
Student Learning Hub-

A Web-Based Educational Platform for Grades 6–10

Guide:Prof.B.Lalitha

Presented By:

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Student Learning Hub

Empowering students in 6th to 10th grades with free books and resources.

"Dream big, learn boldly, and achieve beyond limits—your journey starts here."

[Enter Platform](#)

Problem Statement:

- Many students lack centralized access to quality study materials.
- Difficulty in tracking progress and connecting with subject teachers.
- Teachers face limitations in distributing updated resources effectively.
- Need for a simple, role-based platform to organize learning.

Purpose:-

The Student Learning Hub provides a structured platform for:-

- Subject-wise and class-wise educational content.
- Student-teacher communication for doubt clarification.
- Individual progress tracking and resource bookmarking.
- A cleaner, guided educational experience across classes 6–10.

Objectives:

- Create a responsive web platform for students and teachers.
- Allow class and subject filtering for relevant resources.
- Enable teachers to upload study materials and guidance schedules.
- Provide dashboards for progress, bookmarks, and profile management.

Tech Stack Used:

- Frontend: HTML, CSS, JavaScript, Bootstrap
- Backend: Node.js, Express.js
- Database: MySQL (XAMPP)
- Others: LocalStorage (for session), VS Code, Git

Key Features:

The screenshot shows a web browser window for the "Student Learning Hub" at the URL 127.0.0.1:5500/ind.html. The page is divided into several sections:

- About Us:** The Student Learning Hub is dedicated to providing a comprehensive platform for students in grades 6 to 10. Our mission is to empower students with the resources they need to succeed academically and personally. We believe that every student deserves access to quality educational materials, regardless of their background.
- Our Mission:** To empower students by providing free access to educational resources, fostering a love for learning, and supporting their academic journey.
- Our Vision:** To be a leading platform that transforms the educational experience for students, making learning accessible, engaging, and effective.
- Our Values:** Inclusivity, integrity, innovation, and collaboration in all our services.
- What We Offer:**
 - Teacher Profiles:** Students can view profiles of qualified teachers, including their specializations, teaching preferences, and contact information. This allows students to connect with teachers for online classes to clarify doubts and enhance their understanding of subjects.
 - Books:** We offer a wide range of books covering various subjects and grade levels, ensuring that students have access to quality educational materials.
 - Question Banks:** Our platform includes question banks for different subjects, helping students prepare for exams and practice their skills effectively.

At the bottom, a footer bar contains the text: © 2025 Student Learning Hub. Empowering education everywhere.

- Admin View (Future Scope)

Student SignUp:

Student Learning Hub 127.0.0.1:5500/ind.html

Student Learning Hub

[Login](#) [Sign Up](#)

About Us

The Student Learning Hub is dedicated to providing educational resources and support for students in grades 6 to 10. Our mission is to help students succeed academically and personally. We offer a wide range of educational materials, including books, question banks, and online classes, to support students in their learning journey.

Our Mission

To be a leading platform that transforms education by providing accessible and affordable resources, fostering a love for learning, and supporting students in all our services.

Sign Up

[Student Sign Up](#) [Teacher Sign Up](#)

Full Name

Email

Password

Sign Up

Already have an account? [Login](#)

Books:

We offer a wide range of books covering various subjects and grade levels, ensuring that students have access to quality educational materials.

Question Banks:

Our platform includes question banks for different subjects, helping students prepare for exams and practice their skills effectively.

Teacher Sign Up:

Student Learning Hub

127.0.0.1:5500/ind.html

Back Login Sign Up

Sign Up

Student Sign Up Teacher Sign Up

Full Name

Email

Password

Specialization

Profession

Select your preferred class (for teacherFields)

6th 7th 8th 9th 10th

Selects subjects of interest (for teacherFields)

Mathematics Science English History Geography

Sign Up

Already have an account? [Login](#)

Our platform includes question banks for different subjects, helping students prepare for exams and practice their skills effectively.



Role-Based Login (Student & Teacher)

Student Learning Hub

Login Sign up

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Login

Student Login Teacher Login

Email

To be a leading platform that transforms education and makes learning accessible to all.

on in all our services.

