Barriers to Knowledge Sharing Among Academics in Tertiary Institutions

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Abstract—There has been a rising concern with regard to an inadequate level of knowledge sharing among the academicians in tertiary institutions across the globe. Scholars argue that improving academic research and quality of education at these institutions greatly depends on the level of knowledge sharing practices among them. Thus, it is important to explore the potential barriers to such knowledge sharing. Accordingly, this paper reviews pertinent literatures on barriers to knowledge sharing and knowledge withholding among academics in tertiary institutions.

Keywords—Knowledge Management, Knowledge Sharing, Knowledge Sharing Behavior, Academics, Tertiary Institution

I. INTRODUCTION

There prevails a lack of understanding regarding how to scale up knowledge sharing in organizations because of the limited awareness of inhibiting factors of Knowledge Sharing Behaviors – KSBs. In fact, both organizations and individual employees do encounter barriers to knowledge sharing. However, barriers to KS reduce individuals’ inclination to sharing their knowledge. This is claimed that individual employees have well-justified grounds for not being inclined toward sharing their knowledge and accepting knowledge from others.

Barriers to knowledge sharing prevail across the type of organizations and countries. For instance, reviewing 64 qualitative and quantitative studies published on various sectors and countries on Knowledge Management (KM) and Knowledge Sharing (KS) for the years of 2010–2015, discover ‘lack of trust’ as the extensively studied and most significant KS barrier. The study identifies other important barriers such as organizational culture, lack of time, workload, lack of technology, lack of organizational commitment. However, the barriers to knowledge sharing are usually classified into (i) organizational factors, (ii) technical factors, and (iii) individual factors. For instance, conducts a comprehensive review of general barriers to KS and identifies three dozen barriers under these three categories: (i) organizational barriers such as lack of transparent rewards and recognition and supportive organizational culture, (ii) individual barriers such as fear of lack of time, jeopardizing job security, and lack of trust, etc. and (iii) technological factors such as inadequate information technology (IT), lack of technical support and immediate maintenance, and lack of training on IT.

II. LITERATURE REVIEW

Knowledge Sharing Barriers in Tertiary Institutions

Like other organizations, knowledge sharing barriers play significant role on the way to effective implementation of knowledge sharing in academic organizations. In a study on faculty members of higher academic institutions in USA, reveal four important KS barriers, such as bounded individual capacity, inadequate organizational capability, fear of knowledge revelation, and knowledge nature. Out of these barriers, fear of knowledge revelation appears to be the most dominant barrier to effectiveness KS. A study conducted on a Nigerian university by reveals that poor attitude towards KS and inadequate awareness about the importance of knowledge sharing are the main constraints of KS among faculty members. They review studies on knowledge sharing in HEIs across the countries and discover that trust, subjective norms, attitude, rewards & incentives, technology, and organizational climate are the major determinants of KSBs of academicians. In a study on UK academics, point out that along with physical and psychological barriers, university’s functional organizational structure, individualism, working in isolation, opposing ideologies and values of different departments or disciplines may appear as important barriers to KS. The author conducts a study on a sample of 784 academics of a HEI in South Africa and discovers several inhibiting factors towards KS such as an unwillingness among academics, time constraints, and a lack of management support. The author argues that perceiving ‘knowledge is power’ instead of ‘knowledge sharing is power’ may appear as a serious inhibitor of KS among academics in HEIs. Researchers conduct a literature review of relevant articles and conference papers published between 2003 and 2014 on KS culture in HEIs of developing countries from the Middle East, Africa, and South America. The study reveals that knowledge sharing practices among the faculty members in the HEIs are inadequate. The study also identify several barriers such as lack of trust, absence of knowledge sharing culture, lack of time, lack of leadership support and commitment, inadequate communication mediums, lack of training on IT tools, unwillingness to use technology, job security, and national culture.
In fact, lack of knowledge sharing in universities and among the academics in universities are more dominant in developing countries\(^2\). In particular, HEIs in Asia encounter barriers to knowledge sharing similar to business organizations\(^2\). Authors conduct a meta-analysis on KS among the academic institutions in Iran and show that factors promoting KS are not satisfactory in Iranian academic institutions. The study divides the KS barriers prevailing in their academic institutions into (i) human barriers (i.e., lack of trust, lack of time, lack of skill and capability, and knowledge hoarding), (ii) organizational barriers (i.e., unsuitable organizational structure, organizational culture, and lack of team work), and (iii) technological factors (i.e., low acquaintance with information technologies). In another study on the faculty members of state-run universities in Iran\(^2\), conduct and discover that while 60.4\% academic staff hold a positive attitude towards KS, only 25\% activity participate in KS and the remaining 75\% of the academic staff are passive about KS. The study identify a number of factors that inhibit KS among faculty members such as absence of KS culture, lack of infrastructure, lack of mutual trust, lack of time, inadequate interpersonal skill, and lack of interest, etcetera.

