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A study on the development of Information Technology in modern times

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Abstract:

In the modern era, Information technology in the context of the Times makes people one of the most important and in demand.

It is to be said that in today's modern times, Information Technology has developed in a good way and various people and entrepreneurs are benefiting from it in a good way. Information technology has created many challenges and solutions

The majority of today's youth prefer information technology, Not only young people but also children want to learn information technology

There are many companies that are offering online education to the youth. Various types of codings are being developed by IT companies

In this case study, we will see how the IT industry has grown as today's younger community learns more about coding

Introduction:

Not only in a developing country like India but also in the world, many young people want modern technology. If there is no modern technology, the world has come to the point that there is nothing. All industrial enterprises are based on modern technology because various companies have seen good growth using modern technology.

IT Industries:

Information technology has been a favorite of young people ever since.

In those days coding was very difficult to learn but today's younger generation is learning coding very easily.

In many places in India, children are learning coding at school and some people are learning coding from home

Today's youth are more interested in learning coding and will see a good growth in the IT industry in the upcoming times.

BYJU'S :

BYJU'S is considered to be one of the most sought after youngsters of today's generation.

The app is being used by kids both online and offline mode coding is very easily learning by using the BYJU's app in various places in India.

History of BYJU'S:

BYJU'S started with a vision to make quality content and teachers accessible to students anywhere, and along the way, build a community of active self-learners. Stemming from his much-loved offline classes that packed stadiums.

BYJU'S currently employs more than 10,000 people worldwide, including a content and research team of 2,500+ highly qualified educators and

learning science experts who research and develop the curriculum. A digital-first company, BYJU'S continues to revolutionize education with strong partnerships from Tiger Global, Naspers Ventures, CPPIB, private equity firm General Atlantic, Chan-Zuckerberg Initiative, Tencent, Sequoia Capital, Lightspeed Venture Partners, Sofina, Verlinvest, Owl Ventures, and Times Internet.

Covid 19:

During covid-19, the students have benefited from being home-schooled and learning coding for the most part

In times of covid-19, boys have benefited from learning to code by registering at BYJU's while they were at home because educational institutions were closed in the time of covid-19 and during this period various students were using and learning coding.

Benefits:

Students have learned coding online and developed their skills.

Young people are also learning coding online and getting jobs in various IT companies.

Development of IT Industries:

The IT industries were growing at a rapid pace because a lot of online apps have come up different types of IT industry which have got the opportunity to fix their problems easily

People working in the IT industry did their work from home even during covid-19.

Benefits:

During the period of covid-19, the married couple looked after their children from home and worked online.

The youngsters spent a good amount of time in their family.

Because the IT workers don't have much of a holiday, they said this covid-19 period was too much usefull for them.

Most of the students are taking IT to see those who are working from home.

LITERATURE - REVIEW

Review of literature deals with the previous studies of research scholar, it's very helpful to research comparison with others history or solutions.

Primary Data, Here Interview schedule method is used as a primary data for collecting the data and the respondents were chosen on convenient basis sample method. The interview schedule method was designed according to the statement of the study.

Secondary Data, This type of data is already available or kept in every company in the form of records , websites and related articles, and the data was collected from the booklet , internet and other data sources.

Statistical Tools Percentage, Analysis Percentage is the method of calculation for a data analysis, it is simple method and convenient one. Percentage can be calculated by dividing the value by the total value, and then multiplying the result by 100. The formula used to calculate percentage is: $(\text{value}/\text{total value}) \times 100\%$.

Correlation:

Relationship between two variables.

Weighted average cost:

A company weighted average cost of capital is the amount of money it must pay to finance its operations.

1. Name
2. Gender

S. No	Particulars	Respondents	Percentage%
1	Male	69	69
2	Female	31	31
	Total	100	100

Majority of respondents belong to male 69%

3. Does byju's give you adequate coding convenience?

S. No	Particulars	Respondents	Percentage%
1	Yes	95	95
2	No	05	05
	Total	100	100

Majority of the respondents satisfied about sufficient facilities available at byju's 95%

4. What is your thoughts on learning coding through byju's?

S. No	Particulars	Respondents	Percentage%
1	Highly satisfied	53	53
2	Satisfied	27	27
3	Average	10	10
4	Dis satisfied	10	10
	Total	100	100

Majority of the respondents are highly satisfied learning coding through byju's 53%

5. Which course is best for you?

S. No	Particulars	Respondents	Percentage%
1	Online	88	88
2	Off line	12	12
	Total	100	100

Majority of the respondents are satisfied about online learning course 88%

6. How do you feel after coming to byju's app?

S. No	Particulars	Respondents	Percentage%
1	Highly satisfied	55	55
2	Satisfied	27	27
3	Average	10	10
4	Dis satisfied	08	08
	Total	100	100

Majority of the respondents are highly satisfied about feel better after coming byju's app 55%

7. Why you choose byju's app?

S. No	Particulars	Respondents	Percentage
1	Easy to learn	75	75
2	Time save	15	15
3	Fees payment	5	5
4	Travel time	5	5

	Total	100	100
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Majority of the respondents are satisfied to easy to learn coding from byju's app
75%

Weighted average

How do you feel after coming to byju's app

s.no	Particulars	Respondents	Weighted average	Values
1	Highly satisfied	55	4	220
2	Satisfied	27	3	81
3	Average	10	2	20
4	Dis satisfied	08	1	08
	Total	100	10	329

