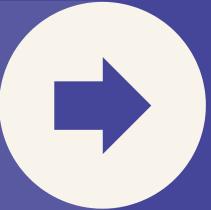


# **Adhyapanam**

**( ...A smile for every child... )**



An initiative that aims to provide  
every children of our country  
quality education.



# PROBLEM

## The expense of education

The expense of education for many of the poorest families, school remains too expensive and children are forced to stay at home doing chores or work themselves.

## No classroom

A child cannot learn without the right environment.

## No teacher, Untrained teacher

There aren't enough teachers to achieve universal primary or secondary education. And many of the teachers that are currently working are untrained.



# PROBLEM

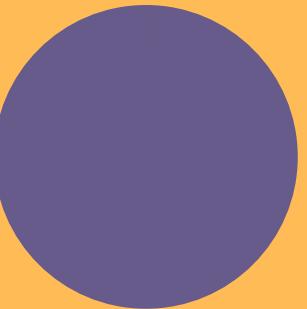


## Distance from home to school

For many children around the world, a walk to school of up to three hours in each direction is not uncommon. Imagine having to set off for school, hungry, at 5 a.m. every day, not to return until 7 p.m.

## A lack of learning materials

Outdated and worn-out textbooks are often shared by six or more students in many parts of the world. For example, only 3.5% of all sixth grade pupils had sole use of a reading textbook.



**250 Million**

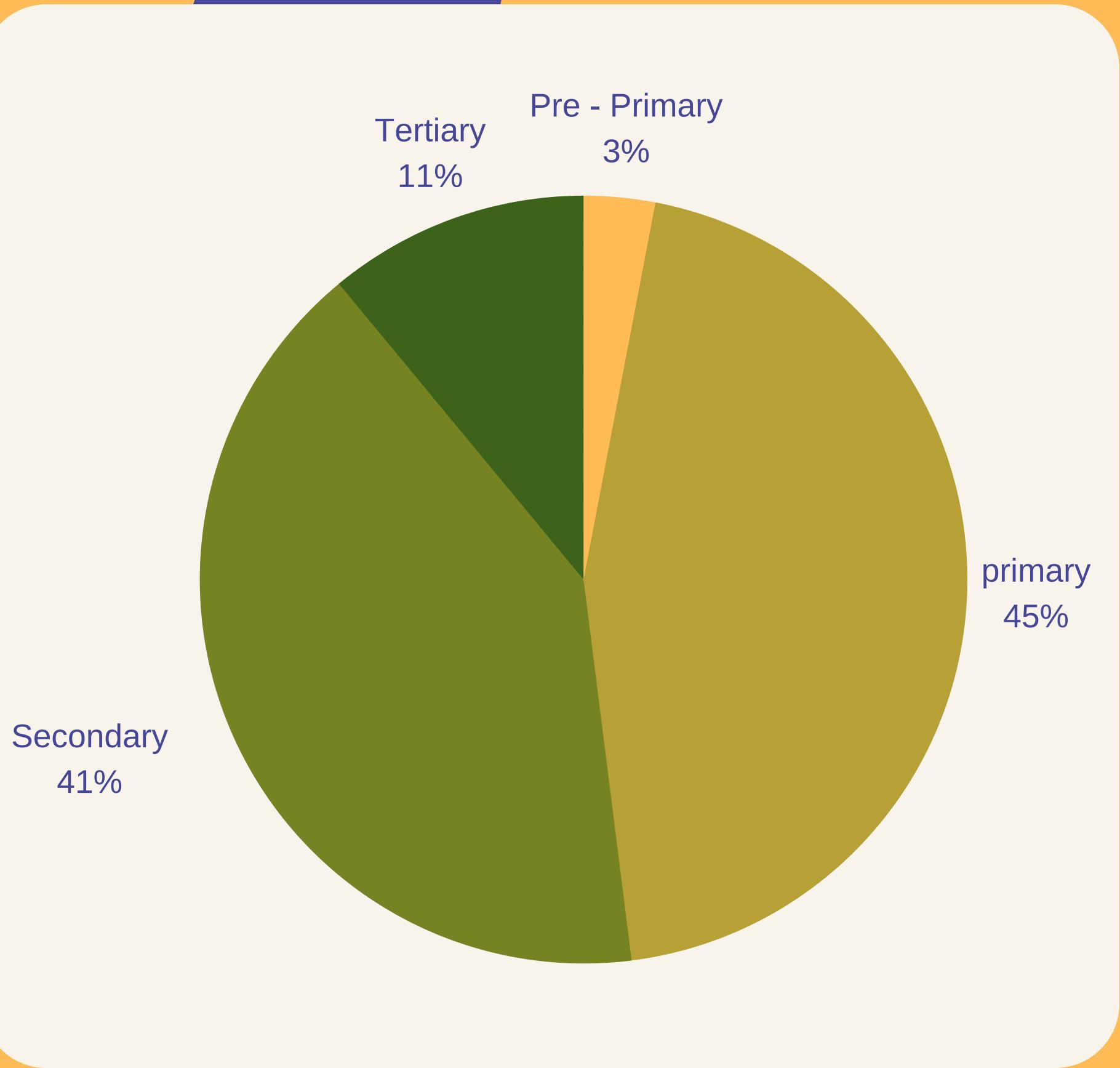
Student from Indian Education



## **what's the reason ?**

In India, around 250 million students were affected due to school closures at the onset of lockdown induced by COVID-19. The pandemic posed several challenges in public and private school which included an expected rise in dropouts, learning losses, and increase in digital divide. The pandemic also called into question the readiness of the systems, including teachers to address such a crisis and sustainability of private schools.