Don't have an account? [signup](#)

[Forgot Password?](#)

Students can view profiles of qualified teachers for online classes to clarify doubts.

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We offer a wide range of books covering various subjects and grade levels, ensuring that students have access to quality educational materials.

Question Banks:

Our platform includes question banks for different subjects, helping students prepare for exams and practice their skills effectively.



Class/Subject-wise Filtering

Back

127.0.0.1:5500/welcome.html

Ent in li Talking: Sridevi

Welcome, DUDEKULA SHAMEEN

Search materials...

Student Learning Hub

Classes

- 6th Grade
- 7th Grade
- 8th Grade
- 9th Grade
- 10th Grade

Subjects

- Mathematics
- Science
- English
- History
- Hindi
- Telugu

Apply Filters

Mathematics pdf



6th Grade MATHEMATICS

Comprehensive guide covering Numbers all around us ,Whole numbers ,HCF & LCM ,Integers,Fractions & Decimals ,Basic Arithmetic ,Introduction to Algebra ,Basic Geometric Concepts ,2D-3D Shapes ,Practical Geometry,Perimeter and Area ,Data Handling .

[View](#) [Download](#) [★](#)



6th Grade Science sem1

Complete notes covering all science topics for 6th grade with diagrams and illustrations.

[View](#) [Download](#) [★](#)



6th Grade Science sem2

Complete notes covering all science topics for 6th grade with diagrams and illustrations.

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प्राचीन pdf

कक्षा 6 के लिए इंटर्टी को प्राचीन संस्कृत का अध्ययन करने के लिए एक अच्छी विकल्प है।



pdf

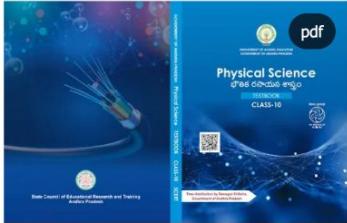


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● ★ Bookmark System

← Back

Student Learning Hub



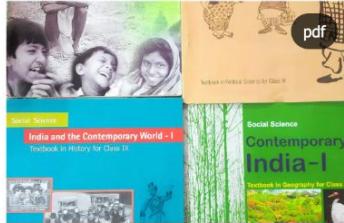
10th Grade Physics

a comprehensive resource designed for students to understand fundamental physics concepts.

View

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★ Remove Bookmark



9th Grade Economics

a comprehensive resource designed for students following the CBSE curriculum.

View

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★ Remove Bookmark



7th Grade Social Sem1

an essential resource for students, covering three main subjects: History, Geography, and Civics.

View

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← Back

User Dashboard



Profile



Progress



Bookmarks



Settings

Mathematics

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● Progress Dashboard

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Student Learning Hub



Mathematics

pdf

Mathematics

6th Grade MATHEMATICS

Comprehensive guide covering
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Arithmetic ,Introduction to Algebra
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6th Grade Science sem1

pdf

Complete notes covering all science
topics for 6th grade with diagrams
and illustrations.

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Complete notes covering all science
topics for 6th grade with diagrams
and illustrations.

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User Dashboard

 Profile Progress Bookmarks Settings

Progress

6th Grade English
Last page viewed: 1
Last viewed: 7/2/2025, 7:29:55 PM

6th Grade Science sem2
Last page viewed: 1
Last viewed: 7/5/2025, 2:34:28 PM

6th Grade Hindi
Last page viewed: 1
Last viewed: 7/4/2025, 4:22:11 PM

6th Grade Science sem1
Last page viewed: 1
Last viewed: 7/7/2025, 11:38:09 AM

8th Grade Telugu
Last page viewed: 1
Last viewed: 7/4/2025, 12:49:36 AM

8th Grade Hindi
Last page viewed: 1
Last viewed: 7/4/2025, 12:50:12 AM

Content Uploads (by Teachers)

●  Content Uploads (by Teachers)

Teacher Dashboard x + 127.0.0.1:5500/teacher.html

[← Back](#)

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Add Resource

Mathematics pdf

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6th Grade Science sem1

Select Class

Complete notes covering all science topics for 6th grade with diagrams and illustrations.

