

Smart class room: Looking through the eyes of a Library and Information Science student

Apurba Das

Department of library and information science

University of Gour Banga, Malda, India

Abstract:-

The academic sphere especially teaching-learning activities have gone through different experimentations in recent times in tune with realization of continuous improvement and applicability of Information Communication Technology (ICT). A latest trend doing the rounds is fusion of real life classroom with internet environment popularly known as smart classroom. The present article is the reflection of the concept of smart classroom through the eyes of a Library & Information Science student encompassing the definition of smart classroom, recommended standards, technology integration, characteristics, applications, and outreach in a compact manner. So that, the article may be of help to newcomers to get an overview of smart classroom and hopefully may have the way for infusion of new thought into its working and greater learning community acceptance.

Keywords:-

Smart board, Information Communication Technology, Internet, Pedagogy, Electronic pen. Video conference, Smart documents.

INTRODUCTION:-

The progress of Information communication Technology (ICT) has led to some new avenues in teaching-learning activities. The introduction of web 2.0 technologies are making impossible to possible. One such possible and happening event is introduction of smart class room technology.

Smart class room is a new vision in education. The use of education technology can bring a huge change in education internet and e-learning devices can make class room environment extremely amazing teaching through computer, internet and multimedia devices has already become a common thing in today environment.

Definition of Smart class room:

Any topic not complete with out define.

O'Driscoll described smart classroom as "It is a class room that responds to lectures and student groups based on present policies and the lecture timetable. The pervasive nature of personal mobile device permits the investigation of developing low-cost location and identification systems that support development of a smart class room (CASC) use a central scheduling system tom determine the teaching activity."

Hung proposed "...a SMART model of smart class room which characterized by showing, manageable, accessible, interactive and testingA smart class room relates to the optimization of teaching content preservation, convenient access of learning resources, deeply interactivity of teaching and learning contextual awareness and detection, class room lay out and management etc."

Pishva and Nishantha in define a smart class as a "smart class rooms integrate voice- recognition, computer vision and other technologies, collectively referred to as intelligent agents, to provide a taleteller-education experience similar to a traditional class room experience."

Xie, shi xu presented that "the smart class room demonstrates an intelligent class room for teachers involved in tele-education, in which teacher could have some experiences as in a real class room-the magic of smart class room is the way teachers using the system- teachers are no longer tide up to the desktop computer non cumbersome keyboard and mouse."

Origin of smart classroom:

In 1986 David Martin and Nancy Knowlton were driving through upstate. New York when first described a product idea been working. A year later SMART was founded.Originally, the company was the Canadian distributor for a U.S projector company, and revenue was generated through projector state.

Smart classroom in India:-

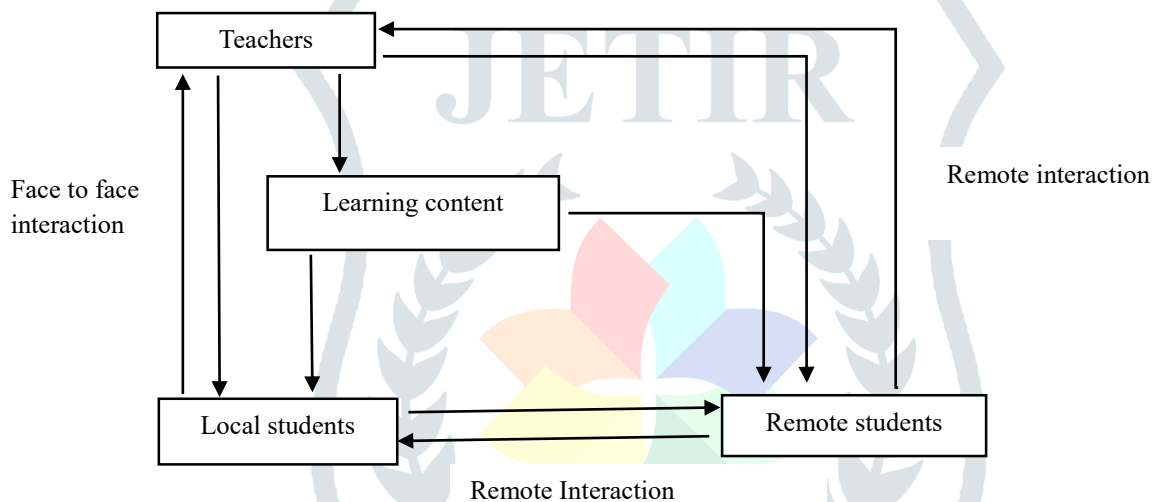
Smart class was launched by EDUCOM in 2004 in the initially stages a soft lunch across a few select geographic confirmed the phenomenal acceptance amongst private schools of all categories. At the very initial stages of lunch many Indian reputed schools like Takshila, DPS pitampura in Delhi and Cambridge-chain of schools were the first to adopt the programme.

