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## A SURVEY PAPER ON E LEARNING IN EDUCATION AND THE ROLE OF LEARNERS

S. Anthony Philomen R<sup>#1</sup>, Vidyaathulasiram<sup>#2</sup>, Praveena R<sup>#3</sup>

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**Abstract** — This review paper is about the various kinds of e-understudies. E Learning has been one of the first patterns in instruction. It is broadly accepted to understanding understudies learning style and references can profit the two understudies and educators. Understudies can learn in various methods for learning. There is no potential approaches to change the learning methods for every understudy in the study hall. The understudies can distinguish their taking in styles from the students as per their needs. Learning methods can assist our understudies with getting increasingly amped up for the subject and comprehend the certainties.

2. Semantic Level
  3. Pragmatic Level
- Syntactic Level** - Gain the knowledge to understand the learners to acquire them and learn the process.  
**Semantic Level** - Analysis the learning skill for the related words are able to successfully process in new complex situations. It has the ability to understand the method, knowledge is used for maps and table for the problems.  
**Pragmatic Level** - Apply the knowledge to evaluate them and applied the particular problems for the tool used in quality and quantity.[4]

Keywords: Learning - E-Learning - E-Learning styles.

### INTRODUCTION

The E-learning is one of the educational course to study in online setting. To e-learn methods in schools, corporations. To help the learners for complete education and training objectives. These techniques are used such as audio, video recordings, presentation, quizzes, survey, discussion. Another way to learn also by using the system and mobile. To involve in learning and understanding the learning methods. There are different things use for literature is learning and cognitive style, sensory preference and personality types.

The two models of E-Learning are synchronous e-learning and offbeat e-learning. E-learning, here characterized as learning and showing on the web through system innovations.

### LEARNING STAGES

There are 3 stages in learning.

- 1) Accretion
- 2) Restructuring
- 3) Tuning

**Accretion** Insert he knowledge for the established structures to learn the existing knowledge for normal kind of learning.

**Restructuring** - It is most significant process for interpreting the new information gathered for restructuring.

**Tuning** - Efficient knowledge of learning is also existing memory for the knowledge structures. It involves the evolution of old memory structures into new ones.

### LEVELS OF LEARNING

There are three levels of learning. They are:

1. Syntactic Level

### E-LEARNING ARCHITECTURE

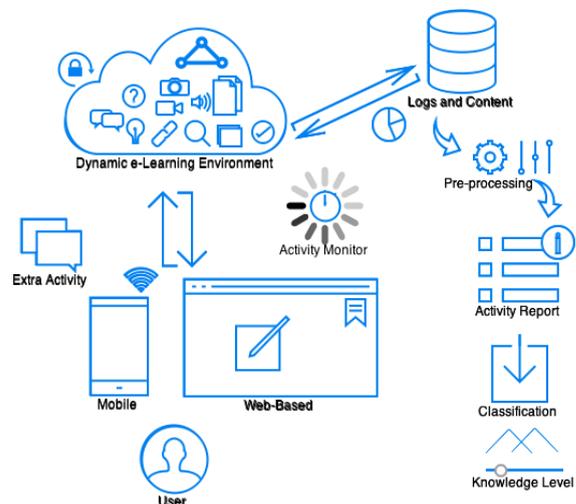


Fig 1 Architecture of E-Learning

\* Corresponding author: E-mail: philomen@shcpt.edu, vidyaathulasi@gmail.com, snaveen764@gmail.com

<sup>1</sup>Assistant Professor,, Dept. of Master of Computer Application, Sacred Heart College, Tirupattur,, Tamilnadu, India.

<sup>2</sup>Department of Computer Science, Government Arts & Science College for women,, Tamilnadu, India.

<sup>3</sup>Student, Dept. of Master of Computer Application, Sacred Heart College, Tirupattur,, Tamilnadu, India.

