

Teacher's guide for MyREL Website system

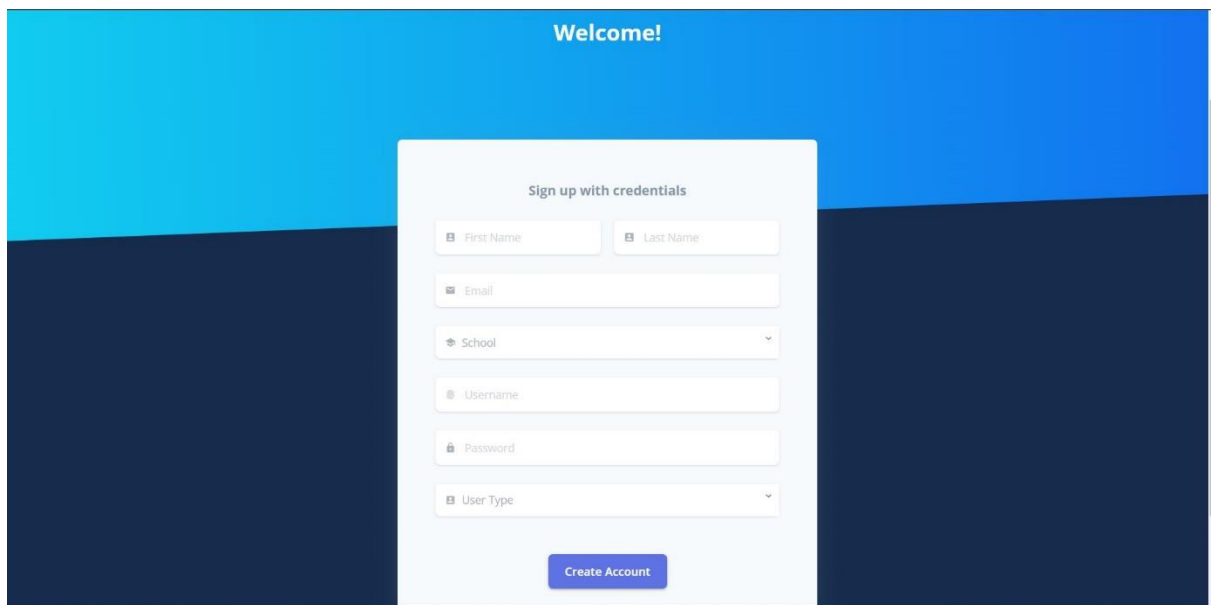
MyREL is an online web-application designed to allow teachers to educate students on the importance and basics of renewable energy concepts and their usage.

MyREL consists of three user types : Students, Teachers and Admin

This document will describe the functionalities for the teachers and how to use the website.

1. Signup/Register

Once the website link is opened through any internet browser. On the top right of the page a "Register" option is visible. Once clicked the registration page will open.

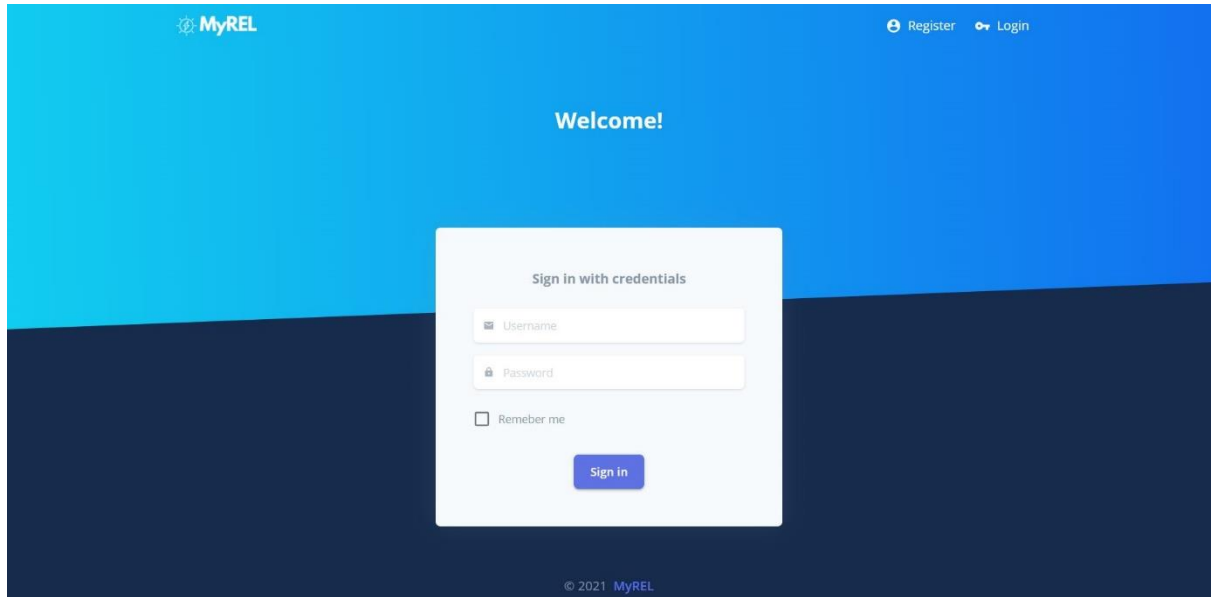
The image shows a registration form titled "Sign up with credentials" centered on a blue and dark blue background. The form includes input fields for "First Name", "Last Name", "Email", "Username", and "Password". There are also dropdown menus for "School" and "User Type". A "Create Account" button is located at the bottom of the form. The word "Welcome!" is displayed at the top of the page above the form.

