Interdisciplinary Approach to Research and Development

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Abstract - Interdisciplinary research is a research methodology carried out by assimilation of any kind of knowledge from two or more disciplines, to enhance comprehension or to find solution to complicated problems beyond the reach of a single discipline. The amalgamation of different disciplines enables the researchers to be more exposed and have wider horizon, develop a deeper perception. This approach results into foundation of a new structure of understanding and execution.

Interdisciplinary research is challenging task, it necessitates the development of a common platform for information sharing and understanding. An effective communication mechanism is required to enhance and strengthen the efforts of researchers in order to bring out the best of different disciplines in solving a new problem. The blend of diverse disciplines broadens the mindsets and encourages viewing tangentially.

The paper aims to study two disciplines namely Information Technology and Healthcare. It provides an insight into the role of IT in various facets of Healthcare. It also highlights the application of innovative practices by incorporating technology in health sector.

A sampling size of 200 respondents who are directly associated with healthcare units is chosen. The sampling unit consists of people from the age group of 25 to 55 years. The technique adopted for sampling is stratified random sampling. The data collected is primary in nature and a field survey is being conducted through a structured questionnaire. The study is carried out in Delhi NCR, India. The survey is carried out through personal interviews, emails and internet surveys which are useful in getting in-depth and comprehensive information.

The findings aim to reveal the interdisciplinary research and development via the integration of information technology and healthcare.

Keywords - HealthCare, Information Technology, Innovation, Inter Disciplinary Research

Remark: The full paper may be found in www.inrit2011.com or www.ijcim.th.org.