Research Paper Education or Information Technology

Camptasia Player: A Medium for Effective Teaching

Deshmukh MA	Assistant Professor, College of Dairy Technology, Udgir, Dist. Latur
Kalyankar SD	Assistant Professor, College of Dairy Technology, Udgir, Dist. Latur
Chopde SS	Assistant Professor, College of Dairy Technology, Udgir, Dist. Latur

ABSTRACT

Camtasia Studio (CS) is a professional quality video production software package designed to capture, edit, interpret and organize moving action of computer screen into a computer video file. It is the ideal piece of software for creating, editing and distributing interactive multimedia video tutorials for any range of computer software applications. The component of CS are adding caption to recorded lectures & power point presentation, create tutorials, visual training materials & use as an assessment tool. Thus by using CS teacher will have the opportunity to create and edit short video snips. CS helps in creating training material or demonstrating a software feature on-line and allows editing newly created video, also to save it in multiple formats. It is one of the desktop recording applications that adapt the work flow by keeping track of on-screen action. It makes the final editing process much easier and quicker.

KEYWORDS Computer Application, Camtasia Studio, Teaching medium, Classroom Software.

1. Introduction

Computers are known to be useful for promoting learning experiences, learning about various subjects, i.e. using Computer Assisted Learning software. Learning is usually interactive and can be reinforced over and over. On the other hand, computer is playing very effective role in the teaching field to give presentation on MS-PowerPoint with moving slides, it also uses images, audio/video recording, etc. but many of them are not supporting with application program, hence it has to convert into another supporting format.

Computer uses in education are proliferating –studies, computer uses to enhance teaching and learning in almost every field, every age group. The majority of these studies are comparisons of traditional methods vs. computer-based but rarely anything on the methods and strategies of teaching computer application software Hu,J. (2005). Presentation of software instruction has been supported by manuals and textbooks consisting of screen captures but a multimedia approach may increase learning outcomes. (Veronikas, S.& Maushak, N.(2005) students learning styles and learning experience with instruction were collected through the Internet and the result of a multiple regression analysis revealed that sensing, sequential and reflective learners tended to have a more meaningful learning experience with intuitive, global and active learners. Choi, I., Lee, S.J. & Jung, J.W. (2008).

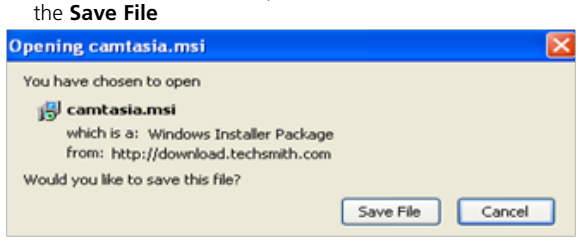
Camtasia Studio desktop video/audio capture application software, instructors can easily create asynchronous, online learning Performance Support Tutorials. These tutorials have been created for Algebra, Computer Programming, Web Design, Biology, Accounting, Nursing and many other courses Story, A. & Feinstein, M. (2004). Additionally, it is much less expensive and does not require the students to purchase or install any additional software as it is capable of producing standard multimedia files in several different formats, all of which are easily played by multiple computer operating systems.

Download and Installation of Camtasia Studio

To download, go through www.techsmith.com site. As enter in it, there is the Camtasia Studio with including various versions; also the Trial version is present with fully-functional and run for 30 Days after installation.

a. Enter email-ID and Right-click on **Download Camtasia Studio** button

b. The following massage box is appearing on the screen. **Cancel** is for cancel the process but user have to click on the **Save File**



c. The .avi file will downloading in the **Download** folder

d. After download, file can use it for installation.

To installed Camtasia Player, select **Control Panel > Sounds and Audio Devices > Hardware tab.**

1) Right-click on an .avi file in Windows Explorer
   On Windows XP, select **Open With > Choose Program.**
2) The Open With dialog box appears. Click **Browse.**
3) Find and select: C:\Program Files\TechSmith\Camtasia Studio\CamPlay.exe
4) Click **Open.**
5) Enable the **Always use the selected program to open this kind of file** option.
6) Click **OK**.

