Infromation and Communication Technology in Sports

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ABSTRACT | *ICT has become an important interdisciplinary partner for physical education and sports. Computer can be used as a teaching aid, Power point presentations with the combination of Graphics, Sounds Animation and Video clips become much more attractive and effective than any other technical presentation. Computers can be applied in Sports Sciences.*

They are computerized scoring systems, computerized test and evaluation, Statistical data analysis, Bio-mechanical analysis and other aspects. Unless and until new innovated and ICT information technologies of sports are brought into daily practice, it would not be easy to get peak performance in sports.

KEYWORDS : ICT, Information Technology, Communication and Sports

INTRODUCTION

Modules have been designed for students who plan to go into professions that use ICT such as engineering, business, and computer science, or who plan to advance to higher education. These modules cover the use of advanced tools and techniques for ICT specialist. Topics include: basic and advancing programming, planning information systems, designing process control systems, and project management.

ICT has become an important inter-disciplinary partner for sports, This way physical education has its branches of Sports psychology, Sports Statistics, Bio-chemistry, Sports Medicine, Kinesiology and Bio-mechanics etc. taking into consideration its association with other disciplines and its various aspects, computer can be used and are being used in physical education and sports.

Various applications of information and communication technology (ICT) that have made a difference in the delivery of services or products in rural areas in India. To highlight successful strategies for using ICT to create a developmental impact, and to provide recommendations from the point of view of actual practitioners - for implementing various ICT applications in rural sectors in India. A considerable number of ICT applications have been implemented and well-documented in India at the district level. The focus of applications where there is much greater contact with citizens - that is, at the Talk level. ICT applications in rural development are classified here as those that: provide decision support to public administrators for improving planning and monitoring of developmental programmes; improve services to citizens and bring in transparency; empower citizens through access to information and knowledge; and expand private sector development.

ICT & EDUCATION IN MODERN WORLD

The skill in ICT are necessary as reading, writing and basic arithmetic, ICT is heavily integrated within primary, secondary and higher education systems , ICT tools are used to better organise and manage organisations, businesses and eventually improve every aspects life.

BASIC ICT SKILLS
- Computer operations
- Application software
- Internet skills
- World wide web skills

Immediate ICT needs at Educational institutions
- Infrastructure development
- Support of teacher training
- Developing or enhancing distance education delivery systems to increase access
- We are aware that our government have limited resources, hopefully the international community can help.

ICT tools to increase the quality in research
Online reviews/ assessments of scholarly work, Online research databases , Online library resources, Promoting open access policy to publications and other resources.

Special facilities for pupils with disabilities.
Teacher and pupil communications improve, ICT provides links with other schools or with businesses, Computers in schools provides wider access to ICT and encourages new ways of learning, Can repeat work again and again and again.

ICT IN ART
Creating Graphics
Some graphics packages allow for the creation of original artwork. However, art teachers are more interested in the way in which they can create patterns, complementary patterns and patterns with variety. For example in textile design, computers enable students to see an overall result with less effort than by any other method. In the design of posters and other printed matter, using more sophisticated graphical software ensures a professional product in minimum time, with the option to re-use or modify a design at will.

ICT in Music and Dance
The way ICT can change the curriculum of music is fascinating. It gives students the possibility to compose and perform musical arrangements themselves without having problems with the technical aspects of notation and playing an instrument. There is easy to use software for designing simple choreographs. This will help students to learn to perform the dancing

ICT IN SPORTS
Information and Communication technology has greatly modernized the way sports should be Through this modern technology, increased accuracy in different sporting events has become so much useful as it has helped provide reliable information, from tennis tournaments to swimming competitions. The basic features of cameras, sensors and video recording capabilities have been enhanced with the use of this innovation. It has now become so easy to cater professional as well as amateur sporting competitions around the world due to steadfast information that can simply be uploaded to the Internet to provide simultaneous broadcasting online. Some of the most important breakthroughs in the sporting world have been brought about by computer technology. For instance, the recording of information by official timekeepers and some scouts is done through a reliable automation system. They are able to record statistics, take notes and chat while attending and working at a sports event . Also, most professional sports venues have very modern scoreboards that are programmed to update statistics and information directly to a computer system. so with the use of such modern technology, almost every area of sports has become dependent of automation due to relevance that it implies to the lives of spectators all over the world. Through the help of the internet and other web services, live feeds of sports events have become so accessible anywhere in the planet.

- Research Programme : In searching reviews computer can be variously used. As per our need it can be used in storing data.
- Presentation Aid : Now a days computer is widely used as a

teaching aid. In this era of globalization black board is quit away. Power point presentations, Video clips, Animation, Graphics, Sound has become much more effective and needful, CD, DVD, MP3, are more useful in teaching. In some way computer is applied in sports sciences, scoring systems, Computerized test all evaluation can be largely followed.

- Coaching Programme : A coach keeps monitoring on the players. A computers helps us if any deficiency is found. Records of the player can be maintained for future plan.
- Selection of Players : Selection of players for various game and sports is an important for this multiple regression helps in many ways. Hence computer plays a significant role in storing research data and its analysis.
- Sports Inventories : The word "inventory" means taking maximum benefit of level stock of supplies of a particular event. Sports inventories plays an important role in game and spotrs.
- Statistical Data Analysis : Statistics is an of the major thrust area of computer application. I t is because of the multi- step calculation involved in computer techniques like ANCOVA, ANOVA and etc.
- Bio-mechanical Analysis : Today is recent time the above mentioned analysis done with the helps of computer aided graphics packages movements. At every stage of performance can be known with the helps of Bio-mechanical analysis .
- To Update the health status of the students in the School | college .
- Video Feed back for student Practices.
- Using the computer aided technologies for assessment of physical activity.
- Using Technology during typical learning context.
- To analysis the team performance at the time of competition.
- The teacher can have the self appraisal through the technology and computer.

CONCLUSION
There have been impressive developments in the field of ICT information technology and computer application in sports, Sports sciences and Physical Education throughout the last decade. ICT has established scientific discipline , Research activities such as Statistical data analysis, Computerized test and Evaluation, improve Learning and coaching, Bio-mechanical analysis and field research have evolved. In future very soon the way computer with be applicable in sports with good quality and best results.

REFERENCES

[1] Michael CHIA: John Wang Teo-koh sock miang; Quek Jin Jong ; Kiran kumar Gosin Issues Published in : Physical Education and Spotrs Pedagogy, Volume 7 . [2] White .R (1993). How computer work Emeryville, CA Ziff-Davis Press. [3] A Lexis Leon and Mattew Leon " Computer for every one " Vikas Publication House Pvt.Ltd, New Delhi. [4] Mahusen B.(1998). Using Technology In Physical Education. Champaign , Human kinetics.