

Blended Learning versus Traditional Learning in Indian schools –A Comparative study

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Abstract

Blended learning could be a hybrid of schoolroom and on-line learning and includes a number of the convenience of the net courses while not the entire loss of face-to-face contact. The rise within the use of technology significantly the employment of web-based technologies and communication have provided a chance to the educators around India to research the foremost appropriate learning environments that might cater the students' various learning designs. the current study uses an informal comparative style between ancient schoolroom and emulsified learning within the learning atmosphere of faculties. the aim of this study was to match the employment of emulsified learning in class education with ancient teaching. supported the analysis review the emulsified learning model seems to be another teaching strategy that ought to be embraced by the college educators so as to assist the scholar learn higher. proof is provided to counsel that emulsified courses will produce a metamorphosis among the scholars than either the normal learning or totally on-line courses. This paper introduces a comparative study of emulsified learning and ancient learning ideas within the colleges of India.

Keywords: Blended learning, Sense of community, School education, Online learning, Student and teacher

1. Introduction

Technology improvements and its role in nowadays world has multiplied incredibly. Everyone, including kids, is the usage of technology of their everyday lives in manner or any other. It additionally plays a crucial role in students' mastering. Online guides are gaining reputation among younger novices which can be self-paced and learner targeted. The conventional face-to-face coaching while mixed with laptop-mediated education has established to be extra effective. This integration of the 2 historically separate models of coaching and learning is known as Blended Learning.



Figure 1.1 Blended Learning

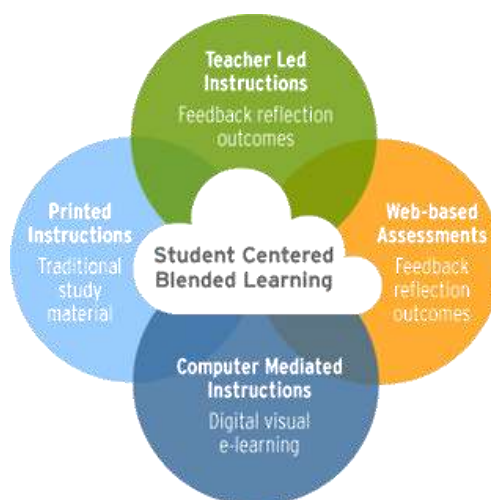


Figure 1.2 Student Centered Blended Learning

Much interest has been interested in Blended Learning inside the recent years and international locations throughout the globe has followed the equal, with proof of its effectiveness. It is time for India to enforce blended studying in its schools and faculties and get benefited from it. The gift conventional gadget of training in India is posing as a risk to the younger era because it encourages know-how memorization in preference to know-how and non-stop mastering. Blended studying is proposed as an option to the issues in conventional version of mastering. Blended learning could be a teaching approach that includes the technologies with regular face-to-face teaching looking on the module needs and wishes of learners. The word mix means that permitting a larger flexibility, responsibility and management to the scholars for his or her learning activities. However, the mingling learning may additionally consult with a mixture of various modalities or delivery media. Moreover, in mingling learning, mixing not solely includes technology however real-life expertise because the word indicates it's a mix of teacher lead instruction by face-to-face interactive session, web-based assessments through feedbacks, reflection, outcomes, pc mediate instruction like digital, visual e-learning and written instruction victimization ancient study material.

2. Motivation of the analysis

Education could be a vital think about the economic development of any country. India could be a developing country and educating the young minds can pave approach for a brighter future for the country. The skills, knowledge, expertise possessed by each individual influence the economic process of the country.

The need for educated and innovative minds:

1. Technology is developing with ever increasing speed. advanced machineries area unit getting used by varied industries across the country and automation has been adopted because of the many edges it provides viz. inflated outturn, higher potency, inflated quality. This provides higher level jobs within the development, deployment, maintenance and running of the automatic processes therefore practiced and specialized staff area unit needed instead of unskilled staff.
2. There's continuously a scope for improvement within the production industries. Innovative staff will propose new ways of production and contribute to the rise in production therefore become a valuable resource.
3. The participation from the staff increase and equality among them prevails once the staff area unit capable. This results in increase engaged rate. because the employment opportunities increase the reduction within the difference of wealth will be ascertained. Increase in financial gain will increase the quality of living of the folks. Thereby the 2 indicators of economic development, increase engaged rate and reduce in financial gain inequalities, is detected.

