

ONLINE LEARNING PORTAL

By:

Sobiya

Nantha Kumar

Introduction

- Welcome to **The Chall**! This portal aims to provide an engaging platform for learners to develop new skills through a variety of online courses and interactive challenges. Whether you are a beginner or an expert, The Chall offers a flexible learning experience to help you achieve your educational goals.

Features

- **Course Catalog:**
A wide variety of courses across categories such as Technology, Business, Creativity, and Personal Development.
- **Challenge Mode:**
Engage with challenges that let you apply what you've learned in real-world scenarios. Track your progress and compete on the leaderboard.
- **Interactive Course Content:**
Learn through videos, quizzes, assignments, and peer-reviewed projects.
- **Course Rating & Review System:**
Rate and review courses. See the overall ratings and read reviews from fellow learners. Tooltips provide detailed feedback about the course's ratings and distribution.
- **Certification:**
Earn certificates for completing courses and challenges, adding to your professional portfolio.
- **Community Support:**
Join forums, groups, and clubs to interact with other learners and instructors. Participate in live webinars and Q&A sessions.

Getting Started

To start using **The Chall**, follow these simple steps:

1.Sign Up:

1. Create a free account using your email or through social login options.

2.Browse Courses:

1. Explore the available courses across different categories. Choose one to start learning.

3.Complete Challenges:

1. Participate in challenges that align with your course topics to test your skills.

4.Join the Community:

1. Engage in community forums and discussions to enhance your learning.

Setup and Installation

- If you want to set up **The Chall** locally or contribute to its development, follow the steps below.
- **Prerequisites:**
- Node.js (v14.x or higher)
- npm (v6.x or higher)
- MongoDB (for database support)

Clone the Repository:

```
git clone https://github.com/username/the-chall.git  
cd the-chall
```

Install Dependencies:

```
npm install
```

Set Up Environment Variables:

```
DB_URI=mongodb://localhost:27017/the-chall
```

```
PORT=3000
```

```
JWT_SECRET=your_jwt_secret
```

Run the Application:

```
npm start
```

The application will be accessible on <http://localhost:3000>.

Technologies Used

- **Frontend:**

- React.js
- Redux (for state management)
- CSS3 / HTML5
- Bootstrap for responsive design

- **Backend:**

- Node.js
- Express.js
- MongoDB (for storing course data, user profiles, and reviews)

- **Authentication:**

- JWT (JSON Web Tokens) for secure authentication

- **Other Tools:**


- Cloud storage (e.g., AWS S3) for storing course content
- Socket.io for real-time interaction in challenge modes

Contributing

- We welcome contributions to **The Chall**! If you'd like to improve the project, feel free to fork the repository and submit a pull request. Please make sure to follow these guidelines:
- **Fork the Repository**
- **Create a Branch** for your feature or bug fix.
- **Commit Your Changes** with meaningful commit messages.
- **Open a Pull Request** describing your changes.
- **Bug Reports:**
- If you find a bug, please open an issue with details on how to reproduce the error.

Requirement Gathering

Login Page:



CRYSTAL DELTA


Login

Email

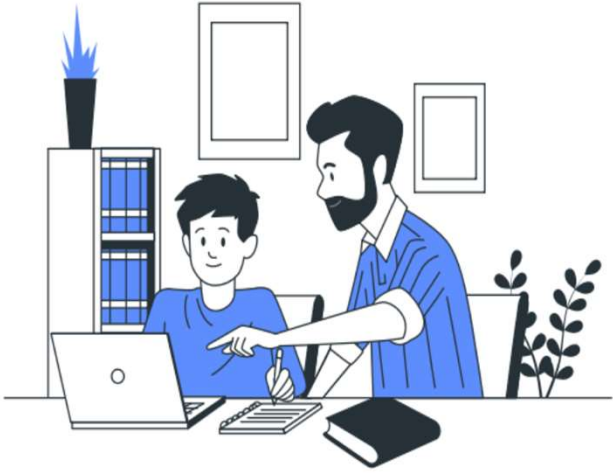
Password


Login

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



Register Page:




CRYSTAL DELTA

Please Fill out the form to Register

Username

Email


Password

Confirm Password

Register

Already have an account? [Login](#)

Website Page:



Dashboard

My Course

Schedule

Homework

Message

Group

Settings

Logout

Search

Data Science / Automatic Design System

Automation Effects

11 Lesson

3 Hours

My progress

14 Completed2 in-Progress8 not yet startSee all

Interaction - I

Lorem ipsum dolor sit amet
consectetur adipisicing elit. Iste,
amet.

