



NEP 2020 And Hybrid Learning & its Effectiveness in The Academic Achievement of The Secondary School Students of Ahmedabad District

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Abstract:

In the modern society, education is crucial for everyone. In India, the National Education Policy 2020 (NEP 2020) has provided the impetus to reimagine education, with the focus shifting towards a technology-driven, learner-centric approach. Technology is becoming increasingly crucial to the ease of life. Therefore, everyone is attempting to learn about it. Hybrid education provides a flexible and inclusive learning environment, allowing students to learn at their own pace and in a manner that suits their learning styles. This is particularly important in a country like India, where many students face challenges like lack of access to educational resources, inadequate infrastructure, and long commutes to school. The NEP 2020 recognizes the potential of hybrid education to address these challenges and has proposed a number of measures to promote it. A new form of education called hybrid learning was developed for a particular group by fusing the advantages of many learning philosophies. By combining face-to-face interaction from traditional learning with the flexibility, richness, and accessibility of online learning, hybrid learning will greatly facilitate the course's goal-achieving. The New NEP Policy 2020 along with Hybrid version increase self efficacy in students. It motivates students to be a self-learner.

Key Word: NEP Policy 2020, Hybrid Learning, Crucial (Important), Learner-Centric, Self-Efficacy , Motivated

1. Introduction

NEP emphasizes the need for the development of digital infrastructure and the adoption of digital technologies in education. It also highlights the need for the creation of high -quality, digital educational resources that are accessible to all students. The policy proposes the to be responsible for the development of these resources and for promoting the use of digital technologies in education. Another important aspect of hybrid education is i ts potential to make education more inclusive. Hybrid education allows students from all over the country, irrespective of their geographical location, to access high- quality education.

Hybrid education can provide students living in rural areas and having limited access to educational resources. with access to high-quality educational material and interactive online classes, enabling them to learn and

develop their skills.

2. Objectives of the Study

Objectives of present study are as follows:

- a. To study the effectiveness of hybrid learning model for academic achievement of secondary school students of Ahmedabad district.
- b. To study the factors influencing the effectiveness of hybrid learning model for academic achievement of secondary school students of Ahmedabad district.
- c. To study the improvement in the overall performance of students of the secondary school students of Ahmedabad district

3. Hypothesis of the Study

The following hypotheses were formulated and to be tested at 0.05 level of significance.

Hypothesis 1

H0: The hybrid learning model has no significant influence over the academic achievement of secondary school students of Ahmedabad district.

Hypothesis 2

H0: The hybrid learning model has no significant influence over the overall performance of secondary school students of Ahmedabad district.

4. Variables of the Study

4.1 Dependent Variables of the Study:

According to all of the previous studies and literature reviews there are four main elements responsible for making hybrid learning model achievable. First is the technical element, which includes all the components and electronic types of equipment. The second element is the human element which indicates providing both students and teachers with adequate training on online programs and how to use them. The third element is the organizational element which focuses on planning and performing and problem-solving. The fourth element is related to the design of the learning context and content.

4.2 Independent Variables of the Study:

In this study Gender (Male and Female) has been taken as independent variable.

5. Definitions of Keywords

5.1 Hybrid Learning = Hybrid learning is a teaching model that combines online learning with in-person instruction. It's a "best of both worlds" way of teaching students!

5.2 Crucial = Important

5.3 Learner Centric = focus on learners

5.4 Self-efficacy + Self-efficacy is the conviction that one can accomplish a task.

6. Limitations of the Study

Limitations of the study are as follows:

Firstly, given the large population in study, the sample size was relatively small. Therefore, caution should be used when generalizing the findings of the study.

Secondly, responses are based on self-report. To further validate the findings, another study with a larger sample is recommended.

The study is limited to crisp data, further study can be carried out with considering the fuzziness and vagueness of data.

7. Research Method

The main objective of the researcher was to study the effectiveness of hybrid learning in secondary school students of Ahmedabad. To obtain the data, the researcher constructed and standardized the educational efficiency of students using technological tools. The researcher randomly selected different secondary schools of Ahmedabad. Thus, as a data collection procedure, information regarding academic achievement and overall performance of secondary school was collected in large numbers in the form of a google form. Therefore, **Survey Method in the form of a google form** was used in present study.

8. Sample of the Study

The researcher selected 6 higher secondary schools of Gujarat. The total students 400 out of approximately boys: girls' ratio (10:8)

9. Research Tool

The researcher constructed two tools, (i) Survey Method (ii) Statistical and Data Analysis

10. Data Collection

Data collection was the most important task of present research. The researcher selected 400 students. The researcher visited to different schools to obtain permission for data collection in advance. The researcher met principals of different schools for taking the permission. Thus, Google forms were submitted to the schools and students filled the google forms and thus result was drawn out from the google forms which were generated to the schools.

11. Data Analysis and Results

Hypothesis Testing

The following Hypothesis needs to be tested for this research. T-test and One-Way ANOVA test is applied for hypothesis testing.