6th Grade Science sem2

Select Class

Complete notes covering all science topics for 6th grade with diagrams and illustrations.

[View](#) [Download](#) [Bookmark](#) [Delete](#)

[Upload](#)

[Cancel](#)

User Dashboard

[← Back](#)

Profile **+Add Content** **Bookmarks** **Bin Progress**

6th Grade

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[View](#)

Chat

Teachers can delete the unnecessary content:

Teacher Dashboard x + 127.0.0.1:5500/teacher.html h | 🌐 🚫 □ ⌂ ⌂ ⌂ ⌂

Sem2

designed to provide a comprehensive understanding of mathematical concepts, covering topics such as Algebra, Trigonometry, Geometry, and Calculus.

[View](#) [Download](#) [Bookmark](#) [Delete](#)

10th Grade Physics

a comprehensive study material for students to understand fundamental physics concepts.

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10th Grade History

designed to make history engaging and easy to understand, with a focus on applied history and its relevance to everyday life and professional skills.

[View](#) [Download](#) [Bookmark](#) [Delete](#)

10th Grade Economics

"Understanding Economic Development"

[View](#) [Download](#) [Bookmark](#) [Delete](#)

10th Grade Geography

an essential resource for students preparing for their board exams, covering topics such as resources and development, forests and wildlife, water resources, and more.

[View](#) [Download](#) [Bookmark](#) [Delete](#)

10th Grade Politics

"Democratic Politics II"

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10th Grade Science

containing comprehensive study material for students following the Telangana curriculum.

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10th Grade English

student learning hub

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Chat

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Profile



+Add Content



Bookmarks



Bin Progress

Deleted Resources (Bin)

ppt

Restore

Delete Permanently

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Chat



127.0.0.1:5500 says

Resource restored!

OK

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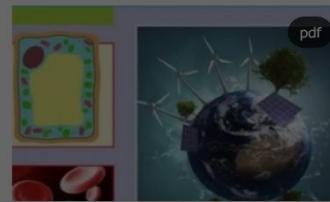
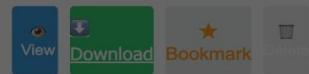
[Profile](#)[+Add Content](#)[Bookmarks](#)[Bin Progress](#)

Deleted Resources (Bin)

[ppt](#)[Restore](#)[Delete Permanently](#)

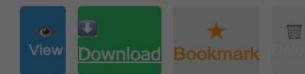
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6th Grade Science sem1

Complete notes covering all science
topics for 6th grade with diagrams
and illustrations.



6th Grade Science sem2

Complete notes covering all science
topics for 6th grade with diagrams
and illustrations.



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Chat

10th Grade Mathematics

Sem2

designed to provide a comprehensive understanding of mathematical concepts, covering topics such as Algebra, Trigonometry, Geometry, and Calculus.



10th Grade Physics

a comprehensive resource designed for students to understand fundamental physics concepts.



10th Grade History

designed to make history engaging and easy to understand, with a focus on applied history and its relevance to everyday life and professional skills.



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"Democratic Politics II"