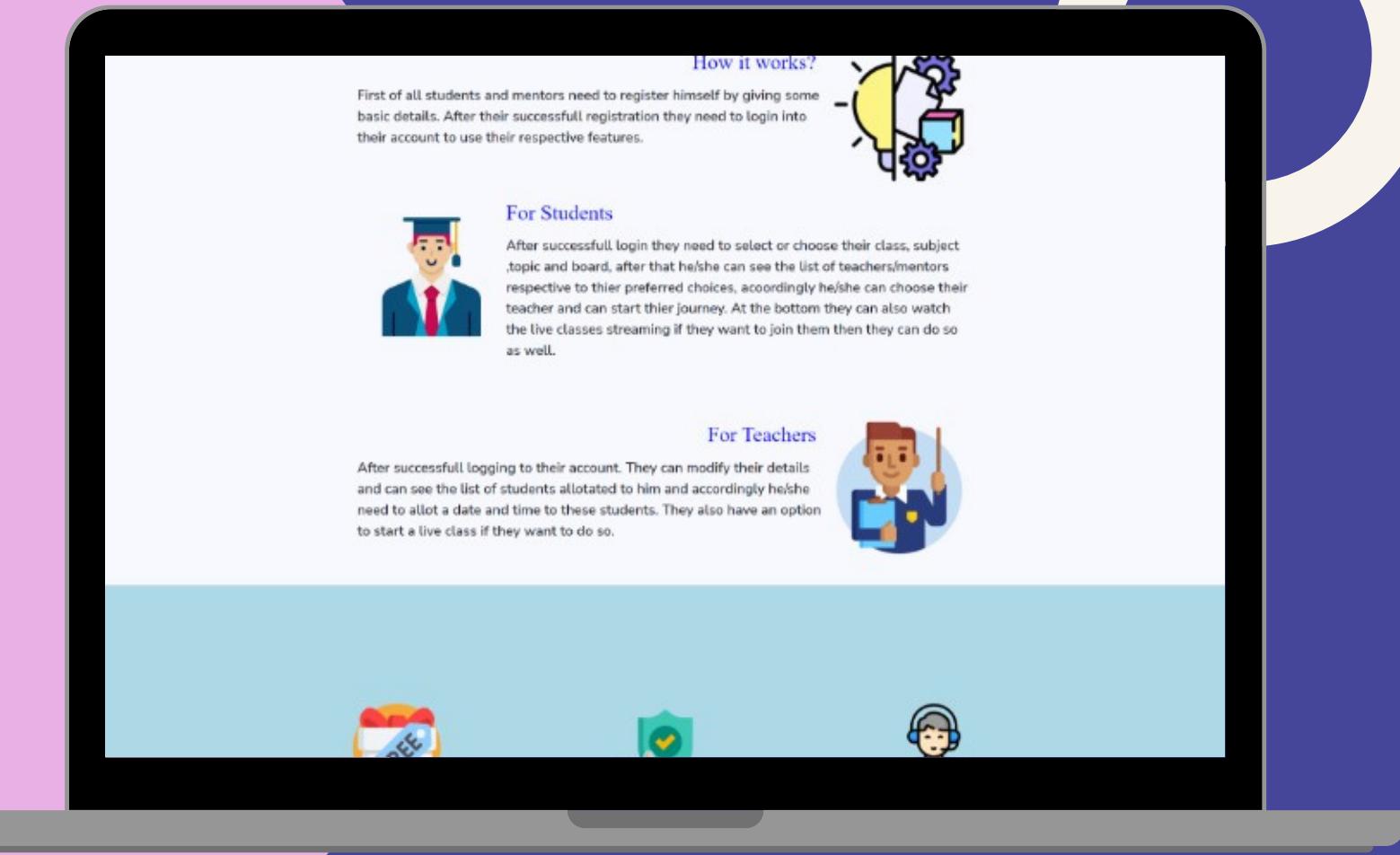




## AFFECT ON EDUCATION

The pie chart depicting how many children Education is affected due to Covid - 19 pandemic.





# ...Here comes the hero...

# Adhyapanam

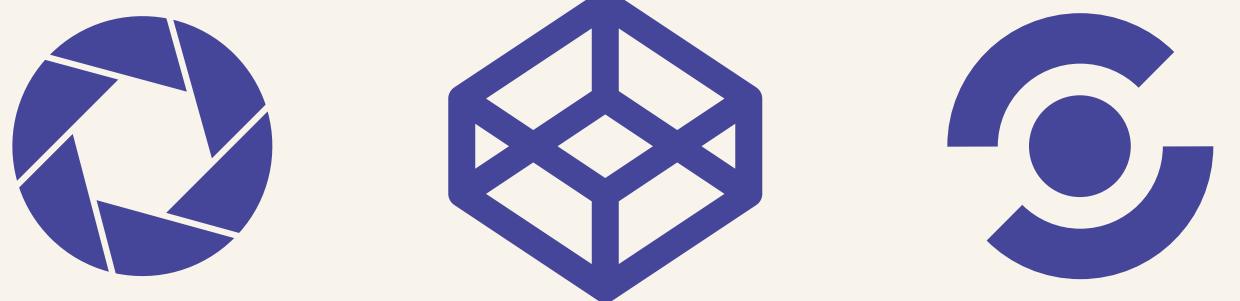


A initiative with the power of technology that helps to connect student with their mentor for their bright future by giving



