

SMART CLASSROOM AND TEACHER EDUCATION

Mrs. Sanjivani P. Kadam
Dr. Shobha V. Kalebag

Education is considered as effective tool for nation's development. As rightly said destiny of country is being shaped in its classroom. In this world of IT the educational field is to be reshaped and moderated by use of educational technology and ICT. The main key factors of educational fields are student and teachers. Of this teachers are trained in pre service colleges and get the educational qualification. This pre service qualification of teachers should be enriched with use of ICT. This will help teacher trainee to use ICT in his or her future teaching life for above purpose the teacher trainee should use latest technology in his or her teaching schedules.

Smart classroom and interactive whiteboard are latest technologies which we can use into teacher training process. Let us see how we can use this technologies and how they worlds.

Smart Classroom – The new technology which is based on ultramodern ICT equipment is smart classroom.

Definitions

- 1) A smart classroom is a classroom that has an instructor station equipped with computer and audiovisual equipments,
 - Personal Computer
 - OHP
 - Wireless internet Access
 - DVD Player
 - Smart Board / Interactive with board,
- 2) A Smart classroom is one equipped with multimedia components designed to enhance instruction and leaning. Smart classroom devices are networked computer, OHP, Projector and screen, DVD Player, Document camera, Classroom Speaker.
- 3) A Smart Classroom related to the optimization of teaching content presentation, convenient access of fearing resources, deeply interactivity of teaching and learning contextual awareness and detection classroom layout and management etc.
- 4) A Smart classroom is the one which is equipped with technically advanced modern forms of a projection system that enable to use computer and other technologies in the classroom.