Generations of smart class room:-

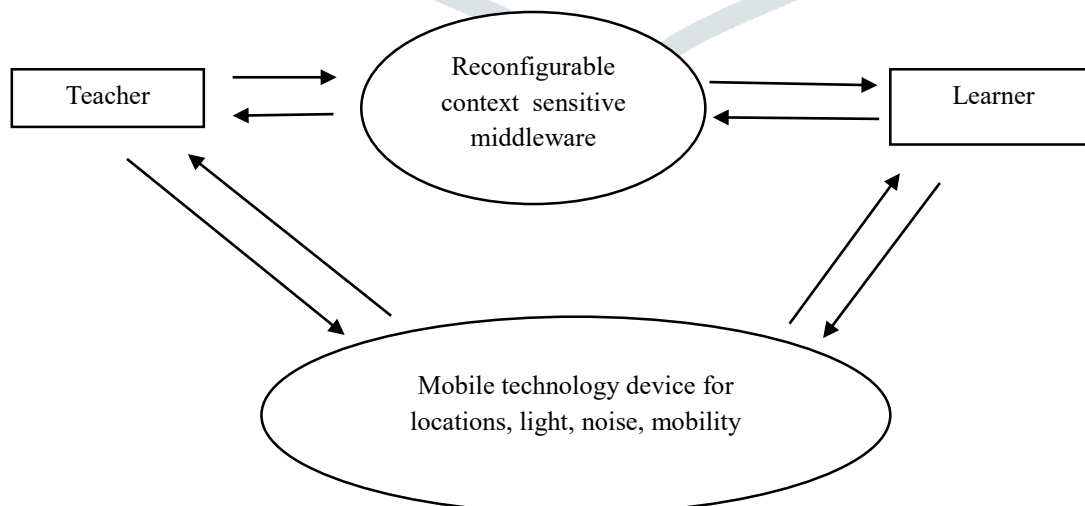
We may indentify several generations of implications of smart class room concept and corresponding software/hardware solutions in academic institutions.

The first generation of smart class room:

The early smart class room implementations were primarily focused on synchronous delivery of learning/ teaching mode and remote/online.



Second generation of smart classroom (2008- currently):



Components of smart class room:

- Smart board
- Smart LED TV
- Short throw projector
- Video conferencing equipments
- Laptop with internet connection
- Document camera
- Podium
- Video conferencing-high definition
- Architecture of smart class room

Smart class room standards:

- Interactive white board
- Smart audio
- Interactive response system
- Digital slate
- Smart document

Advantages of smart classroom:-

1. Lets teachers simultaneously instruct remote and local students
2. It provided a pen-based user interface on a projected display.
3. Lets the teacher control the presentation of lecture materials.
4. Informs the teacher of classroom events.
5. The computers enable participant to apply the subject matter during the courses.
6. Teachers can information sources such a knowledge database, online video and news items.
7. Students are also getting smarter, big paragraphs are being replaced with pie charts, bar graphs and images and the theory “A picture is worth a thousand words” is coming to life.

Conclusion:

One of the initiatives that is perhaps effectively trying to bridge the digital divide is smart classroom. Smart classroom with seamless integration of technology, digital space and real life situation has created an environment where teaching learning process is getting redefined and is being taken beyond traditional brick and mortar class room to a global classroom where location of teacher and learner became irrelevant and more pragmatic approach towards imparting education in being experimented with.

References:

1. E-Learning for smart classroom, smart classroom, bytes journal, [http:// education.qld.gov.au/smart-classroom/documents/strategy/pdf/scbyte-e-learning](http://education.qld.gov.au/smart-classroom/documents/strategy/pdf/scbyte-e-learning). Pdf(2008)
2. RAY: International Journal of Multidisciplinary Studies, Volume I, No. 1, April, 2016, pp. 67-79.
3. Shi, y., xie, w., xu, g., shi, r., chen, E., mao.y., liu, F, The smart classroom: emerging technologies for seamless tele-education. International conference on multimodel Interfaces (ICMI 2002), pp.429-434. IEEECS press (2002)
4. Yau,s., gupta, s. Kaim, F. Etal; smart classroom; enhancing collaborative learning using pervasive computing technology. In. Proceeding of 2003 asee conference. <http://www>. Smart classroom-2003 pdf
5. <https://www.slideshare.net/mobile/hamzaaaaah/smartclassroom-71367819>
6. <https://www.edusys.com/blog/what-is-smart-class>