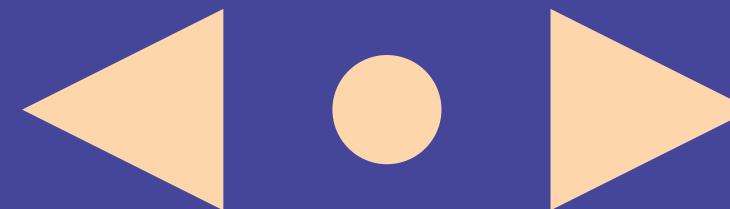


## Tools & Framework



**Those tools help to accelerate the web development process by providing drag and drop elements and various built-in features to create a more attractive web design layout.**

**Some of them are HTML 5 , CSS 3 & JS etc that we have discussed in next slide**



1

## HTML

HyperText Markup Language

2

## CSS

Cascading Style Sheets

3

## JAVASCRIPT

programming language

4

## NODE JS

cross-platform, back-end

5

## Express

framework for Node.js,

6

## JQuery

HTML DOM tree traversal

7

## MongoDB

database program

8

## React JS

front-end JavaScript

9

## Bootstrap

CSS framework

10

## Material UI

library of react js



**Right To Education**

**Our Mission:**

Our aim is to provide excellent and free courses to all of the students belonging from class 6th to class 12th of any board (CBSE, ICSE etc.) with quality content. In India there are many students who can't afford the high demanding fees of good institutions so they can not get quality education and good mentor as well. So, here we came up with little startup to help students like you. Hope you find this website useful.

[Learn More](#)



**What is actually Gyandan?**

Gyandan is an educational portal to help students belonging to poor family to provide them free education with the mentorship from great teachers through online mode. It is an opportunity for students to clear their doubts from the teachers at the time which will be scheduled by teacher.

**How it works?**

First of all students and mentors need to register himself by giving some basic details. After their successful registration they need to login into their account to use their respective features.



**For Students**



After successful login they need to select or choose their class, subject, topic and board, after that he/she can see the list of teachers/mentors respective to their preferred choices, accordingly he/she can choose their teacher and can start their journey. At the bottom they can also watch the live classes streaming if they want to join them then they can do so as well.

**For Teachers**



After successful logging to their account. They can modify their details and can see the list of students allotted to him and accordingly he/she need to allot a date and time to these students. They also have an option to start a live class if they want to do so.

**Free of cost**



Everything is free of cost from teaching to guidance.

**Trusted Content**



Created by subject experts having an experience of atleast 8-10 years.

**Contact Teachers**



In case if you have any query/doubt you can directly contact corresponding subject teacher.

**Ved Prakash**



"Hello Everyone, Myself Ved Prakash and currently I am BTU second year student I am passionate about coding and our aim is to provide best educational content to school students especially for those who can't afford coaching. We hope you enjoy our website."

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# • Adyapanam Homepage

An interactive homepage that can be easily understandable to students and teacher , and all those who are not o much familiar with technology.