The teacher's are advised to enter their credentials (Name, email) and select the school they are registered with from the drop down in the school section. Then they are advised to use an unique username and a password. Then in the user type there are two options "Students" and "Teacher" and they are advised to select the teacher option and click the create account button.

Once registered a notification display will be visible highlighting the success of the registration. But the teacher's still cant log in as their registration needs to be approved by the admin. Once the admin approves the request, the teachers are listed as an user of the system and can log in and access all the functionalities of the system.

2. Login

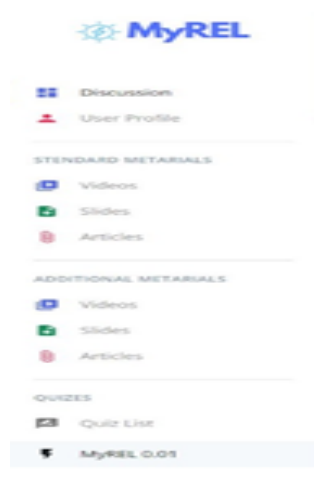
The teacher can enter their credentials in the login page (username and password) and click the “Sign in” button to log into the system.



3. Creating videos, slides and articles

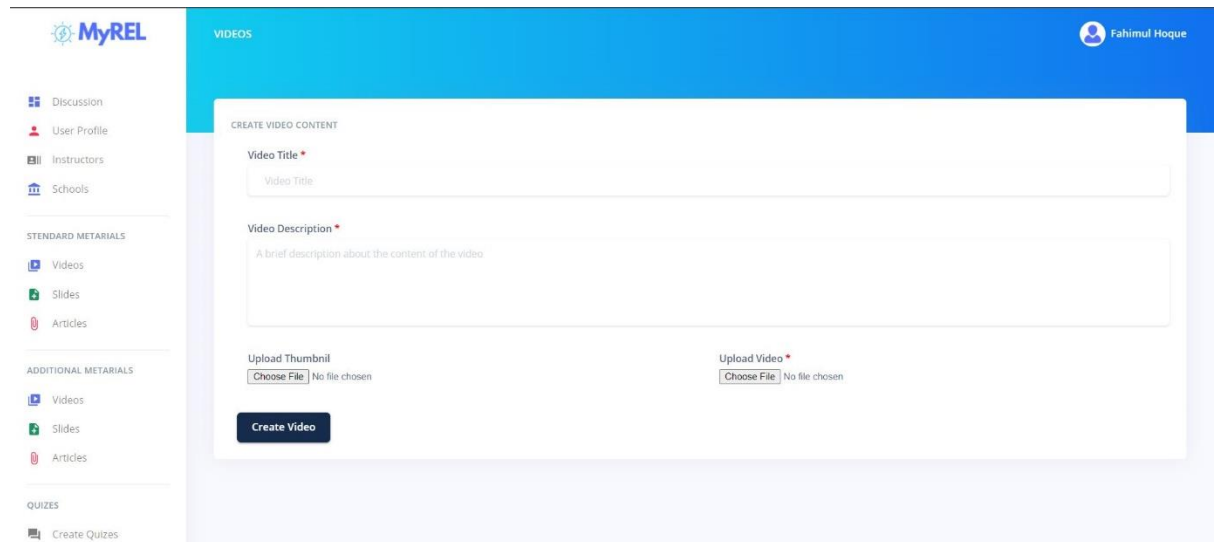
Once logged into the system the teachers can access the different functionalities from the left side menu. The teachers can change their password and username from the “User Profile” option.