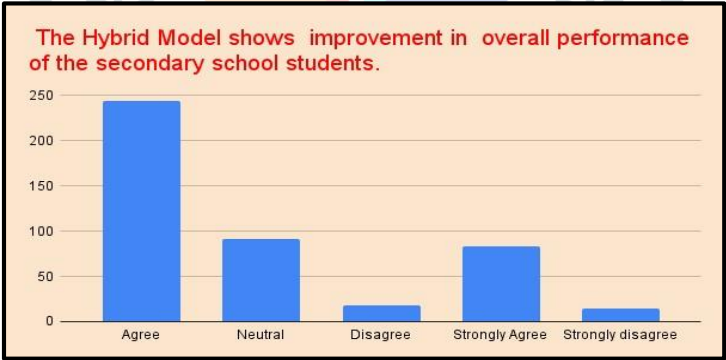
Note: If P-value < 0.05 then Null Hypothesis Accepted (NHA), and if P-value > 0.05 then Null Hypothesis Rejected (NHR)

Hypothesis 1

H01: The hybrid learning model has no significant influence over the academic achievement of secondary school students of Ahmedabad district.

Table 4.3 ANOVA (H1)					
	Sum of Squares	df	Mean Square	F	P-Value
Between Groups	307.611	76	4.048	11.554	.000 (NHR)
Within Groups	200.733	573	.350		
Total	508.345	649			

Result: The hybrid learning model has significant influence over the academic achievement of secondary school students of Ahmedabad district.



It is clear, on the basis of the data that is shown in the tables, that the hybrid learning model has a considerable effect on the academic success of children attending secondary schools in the Ahmedabad district. The vast majority of respondents had a favorable impression of hybrid learning, showing its potential to raise learning motivation and improve overall performance. The findings indicate that hybrid learning is seen as a useful tool for enhancing academic learning and development. Students have the perception that it assists them in gaining better levels of motivation and autonomy over their learning process, which ultimately leads to improvements in their academic performance. In conclusion, the data from the tables shows that the hybrid learning model is believed to have a considerable influence on the academic success of secondary school students in the Ahmedabad district.

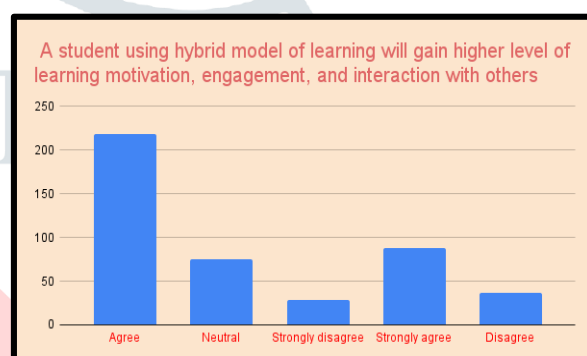
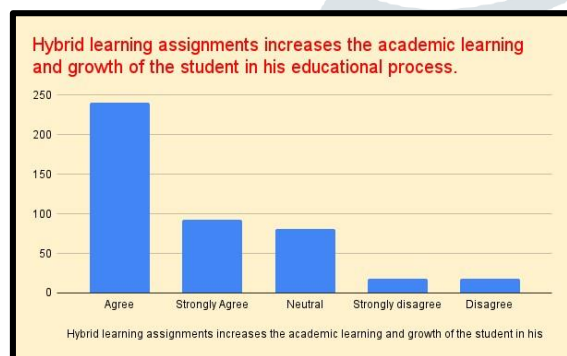
Hypothesis 2

H02: The hybrid learning model has no significant influence over the overall performance of secondary school students of Ahmedabad district.

Table 4.4 ANOVA (H2)

	Sum of Squares	df	Mean Square	F	P-Value
Between Groups	118.163	4	29.541	48.833	.000 (NHR)
Within Groups	390.182	645	.605		
Total	508.345	649			

Result: The hybrid learning model has significant influence over the overall performance of secondary school students of Ahmedabad district.



It is clear, on the basis of the data that has been shown in the tables, that the hybrid learning model has a considerable effect on the overall performance of secondary school pupils in the Ahmedabad district. The comments of students show that hybrid learning assists in increasing students' academic learning and progress, promotes students to be self-learners, and develops autonomy in students' learning processes. They also believe that hybrid learning improves their levels of motivation, engagement, and contact with others, which ultimately leads to improved academic outcomes.

12. Findings

The findings of this study illustrate the beneficial influence that hybrid learning may have on the academic experiences of students as well as their overall growth. According to the research, students see hybrid learning as a helpful tool since it encourages autonomy, increases engagement, and prepares them for future problems. In addition, the findings highlight the necessity of taking into consideration a variety of criteria, including gender, age, and family history, when establishing educational policies and interventions. It is crucial to acknowledge the variety among children and their families in order to create learning environments that are inclusive, student-centered, and that respond to the unique requirements of individual students.

13. Conclusions

It is obvious from the statistics that the hybrid learning model offers promise as an effective and adaptable approach to education, giving possibilities for students to flourish and achieve success throughout their academic path.

Based on hypothesis testing, the following results can be concluded.

- The hybrid learning model has significant influence over the academic achievement of secondary school students of Ahmedabad district.
- The hybrid learning model has significant influence over the overall performance of secondary school students of Ahmedabad district.
- The research also shows that students see hybrid learning assignments is helpful in enhancing their academic learning and development.
- These results highlight how hybrid learning has the ability to change the educational environment and encourage a culture of self-learning and academic performance.
- Hybrid learning is emerging as an efficient tool for equipping students with the abilities and information required to excel academically and in their future efforts as schools continue to change and adapt to new paradigms of education thereby reaching high pinnacle of their growth.
- In conclusion, the data shows that hybrid learning is helpful in raising academic success and overall performance among Ahmedabad district secondary school pupils

14. Recommendations for further research

- Similar studies should be conducted in another setting and on a large sample to compare and generalize the results.
- Further studies should be conducted to investigate other factors that affect the overall performance of students.

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