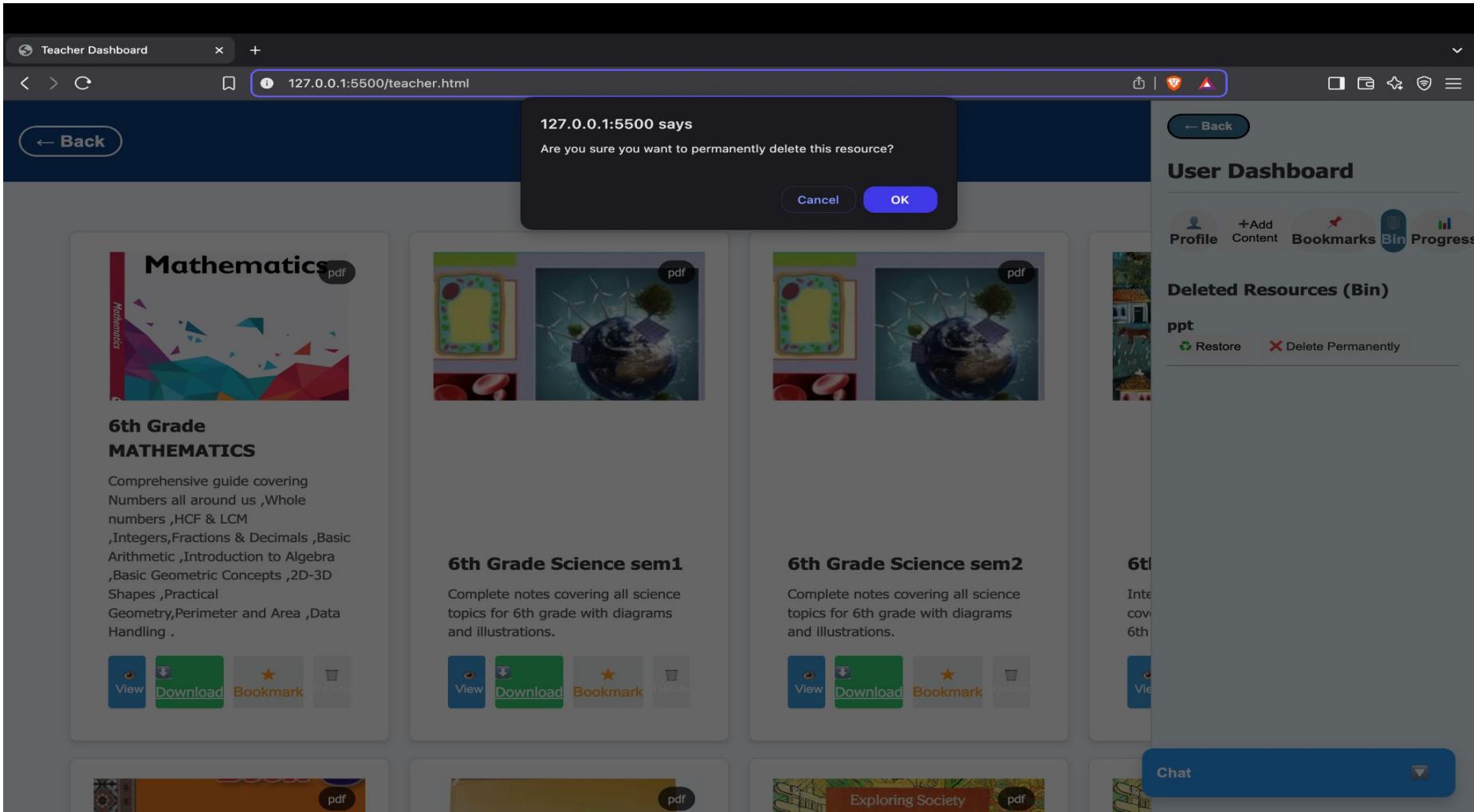


ppt

student learning hub



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Profile

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and illustrations.



6th Grade Science sem2

Complete notes covering all science
topics for 6th grade with diagrams
and illustrations.



User Dashboard



Profile Progress Bookmarks Settings

Profile

Name: DUDEKULA SHAMEEN

Email: dudekulasha2006@gmail.com

Role: student

Student Learning Hub

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User Dashboard



Profile

+Add Content



Bookmarks



Bin

Progress

 Profile

Name: Shakirth Shafiya

Email: shafiyashakirth@gmail.com

Role: teacher

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Settings

Current Password

New Password

Confirm New Password

Change Email (Optional)

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Save Changes

Content search

← Back

Student Learning Hub

Welcome, Shakti Shanya

Hindi



6th Grade Hindi

Interactive workbook with exercises covering all grammar concepts for 6th grade.



7th Grade Hindi

Documentary series exploring ancient civilizations around the world.



8th Grade Hindi

commonly known as "Vasant," is a part of the NCERT curriculum and is designed to enhance students understanding of the Hindi language.



9th Grade Hindi

designed to enhance their reading, writing, and comprehension skills in the Hindi language.



Chat

ChatBox: Teachers and Students Communicate

Students can ask their doubts

StudentPage x +

127.0.0.1:5500/welcome.html

Back ≡ Welcome, DUDEKULA SHAMEEN

Search materials...