The contents of the website are divided into two sections “Standard Materials” and “Additional Materials”. The standard materials are contents uploaded by the admin and are the same for all schools. Teachers are not able to delete or add any new contents in this section. Teachers are only allowed to upload videos, slides and articles in the “Additional Materials” section and the contents they upload there are only visible to students from their respective schools and not to all other schools.



To upload contents teachers, need to select the respective media they want to add from the “Additional Materials” section like video, articles or slides. Once clicked a new page will open

where teachers are advised to give a title, description of the content and selected the file from their computer to upload into the system. The same procedure is applicable for uploading all the three types of content.

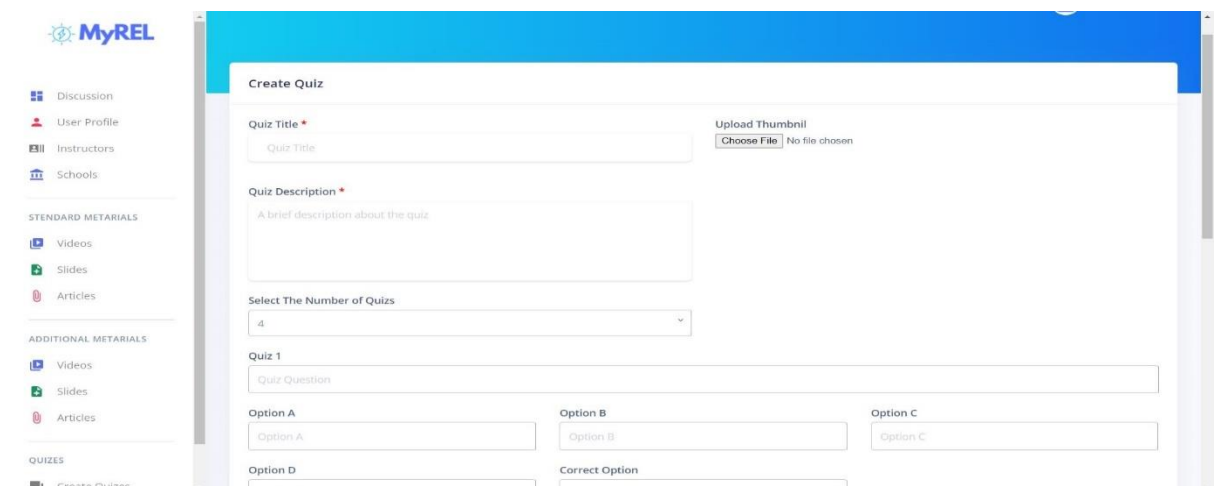


The screenshot shows the 'VIDEOS' section of the MyREL interface. On the left is a sidebar with navigation links: Discussion, User Profile, Instructors, Schools, STANDARD METATERIALS (Videos, Slides, Articles), ADDITIONAL METATERIALS (Videos, Slides, Articles), QUIZES, and Create Quizzes. The main content area is titled 'VIDEOS' and features a 'CREATE VIDEO CONTENT' form. The form includes fields for 'Video Title *', 'Video Description *' (with a placeholder 'A brief description about the content of the video'), 'Upload Thumbnail' (with a 'Choose File' button and 'No file chosen' text), and 'Upload Video *' (with a 'Choose File' button and 'No file chosen' text). A 'Create Video' button is at the bottom of the form. The top right of the page shows the user's name 'Fahimul Hoque'.

For videos only mp4 videos are allowed to be uploaded. For slides only ppt and pptx files and for articles doc and pdfs are allowed to be uploaded.

4. Creating quiz

To create quiz, teachers need to select the “Create Quizzes” option from the side menu and a new page will be opened. There teachers need to give a title and small description for the quiz and select the number of questions that will be present for that quiz. Once the number of questions are selected that number of “Question” field will be displayed with each question having four options. The teacher needs to write the question and the options for each question and mention which option is the correct answer. This needs to be done for the number of questions selected by the teacher and once all the fields are filled the teacher needs to select the “Create Quiz” button to make the quiz visible for all the students of his or her school.