Weighted average cost / total average cost

329 / 100

3.29 / 4

1.8225 * 100

82% respondents are highly satisfied about feel better after coming byju's app

Why you choose byju's app?

s.no	Particulars	Respondents	Weighted average	Values
1	Easy to learn	75	4	300
2	Time save	15	3	45
3	Fees payment	5	2	10
4	Travel time	5	1	05
	Total	100	10	360

Weighted average cost / total average cost

360 / 100

3.60 / 4

0.9 * 100

90% respondents are satisfied to easy to learn coding from byju's app

Correlation

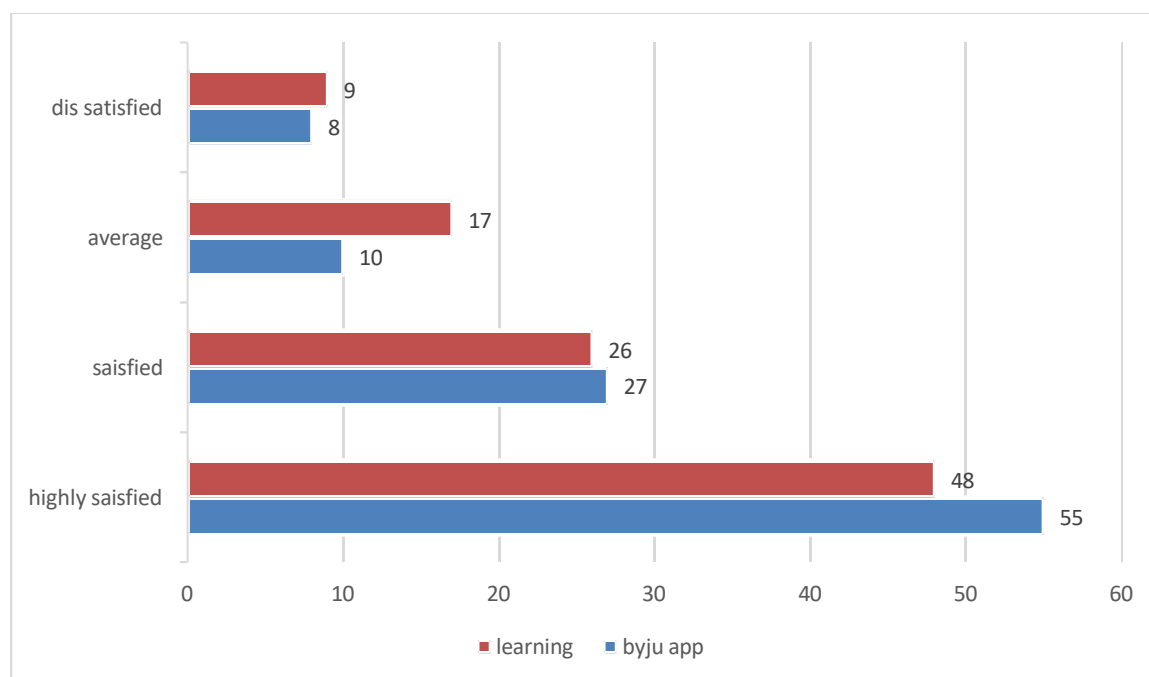
Respondents opinion about byju's app	Highly Satisfied	Satisfied	Neutral	Dis satisfied	Total
Highly Satisfied	27	14	10	04	55
Satisfied	14	06	04	03	27

Average	04	03	02	01	10
Dis satisfied	03	03	01	01	08
Total	48	26	17	09	100

$$r = \frac{n \sum xy - (\sum x)(\sum y)}{\sqrt{[n \sum x^2 - (\sum x)^2][n \sum y^2 - (\sum y)^2]}}$$

$$r = \frac{4(1564) - (60)(32)}{\sqrt{4(2318) - (60)^2} \sqrt{4(1106) - (32)^2}}$$

r=0.987 positive correlation



Result

- Majority of respondents belong to male 69%
- Majority of the respondents satisfied about sufficient facilities available at byju's app 95%
- Majority of the respondents are highly satisfied learning coding through byju's app 53%
- Majority of the respondents are satisfied about online learning course 88%
- Majority of the respondents are highly satisfied about feel better after coming byju's app 55%
- Majority of the respondents are satisfied to easy to learn coding from byju's app 75%
- 82% respondents are highly satisfied about feel better after coming byju's app
- 90% respondents are satisfied to easy to learn coding from byju's app
- $r=0.987$ positive correlation about learning coding through byju's app & after coming to byju's app

Suggestions:

A variety of private institutions such as Byju's teaches codings to students and the general public

As such, our central and state government should teach coding through such apps in free of cost to students and working people

It would be better to have free education ,because some of today's students are going to extra classes for every subject and studying on amount based.

In the midst of this, it would be very useful for the students to be taught free of codings.

Conclusion:

BYJU'S app and modern technology to help students learn and use coding in a simple way

Modern technology has enabled the younger generation to improve their lives in today's modern society

This modern technology and online course has played a huge role in improving the information education skills of the students in the Times of covid-19

Modern technology has greatly helpfull for benefit to the students of the younger generation people of all grades

Reference :

Google - Net source

Byju founded Think & Learn Pvt. Ltd in 2011, offering learning programs with a unique blend of technology, content, and pedagogy.