2. Contribution of Camtasia Studio Software in the Class room

The traditional blackboard approach is gradually giving way to more interaction between the instructor and students. Multimedia can be defined to be multiple forms of media (text, graphics, images, animation, audio and video) that work together. It is unparalleled in its ability to disseminate information quickly and accurately Eskicioglu, A.M. & Kopec, D.(2003). video or moving screen capture they perform a rather simple yet powerful service. Video screen capture can record whatever is displayed on a computer monitor but instead of a single screen dump, video screen capture allows user to record monitor's image over time and create, as the name implies, a movie of what is happening on the screen. Nickerson, M. & Bryner, J. (2002). This is because of the myriad of contingent factors that have been shown to moderate multimedia effects. Hede, A. (2002). Camtasia Studio is one of the most effective ways of teaching that is used to create a video to

run through the actual mouse movements that make and type keys to achieve result. It records all this, with an audio track so that it includes a narration or comment. It enables us to assemble a video from a number of clips too, which is essential if not completely fluent in front of camera. Clips can be positioned on a timeline or storyboard, reordered and edited by trimming sections out of them (www.itreviews.co.uk)

Students also shared reasons why they believed them effective, commented on problems, and made suggestions for improvement in response to open-ended questions. These benefits and problems can be interpreted in terms of many of principles for multi-media instruction. Mayer's(2001,2005) another implication of this study is that the contributions of the kinesthetic modality should be considered as well as those of the visual and auditory modalities. Wilson, H. & Jiao, B. (2008).

Camptasia supports diverse student learning styles is by supplementing their face-to-face instruction before class. An added benefit of doing this, and it leads to more productive classes because students already have some familiarity with the content also they become more engaged and actively participate in their education (www.facultyfocus.com).

3. Record Caption Lecture

Screen-capture based video software allows instructors to easily capture the action and sound from any part of a Windows desktop as well as the narration, and saves it to a standard movie file or even streaming video for the distribution on the Web Yuen, S. (2004). Camtasia Studio's Open Captioning feature provides onscreen text, so lectures videos will be accessible by hearing impaired students. Or, it could provide subtitled lectures in several languages.

Before adding captions in Camtasia Studio, recommend for creating a prepared script in Microsoft Word. This allows to save caption text for future use and also to check for spelling and grammar errors before pasting it into the scripting text box.

To Add Captioning to Video.

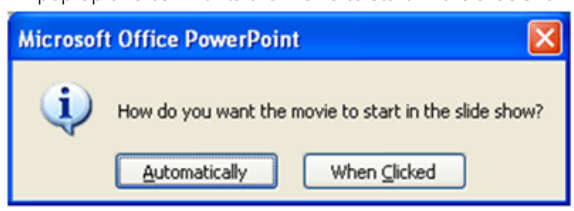
1) Click the **Captions** link in the Task List.
2) The Camtasia Studio screen appears. This screen gives instructions for how to create Automatic Open Captions. Once read the tip screen, click **Close.**
3) To enable the **Paste** button, first copy the desired caption text to the clipboard.
4) In the Open Captions task page, click the **Paste** button to paste script into the scripting text box. This creates first Caption Point. The caption text is placed on the video within the Preview Area.
5) Click the **Start** button to begin setting Caption Points that syncs script with the audio. The video begins to play back from the beginning of the Timeline.
6) To set a new Caption Point, click on any of the words within the scripting text box.
7) A Caption Point is set at the exact location. As a result, three lines of text turn from red to black. The rest of the text is updated in red to indicate where the new caption should begin.
8) To create your captions, the Preview Area and the Timeline are continually updated. Continue to set Caption Points until all of your text has been used.
9) Click the **Stop** button to end the captioning process and **Finish** to exit the Open Captions task page.

4. Adding Visuals in PowerPoint Presentations

Videos and screenshots make PowerPoint presentations more memorable and effective. Camtasia Studio allows embedding video clips within PowerPoint slides. Create and show a video that lasts as long as from just a few seconds to a few minutes Teacher can often use Camtasia Studio to combine information from different multimedia sources into their PowerPoint presentations. Integrating real-world video examples with the theories being taught really brings knowledge alive for students.

