



CHRONICLE OF HUMANITIES AND CULTURAL STUDIES

A Peer Reviewed Bimonthly International Journal

Special Issue on the Occasion of NAAC sponsored seminar on
Use of Technology and E-Content in Teaching and Learning

23rd September, 2019



Issue Editors

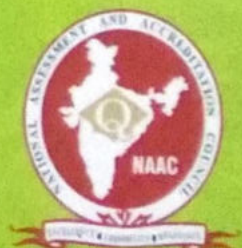
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11.

E - Content for Effective Teaching and Learning**Kulkarni.S.S¹ & P.D.Gaikwad²**

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Abstract: -As demands for deeper and more complex student learning have begun to think more systematically about how to improve students learning from recruitment, for developing students quality based education, strength and effectiveness in teaching needs collaboration, critical thinking, complex problem-solving, effective communication and motivation . In 21st of century E- content learning is fast recent trend all over the world. E- contents are developed for effective teaching and learning of different streams. in this paper uses of E-contents are suitable for different accepts in physical science.e-content development aspects consists of six phases Which are useful for learning and teaching. Also,e content includes different methodology,these methodology are delivered through with the help animation,audio-video, documents etc. E content focuses on Self Evaluation.

Keyword: E-content, module, simple designing phase, SWOT, simple learning content

Introduction: e-learning and its role in physical sciences by outlining key terms, the components of e-learning, its effectiveness,needs for implementation,self evaluation strategies for e-learning, e content phases and its designing methodology, and how e-learning is beneficial for teacher and student are in day to day life style are described in this paper.

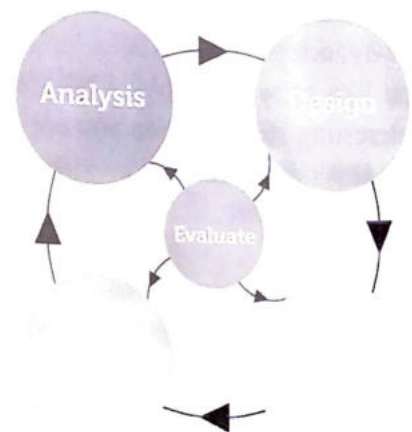
E-learning is the use of Internet technologies to enhance knowledge and performance of student and teacher.for effective teaching role of teachers as well as students are important.nowadays higher education is under pressure with demand rising and more complex but resources are limited. Researchers have investigated e content for making effective teaching and learning There are many studies in education but implention is not at all.

This paper represents different module which is subpart of e content for learning and teaching,e content will be more interactive and benifiacal than traditional methods in learning process[1].

Need of e content : Information technology and the Internet are major drivers of research, innovation, growth and social change. e-content includes all kinds of content created and delivered through various electronic media from such as audio visual effects,

animation, document, ppt, text. the aim is to discover the needs of e-content as part of alternative teaching method in education especially in physical science stream [2].Physical interaction from students in learning is important because it shows the effectiveness of teaching. E-content in e-learning concept can be considered as the advancement of current technology whereby it contributes in terms of delivering messages and infos interactively.

Phases of e content: In e-content development aspects consists of six phases viz., analysis, design, development, testing, implementation and evaluation.



1)The Analysis Phase: It is the most important as it identifies what are the requirements of students and how can we make it simple as possible as.in this phase we are evaluate SWOT the strength means potential,weakpoint what are lacks behind progress,outcome, toughness.

2)The simple Design Phase: It involves the complete design of the learning solution. It helps to plan of an e-content preparation. In this phase we makes the effective contents like doc, audio video,power point presentation,animation etc..

3)The Development Phase:its most important phase for creating the e-content by combination of ppt, audio, video, animations, doc, links, and MCQs (multiple choice questions),feedback with some programming specifications like home, exit, next download,share etc.

4)The Testing phase: In this phase, we must test the problem, 3D effect, relevant videos, quality audios, timing of animation.

5)The Implementation Phase: This phase explains how to install and how to use it and their difficulties experienced while using e-content. It checks the product accuracy and quality maintenance.

6)The Evaluation Phase: It helps to satisfy the e-content and its Simplicity.

Methodology for e content

The designing of an e-learning content will involved following methodology

1 Expositive method - which emphasize “absorption” of new information. Expositive methods include module,ppt, short term project,examples, demos,etc

2 Application methods - which emphasize the active processes learners use to perform procedural and principle-based tasks and build new knowledge. In this method we include practicle of experimental work, multiple choice questions,group discussion ,research work, study tour

3 Collaborative methods - which emphasize the social dimension of learning and engage learners sharing knowledge and performing tasks in a collaborative way. They include online group study, collaborative work.Each method can be delivered in different formats, using different ways. For example, online video presentation. Through cell phone audio videos sharing of ideas.

1.0 Expositive methods

In Expositive method students will understand the content,making self notes. In this method With the help of test,assignment evaluation are done.

Expositive methods include:

> module: collection of applications based data for students.

>short term project: making project specific content.

> demos: explanations of given task in projects n their solution.

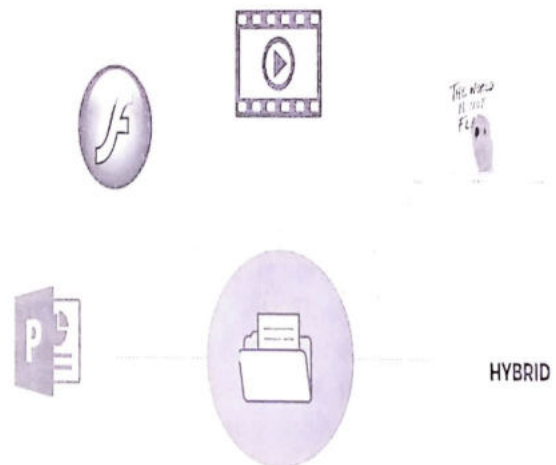
e learning content of Expositive method will be delivered through these format

1) Simple learning content, sharing of files,ppt,doc,e notes etc.

2) Interactive e-lessons include images, audio, video,animation

3) e content subject file audio video are available online so that it can stored,download,shared with anyone.

4) virtual classroom are available for group chats, seminars, discussion.



Different Presentation Formats

Benefits of e-Content: Time is most expensive things of life so we can manage it and be touch in with our subject content. E-learning gives degree n education which makes better life. E-learning also gives extra subject knowledge through sharing and interacting between students n teacher. .student get deep knowledge. It encourages students’ knowledge ownership.t brings critical thinking, knowledge and understanding.

Conclusion: Educators to develop better teaching method will develop student's learning skill but will improve educator's method of teaching provide personalization of learning.

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