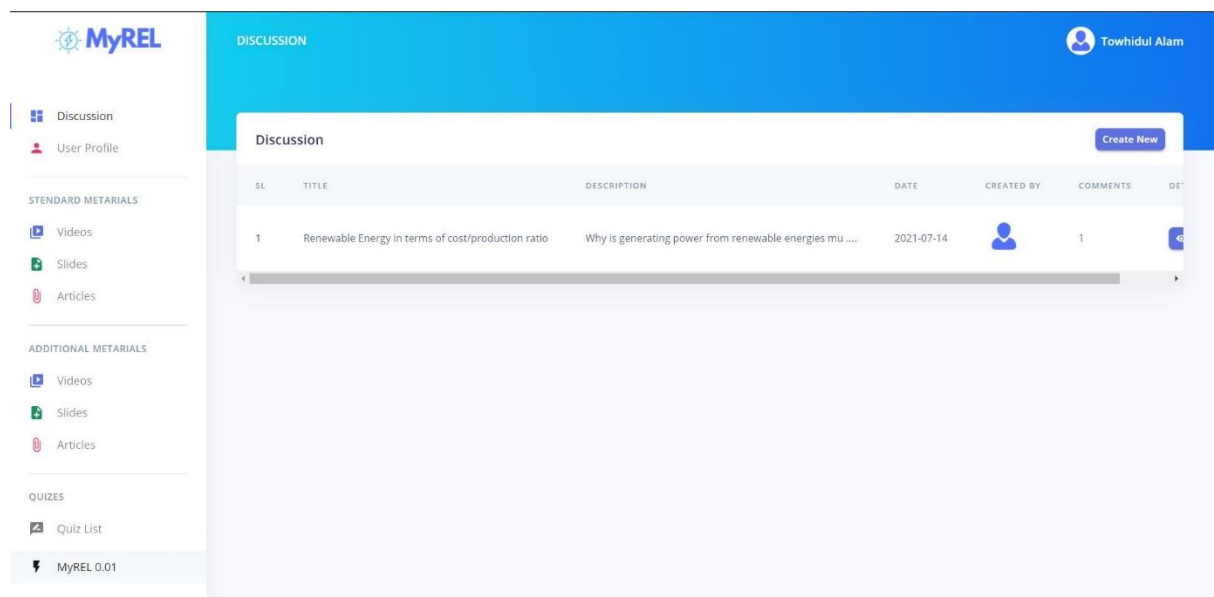


The screenshot shows the 'Create Quiz' form in the MyREL interface. The sidebar is identical to the previous screenshot. The main content area is titled 'Create Quiz' and includes fields for 'Quiz Title *', 'Quiz Description *' (with a placeholder 'A brief description about the quiz'), and 'Select The Number of Quizzes' (a dropdown menu currently showing '4'). Below this, there is a 'Quiz 1' section with a 'Quiz Question' field and four 'Option' fields (Option A, Option B, Option C, Option D). A 'Correct Option' dropdown menu is also present. An 'Upload Thumbnail' section with a 'Choose File' button and 'No file chosen' text is located at the top right of the form area. The bottom of the form has a 'Create Quiz' button.

Teachers can also check which students have completed their quiz and their score. If a student wants to redo the quiz they have to request the teacher and the teacher can allow particular student to redo their quiz.

5. Discussions

Discussions is a functionality present in the website that allows students and teacher of a particular school to communicate with each other by posting questions, opinions or concerns regarding the subject. Once the “Discussion” option is selected from the left side menu, a page will be displayed listing all the previous discussion topics posted by the students or other teachers from the same school. A teacher can choose to leave a comment on a particular discussion by clicking on that topic or can read what others have posted on that topic. Teachers can create a new discussion topic by selecting the “Create New” button on the top right and give the discussion a title and write in the description regarding the discussion. The person who is creating a new discussion topic has the option upload any documents that may be needed for that particular topic.



6. Activity

Teachers can access the “Activity” functionality by selecting it from the left side menu. Once accessed the teacher can upload an assignment question file, an activity document by proving a title, description and upload their document from their computer. Once uploaded the students of their school will be able to view the activity/assignment file and can upload their answers/report in the same place for teachers to mark them.

For any other enquiry teachers can email fahimul12339@gmail.com for further assistance or for any issues faced while using the system.