

# Chapter 71

## Disciplinary–Based Knowledge Management Systems’ Potentialities of Collaborative–Integrative Linkages: Ethical Action–Learning Solutions’ Frameworks for Supportive Entrepreneurial Ecosystems

**Emmanuel N. A. Tetteh**

 <https://orcid.org/0000-0003-3931-1634>

Walden University, USA & Saybrook University, USA & Mercy University, USA

### ABSTRACT

*Disciplinary-based knowledge management systems (KMS) shape societal firms, organizations, associations, business enterprises, and social institutions. KMS shaping potency rests in their functional capacities as obligatory mechanisms to provide an ethical sustainability framework for supportive entrepreneurial ecosystems. It is, therefore, imperative to safeguard KMS’ instrumentalities of functional capacity against any potential threats to their ethical sustainability frameworks of productive goal attainments. The obligatory mechanisms’ outcomes of ethical sustainability frameworks are their catalytic synergies from which KMS collaborative-integrative linkages propel ethical action-learning solutions. These collaborative-integrative linkages are the byproducts of sustainability development, corporate social responsibility, entrepreneurial intention, and values-analysis frameworks. It thus requires providing a modeled ethical case-analytic assessment framework for exploring the obligatory mechanisms of KMS’ potentialities to enrich the supportive entrepreneurial ecosystems. This chapter, therefore, introduces students and practitioners to the disciplinary-based KMS obligatory mechanisms that shape ethical sustainability frameworks through collaborative-integrative linkages of the ethical action-learning solutions model for supportive entrepreneurial ecosystems.*

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## **INTRODUCTION**

This chapter article introduces students, practitioners, and professionals of the various academic disciplines to the obligatory mechanisms of the potentialities of knowledge management systems (KMS) implication on the supportive entrepreneurial ecosystems. The ecology of KMS and connections with information systems have an evolving disciplinary appeal for dealing with data creation, collection, and management, operational and transactional data distribution, leveraging information-rich structures, and capturing analytic, explicit, implicit, and tacit knowledge along a continuum over some time, thus providing comprehensive understanding across disciplinary boundaries (Asquith et al., 2018; Dalkir, 2011; Dyball & Newell, 2015; Mcinerney & Koenig, 2011). The practical application of KMS and information systems' implication on the supportive entrepreneurial ecosystems can objectively and subjectively improve organizational decision-making, collaboration, competitiveness, and inclusive performance and advance sustainable customer relationship management (Cardoni et al., 2020; Castagna, 2020; Malecki, 2018). The obligatory mechanisms that shape KMS and information systems play a vital role in fostering effectiveness-based and efficiency-focused activities of the energetic, supportive entrepreneurial ecosystems to promote a firm's enterprise system management and technology discipline to coordinate all business processes for growing customer niches (Castagna, 2020; Chen et al., 2023).

For Bergek et al. (2008), the powerful force of obligatory mechanisms supplies performance analytic schemes for tracing the dynamic processes that require information systems' innovation to serve as a precursor in stimulating the capabilities of KMS to capture and operationalize the essential structure characteristics of entrepreneurial ventures. Such performance analytic schemes can aid in showcasing innovation systems' dynamics that underlie KMS by defining the information systems' core structural components, functional patterns, innovation inducements, and blockading mechanisms across supportive entrepreneurial ecosystems (Bergek et al., 2005; 2008; Li et al., 2023). Therefore, the extent to which KMS' potentialities implicate supporting entrepreneurial ecosystems can enormously affect the functional dynamics of information systems' innovation for organizational advancement (Audretsch et al., 2023; Ribbat & López, 2023). Such information systems' functional dynamics will most likely shape KMS' operational design, systemic development, supply-chain implementation, and coordination of production systems that collect, stockpile, channel, dissect, and dispense information to maximize a firm's above-average returns (Fallah Shayan et al., 2022; Redding, 2023).

However, some emerging tensions caused by the imbalance of ethical sustainability issues can pose alarming shifts to the beneficial measures that orientate the information systems' essential functional dynamics, thereby destabilizing the potentialities of KMS' implication on the supportive entrepreneurial ecosystems (Audretsch et al., 2019; Audretsch et al., 2021; Daradkeh, 2023). When KMS' potentialities get weakened, the functional dynamics of information systems can also impede the fabric of supportive entrepreneurial ecosystems toward blockading the ingenuity mechanisms of a firm's collaborative enhancement, knowledge-sharing outlet, service-product innovation, adaptive decision-making, resource accessibility, partnership opportunities, sustainable ecosystem, and entrepreneurial support (Adams et al., 2023; Dwivedi et al., 2022). In the context of KMS and information systems, ingenuity mechanisms point to the effectiveness inducement, systemic innovation, and creative tactics used in advancing meta-data, semantic tagging approaches, leveraging data security, innovative thinking, and data visualization, including maximizing a firm's values-based profitability goals through strategic management of capturing and distributing knowledge (Alavi & Leidner, 2001; Krämer et al., 2014). So, the interconnectedness that structures KMS' potentialities, information systems' functional dynamics, and supportive entre-

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