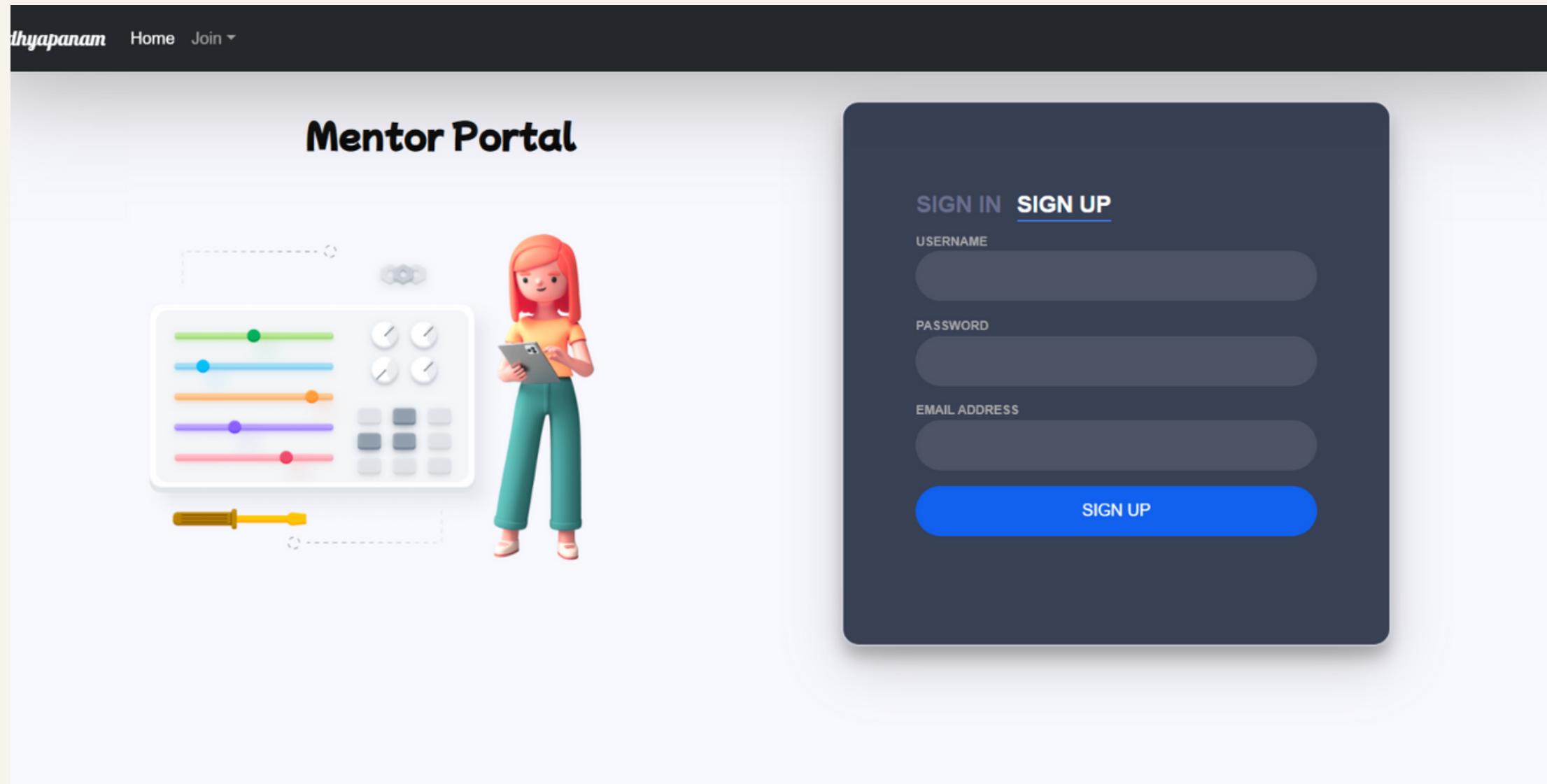
## • Clear calls to action

An informational sites want visitors to read and share articles, follow the company on social media, download toolkits, join mailing lists or learn more about the organization.

## • Optimized for Mobile

site look great and work well on any platform. Optimizing for mobile will improve both the experience of your visitors and your SEO Rankings.

# Mentor Portal & implementation



**Step 1**

Sign Up as Mentor

**Step 2**

Enter your username

**Step 3**

Enter your password

**Step 4**

Enter your Email

**Step 5**

Sign in as Mentor

## Add a Class / Message

Add class details , links or Test along with their important notification.

[+ ADD](#)

Tushar45  
paltushar35@gmail.com  
Mentor

**Instructor : Tushar45**  
**Squares and Square Roots**  
Grade 8th | Mathematics

21-01-2022  
12 pm - 1 pm

[Join Now →](#)

**Instructor : Tushar45**  
**Coordinate Geometry**  
Grade 9th | Mathematics

22-01-2022  
1pm - 2pm

[Join Now →](#)

**Instructor : Tushar45**  
**Statistics and Probability**  
Grade 10th | Mathematics

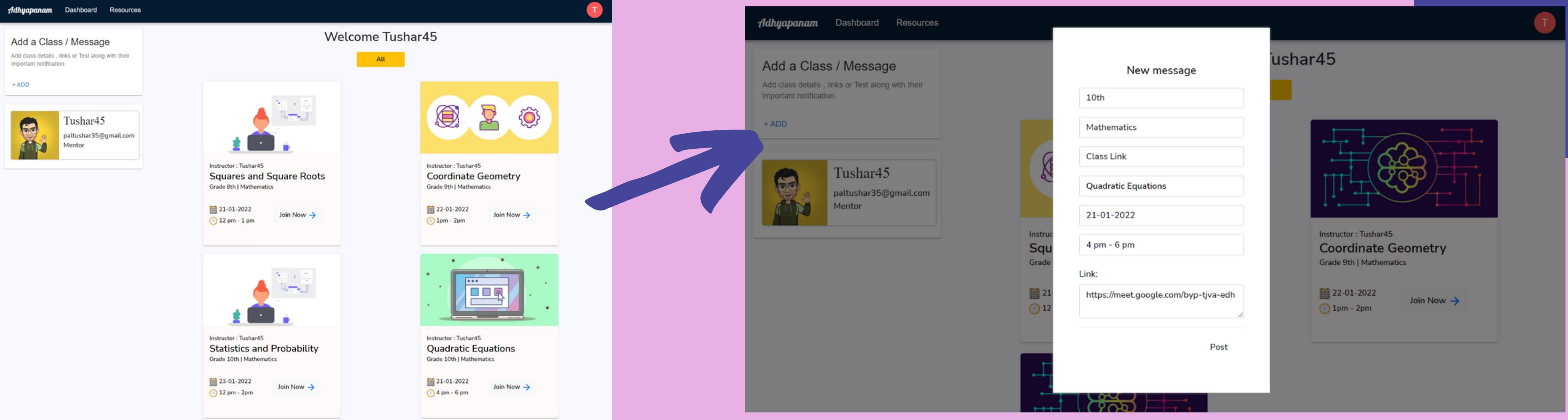
23-01-2022  
12 pm - 2pm

[Join Now →](#)

**Instructor : Tushar45**  
**Quadratic Equations**  
Grade 10th | Mathematics

21-01-2022  
4 pm - 6 pm

[Join Now →](#)



## Approach 1

After signing in as mentor , you will be able to see mentor portal dashboard where you can see all classes link, test, seminar etc

## Approach 2

if mentor wants to add any new class for student then he/she can easily add by clicking on add classes then a modal will open where they need to fill required details.

