Editorial Preface

Special Issue on Knowledge Management

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Knowledge Management (KM) is an evolving discipline that is growing and becoming pervasive in many other disciplines. Initial KM research focused on the basis of KM; identifying the key goals of KM, specifying the knowledge artifact, and defining the components and characteristics of KM system (KMS). The ability to manage knowledge is crucial in today's knowledge economy. The creation and diffusion of knowledge have become increasingly important factors in competitiveness. More and more, knowledge is being thought of as a valuable commodity that is embedded in products (especially high-technology products) and embedded in the tacit knowledge of highly mobile employees. While knowledge is increasingly being viewed as a commodity or intellectual asset, there are some paradoxical characteristics of knowledge that are radically different from other valuable commodities. A good definition of knowledge management would incorporate both the capturing and storing of knowledge perspective, together with the valuing of intellectual assets. For example: Knowledge management is the deliberate and systematic coordination of an organization's people, technology, processes, and organizational structure in order to add value through reuse and innovation. This is achieved through the promotion of creating, sharing, and applying knowledge as well as through the feeding of valuable lessons learned and best practices into corporate memory in order to foster continued organizational learning.

Researchers have pretty much established the foundations of KM and moving towards new issues. Issues of Interest include the impact of culture and context on knowledge representation, storage and use; defining KM success; factors affecting knowledge transfer and flow; creating methodologies to assist researchers and practioners in the design of KMS; and applying KM to new contexts such as health informatics, military science, and crisis response and management. This volume represents research on the issues with the chapters outlined in the following section.

This special issue on Knowledge Management of IJWP consists of five papers. The first paper, entitled: "An Empirical Evaluation of Adoption and Diffusion of New ICTs for Knowledge Sharing in IT Organizations". This empirical study is aimed at identifying the critical ICT factors for enriching the knowledge sharing among employees through social media in IT organizations. The expected outcome of this study will be analyzing and establishing the causal relationships between the ICT influencing factors and knowledge sharing through social media.

The second paper: "Analysis Framework for Logs in Communication Devices." Logging is an important mechanism that is being used in almost all kinds of devices. It is used for tracking events during the running of a software. Log sizes can go from kilobytes to terabytes for which log analyzing tools are required. In addition to that, it should be capable of extracting all the relevant information

so that it becomes easy to highlight the ongoing issues in an effective manner. This paper proposes a dedicated analysis framework for deep log analysis in communication devices.

The Third paper: "Concept Identification Using Co-Occurrence Graph." In a community setting, Utilitarian Knowledge or "Knowledge that works" is routinely diffused through social media interactions. The aggregation of this knowledge is a divergent process, where common knowledge gets segregated into several local worlds of utilitarian knowledge. This paper proposes entity resolution based on co-occurrence graph and continuous learning, thereby eliminating the bottleneck of manual concept entry.

The Fourth paper: "Educational Data Mining and Recommender Systems Survey." Educational data mining is concerned with the application of statistics, data mining and machine learning techniques to information generated in Universities or other educational institutions. The authors present a survey of various data mining techniques and tools available for guiding stakeholders in educational setting such as students, instructors, etc. Specifically, the research work focus on recommender systems that recommends courses for students based on their educational needs.

The Fifth paper: "Evaluation of Blockchain in Capital Market Use-Cases." Blockchain is an upcoming technology in the current leading world which serves as a capital market use-case for many of the global Fintech industries across the world. Authors, represents a financial ledger entry of data structure which consists of record of transactions which is digitally signed and cannot be tampered as authenticity is ensured in which the ledger is considered to be of high integrity.

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VIT - The first and the only University in India to get 4-STAR rating from QS, the international ranking agency, Winner of the prestigious national award from FICCI, 'University of the year' for 2016, and Ranked No.1 Private Engineering Institution by MHRD, Govt of India (NIRF-2016 ranking).

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