

“TECHNOLOGY DEVO BAVA”- KNOWLEDGE ACQUISITION – A MODERN APPROACH.

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ABSTRACT

There was an established relationship called "guru" and "shishya," where the guru was the only source of information. In those days, the role of the guru was fully informative, and he was supposed to teach us various lessons for our lives. In the open space under the banyan tree, there was a beautiful accomplishment accompanying the nature, and the learning process was also natural and lively. The role of the guru was to teach their disciples to live in the current scenario. Because of the demands of human evaluations, it was critical to change the system using various models. We evolved with a modest infrastructure and a degree of sophistication in the chalk and talk methodology.

Key Words: *Flip class, storytelling, Gamification, LMS, Online teaching, Stimulation VR, New Pedagogical Approach*

INTRODUCTION

There was an established relationship called "guru" and "shishya," where the guru was the only source of information. In those days, the role of the guru was fully informative, and he was supposed to teach us various lessons for our lives. In the open space under the banyan tree, there was a beautiful accomplishment accompanying the nature, and the learning process was also natural and lively. The role of the guru was to teach their disciples to live in the current scenario. Because of the demands of human evaluations, it was critical to change the system using various models. We evolved with a modest infrastructure and a degree of sophistication in the chalk and talk methodology. The lecture was also enlightening to us and helped enrich our knowledge. We have not stopped with that same sophistication, we moved further, landed, and are enjoying it with more sophistication. Now we have more modern teaching aids to support our teaching and learning processes. The more scientifically proven techniques were also developed through our continuous research in the field of education. "Chalk and Talk" will not be the right choice now to become a good teacher and a good student as well. To facilitate teaching and learning, we now have a good

infrastructure facility, modern teaching equipment, visualization tools, presentation tools, and the list goes on and on. It is not only the well-equipped technology that matters; the updating by the teachers also matters a lot. The role of the teacher is also changing here, in that the teacher should put in extra effort to learn more than the students. COVID-19 was the most influential teacher in the educational industry, transforming it to go online. We practice and get used to this kind of online teaching now. Now the question is, if this trend continues, will the current system be absorbed by the time it arrives? There are a plethora of new technologies in the works that will rule the entire educational system and take teaching and learning to new heights. The emphasis of the article on the most recent technology and how it will be more useful in the near future are discussed here. The technology like Learning Management System (LMS), MOOC's platforms, Mobile Learning, Personalized Learning, Augmented Reality and Virtual Reality, Gamification, Stimulation techniques, AI teachers. Learning through preaching, learning through doing, and learning through gaming.

TIME TO RE-THINK

¹(2021) The renowned article published which would be the answer for the question that what will be the future learning methods and how the teacher's roles are changed from the teacher centric to learners centric. It is need of time to rethink in two different dimensions.

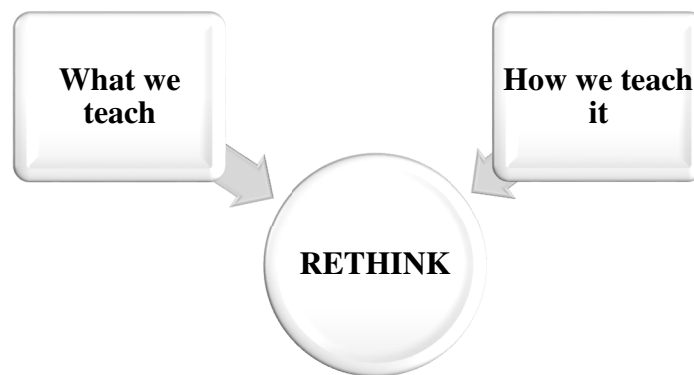


Fig.1. Re-thinking Frame work

¹https://www.google.com/search?q=renowned&rlz=1C1CHBD_enIN934IN934&oq=reno&aqs=chrome..69i57j0i131i433i512j46i433i512i613j0i433i512j0i131i433i512j46i131i433j0i433i512j46i433i512i613.3465j0j15&sourceid=chrome&ie=UTF-8

What we teach?

