Promising & Future Research Topics: E-Learning and Knowledge Management (KM): 2019-2020

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PART 1 – BUSINESS MANAGEMENT RESEARCH
E-learning

Use of **Electronic technologies** to improve the performance of a teaching-learning process

Major challenge for the effective deployment of e-learning

- the **application of different forms** of ICT (OR) input supports varieties of format into this **domain lies in the management of source knowledge** (Islam et al., 2011; Judrups, 2015; Radwan, 2015)
WHAT DEFINES AN IDEAL LEARNING MANAGEMENT SYSTEM?

**Knowledge Acquisition/creation**
Extracting new knowledge from data, information, experience & prior knowledge

**Knowledge codification /storage**
Organize in a suitable & convenient deliverable format so that user can access, share, and use resources every easily

**Knowledge identification /refinement**
Identify knowledge and refine it relevant to the subject / industry and problem area of investigation

**Knowledge Dissemination/sharing/retrieval**
To retrieve, no. of tools & techniques browsing, searching, meta data while for dissemination such as email, chat, discussion forums, video conf.

**Knowledge leverage /usage**
Use knowledge whenever required.

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KM TOOLS AND TECHNOLOGIES

KNOWLEDGE SHARING TOOLS
Intranet
Groupware
Internet support

KNOWLEDGE DISTRIBUTION
Electronic Calendar
Database
Desktop publishing

KNOWLEDGE CAPTURE
Expert’s knowledge Modeling
Neural Models
Intelligent Agents

STORE & RETRIEVE KNOWLEDGE
Database technologies

DERIVE PATTERN & ORGANIZE
Mining Technologies &
Bookmarking, social tagging
E-LEARNING AND KNOWLEDGE MANAGEMENT? HOW ITS RELATED?

Process of using different multimedia technologies for creating, capturing & organizing the knowledge

- Generates reusable objects
- Helps KM through creation of explicit knowledge from tacit & offers intricacy for sharing
- Focus on creation of structured knowledge

Process of creating, capturing & organizing the knowledge

- Offers reusable objects
- Make use of e-learning process as a tool for KM
- Uses the CMS as a subset of the process
INTEGRATION OF E-LEARNING COMPONENTS FOR KM

- Goal choice, instructor, observation, discussion, presentation
- Network, Connections, Service providers, Internet Tools
- Text, audio, video, chart, simulation, case study
- Manage, Search, Retrieve, Content Reuse

E-Learning

Content

Support

Activities

Knowledge Management

Sharing

Creating

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FUTURE RESEARCH AREAS:
KM & ELEARNING

Research Direction 1: Enablers and Barriers; Maturity; Intention

KM & E-learning are at an infancy stage of development. Therefore research should focus on maturity models, enablers, barriers (leadership, culture, self-efficacy) for sharing, creating...

Research Direction 2: Develop a definitions & terminologies, refinement theoretical treatment of artifacts, specific knowledge process, influence of managerial actions.

Clarify whether non-human elements, materials, tools, objects, artifacts refer to the same empirical phenomena; need for clear ontological perspective; artifacts in relation to defined knowledge process; how to employ artifacts to manage knowledge without authority & control.

Research Direction 3: Linking E-learning tools/technologies on KM

From the perspectives of social networking, bigdata, WhatsApp ...usage lead to KM thereby learning – looked at from industry and HEI.
QUESTIONS BEFORE CHOOSING YOUR RESEARCH AREA

Developed, developing & emerging economies
Problem, widespread of the problem, affected & severity varies across the country & region.

Current Maturity Model + Priority
Current problem may not be suitable for developed economy the USA but for UAE

Area of interest + experience
Your area of interest towards the subject and experience in handling KM & Learning determines

Mentor knowledge on the subject
Prof knowledge on the subject + terminologies – familiarity of the country

“If a possible research topic is not addressing a priority problem, it is not worthwhile researching it, so you should drop it from your list”


You'd like to brainstorm, post your queries@drnancy@phdassistance.com