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Transformation of Learning Resource Centres in the Digital Era

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Transformation of Learning Resource Centres in the Digital Era

Department of Library, K.S.Rangasamy College of Technology (KSRCT)
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Open Source Digital Storytelling Tools for Learning Environment

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Abstract

Digital Storytelling is an interactive way of teaching and learning. Communicating through visuals is more attractive and also understandable. 90% of information transmitted to our brain is visual. Digital storytelling combines text, pictures, audio, and video. Taking lectures for hours rather than explaining them in five minutes makes a huge difference in classroom teaching. Using a free online tool will assist in creating digital stories in less time. This paper concentrates on digital storytelling, its importance in teaching, suggesting some online free platforms for creating digital content, and how libraries can promote interactive teaching via digital storytelling.

Keywords: Teaching, Academic Library, Content Creation, Multimedia, Storytelling.

Introduction

Storytelling is an activity followed by human beings from primitive ages, which is the prominent wealth given by our ancestors. Telling stories with the help of digital components is called digital storytelling. It supports teaching immensely. The practice of using computer-based technologies to create stories is called as digital storytelling. Digital documentaries, computer-based narratives, digital essays, electronic autobiography, interactive storytelling, and a host of other terms are also used to describe stories. However, they all generally refer to the idea of combining the art of storytelling with various forms of multimedia, such as graphics, audio, video, and Web publishing.

Similar to conventional storytelling, the majority of digital stories have a distinct theme and point of view. However, as the name suggests, digital stories typically include a combination of computer-generated graphics, text, audio narration that has been recorded, video clips, and/or music. Although the length of a digital story might vary, most of the ones used in education typically endure between two and ten minutes.

Importance of Digital Storytelling

65% of people are visual learners, visual presentations are 43% more effective, and 90% of information delivered to our brains is visual. 93% of all communication is nonverbal. Visuals grab attention and enhance feelings to words communication.

Visuals are processed by the brain 60,000 times more quickly than text. For 40% of people, visual content is more engaging than text. 50% of our brain is active in visual processing. The ultimate goal of teaching is to convey the content and make it understandable to the learners. Digital storytelling enhances teaching and also be an alternative to conventional classroom teaching. There are some types of content storytelling personal narratives, teaching materials, and stories to inform and instruct. Digital storytelling is a form of content creation.

Review of Literature

Bernard R. Robin. (2006) has explained the practice of digital storytelling, how it can be used to supplement classroom education, and how students who learn to make their own digital stories develop a variety of reading abilities. Discussed the relation to the resources that can be used to facilitate the use of digital tools in education needs to be undertaken using stories as a tool for instruction and learning.

Dandan Zhao. (2021) has analyzed the understanding of a graph is a visual recognition process of the graphic object. The transmission, perception, communication and resonance processes allow the audience to experience the intangibility of the design effort that underlies the tangibility. The visual effect awakens the audience's unconscious mind, achieving the intended concept of information appeal transmission.

Objectives

- To list out some tools which support digital storytelling
- To list out the advantages of digital storytelling in learning
- To explore the impacts of storytelling
- To find out services to encourage digital storytelling in libraries.

Four Forms of Storytelling

1. Textual
2. Pictorial
3. Audio
4. Motion picture

Textual Storytelling

Writing digital stories is as like conventional writing but in digital format. With good writing skills freely create digital content online. There are many free platforms providing space for textual content. It can be a short story, lecture notes, etc.

Table: 1 Textual Storytelling Tools

Pratilipi	Story Mirror
Users can submit and read creative writings such as essays, stories, poems, and articles. Additionally, readers can subscribe to authors, rate the content that others have contributed, and message other readers. Only Hindi and Gujarati were available as content options on the platform when it first launched. Later, it added Bengali, Marathi, Kannada, Tamil, Telugu, and Malayalam to its list of supported languages.	Story mirror is a content creating platform 11 million readers, 1 lakh writers, 10 languages, 750 physical books, 3000 eBooks, 30 national Best-sellers. Publish Story, Poem, Audio and Quotes and blogs. Create a Custom Cover Image. Get your dream book published with StoryMirror.

Features

- Support multiple languages
- Text formatting
- Sharble
- Provide reading materials for reference
- Create a network with other authors
- Conducting events and providing awards

Pictorial Storytelling: Just like the writer has a pen, a photographer has a camera. A picture is one single moment in an event of time. Narrative Photography is a picture that should narrate an event in a single frame. The library preserves pictorial records while conducting events, mindmaps, infographics, illustrations, and emojis are examples of **pictorial** storytelling. There is a huge number of online platforms for picture editing.

Features

- It should expose the current situation
- Include multiple interpretations
- Lead to a clear-cut conclusion

Table: 2 Pictorial Storytelling Tools

Narrative Photography	Paperturn
Whether it be something obvious, like the beauty of a flower or the celebration of a holiday, or something more complex and abstract, photographs have a special capacity to convey a message and tell a narrative.	Convert any PDF into a flipbook. Just upload PDF to Paperturn and it will be transformed automatically for free.

Audio Storytelling: Conveying messages in a form of audio is easier than pictorial and video. The audio content may be lectures, minutes of a meeting, feedback, etc.

Features

- Feature for recording and uploading
- Storing previous
- Edit the audio
- Easy sharing

Table: 3 Audio Storytelling Tools

Anchor	Audacity
Tools for uploading, recording, and editing are all built in, making it simple to make and publish episodes. With just one swipe, you can share your podcast across the most widely used listening platforms, such as Spotify.	Is an application can download in widows, Linux, mac, Legacy Windows. Free, open source, cross-platform audio software.

Storytelling via Motion Pictures

Videos easily convey the story's content because it combines text, motion pictures, and audio. Just concentrates on people, place, plot, and purpose.

Videos make the full engagement of the audience. Videos can be slide shows, presentations, advertisements, short films, promos, etc.

Features

- Feature for creating and uploading.
- Enable tools to include other multimedia elements.
- Easy sharing.

Table: 4 Video Storytelling Tools

Clipchamp	Powtoon
Utilize well-known free video editor to quickly and beautifully produce videos. If it has to do with video, Clipchamp is the perfect place to start, whether you need to speed up uploads, save money on storage, or produce a whole video from scratch.	Powtoon can create animated presentations. With the help of pre-made objects, imported photos, given music, and user-created voice-overs, users of the web-based animation programme.

Canva

A platform for graphic design known Canva is used to produce social media graphics, documents, posters, presentations, and other visual content. The software offers users templates they can utilise. For more capability, the site now provides paid memberships like Canva Pro and Canva for Enterprise. Canva introduced a video editing function in 2021. Users can also pay for printed and sent tangible goods. Has digital white board, A4 document, Book mark, infographics, presentations, comic strip, flyer, video, video message, logo, album cover.

Advantages of Digital Storytelling

- Storytelling method of teaching gives innovative and interactive learning.
- Anyone at any time anywhere.
- Instead of a conventional method adopting new things will change the way of teaching and learning.
- Make students aware of technology and get practice with it.

Conclusion

Digital storytelling is the best alternative way for easy teaching and expressing thoughts. In the 21st century, everything become digital and interactive. Teaching also should adopt this kind of update improvements. A simple change in the way of teaching may result in enormous changes. A library is a place to disseminate information and a facility to access new technology, so it is a duty of a library to provide facility for this. Users definitely need a noiseless environment to create audio and video content with the requirement of some devices like a computer with internet, webcam, headphones, etc.

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