## E-LEARNING MODELS

- 1) Situation Cognition Theory
- 2) Sociocultural Learning Theory
- 3) The ADDIE Model
- 4) Merrill's Principle Of Instruction
- 5) Individualized Instruction
- 6) Bloom's Taxonomy of Learning Objectives
- 7) The SAM Model

## SITUATION COGNITION THEORY

This theory is mainly used for doing the suited knowledge to bound some specified activities. The activities are extended by social, cultural and physical extents. This can be collect from the separate context.[5] To create the environment where the students have to learn the skills, new ideas, which will be used at later time.

## SOCIOCULTURAL LEARNING THEORY

This theory has association between creating individuals and the way of life in which they live. It proposes for the human learning is an enormous procedure. They suggest three keys are:

1. Culture
2. Language
3. Zone of proximal Development

### Culture

The culture was actually formed to use from the tools and symbols. We can learn the tools are being provided in the culture. The ability of the learners is to grow an individual and increase their knowledge.

### Language

It is a direct result of tools and the symbols to emerge in the culture. It has a variety of social events, scenarios and processors, which all result in the language.

### Zone of Proximal Development

To existing between a learners is possible for the educational development to solve the problem activities and the development takes place.

## ADDIE MODEL

The ADDIE signifies "Analysis Design Development Implementation Evaluation". It is used for the nonexclusive strategy that has been generally used for the instructional planners and getting ready designers. [6] The result of this model is

**Analysis>Design>Development>Implementation>Evaluation**

### Analysis Phase

The goals and objectives are established for the learners to exist their skills is identified. To identify them by using audience and timeline of the project.

**Design Phase-** It arrangements are utilized with the learning targets, works out, content, exercise arranging and media determination. This structure stage ought to be deliberate and explicit.

**Development Phase** -The improvement stage is the place the designers are make and amass the advantages which has been made in the advancement stage.

**Implementation Phase-** It has technique for preparing for the students is created. It ought to have the learning results and the strategy for convey for testing systems. It has the stage which task guarantee the books and devices.

### Evaluation Phase -

The assessment stage comprises of two sections: developmental and summative. Developmental is available in each phase of the ADDIE procedure. Summative comprises of tests intended for space explicit foundation from the clients. [6]

## MERRILL'S PRINCIPLE

This principle is used most effective learning processes for five distinct

- To promote learners is to solve real-world problems.
- To promote for the existing knowledge is activate and they find a new knowledge.
- To promote for the new knowledge has demonstrate for learner.
- To promote for new knowledge is apply to learner.
- To promote for new knowledge is integrate in world. [1]

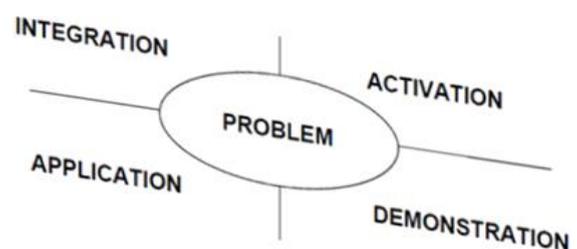


Fig 2 Merrill's Principle Diagram

## INDIVIDUALIZED INSTRUCTION

This enables every understudy to spur themselves. And furthermore understudies move to their own place through a dimension of topic to use instructing/learning methodology it licenses ideal advancement. They are improved shot of maintenance of learning. The educator assumes the job of the guide and can help the students at explicit purposes of trouble learners.[4]

Individualized Instruction focuses on 4 key standards:

- Learners ought to have the option to finish the work self-governing. Subsequently, they have the chance to concentrate without anyone else qualities and regions for development.

- Each exercise ought to be trailed by an appraisal to measure student advance.
- Written learning materials are favoured over introductions.

- Facilitators bolster students and include a dimension of social intelligence to the experience.