The curriculum, syllabus and the content are sufficient enough to meet the requirement of the outside world? What matters. After the globalized economy we have many ways to explore the different technologies in the educational sectors as well. The entire world is moving towards the technological advancement and moving fast in the journey. It reflecting in the generations as well. By the technological advancement we measure the generational gap, where in a decade difference considered as a generation gap by the we are in the world which moves much faster and every three years the generations are changing. Therefore the content what we are teaching will be eroded soon in the market, sometime it will be eroded before the student reaches the market. Now the educational institutions are in the deep dive to understand the scenario and frame the curriculum.

How we teach?

As we disused earlier as a teacher we are in the urge to teach to the generation Alpha. The generation alpha are the people who born between 2010 and 2024. ²(2021) Generation alpha is the succession of Generation Y who are consist of quality of using smart phones and tablets naturally, and they are by birth itself smart enough to use with Google Assistance, Alexa voice of Siri and so on. The children who born on 2010 will reach the college by 2028. In contrast to that are we the teachers capable and equipped ourselves to teach to the gen alpha? The answer depends on the individual person. All the levels of the teacher's COVID-19 pandemic is a good teacher to all of us. We cannot deny that after the front line workers the teachers were also worked uninterruptedly. Just rewind the situation how quickly the teachers are adopted towards the technologies irrespective of age and technical soundness. This now become the need of the time to continue the same, because almost two years we are practiced towards the same and now it become practice. With the two different dimensions of what we teach and how we teach, this article more emphasis on the second part how we teach, means we are going to re-think how we teach?

² <https://timesofindia.indiatimes.com/readersblog/hridayamohanviews/generation-alpha-the-most-influential-generation-so-far-39972/>

³Role of teacher in the modern centuries

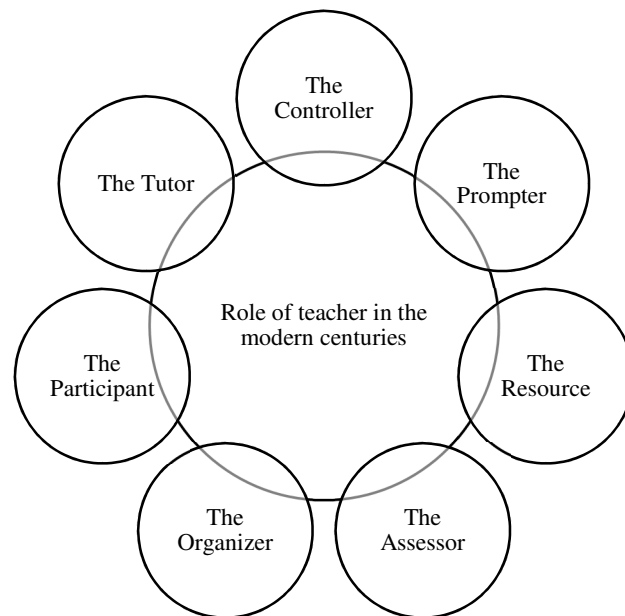


Fig.2. Role of Teacher in Modern Centuries

Comparison of Traditional teaching and Modern teaching

TRADITIONAL TEACHING	MODERN TEACHING
Teacher Centric	Learner's Centric
Subject-Specific Knowledge	Skill and Talent
Teacher knowledge Specific	Multiple-knowledge
Passive	Interactive
Limited Scope	Engaging
More Theoretical	Conceptual and Practical

Swapping from teacher to facilitator

By the above specific comparison clearly says the role of traditional teacher will be ruled out and along with that the traditional methods as well. The role of teacher now switched to “**TEACHER**”

³<https://www.etoninstitute.com/blog/the-7-roles-of-a-teacher-in-the-21st-century>

to “**FACILITATOR**”. Now the modern role of the teacher is to facilitate the students to facilitate the learning process. The facilitator role again through the lime light on the methods of teaching which technically called as “**PEDAGOGIES**”.

Teaching and Learning Pedagogical Approach.

⁴Ministry of Human Resource Development, Government of India, UGC published new guidelines for Innovative Pedagogical Approaches and evaluation reforms. Innovative and Blended teaching and learning pedagogies are going to the tools for Gen Alpha. Therefore the innovative pedagogies are broadly classified in to four categories. They are as follows.