To add a video to a PowerPoint slide:

1) In PowerPoint, open the presentation into which, like to embed the video.
2) Move to the slide where would like to add video.
3) Select menu options **Insert > Movies and Sounds > Movie From File**. PowerPoint's Insert Movie dialog appears.
4) Use the Insert Movie dialog to browse through desktop's files and folders, and locate the video would like to embed.
5) Select the video and click **OK**. A PowerPoint dialog will pop up and ask wants the movie to start in the slide show.



6) Select **Automatically** if you would like video to play automatically, or select **When Clicked** if you want the video to start in the slide show only after click on it.
7) The first frame of Camtasia Studio video should appear on the slide chose to embed video on.
8) To edit play options such as looping and rewind, right-click on embedded video and select E**dit Movie Object.**

5. Record Your PowerPoint Presentation

Slides alone cannot convey the true richness of lecture; because it is missing the most important ingredient is Teacher. Camtasia Studio records entire presentation, so that students can benefit from more of expertise. Whether teacher work in a virtual or traditional classroom, Camtasia Studio makes a PowerPoint presentations work harder to record lectures and publish to CD-ROM for student studying purposes and also to post lectures to college website for archival and review outside of the classroom.

To record the PowerPoint presentation

1) On the Camtasia Studio toolbar, click on the **Record Audio** tool.
2) Click on the **Record** button on the Camtasia Studio toolbar. If a tip dialog box appears, read the tip and then choose **Close.**
3) Both the slide show and recording will begin immediately. Move through the PowerPoint presentation slides as normally would, speaking into the microphone as you go in order to record the voice narration.
4) Once the end of the show is reached, press the <Esc> key to end recording (www.techsmith.com).

6. Conclusions

Educational technology tools such as those described, when properly used in appropriate courses, are beneficial for various reasons including those mentioned herein. The startup and subsequent cost of these tools and their use is very small. Teachers can experiment with these technologies with very easy. Camtasia software helps the students for better understanding and enables them not to miss anything if they did not take notes and followed the instructor attentively.

REFERENCES

[1] http://www.techsmith.com/ | [2] http://www.facultyfocus.com | [3] http://www.itreviews.co.uk/software/s692.htm | [4] http://www.editlib.org/noaccess/13046 | [5] Veronikas, S. & Maushak, N. (2005). Effectiveness of Audio on Screen Captures in Software Application Instruction. Journal of Educational Multimedia and Hypermedia, 14(2), 199-205. Norfolk, VA: AACE. | [6] Wilson, H. & Jiao, B. (2008). How Effective Do Students Perceive Different Types of Multi-Media Deliveries of Course Content?. In C. Bonk et al. (Eds.), Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2008 (pp. 221-226). Chesapeake, VA: AACE. | [7] Hu, J. (2005). Tutorial Formats and their Effectiveness in Computer Application Software Teaching. In G. Richards (Ed.), Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2005 (pp. 2113-2119). Chesapeake, VA: AACE. | [8] Choi, I., Lee, S.J. & Jung, J.W. (2008).Designing Multimedia Case-Based Instruction Accommodating Students' Diverse Learning Styles. Journal of Educational Multimedia and Hypermedia, 17(1), 5-25. Chesapeake, VA: AACE. | [9] Eskicioglu, A.M. & Kopec, D. (2003). The Ideal Multimedia-Enabled Classroom: Perspectives from Psychology, Education, and Information Science. Journal of Educational Multimedia and Hypermedia, 12(2), 199-221. Norfolk, VA: AACE. | [10] Hede, A. (2002). Integrated Model of Multimedia Effects on Learning. Journal of Educational Multimedia and Hypermedia, 11(2), 177-191. Norfolk, VA: AACE. | [11] Yuen, S. (2004). Screen-Capture Based Video: A Powerful Teaching Tool. In R. Ferdig et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2004 (pp. 2779-2780). Chesapeake, VA: AACE. | [12] Nickerson, M. & Bryner, J. (2002). Using Advanced Screen Capture in Support of Educational Technology Instruction. In D. Willis et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2002 (pp. 1125-1126). Chesapeake, VA: AACE. | [13] Story, A. & Feinstein, M. (2004). Creating Performance Support Tutorials for Online Learning. In L. Cantoni & C. McLoughlin (Eds.), Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2004 (pp. 931-935). Chesapeake, VA: AACE. | [14] |