

Guest Editorial Preface

Special Issue on Information Management: Drivers, Challenges, and Impacts

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Various scholastic studies over the past half century have set up the significance of information management for a firm. In any case, lesser emphasis has been put on revealing the relationship between different information management related exercises and their drivers and effect of information management on the overall performance of firms. It has highlighted different institutional variables that have a significantly huge effect on information management. The significance of information management is entrenched however what activities are best for firms and which information drivers will have higher effect under various management situations is not very much contemplated. Advancement of knowledge in this field will empower decision makers to be better prepared about variables to consider and difficulties to foresee while leading firms on management highways. An intriguing question in this course is the factor that elements guarantee achievement and profound effect in information management endeavors.

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In this regard, the first article is devoted to how mobile phones are making significant inroads in many developing countries and about the policy and infrastructure constraints that affect their use for business growth of micro- enterprises. It addresses this gap and proposes a revised technology adoption framework. The study is unique given the focus on women micro-entrepreneurs. The study found that appropriate policy framework, supporting infrastructure and appropriate ecosystem are required for rapid uptake of mobile value added services.

The second article discusses to increase and develop overall performance of Modern Network Grids in Smart Cities with acceptable levels of security and privacy, the internal and external factors which substantially affect the performance of network grids in Smart Cities without jeopardizing privacy and security issues are needed to be identified. Besides, the interdependencies of these critical success factors are needed to be realized clearly. This paper seeks to identify these critical factors and also takes a sincere attempt to ascertain the main driving forces among these critical success factors and to ascertain inter-relationship among the critical success factors.

The third article is about Internet of Things (also known as IoT or Internet of objects), refers to the networked interaction of objects to enhance the ubiquity of internet. It improves the quality of our lives by facilitating the collection and exchange of data between the objects over the internet. Using the advances in the underlying technology it can be integrated with the network to assist in our day to day activities. IoT is expected to be used everywhere in the near future. Hence, the businesses, researchers and governments are interested to learn all the things happening related to IoT. This

article makes use of the social media analytics mechanisms including descriptive analysis, content analysis and network analysis to dive in and see what Twitter is discussing about the IoT and how it drives the information management process. This study also highlights the major themes that happen to come across the twitter discussions.

The fourth article discusses the disparity in consumer and organization preferences of information channels as a major concern. Further, making decisions in the presence of a wide range of conflicting criteria through the use of a multiple criteria decision-making approach has gained increased prominence in recent years and research in this area has become an important consideration for business operations that involve dealing with complex decision problems. This paper describes how an integrated approach can be applied to a decision-making problem for identifying preferences consumers of information search channels according to demographic factors such as gender.

The fifth article is devoted to change management in information assets. Information asset storage in Cloud and retrieval in the net has become the new invisible corporate voyage into the information space. Information Assets are a valuable source of Knowledge for both Information asset creator as well as the user. These are fluid assets that change overtime based on several internal and environmental factors. This paper seeks to address these aspects of Change that impacts such “fluid” Information Assets and the need to raise up to the changing expectations of the millions of users by satisfying the ever growing information hungry businesses. In this context this assorted information on Change management is chosen carefully and it is hoped, will benefit the reader who may be a technical expert in his field.

The last article is about mapping Organization and Consumer Preferences for Internet Information Channels. The evolution of information technology has resulted in increasingly fragmented digital media and multiple information channels. Organizations can develop comprehensive insights into consumer behavior and preferences by evaluating customers’ perceptions of the various Internet channels that are available. Such insights can be used to identify which information channels can be employed to effectively reach and communicate with a target market and, thus, to optimize marketing strategies. This paper commences with a comprehensive literature review of existing research on consumer information search patterns and strategies, with a particular focus on Internet channels. The literature review is employed to develop a set of criterion by which consumer search preferences can be better understood. This criterion is subsequently used to develop a optimization model for organization that can effectively align marketing practices with customers’ search processes and preferences during their pre-purchase information search.

CONCLUSION

Change management of information assets is a very serious topic that needs further probe among the channels opened up as above. Technology changes are a key threat to digital continuity, as it is very easy to lose necessary usability of assets during transfer. Although Critical Success Factors to establish 5G technology networks in Smart Cities is a relatively new topic for research, a lot of emphasis is given to the Smart Cities especially its ICT system focusing on security and privacy issues.

The optimization model can be employed to align organizational and consumer preferences to more effectively market products via online information channels. It is anticipated that the application of optimization can allow marketers to improve the effectiveness of their marketing campaigns and promotional activities.

Social media platforms are important source of information acquisition medium for consumers. Further, social media analytics, can be used for the insights emerging from data related to IoT. Moreover, it can be used for the firms operating in the IoT space to know what people are discussing about, the network structure of the participants and themes, and the feelings in the dominant topics being discussed.

Finally, external factors such as institutional influences and network externalities & critical mass exert important influence on mobile value added service adoption albeit indirectly. At the user level, the factors such as relative advantage and compatibility while hindrances to adoption were found to be perceived risk and trust, complexity and cost. Absence of privacy laws, forum to redress grievances, unreliable statistics of mobile penetration, lack of interoperability, high capital cost of mobile tower construction are some of the barriers for policy-makers. The growth of mobile value added service would help reduce digital divide and facilitate entrepreneur's growth.

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