4. Once the folks get the proper education and become capable, they're directed to the trail of developing the country. It eradicates the standard and orthodox faculty of thoughts that will increase the participation within the manpower.

All the factors mentioned higher than will increase the productivity and therefore cause the economic process of the country.

Month	Labour participation Rate	Employment Rate	Unemployment Rate
Jun-18	42.88	40.42	5.75
Jul-18	42.72	40.3	5.66
Aug-18	42.58	39.91	6.27
Sep-18	43.13	40.34	6.47
Oct-18	42.46	39.56	6.83
Nov-18	42.83	39.98	6.65
Dec-18	42.53	39.54	7.02
Jan-19	43.29	40.32	6.86
Feb-19	42.71	39.63	7.2
Mar-19	42.66	39.82	6.65
Apr-19	42.54	39.41	7.35
May-19	42.74	39.68	7.17
Jun-19	42.8	39.42	7.91

Table 1 Data on labor market statistics [20]

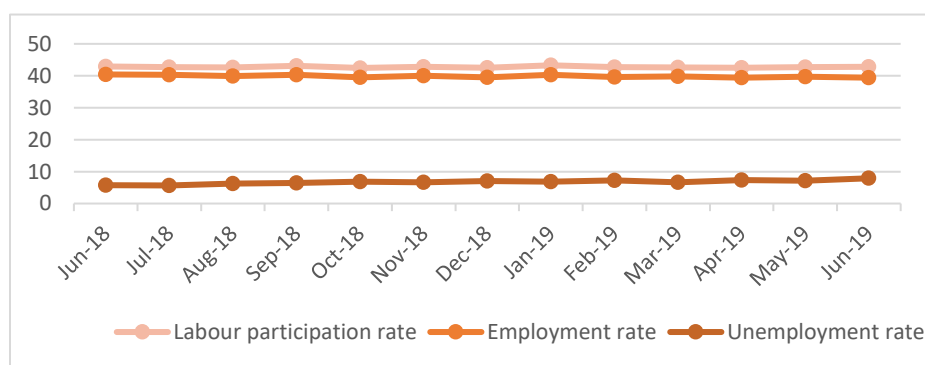


Figure 1.3 Graph on labor market statistics

3. The Present Traditional Education System in India

The Indian training framework is the biggest on the planet with 253 million understudies tried out 1.4 million schools. India has the most noteworthy number of schools and the most elevated number of understudies joined up with the training framework when contrasted with the US or the UK. The Indian government keeps on actualizing arrangements that improves the nation's education rate. We presently have free and necessary instruction for youngsters till 14 years old. What's more, the education rate is expanding step by step. More understudies total their tutoring and more understudies graduate each year. However despite everything we find that the work rate is a lot of lower. The understudies require exceptional preparing to get utilized in light of the fact that they are not prepared. Just a couple could make it to finding in steady employments in the wake of graduating. Shouldn't something be said about

the rest of the understudies with a degree which is of no utilization and with no activity? They battle and settle for a vocation which is no chance identified with what they contemplated, are low payed, and are left with no other decision however acknowledge it. This is the situation with the majority of the understudies the nation over.

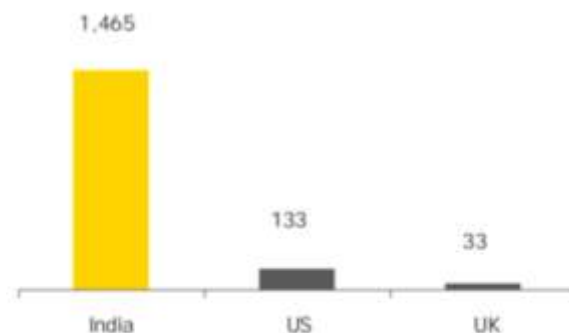


Figure 1.4 Number of schools 2011-12 ('000)

The display adds up to government investing (Middle and states combined) on instruction accounts for around 3.7 % of GDP. Out of this, the government spends a huge rate of its budget on school instruction and education. We have accomplished 100% GER (Net Enrollment Proportion) within the essential level, with numerous plans centered on universalization of instruction. In any case, upper essential level ahead, the drop-out rate begins to extend. Most individuals tend to think that higher auxiliary instruction is the foremost imperative portion of a child's education, but essential instruction is similarly critical or I would say, the foremost significant portion of a child's instruction. It's the portion where the child gets molded into an individual. It isn't a part which can be overlooked but or maybe be utilized shrewdly and viably to educate a child's intellect in perfect way"the most perfect way conceivable with the finest workforce.

