Chapter 30
Community Science and Technology and Its Meaning to Potential Requirement

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ABSTRACT

Community science and technology (CST) is an emerging concept and side by side a broader domain that deals with various aspects of community and societal development. Community science and technology may be treated as subject responsible and dedicated for community and society development. This is the domain which talks about science and technology and its development for societal and community. Community science and technology (CST) may be expressed as a domain of science, technology, and engineering responsible for social and community development. Information science is an interdisciplinary domain and responsible for information vis-à-vis technological solution with social science perspective; thus, the domain may be treated as a domain of community or social touch or more clearly a domain of community science and technology.

INTRODUCTION

Community Science and Technology (CST) is an emerging concept as well as a broader domain that deals with various aspects of community and societal development. Community Science and Technology may be deemed as subject responsible and dedicated for community and society development. This domain talks about Science and Technology and its development for society and community. On other hand, Community Science and Technology (CST) may be expressed as a domain of Science, Technology, and Engineering responsible for social and community development. CST may come as a full-fledged education programme which should talk about community. On the other hand, it is a domain with focus of community and side by side other domains. Chapters mentioned are community science its meaning,
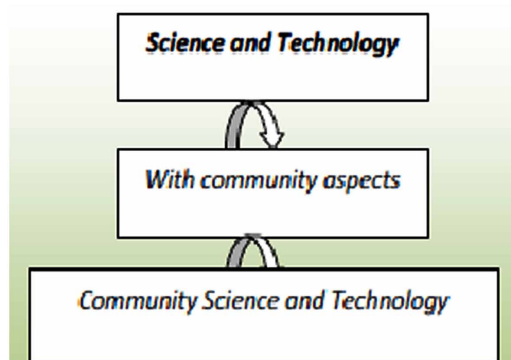
role, values with special reference to emerging and possible domain. Community Science and Technology is actually an emerging concept and it's a domain which is directly and indirectly related to the community or society or development studies (or related subjects) (Avgerou, 2003; Paul et al, 2012a). Information Science is an interdisciplinary domain and responsible for information vis-à-vis technological solution with social science perspective. And thus the domain may be treated as a domain of Community or Social touch or more clearly, a domain of Community Science and Technology.

BACKGROUND

CST is a conceptual domain dedicated to societal development though proper science and technological tools (see Figure 1). Community Science and Technology may be brought as both, individual course of study or may be an individual subject with CST flavour. If it is a full-fledged CST programme then it may deal with several aspects of Community including its nature, role, diversity and side by side valuable for expressing the tools and techniques responsible for community or society and ultimately for its development today. Many aspects like virtual community, social network, and community development may also fall under the CST. Science and Technology are the main sources for the development whether it is industry, communication, education, governance and others. Such development and modernization of society is also possible with better and healthy Community Science and Technology related applications. The main background of this chapter includes but not limited:

- To find out about and learn on Community Science and Technology including its basic nature and characteristics.
- To learn and find out about Community Science and Technology as a stakeholder of development and modernization.
- To know about future potentiality of CST related programs as an academic specialization courses.
- To draw an exact picture and possibilities of CST program related to Community Science and Technology and its development.
- To find out Service Science and Community related aspects in Information Sciences and Technology.

Figure 1. The basics of community science and technology

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