## Approach 3

after all details get filled then they need to click on post button then new class will be added to their dashboard and also to students dashboard / live classes section

The image displays two side-by-side screenshots of the Adhyapanam platform's mentor dashboard. Both screenshots feature a dark blue header with the brand name 'Adhyapanam' and navigation links for 'Dashboard' and 'Resources'. A red circular icon with a white letter 'T' is positioned in the top right corner.

**Screenshot 1 (Left):** The title 'Welcome Tushar45' is at the top. Below it is a section titled 'Add a Class / Message' with a note: 'Add class details , links or Test along with their important notification.' A '+ ADD' button is present. The main content area shows four class cards:

- Instructor : Tushar45**  
**Squares and Square Roots**  
Grade 8th | Mathematics  
21-01-2022 12 pm - 1 pm [Join Now →](#)
- Instructor : Tushar45**  
**Coordinate Geometry**  
Grade 9th | Mathematics  
22-01-2022 1pm - 2pm [Join Now →](#)
- Instructor : Tushar45**  
**Statistics and Probability**  
Grade 10th | Mathematics  
23-01-2022 12 pm - 2pm [Join Now →](#)
- Instructor : Tushar45**  
**Quadratic Equations**  
Grade 10th | Mathematics  
21-01-2022 4 pm - 6 pm [Join Now →](#)

**Screenshot 2 (Right):** The title 'Welcome Tushar45' is at the top. Below it is a section titled 'Class Link' with a note: 'Add class details , links or Test along with their important notification.' A '+ ADD' button is present. The main content area shows four class cards:

- Instructor : Tushar45**  
**Squares and Square Roots**  
Grade 8th | Mathematics  
21-01-2022 12 pm - 1 pm [Join Now →](#)
- Instructor : Tushar45**  
**Statistics and Probability**  
Grade 10th | Mathematics  
23-01-2022 12 pm - 2pm [Join Now →](#)
- Instructor : Tushar45**  
**Quadratic Equations**  
Grade 10th | Mathematics  
21-01-2022 4 pm - 6 pm [Join Now →](#)

# History

if a mentor want to see all classes then there is all option in dropdown format where you can see all classes or class link, test , seminar etc only

Ex - if you want to see class link history then just click on class link then you can see.

**JOIN :** if you want to join any upcoming class then you can easily click on join button then you can join upcoming class.

# STUDENT PORTAL

## Step 1

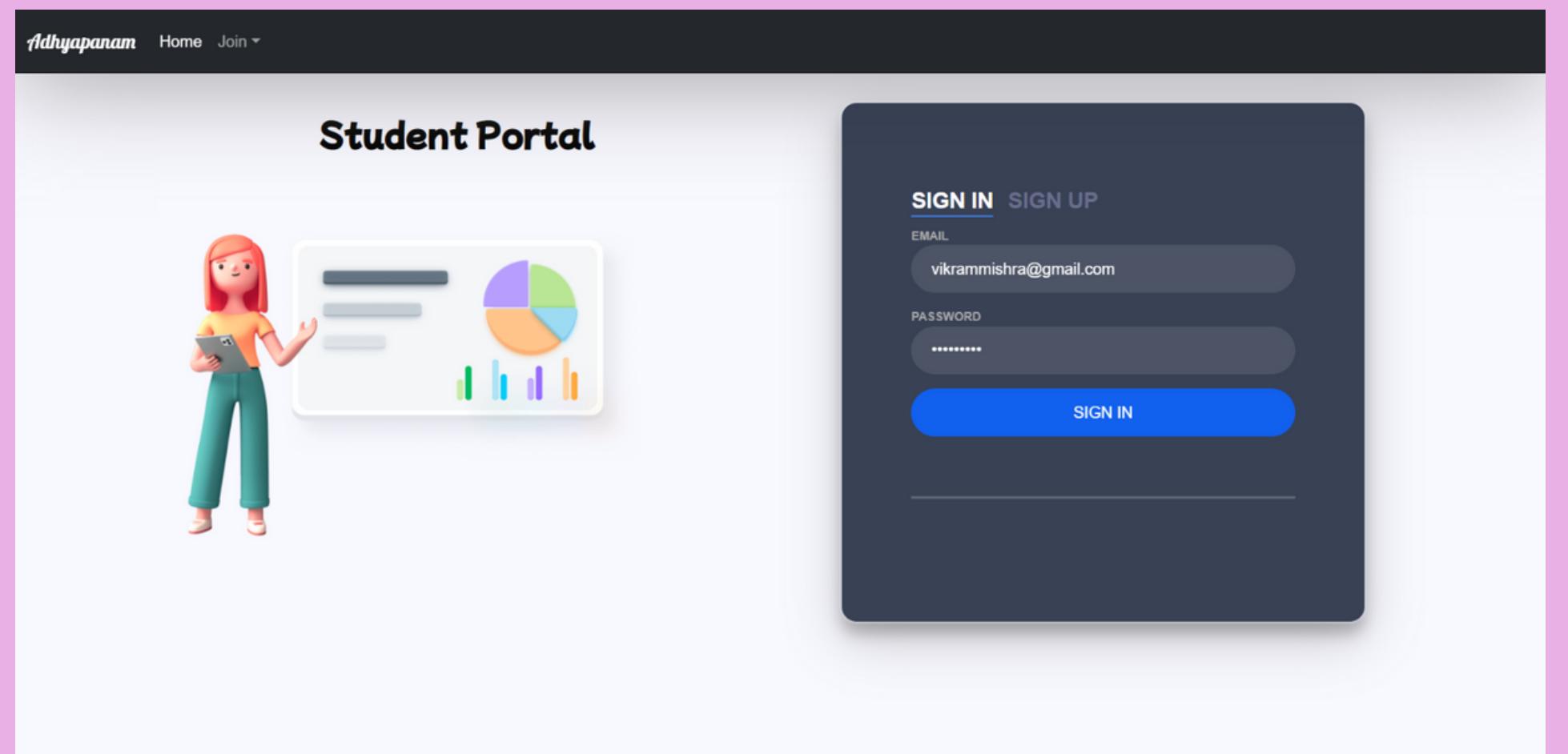
Student portal is also same as mentor portal.

