

TOWARDS COOPERATIVE CONSTRUCTION OF COMMUNITY INFORMATION SYSTEMS IN HIGHER EDUCATION INSTITUTIONS CONTEXT

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Community informatics studies tend to set up methods to build Information Systems involving better ways to work with people, especially for developing and sharing digital contents inside and between organizations.

One may find it useful, from a managerial point of view as well as a theoretical perspective, to study the main human and social parameters which would be likely to take part in the construction and the evolution of Community Information Systems (cIS) grouping higher education institutions (HEI).

To what extent can we identify such a system as drive to innovation, conducive to the economy of scale or ever better, as an expression and growth area of collective intelligence?

What is the definition of collective intelligence? How do we measure it? How do we recognize its ways, and by which technical means does it manifest itself? What are the factors that influence it?

Depending on the type of resource that it contributes to generate and/or innovate, this intelligence can use different ways to enhance efficiency and competitiveness of organizations linked to the cIS.

The subject is limitless and presents too much questions that never a sole research paper could correctly answer.

Therefore, this paper focuses primarily in analysing practical cases. These cases are in fact within the framework of software achievements resulted from internal initiatives that provide the ability to offer Internet based application services meeting specific needs of Higher Education Institutions.

Also, the paper aims to draft in particular the architecture of an initial cIS based on the first results of this analysis. It tries to take into account the incentive and the governorship of digital resources cooperative production, as well as the implementation of performance indicators to measure their impact on the efficiency and the competitiveness of the HEI.

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