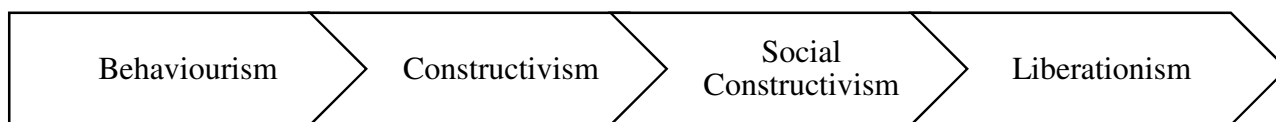


Fig.3.Teaching and Learning Pedagogies - Classification

Behaviorism: The approach talks about the traditional method which widely followed by all the teaching fraternity. It is more teacher-centric not learns-centric. Teacher is the sole authority and the students depends on the knowledge of the teacher.

Constructivism: Approach more construct on the learner’s specific, which is also called as “Invisible Pedagogy”. It induces the learners to learn through doing the project and inquiry-based approach.

Social Constructivism: It is the combination of the above two approaches which constructs with teacher and student. It is a mixed contribution by the both the ends.

Liberationism: It speaks about the democratic way of learning where in the students has more freedom to voice out in the class room the teacher. It provides more space for the students to deliver the content even in the art form.

⁴ https://www.ugc.ac.in/pdfnews/1031121_Guidelines-Innovative-Pedagogical-Approaches-Evaluation-Reforms.pdf

Modern Pedagogical Approaches:

The following are the some of the innovative teaching pedagogies.

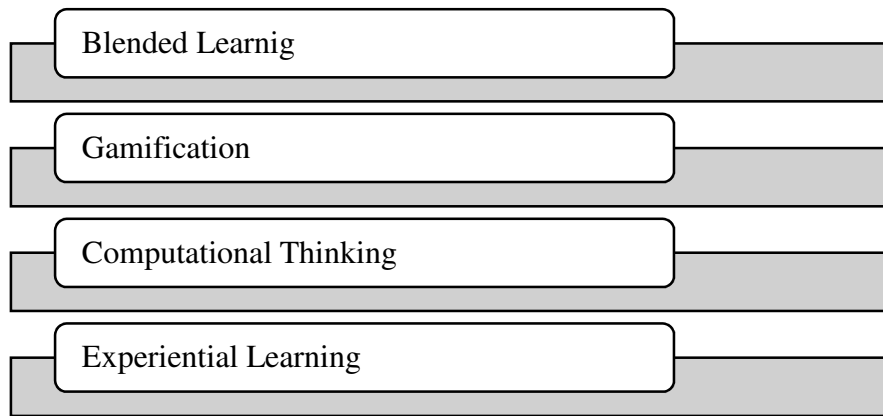


Fig.4. Modern Pedagogical Approaches

- **Blended Learning:** it help to engage the class with the help of ICT tools.
- **Gamification:** Converting the concepts into more interesting games.
- **Computational Thinking:** The method help to understanding the concept through problem-solving.
- **Experiential Learning:** Learning through doing.