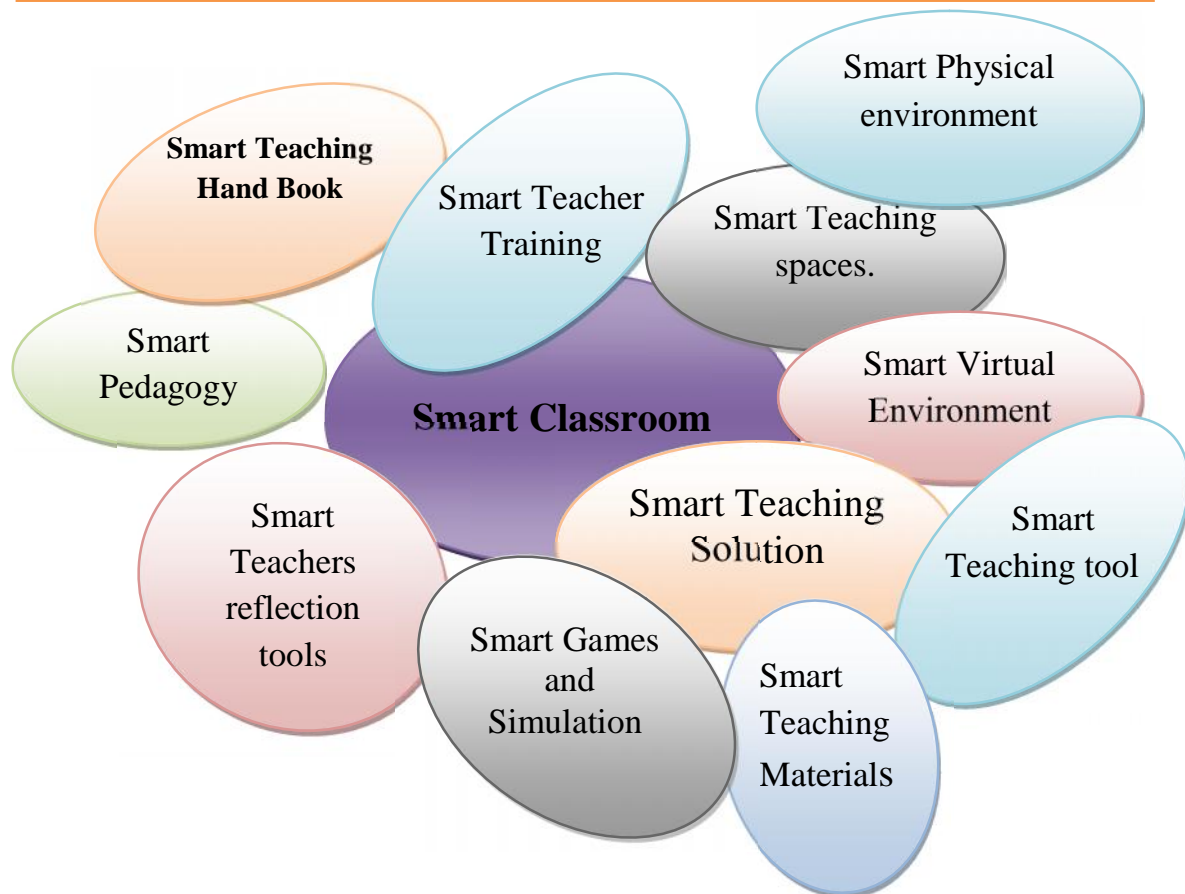


Fig- 1 Smart classroom project university of turku

Main advantageous features of smart classroom

1) Enhances the learning process-

Presenting things for a real time experience and learning can enable the students to remember the same for a longer education as compared to what they hear.

2) Anticipation

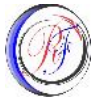
Students love to explore new things rather than attending boring lectures or lessons. The teachers can spice up the teaching process by using various tools and method kind thus enhance the involvement of the pupils in the same

3) Time saving

Smart classroom helps in saving the time of the teachers when it comes to results of checking process data can be saved simultaneously and matched up with the answers in very lesser duration as compact to paper world.

Drawbacks of Smart class

1. The investment is big which is impossible in Indian environment.
2. Trained teachers are required.
3. The unavoidable power cuts in India will disturb the teaching learning process.

**Nature of teacher education in India.**

The teacher education in India has ciliated into two differed modes.

1. In-Service teacher education
2. Pre-Service teacher education.

Let us see the use of smart classroom in pre-service teacher education.

Pre – Service Teacher Education Programmes.

Theoretical Studies

1. Practical Related to Theory papers

Practical Work

1. Microteaching
2. Student teaching Internship
And field works.
3. Working with community
4. Work Education
5. Research work etc.

These are the programmes for pre –service teacher education in India.

Use of smart classroom in Teacher Education programmes

Smart classroom is technology based classroom we can use it in teacher education in following ways.

1. Use of smart classroom in theoretical studies

There are six to seven papers in teacher education curriculum. They are on different subject like philosophy and sociology, Psychology learner and learning process etc. There are many complicated concept in these subjects .This subjects can be taught to teacher trainee with the help of smart classroom easily as the smart classrooms contains all technological equipments.

The smart classroom can be used in doing practical related to theory papers.

Use of smart classroom in practical components-

The practical work of teacher education is important as it helps teacher student to get skills for teaching. The smart class can be used in following ways.

1. Micro- Teaching

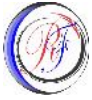
All required skills for teaching are introduced in students through microteaching the recorded quality demos can be showed to student teacher in smart classroom. The recording and viewing of lessons can be simultaneously done in smart classroom which will guide teacher students and also provide feedback of his / her own teaching.

The expert's lessons can be viewed of video or online and improve one's own lesson.

2. Practice lesson

Smart classroom is useful for following things.

- a) Content enrichment
- b) Model lesson observation.
- c) Feedback through recording.
- d) Use of technology in simulation lesson etc.



3. Working with community

In these Programme student teachers of social work activities smart class is useful

1. To know different activities they can do (internet access).
2. To plan the social work activities.

Work Experience

The smart technology of smart class can be used here for conducting the socially useful productive work by knowing different handicrafts of different states.

The pre-service teacher education will become more easy and effective, if the smart class technology is used in teacher education institution in future.

References

- www.bid.ata.ti
- www.smartclass.educomp.com
- www.educomp.com
- www.educompoling.com
- www.classteacher.com
- www.learnnext.com
- www.smartlearning.in
- www.idalearning.com
- smartschlloclass.htm
- Lim, Cock, lock, Brook, (2010) Innovative Practices in Pre Service Teacher Education, Boston: Sense Publication
- Li Bingade (1991), Theory of instruction (m) Belijing Peoples Education Press,