## Step 2

First Sign up by entering required details like username, password and email id. then student will get registered on our platform.

## Step 3

After Sign up, now Sign in as student by entering the required credentials.





**Adhyapanam** Dashboard Resources

Standard Subject

Instructor : Tushar Hindi  
Grade 10th | Hindi

11-02-2021 12:30 PM [Join Now →](#)

Instructor : Tushar Respiration  
Grade 6th | Science

13-10-2021 2:30 PM [Join Now →](#)

Instructor : Moogambo Reproduction  
Grade 9th | English

11-02-2021 11:30 PM [Join Now →](#)

Instructor : Moogambo Grammer  
Grade 7th | Hindi

11-02-2021 11:30 PM [Join Now →](#)

Instructor : Tushar45 Squares and Square Roots  
Grade 8th | Mathematics

21-01-2022 12 pm - 1 pm [Join Now →](#)

Instructor : Tushar45 Coordinate Geometry  
Grade 9th | Mathematics

22-01-2022 1pm - 2pm [Join Now →](#)

Instructor : Tushar45 Statistics and Probability  
Grade 10th | Mathematics

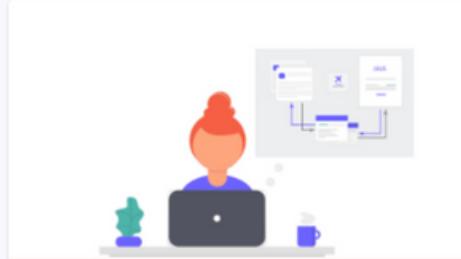
23-01-2022 12 pm - 2pm [Join Now →](#)

Instructor : Tushar45 Quadratic Equations  
Grade 10th | Mathematics

21-01-2022 4 pm - 6 pm [Join Now →](#)

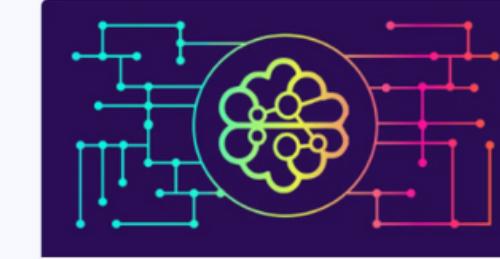
Adhyapanam Dashboard Resources

10th Subject



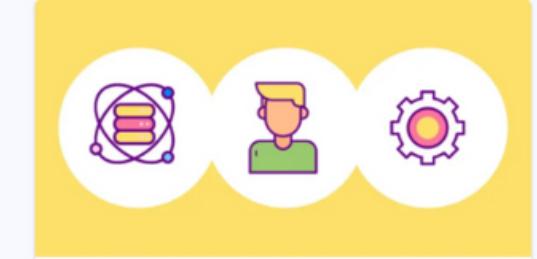
Instructor : Tushar Hindi  
Grade 10th | Hindi

11-02-2021 12:30 PM [Join Now →](#)



Instructor : Tushar45 Statistics and Probability  
Grade 10th | Mathematics

23-01-2022 12 pm - 2pm [Join Now →](#)



Instructor : Tushar45 Quadratic Equations  
Grade 10th | Mathematics

21-01-2022 4 pm - 6 pm [Join Now →](#)

- **Dashboard will appear with all classes and subject .**
- **On Standard and subject dropdown , student need to click**
- **Choose the class and subject which he/she need to study or join for live classes.**
- **then they can join by clicking on join button and enjoy the interactive classes.**

Open with ▾

# Squares and Square Roots

CHAPTER 6



0852CH05

## 6.1 Introduction

You know that the area of a square = side × side (where 'side' means 'the length of a side'). Study the following table.