In the context of Malaysia\(^2\), identify two main kinds of barriers (i.e., internal and external) that affect knowledge sharing among the university faculty members in Malaysia. Internal barriers represent individual barriers such as lack of trust, lack of rewards, lack of time, need for power, personal attitude, etc. On the other hand, external barriers represent organizational (e.g., organizational support, incentive system, management system, organizational culture) and technological barriers (e.g., information technology literacy and application). In a study conducted on academicians of 10 public universities in Malaysia\(^2\), explore that faculty members engage in KS with their colleagues at moderate level. They argue that faculty members tend to restrict sharing their knowledge as they work independently, autonomously, and focus on individual academic objectives. In another study in Malaysia\(^2\), explore that faculty members at HEIs recognize the significance of knowledge sharing. However, the study shows, KS barriers at varied degree prevail among the academicians of both public and private universities. In this study, the common KS hindering activities identified are lack of rewards and recognition, lack of trust with colleagues, and inadequacy of information technology. Using a mixed-method\(^2\), conduct a study on technical college teachers in Malaysia and find that lack of management support, faculty members’ own negative perceptions, and micro-politics are the main discouraging factors for sharing their knowledge with their colleagues. In a study on the role of KM on knowledge sharing among university faculty members in Malaysia\(^2\), acknowledge that universities confront issues such as the absence of trust among its faculty members or insufficient incentives that may obstruct active sharing among the faculty members.

An early study, with a sample of 319, done by\(^2\) examines twenty different factors that either promote or impede knowledge sharing among the academic staff of HEIs in Kuwait. Out of them, the study shows that, twelve factors are inhibitors such as concerns about job security, lack of language competence, male attitudes, lack of out-group interaction, lack of rewards, lack of management support, inadequate technological, poor IT skills. They\(^2\) argue that university faculty members face numerous barriers while sharing their tacit knowledge among them. The study recognizes psychological factors (e.g., psychological distance, reputation, and trust) as the most significant among all the barriers. The authors explain a dilemma repenting psychological barriers to KS: (i) the faculty members with shortage of creative knowledge and self-confidence may worry about being underestimated, laughed, or marginalized. In contrast, knowledgeable faculty members may perceive the risks of losing position and uniqueness if their knowledge is transferred.

In a study conducted on faculty members of three public universities in Pakistan\(^2\), they explore that there exists a significant level of knowledge hoarding among the faculty members and find that the need for power and influence, an unsupportive culture, the need to impress superiors, gaining promotion, and the poor association between rewards and KSB are the main drivers of knowledge hoarding. In a study on KS among faculty members of a university of Sri Lanka\(^2\), explore that lack of knowledge sharing culture, administrative responsibilities, lack of motivation, lack of recognition, lack of access to resources restrict sharing knowledge among the academics. In this study, 55.5\%, 36.7\%, 32\%, 31.4\% faculty members either strongly agree or agree that administrative responsibilities, lack of recognition, lack of knowledge sharing culture, lack of motivation respectively are the key KS barriers.

In a study done on KSBs of the university faculty in India, a neighboring country of Bangladesh\(^2\), discover 12 different types of constrains toward knowledge sharing under four categories: (i) individual inclination (e.g., lack of interest), (ii) institutional support (e.g., lack of infrastructure, lack of rewards and incentives), (iii) institutional culture (e.g., lack of trust, lack of policy and priority, lack of communication, lack of collaboration, and lack of opportunities), and (iv) personal limitations (e.g., lack of time, lack of knowledge). Out of them, the important barriers include inadequate rewards and recognition, lack of supportive knowledge sharing culture, lack of interest, lack of collaborative environment, lack of knowledge, and lack of free and open communication are prominent. In an earlier study\(^2\), shows that there exists unsupportive knowledge sharing culture in an Indian business school. In another study on faculty members of Indian universities\(^2\), discover that culture of working alone, lack of motivation, and fear of being ‘robbed’ are significant barriers to knowledge diffusion. Relying on a qualitative study on the business schools of a public university in West Bengal of India\(^2\), acknowledge that institutional bureaucratic mind-sets, lack of intra-organizational relationships (such as social networks and hall talks), considering knowledge as proprietary are vital KS barriers for the faculty members in the academic institutions.