## BLOOM'S TAXONOMY OF LEARNING OBJECTIVES

This model is used for three hierarchical models used to classify the learning objectives. It is very important to the content of education because the teachers tells a great deal in which they must teach so students to succeed in the higher level thinking. The specific process include: Remembering, Understanding, Applying, Analysing, Evaluating and Creating.[6]

## SAM MODEL

Progressive Approximation Model is an Agile Instructional Systems Design Model. It is acquainted as an option with ADDIE and furthermore accentuates coordinated effort, productivity and reiteration. The key distinction among ADDIE and SAM is includes progressively methodical or straight system. SAM is increasingly repetitive, and make the perfect for e learning ventures in a littler degree. [3,6]

## E-LEARNING PLATFORM TOOLS

- Communication Tools
- Productivity Tools
- Student Involvement Tools
- Course Delivery Tools
- Curriculum Design Tools

## DEFINITION OF LEARNERS

Students is characterized the unpredictable way in which and conditions under which students most viably procedure, store, and review to learn. It makes a qualification between learning methods and subjective styles. It demonstrates that learning methods are seen more as far as the methodologies. The students use to manage learning, and are viewed as less steady. [6]

## Characterization of Learners

The talking learning methods can be arranged into three sorts: psychological, character and tangible. Psychological incorporates the diagnostic/worldwide, field ward or field autonomous and hasty/intelligent learning methods. Character learning methods incorporate outgoing/contemplative, irregular natural/concrete successive, and conclusion arranged/open situated. Tangible learning methods are partitioned into three sub-types: visual, material/kinaesthetic and sound-related.

## SORTS OF LEARNERS

There are various sorts of students in e-adapting, for example,

1. Visual Learners
2. Aural/Auditory Learners
3. Persuing Learners
4. Kinaesthetic Learners

## VISUAL LEARNERS

Visual learners can seeing some tools like diagrams, flowcharts, pictures and symbols. This can be understand new concepts. The lectures also neglect the visual concepts. It is difficult for visual learners focusing long lecture. Taking notes is very useful. Instead of taking notes we can use symbols. Visual learners can easily recall by images where seen[5].

In the Figure 3, the agent receives an input  $i$ , current state  $s$ , state transition  $r$  and input function  $I$  from the environment. Based on these inputs, the agent generates a behavior  $B$  and takes an action  $a$  which generates an outcome.

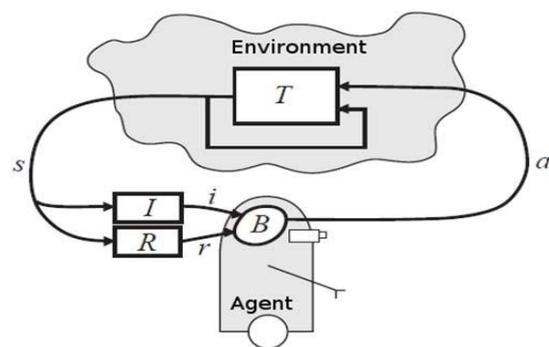


Figure 3 - Transition environment

## AURAL/AUDITORY LEARNERS

Sound-related students learn through tuning in. All things considered, going to addresses, instructional exercises and gathering talks are fundamental for the students. On the off chance that a sound-related student is help yourself center around course reading readings by understanding them so anyone can hear, with the goal that you can hear how the words sound. Leave heaps of additional room on your page when taking notes in addresses, and after that arrival to these notes after you got an opportunity to talk about the material in further detail. [4]

## PERSUING LEARNERS

Peruse/compose students learn through perusing and composing. These kinds of students well a lot of course books and study notes to peruse. A read/compose student, have consideration regarding course book glossaries better to gain your own as you ground through a course.

## KINAESTHETIC LEARNERS

Kinaesthetic Learners learn through doing. This is maybe the most testing learning style for college understudies, as there are not constantly numerous chances to participate in hands on learning in addresses. Therefore, labs and instructional exercises become significantly progressively basic for these students. While examining, attempt to join the majority of your faculties into the experience—the a greater amount of this you can do, the higher your review will be, as you'll have different prompts. [4]

## BENEFITS AND ADVANTAGES

- Learner Centred
- Convenient and portable
- Flexible[4]

## CONCLUSION

The end for e learning in is not quite the same as the learning methods they each have a recommendation to examine for the understudies. To centre the understudies and furthermore the instructors to learn in various methods for students to build up their insight utilizing the e learning. They are helpful for the understudies to confront their issues in e learning in students. First the understudies have the PCs and furthermore have an Internet to study reason. They can adapt anyplace and whenever to utilize the materials and furthermore they rouse them. The specialists need to make talks and shows to upgrade the educators capacities and they share their experience.

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