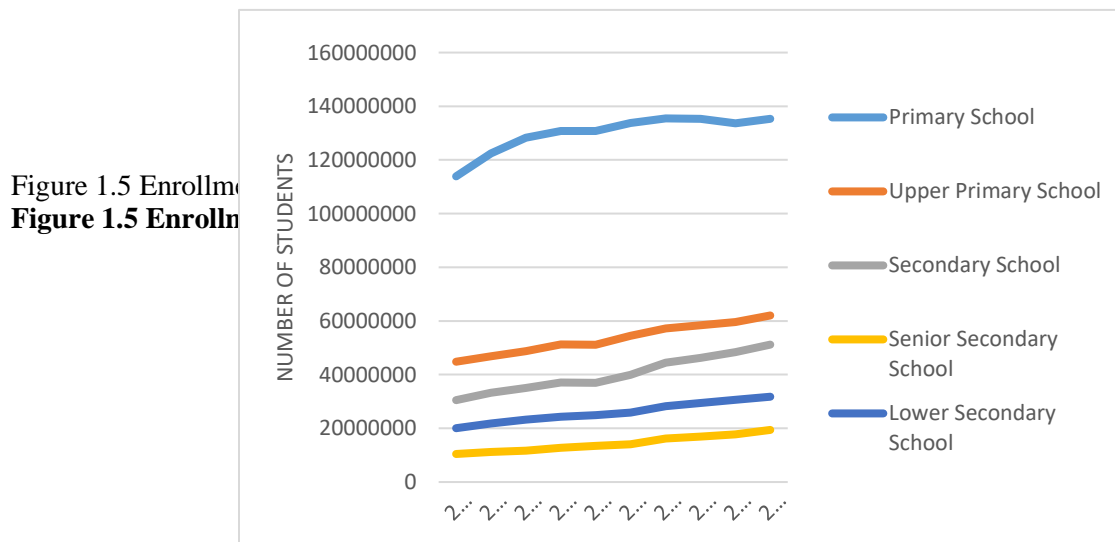


Figure 1.5 Enrollment of students in schools in India [21]

The major problems with the traditional system of learning:

1. The quality of instructing the children get and the amount of tutoring they involvement is deficiently included with the frail foundation and lacking academic attention.
2. Examinations are more centered on conclusion comes about, instead of nonstop learning. It lays overwhelming accentuation on scores and not instruction itself.
3. Since most information is as it were memorized and not held for the long run, understudies feel misplaced after school.

4. Large classes in schools implies that there's lesser center on each student's learning. Typically, dangerous to a student's instruction travel amid, as well as after school.
5. The subject matter and homework put a colossal sum of stretch on understudies, which is inconceivably troublesome for numerous to bear. Included with the parental weight to exceed expectations in considers, understudies connect coaching teach with the essential point of scoring and not for learning and inevitably lose intrigued in studying.

This calls for a change in the way we look at education. Learning is a process which should be cherished and appreciated. It should not be daunting and compulsive which is what the present learning system is instilling in the young minds of India.

4. The Solution - Blended Learning

Blended learning is not just a way to enhance lectures but represents transformation in the way we approach learning and teaching [11]. Blending means mixing or combining hence referred as a mixed approach which integrates classroom teaching with online. In the blended model, students have some control over time, place or pace. Blended learning helps to remove limitations found in the learning process such as time limit of face-to-face classroom [15].

