Usage of Audio-Visual Methods in Modern Teaching

Shirisha Anumolu
Asst. Professor
OMVVIM Degree College
Morbi, India.
shirisha.84suresh@gmail.com

Abstract – **In my Paper I would like to present how I have selected movies of different genre while teaching the concepts like science fiction, historical fiction, Crime fiction and gothic fiction through audio visual aids**

Keywords – **Audio, Video, Crime, Fiction.**

I. INTRODUCTION

One Can Witness tremendous changes are taking place rapidly in each and every filed using the technology is highly demanded and required to acquire desired result in every filed. Teaching has never been easier when you have the right tool and right methodology to deliver information in an engaging and creative manner. It is a proven theory that visualization of something brings better understanding than oral presentation student remember better and long run even when they watch something.

II. APPLICATION OF AUDIO – VISUAL IN TEACHING

Following are the benefits of application of Audio – Visual in teaching.
- Audio – Visual aids such as posters, electronic presentations and movies can be used to explain concepts and to make the presentation more interesting.
- Using Audio – Visual can improve the Visual and Auditory perception of Students.
- The attention span of students has been found to be longer when using Audio – Visual aids.
- Audio – Visual materials such as movies, documentary Videos and images can help students gain a broader view of a subject enabling them to understand concepts around the subject holistically.
- Additionally Audio – Visual can enhance the learning process by creating a more engaging and exacting learning environment between the teachers and their students.

When it comes to my method of teaching the concepts like science fiction first I explained definition and what are the elements to be found included by the author in general besides science fiction as a theory. I used movies as a tool to elucidate the concepts. I have shown them movies like Aditya 369 where it deals with the invention of time machine a funny way. It shown how advancements in the field of science advancements in the field of science affects the life of humans and how the time machine helps us to travel to past or future by setting time period in it. Along with this movie i half taking 2.O and Robot as the depicts how the advancements in the technology and its usage causes of harm ecosystem and brings imbalances in it and how it ruthlessly throw us in the pit of danger. I have used projection to show the clips from the movies to explain about science fiction.

When it comes to the teaching of historical fiction. I have shown the clips from Padmavati and Bajirao Mastani. In this genre usually author includes the elements like history of the particular period, their attire, their language, customs, rituals, manners, general, political and social elements of that particulars period. Being a lecturer if I give the theory it will be difficult to get the images of the attire & language etc. in their mind. Showing the clips from the movies leaves a better impact of that period in their minds.

When it comes to the crime, fiction at the beginning reader don't know how the crime has taken place. Who are accused and victims. Their exist Innumerable twists and turns chasing police and CID suspects someone and at last mystery will be resolved and novel ends with good people will be justified and criminals are punished. Telugu Movie Ramakrishna Tenali serves as a best example for this purpose.

When it comes to Gothic fiction supernatural, haunting of Ghosts, Spirits, Devil dilapidated buildings are included. It is difficult to depict such kind of things with the help of words efficiently when we show the picture which include the Gothic elements such as images and ghost represented by the character and action will be accompanied by music which arouse tension fear and serves the purpose in a better manner.

VI. CONCLUSION

We can make interactive session paying more interest to students by using all this matters and making students enjoying the lesson at their class room in their education.

REFERENCES

[1] David Z. Pan, Senior Member, IEEE*, Bei Yu, and Jhih-Rong Gao "Design for Manufacturing With Emerging Nanolithography*" IEEE Transactions* on Computer-Aided Design of Integrated Circuits And Systems, Vol. 32, No. 10, October 2013 (9, Regular)

[2] M. Lu, et al., "Novel customized manufacturable DFM solutions," *Proc. SPIE Photo mask Technology 2012,* vol. 8522, pp. 852223, December 2012.

[3] Sergio Gomez and Francesc Moll. "Lithography aware regular cell design based on a predictive technology model." *J. Low Power Electronics, 6(4):1–14, 2010*

[4] B. Le Gratiet, F. Sundermann, J. Massin, et al., "Improved CD control for 45-40 nm CMOS logic patterning: anticipation for 32-28 nm", In proceedings of *SPIE Vol. 7638,76380A (2010)*

[5] Shi-Hao Chen, Ke-Cheng Chu, Jiing-Yuan Lin and Cheng-Hong Tsai "DFM/DFY practices during physical designs for timing, signal integrity, and power*" 2007 IEEE conference.*

[6] Wing Chiu Tam and Shawn Blanton "To DFM or Not to DFM*" IEEE Asia Pacific Conference on Circuits and Systems, 2006.*

[7] Raina Rajesh "What is DFM & DFY and Why Should I Care?*" INTERNATIONAL TEST CONFERENCE 2009*

[8] Garg Manish, Kumar Aatish "Litho-driven Layouts for Reducing Performance Variability" *IEEE 2005*

[9] Daehyun Jang, Naya Ha, Joo-Hyun Park, Seung-Weon Paek "DFM Optimization of Standard Cells Considering Random and Systematic Defect" *International SoC Design Conference 2008*

[10] Sergio Gomez, Francesc Moll, Antonio Rubio "Design Guidelines towards Compact Litho-Friendly Regular cells" *SPIE Photomask Technology 2012*

[11] "Design for Manufacturability" http://www.mentor.com/blogs/

[12] "Litho Friendly Design kit, a tool of DFM strategy", (http://www.eetimes.com/electrical-engineers/education-training/tech-papers/4130133/Litho-Friendly-Design-Kit-A-Tool-of-DFM-Strategy).

[13] Y. Borodovsky, "Lithography 2009 overview of opportunities," in *Proc.Semicon West*, 2009.

[14] J. A. Torres, "Layout verification in the era of process uncertainty: Target process variability bands versus actual process variability bands," in *Proc. SPIE Design Manufacturability through Design-Process Integration II*, vol. 6925. 2008, pp. 692509-1–692509-8.

[15] A. Carlson and T.-J. Liu, "Negative and iterated spacer lithography processes for low variability and ultra dense integration," in *Proc. SPIE Optical Microlithography XXI*, vol. 6924. 2008, pp. 69240B-1–69240B-9.