging of an enterprise and organizational information asset for business promotion. Knowledge Management is an importance practice for better information, knowledge, document management in the organization and institutions. Knowledge Management is an initiative undertaken to harness the knowledge and experience of its people. Knowledge Management is needed in so many organization and system like education and learning institute, business and commercial sector, health and medical system and sector, Government and Political Sector and so on. Virtually, Knowledge Management is a practicing domain which addresses the need for information that is required for making effective decision [18, 19].

Knowledge Management and Information centre

Knowledge Management is very much important and valuable tool for Information Centre and similar departments. Knowledge Management is needed for following reason:

a. It helps in decision making and product designing and so on;

b. To help in Service designing and similar activities;

c. Virtually, it creates knowledge enriched working environment as important and valuable tool for complete and sustainability development;

d. Knowledge Management powered Information Centre is to service the user with ample information using tools, techniques and methods of Knowledge Management;

e. Virtually, competitive advantages is possible with Knowledge Management and creates a healthy decision making system or Decision Support Systems[20];

f. Information Centre and similar foundation playing important role in the production, organization and utilization of knowledge;

g. Virtually, Industrial Information Management centre helps in so many aspects like quality management systems, information related to different projects;

h. Most updated tech enable system and contemporary information in several section;

i. High speed information systems and networks and sophisticated developments [21].

V. HEALTH SAFETY AND HEALTH INFORMATION

In industrial safety and health information, Knowledge Management plays an important and valuable role. Virtually, it helps in better and healthy environment in the healthy safety requires sectors; such as mining sector. Industrial Safety information may be classified as predictive information and knowledge and preventive information. As far as health safety is concerned, predictive information is needed to the primary management and organizational professional. Where as preventive information is needed to close people of health and safety professionals [22, 23, 24].

Knowledge Management is needed for the following professional aspects in industrial health and industrial safety. It is needed for the following purposes:

a. It is needed for coordinate or conduct worker training in several areas such as safety law, hazards condition and monitoring and so on;

b. Knowledge Management is needed for machinery, safety equipments in order to find out and correct potential problems and hazards;

c. It helps in activation of research and development in Health Technology, Make safety awareness among...
the organizational member and institute, support of industrial accident prevention projects[25];

d. Both explicit and tacit knowledge are needed for healthy and sophisticated health safety management and development. The recorded knowledge is also helps in immensely the safety professionals for their betterment in safe working condition[26];

e. To make a bridge between known and unknown;

f. Virtually, managing and disseminating that knowledge helps an organization to establish internal benchmark and create a motivated environment;

g. As far as safety Knowledge Management system is concerned, the documentary sources are includes manual, guidelines, standards, reports, safety data sheet, handbook, database web resources and so on;

h. Knowledge session may also fall under the category of Knowledge Management; and which is ultimately helps in safety suggestion, best practices, safety meeting, accident analysis, safety audit and so on[27];

i. Ultimately healthy Information and Knowledge Management keep highest safety standards, effective decision making, enriched productivity, innovation and so on;

j. Knowledge Management helps in public health, health policies, and accident prevention projects and so on.

Fig. 3 Depicted KM Applications in Health and Medical Sector

![Knowledge Management Applications](image)

Fig. 4 Depicted General and wider application of Knowledge Management principles

V. Conclusion

Knowledge is the most important asset in today’s organization. The number of information and knowledge are also increasing day by day. Knowledge Management is helpful in so many organization and institutions [28, 30]. Health and medical sciences today purely deals with information. Better and healthy information and knowledge system helps in sophisticated medical information system and which ultimately helps in public health and hygienic system. Knowledge Management principles will also helpful for making an overall evaluation of opportunities and risks in terms of Knowledge Management for the migration of industrial risk.

REFERENCES


Knowledge Management and Industrial Information Delivery

61 IJISS Vol.4 No.1 January - June 2014