The benefits of blended learning:

- Strategic use of classroom time
The classroom time can be used to focus on active and meaningful activities rather than just lecturing. Student engagement level is found to be higher in problem-based, rather than lecture-based blended learning. Concepts can be covered in more depth in the class and basic introduction to the topic can be given online. Reinforcement of the concepts covered in class can also be done online. [2]
- Facilitates sense of community
Online discussion provides opportunity for student-student and student-teacher interaction. Online communication through a blended learning environment enables students to make and maintain connections with other students and their learning institution even when off campus [2]. Hence, it can facilitate a sense of community.
- Improved outcomes
Blended learning can improve course outcomes in terms of higher student retention and increased pass rates. It also improves attendance in face-to-face classes. The student activity, progress and results can be captured by the system that can be helpful enhancing the measurement of course outcomes. [2]
- Student centered, self-paced and provides personalized learning
Every student has a unique style of learning; each have a different approach of learning depending on the nature of the subject. Each of them has their own pace of learning. Blended learning environment provides flexibility in learning and allows the student to learn in their own pace and in their own style. The online content can be accessed by learners outside the class at their own time and pace [12].
- Promotes continuous learning, active learning
Through the words of Harvey Singh, "Learning is not just a one-time event learning is a continuous process" [12]. Blended learning model fits perfectly in this longitudinal view of learning [8]. This motivates the students to learn and be engaged even outside the classroom.
- Teachers as active instructor and mentor
In the traditional model, teachers play a role of a preacher, who merely transfers information. In blended learning model, there is a shift from lecture to student centered instruction in which students become active and interactive learners [1]. It allows the teachers to become more than just a lecturer.

- Allows teachers to focus on the students who need more assistance
The blended learning model allows the teachers to spend time economically and efficiently with the students who are in need instead of supervising the whole class [9].
- Learn anytime, anywhere
Blended learning is found to be convenient for students as it is accessible anywhere, at any time with instant feedback [11]. Students can access the material on the Web at any time of day and review it as needed, gaining increased flexibility [1]. Students also like the ability to access course materials any time, any place, and appreciate convenience and flexibility [1]. By reducing time and space commitment, access is easier and thus many students have come to prefer the blended courses to fully face-to-face courses as noted by Punam Bansal in his research [1].
- Improves learner satisfaction
The success of the course does not only depend on whether the students meet or exceed expectations in assessment but also through learner satisfaction which is important as it accounts for students' personal experiences of the course [2]. Blended learning improves student satisfaction and their engagement in learning.

Conditions associated with the success of blended learning as noted by Sahni [11]:

- Learners and teachers must be equipped and trained to use information technology tools.
- In the implementation of blended learning, a devoted technical center should be provided to support both the learner and the teacher.
- The technological requirements such as, Internet connection, speed and bandwidth must be considered for blended learning courses.

5. Methods

The purpose of this study is to draw a comparative analysis of the traditional and blended model of learning. It aims to prove the effectiveness of the blended learning model when compared with the traditional model. A total of 15 papers were chosen to be reviewed for the study. The dimensions of the study include blended learning benefits, challenges, and strategies, evaluation of blended learning, the level of student engagement, student satisfaction, teachers in blended learning – their roles, how they balance the blend, the need for change in perception of blended learning by teachers and students. This review consists of papers with years of research published from year 2002 until year 2019.

6. Results

- Blended learning is considered to be an innovative approach involving modern conceptions of learning [11].
- Introducing online instructional components opens a range of instructional strategies that can be used.
- Multiple modes of instructional delivery may provide sufficient choices, engagement, social contact, relevance, and context needed to facilitate successful learning and performance [12].
- Integrating classroom teaching with e-learning activities bring convenience to knowledge collection, storage, and access resulting in higher student satisfaction, positive engagement and helps align their expectations [7].
- Blended learning conceptualizes learning as an ongoing process than a single time event [12].
- For successful implementation of a blended learning program coherent and coordinated planning is required [2].
- When developing blended learning programmes, students' likely self-motivation should also be borne in mind.

- Students' self-motivation, self-reliance and the ability to work independently are essential to their success on the blended learning course [2].

Conclusion

The traditional model when blended with online learning is proved to be an effective and efficient method for learning. It takes advantage of the power of technology while preserving the benefits of face-to-face interaction. According to the past research, if blended learning is designed and implemented properly, it has the power to empower students to control their pace of learning as well as learning environment. Blended learning is proved to solve most of the problems faced by students in schools and colleges across India. It allows the students to acquire knowledge and at the same time enjoy learning. It has the potential to impact Indian education in a positive way. Blended learning if adopted can help remove the limitations of the traditional system and allow the young minds of India to bring out the best in them and hence contribute to the growth of the country.

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