Innovative Pedagogy

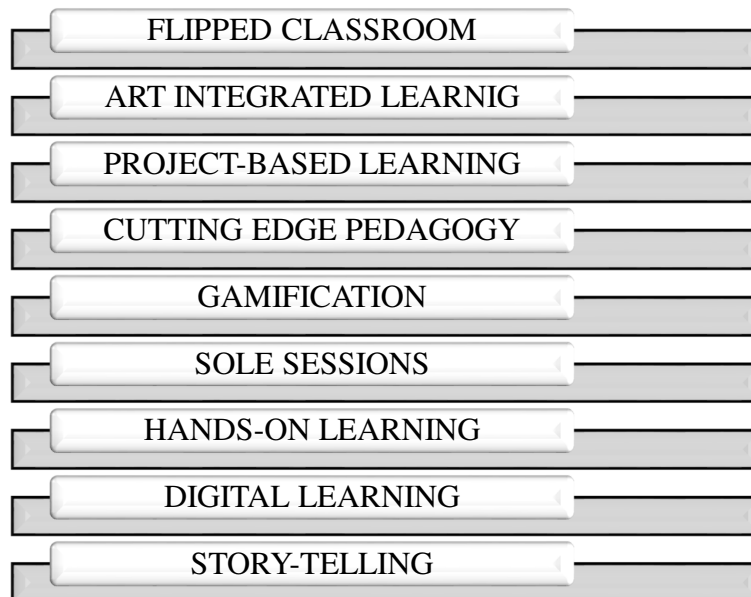


Fig.5. Innovative Teaching Pedagogy

FLIPPED CLASS ROOM: The flipped class room is an effective tool and more emphasis on the constructivist school of thought. It more focus on the activity based learning and the class room is more utilized by the learners. It is very flexible methodology to adopt for all the disciplines.

ART INTEGRATED LEARNING: It is most interesting pedagogy where the students can enjoy more and the learning become more entertainment. This will help the learners to bring out the high potentials to exhibit their talents. This creative learning system facilitates the learners to understand in the easy manner and keep it in the mind for the longer period of time.

PROJECT-BASED LEARNING: This will engage the students to actively participate with the full involvement. In this method the real time problems and projects will be directly given to the learners and they can creatively solve the issues by doing the things in different manner.

CUTTING EDGE: This is also like the practical learning through the cases, problem solving, real time problems, are solved through the support of technology. It is a digital platform where in the learners can utilize and solve the real time problems.

GAMIFICATION: It is also a quite interesting to the learners to understand and learn the concepts in the playful manner. The concepts and theories are converted into small games and it will help the learners to learn in the interesting manner. Irrespective of age all are having the interest to play a game that makes us happy, now the learning also become a game.

SOLE SESSION: Self-Organized Learning Environment will help the learners to learn the things in the self not have much reliability on the teacher. The role of teacher is less in the method and through the various gadgets the learners can learn the concepts. Now after pandemic this kind of self-phased learning become popular.

HANDS ON LEARNING: By the name of the pedagogy we can come to know that the hands-on experience will be given to the learners to learn the concepts. This will be more practical and more effective than the theoretical methods.

STORY TELLING: This is also become the popular pedagogy in the recent times. The entire concepts or theories are converted in to the sequential stories and deliver to the learners. The story will help him to understand and recollect in the easy manner.

CONCLUSION

Don't be surprise of all the above this, it is not an end rather it is a beginning. Yes we are slowly moving towards the following things.

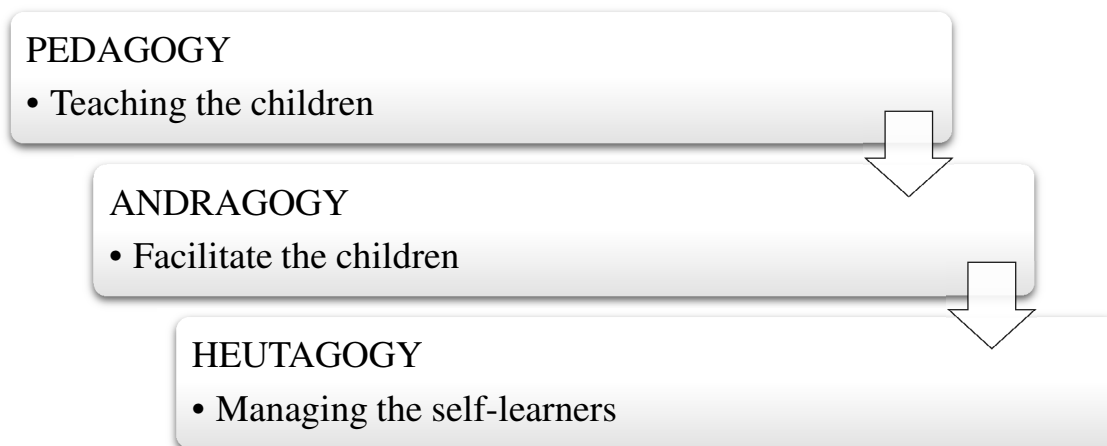


Fig.6. Future Teaching Approach's

Now the educational system and learning process undergoing drastic changes, it is inevitable. Therefore it is mandatory for the teaching fraternity to adopt the changes to face the future. It is the time to start the learning of all these elements to incorporate in the teaching learning system more effective.

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