Wadew Warren

B classes50 Mins

0.0

0

Interaction - II

Lorem ipsum dolor sit amet
consectetur adipisicing elit. Iste,
amet.

Wadew Warren

B2classes55 Mins

0.0

0

Interaction - II

Lorem ipsum dolor sit amet
consectetur adipisicing elit. Iste,
amet.

Wadew Warren

B3classes45 Mins

0.0

0

My Special Classes

Book Now

You don't have special Booking !

Book Now

We noticed that the "Special Booking"
feature is currently not being utilized

Schedule-upcoming

English Classes

Tika sarak s.pd

Physical classes

Tika sarak s.pd

Mathematic
classes

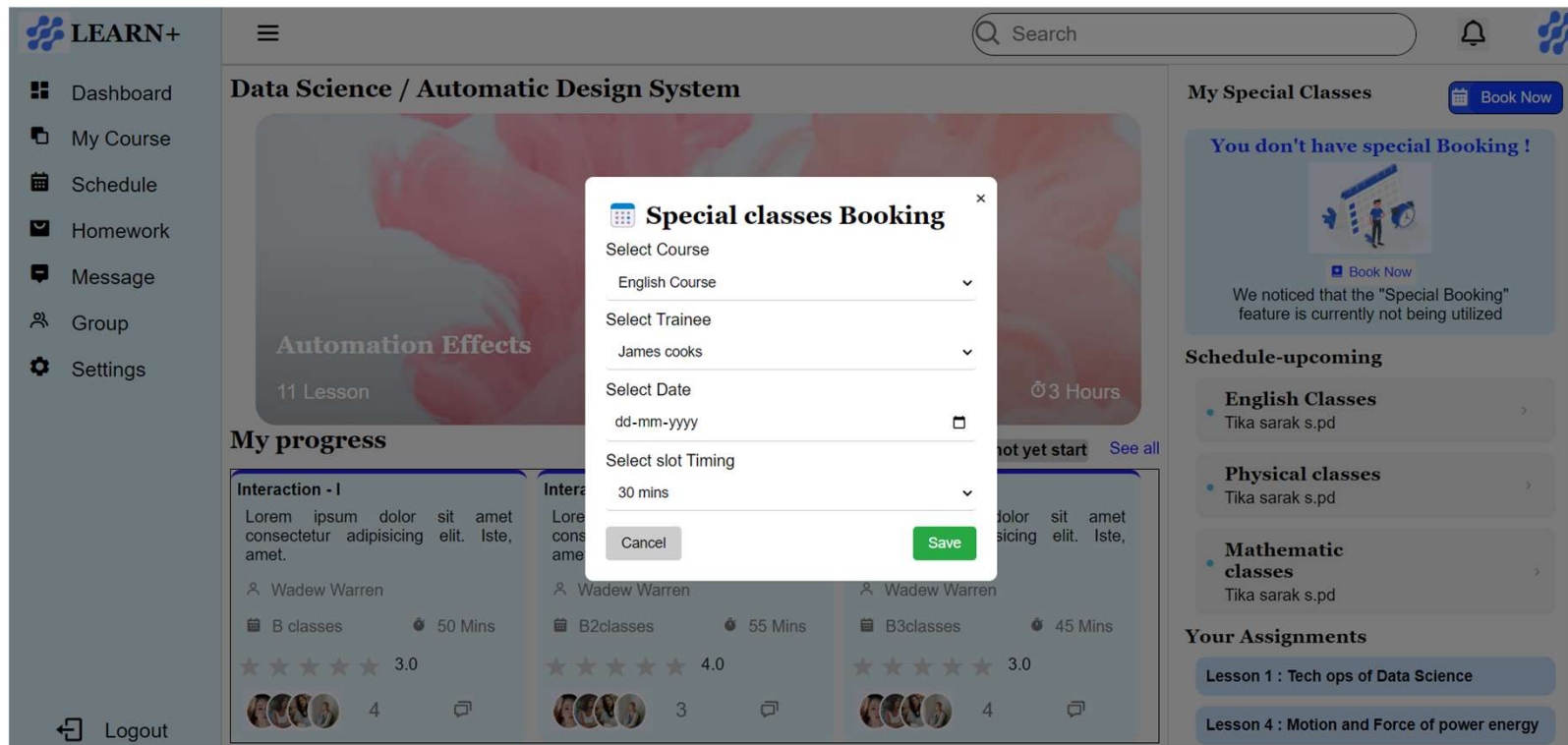
Tika sarak s.pd

Your Assignments

Lesson 1 : Tech ops of Data Science

Lesson 4 : Motion and Force of power energy

Challenges:



THANK YOU !