Student Learning Hub



Mathematics

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6th Grade Science sem2

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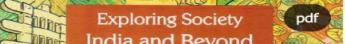
6th Grade Hindi

Interactive workbook with exercises
com 6th

Chat

DUDEKULA SHAMEEN [01:11 PM]: i have
one dout in Biology mam

View Download Bookmark



Exploring Society India and Beyond

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Teacher Dashboard x +

127.0.0.1:5500/teacher.html

Back ←

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Welcome, Shakirth Shafiya

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Mathematics



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6th Grade Science sem1



Complete notes covering all science
topics for 6th grade with diagrams
and illustrations.

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6th Grade Science sem2



Complete notes covering all science
topics for 6th grade with diagrams
and illustrations.

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6th Grade Hindi



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DUDEKULA SHAMEEN [01:11 PM]: i hav
one dout in Biology mam

Shakirth Shafiya [01:17 PM]: what is ur
doubt

Type a message...

Exploring Society pdf

If they want to delete message they can

The screenshot shows the 'Student Learning Hub' website. At the top, there is a navigation bar with a 'Back' button, the title 'Student Learning Hub', a user welcome message 'Welcome, DUDEKULA SHAMEEN', and a search bar. Below the header, there are four main content cards arranged in a row. The first card is for 'Mathematics' (6th Grade), featuring a colorful geometric background and a 'pdf' icon. The second and third cards are for '6th Grade Science sem1' and '6th Grade Science sem2' respectively, both featuring a globe with wind turbines and a 'pdf' icon. The fourth card is for 'Exploring Society India and Beyond', featuring a colorful illustration of a landscape and a 'pdf' icon. Each card has three interactive buttons at the bottom: 'View' (blue), 'Download' (green), and 'Bookmark' (grey).

Then the message will disappear

Teacher Dashboard x + 127.0.0.1:5500/teacher.html

Student Learning Hub

Welcome, Shakirth Shafiya

Search materials...

Mathematics pdf

6th Grade MATHEMATICS

Comprehensive guide covering Numbers all around us ,Whole numbers ,HCF & LCM ,Integers,Fractions & Decimals ,Basic Arithmetic ,Introduction to Algebra ,Basic Geometric Concepts ,2D-3D Shapes ,Practical Geometry,Perimeter and Area ,Data Handling .

View **Download** **Bookmark** **Delete**

6th Grade Science sem1

Complete notes covering all science topics for 6th grade with diagrams and illustrations.

View **Download** **Bookmark** **Delete**

6th Grade Science sem2

Complete notes covering all science topics for 6th grade with diagrams and illustrations.

View **Download** **Bookmark** **Delete**

6th Grade Hindi

Interactive workbook with exercises covering all grammar concepts for 6th grade.

Chat

Shakirth Shafiya [01:17 PM]: what is ur doubt

Type a message...

Exploring Society pdf

Project Workflow:

Week 1–2: Requirement gathering & UI design

Week 3–4: Login system & role-based routing

Week 5–6: Dashboard + Resource grid integration

Week 7–8: Bookmarking + Filter + Teacher uploads

Week 9–10: Testing, styling & final presentation

User Roles

- Students
 - Register and access class-based content
 - Gain knowledge by contacting teachers directly
 - Ask subject-specific doubts
- Teachers
 - Register and upload content
 - Provide availability for guidance
 - Respond to student queries

Advantages

-  Simple UI, mobile-friendly
-  Personalized content filtering
-  Encourages guided learning
-  Empowers teachers with content control
-  Saves time and improves learning organization

Limitations & Future Work

- Limitations

- Currently uses local storage (no cloud sync)
- No real-time messaging
- Requires manual updates for new resources

- Future Work

- Integrate Firebase or cloud hosting
- Add quiz and test modules
- Enable live doubt sessions or chat
- Add parental access and feedback options

Conclusion

- Student Learning Hub bridges the gap between students and teachers with a focused, scalable platform.
- It enhances access, communication, and resource tracking—all in one place.
- This is just the beginning—future features will make it even more powerful and inclusive.