Bangladesh as a developing country of Asia cannot be an exception as to encountering KS barriers by the faculty members of its HEIs. For instance, while studying KSBs of
faculty members in Bangladesh, review a number of barriers such as distant relationship among colleagues, lack of management initiative, lack of willingness, individual job security, academic promotion, lack of updated technology, etc. The study shows that faculty members are less inclined to KSBs. In addition, the factors that usually hinder knowledge sharing prevail in the country’s HEIs, such as inadequate training, lack of infrastructure, lack of technology, lack of academic and research environment. In particular, most of the private universities are characterized by high faculty turnover indicating lack of organizational commitment, poor quality of work life, lack of flexibility & freedom, lack of rewards and benefits, lack of career development opportunities. Moreover, Bangladesh has cultural proximity to other South Asian countries such as India, Pakistan, and Sri Lanka. Therefore, the barriers that the faculty members encounter in these countries might be applicable for Bangladesh.

**Knowledge Withholding among Academics in Higher Academic Institutions**

One of the key inhibiting factors and undesirable counterpart of successful sharing of knowledge is knowledge withholding by the organizational members. Knowledge withholding is of two categories of behaviors: (i) knowledge hoarding and (ii) knowledge hiding. Knowledge hoarding refers to “the simple withholding of knowledge, which has not been requested by any specific individual”. Knowledge hoarding is usually less intentional or unintentional form of concealment. However, some scholars recognize knowledge hoarding as intentional. On the other hand, knowledge hiding refers to the intentional attempts of withholding or concealing one’s knowledge which has been requested by others.

Knowledge hoarding is a natural human tendency and being doubtful about knowledge from others is also a natural phenomenon. From the standpoint of employees, knowledge hoarding is a rational choice as it facilitates protecting power, saving time, remaining important, and reducing job insecurity in the organization.

Like other organizations, knowledge hoarding is a common phenomenon among faculty members and is a big challenge on the way to effective knowledge sharing among them. Scholars admit that knowledge hoarding instead of knowledge sharing could be more widespread in academic institutions. For instance, discover that knowledge sharing intention is lower among the faculty members of private universities in Malaysia. They argue that the tendency to hoard knowledge in the private universities may be due to the lack of affective commitment, profit-seeking nature of organization, and greater competition among academics. They find in a study on public universities in Pakistan that faculty members hoard knowledge with their colleagues mainly due to gaining power, influence, authority, promotion, and employee favoritism. In another study on public universities in Pakistan, argue that academicians hoard knowledge because of personal interests, powers, promotions opportunities, influences, authorities, and becoming superiors in eyes of the boss.

Researchers argue that academics tend to hoard knowledge from their colleagues, especially when they possess unique, specialized, and important knowledge that does not belong to others. While studying KSB of faculty members of an Indian university argue that opportunism and self-seeking behavior strongly contributes to knowledge hoarding.

Another frequently observed individual-barrier to knowledge sharing in contemporary organizations is knowledge hiding. However, studying knowledge hiding, especially in HEIs is almost overlooked by scholars. In fact, like knowledge hoarding, knowledge hiding may also prevail among academics in HEIs. For instance, in a study on 207 academics economic and business schools from both private and public sectors in Croatia, reveals that scholars partially hide knowledge and are more inclined to conceal tacit knowledge from their colleagues. The study shows that distrust with colleagues and personally traits are the main determining factors of knowledge hiding behavior. Moreover, pro-socially motivated academics are found to be less likely to hide knowledge. While studying knowledge hiding of academics of Turkish universities, discover that the most frequently used knowledge hiding behavior of academics is “evasive hiding” (the knowledge holder pretends that the knowledge will be shared), specially relating to “I agree to help him/her but never really intend to”. However, overall knowledge hiding is not found to intensely prevail among academics.

**III. CONCLUSION**

From the above paragraphs, it can be inferred that there prevails numerous barriers that obstruct successful knowledge sharing among the academics of HEIs. Overcoming these barriers appears to be a big challenge on the way to promoting knowledge sharing behaviors. That’s why HEIs should look for ways that will help overcome the barriers and enable the academics to actively engage in KSBs.

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