



**T A PAI MANAGEMENT INSTITUTE**

MANIPAL - 576104

Research Seminar

**Human Factors standards in Medical Device Design  
– Role of Organizational factors.**

Speaker

**Prof. Sivakumar**

TAPMI, Manipal

**2:00 PM, February 16, 2011 (Wednesday)**

**F2 Class Room, TAPMI Campus**

**ALL ARE INVITED**

## **Abstract**

**Abstract** : Human Factors standards for medical devices design are integral part of new device design and development. These standards have gained in importance as many medical errors are attributable to human errors. Human Factors standards for medical device design at present mainly relate to human device interface, physical environment and cognitive aspects of device users. However, organizational setting plays a crucial role in medical device operation. Organizational settings typically dominate healthcare offering and medical devices mediate healthcare interventions. An interaction between these aspects means that organizational factors in device design standards become significant. This paper highlights this gap in device standards and makes the case for organizational factors' inclusion in medical device design standards.

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