Side of a square (in cm)	Area of the square (in cm <sup>2</sup> )
1	$1 \times 1 = 1 = 1^2$
2	$2 \times 2 = 4 = 2^2$
3	$3 \times 3 = 9 = 3^2$
5	$5 \times 5 = 25 = 5^2$
8	$8 \times 8 = 64 = 8^2$
$a$	$a \times a = a^2$

What is special about the numbers 4, 9, 25, 64 and other such numbers?  
Since, 4 can be expressed as  $2 \times 2 = 2^2$ , 9 can be expressed as  $3 \times 3 = 3^2$ , all such numbers can be expressed as the product of the number with itself.  
Such numbers like 1, 4, 9, 16, 25, ... are known as **square numbers**.  
In general, if a natural number  $m$  can be expressed as  $n^2$ , where  $n$  is also a natural number, then  $m$  is a **square number**. Is 32 a square number?  
We know that  $5^2 = 25$  and  $6^2 = 36$ . If 32 is a square number, it must be the square of a natural number between 5 and 6. But there is no natural number between 5 and 6.  
Therefore 32 is not a square number.

Page 100 / 287 | - | +

# Free Resources

Use these free resources and study material is available for student and mentor so they can easily read and learn..

# Competitive Advantages



## Advantage 1

Online learning helps students to learn at their own pace comfortably.

## Advantage 3

Students do not have any disturbances or distractions which make learning more effective.

## Advantage 5

Online quiz having multiple-choice questions (MCQ) preferred by students.

## Advantage 2

Students prefer to learn from video lectures delivered by his/her faculty handling the subject.

## Advantage 4

Students can get their doubts clarified during lectures, by posting queries in discussion forums.



# **Competitive Advantages**

## **Advantage 6**

Student version software is useful for learning. Animations are found to be the best digital approach for learning.

## **Advantage 8**

Mentor Portal have special filter of class format to check history of previous classes which they have taken or message.

## **Advantage 10**

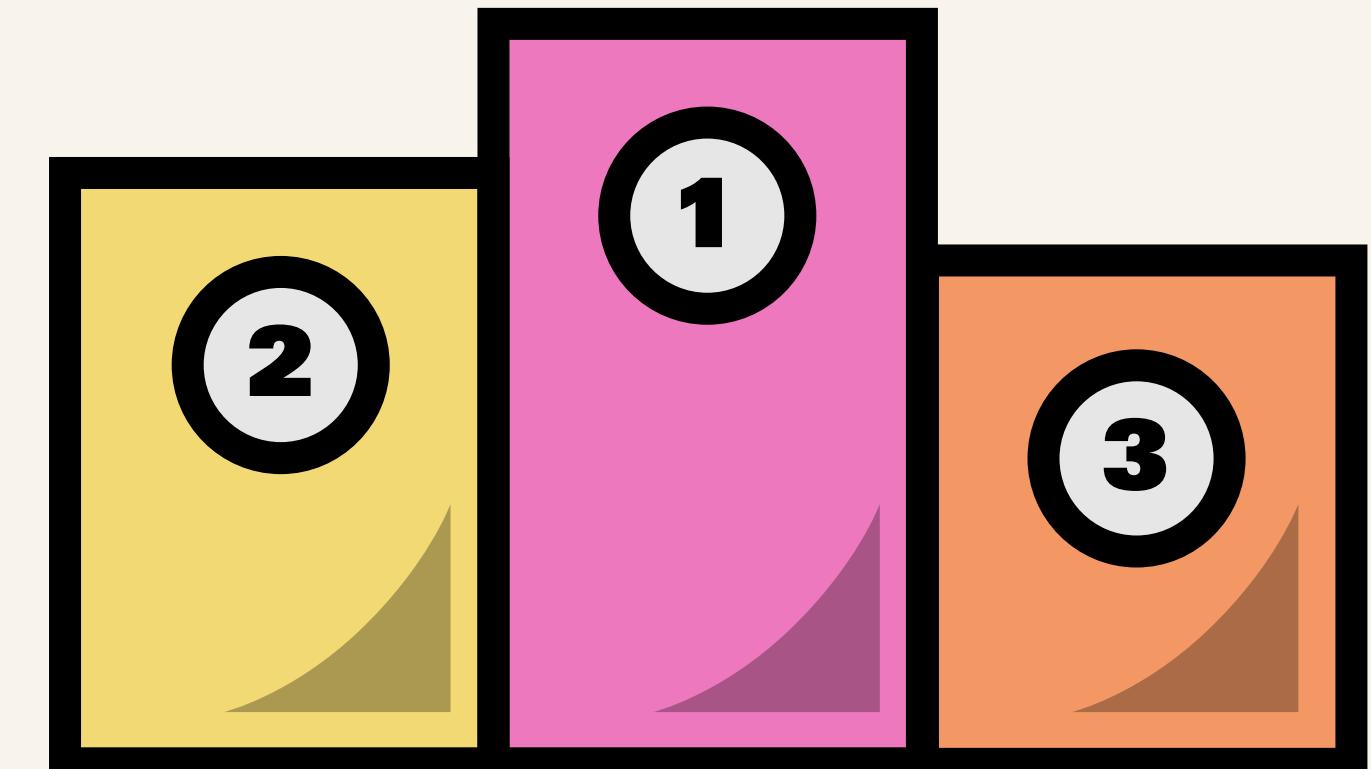
Adhyapanam is cost effective as it charges no cost from student and mentor.

