Research and Development of the Innovative Informatics Education Programmes Enriched with Free Software to Cultivate the Multimedia Literacy

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Purpose:

In order to cope with the 'Era of Selection' and the global concerns about the copyright issues and the economical crisis, this study attempts to develop the quality Informatics Education programmes both for pre-service and in-service teacher education and training institutions aiming at utilizing the free software, which has been becoming more user-friendly and powerful for us end-users in terms of creating audio and video images, for the participants to consider about the trends of computer and networking capabilities represented by the 'CT and DT' with bearing the concept of ATI in mind.

Programmes Designed and Implemented:

Fig.1 shows one of the course syllabi developed and carried out in 2010, which is the one carefully revised after the initial implementations at the universities in the Philippines and in Thailand in 2009.

Fig. 2 illustrates the revised version of the collection of free software, which is available on the web as of 19 October 2010, the original version of which is compiled by UNESCO Bangkok in 2004 and distributed by CD-ROM to those who are concerned.

Pictures arranged below show the several activities in the Programme.

Fig. 1   Course Programme syllabus

Fig. 2   Useful list of free software

Presentation   Group discussion   Group presentations   Exercise   Considerations

Findings and Recommendations:

After the initial design and the series of implementations of the Course programmes in two institutions, the authors found that the programmes are relevant to the participants and will become the key foundations of the Informatics Education curriculum in the new era characterized by the 'Selection,' since almost all participants in both institutions express after the completion of the courses their will to establish the special task forces to design and develop databases of their own audio and video materials with various lesson plans and the free software in local languages especially those for sound and music creations to be effectively imported and integrated into their original materials. In order to realize their will the systemic collaborations between education institutions and private sectors gathering educators, engineers in several fields and policy makers will be urgently needed.

References:

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