## **Advantage 7**

Mentors get their Personal Portal to post classes and messages link to students.

## **Advantage 9**

Online classes are more effective because they provide PPTs in front of every student, and also the resources which is already uploaded on website.



# SCALABILITY

## Reason 1

By incorporating key learning modalities , practice material, and assessment , an effective platform aids in optimal course pacing, remediation, and higher success.

## Reason 2

Busy professionals who are juggling their time between a full-time job, can continue education, training requirement, or other lifelong learning goals.



# SCALABILITY

## Reason 3

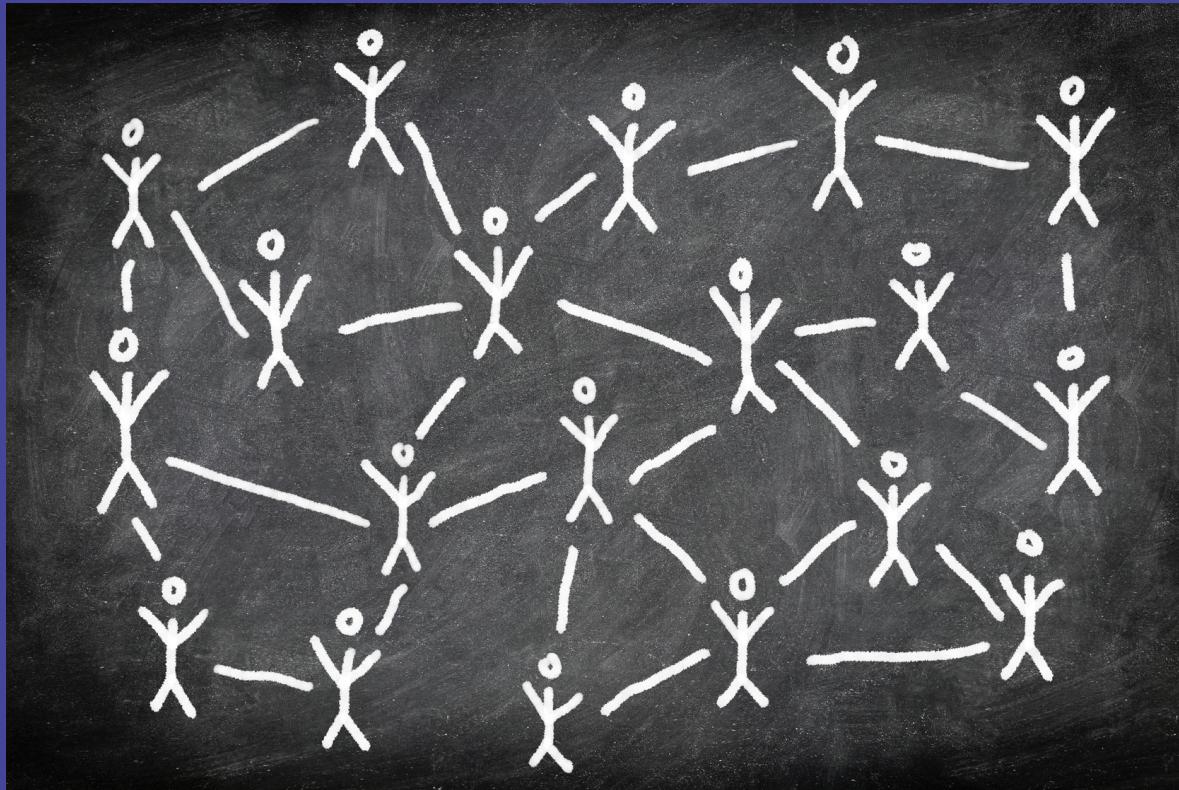
Web-application framework, data-driven design, and scalable cloud computing enables large scale deployments, user data capture, and resource management for all of your course needs.

## Reason 4

Being mindful of a program's integration process and the ease of how admins can update content is crucial to the success of delivering content.



# References



- <https://www.mckinsey.com/industries/education/our-insights/scaling-online-education-five-lessons-for-colleges>
- <https://www.sciencedirect.com/science/article/pii/S019074092032288X>
- <https://reliefweb.int/report/india/unicef-india-covid-19-pandemic-monthly-situation-report-no-4-1-31-july-2020>
- [https://www.zapmeta.ws/ws?q=educational%20chart&asid=ws\\_ba\\_gc2\\_03&de=c&ac=4212&cid=369677973&aid=1316116338231843&locale=en\\_US&msclkid=97e52ab42f8e13d81f8c4b5391a1eaf9](https://www.zapmeta.ws/ws?q=educational%20chart&asid=ws_ba_gc2_03&de=c&ac=4212&cid=369677973&aid=1316116338231843&locale=en_US&msclkid=97e52ab42f8e13d81f8c4b5391a1eaf9)

# " Big-O-Master "



**Ved Prakash**

back-end, front-end, MERN stack development



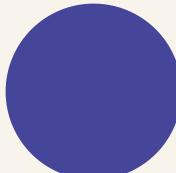
**Tushar Pal**

back-end, front-end, full-stack-development, Content research



**Vikram Mishra**

back-end, front-end development, full-stack-development



# THANKS YOU