

TECH REPORT GENERATOR

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Problem Statement:

The aim of the project is to create a platform where students can submit their technical reports, get them reviewed and finally authorized reports will be published.

Design:

The whole functionality divided among

- Author
- Editor
- Reviewer

Brief description of the web pages in our project is given below:

- *home.php*: In this page, all the published tech reports will be displayed year wise. Login functionality has been provided.
- *login.php*: Author has to signup inorder to submit a tech report by providing his details along with the supervisor's emailid. He can login only when supervisor validates him.
- *forgotpswd.php*: User has to provide his date of birth as a verification check, therefore password will be sent to his registered nitc mail id.
- *admin.php*: Admin has a privilege to change editor and he can also change his own login credentials.
- *authorpage.php*: The Author can submit a new Tech report and also views his successful report submissions. He/she can also change login credentials.
- *editorpage.php*: On login, Editor gets list of newly submitted tech reports submitted by author as well as list of reviewed reports reviewed by reviewer. His main functionality is to assign a tech report submitted by author to a reviewer according to the specialization of reviewer. He also conveys the review status to author and publishes the tech report if it is accepted. Editor also has privilege to add or remove a reviewer.

- *reviewerpage.php*: List of technical reports assigned to a particular reviewer by editor will be displayed. Reviewer reviews the report by attaching comments if needed. He can add any specialization, if he gets one in future.

There will be a single editor for this system .

A Uniqueid will be generated for any accepted tech report which has information like his rollno, date and time of publishing etc. Editor adds a front-page to the report submitted which has author's details and copyright information.

Alert mails will be used as communication. When author submits a new tech-report, alert mail will be sent to editor notifying that a new report has been submitted. When an editor assigns a tech-report to reviewer, an alert mail will be sent to reviewer notifying him that a report has been submitted to review. Similarly, when reviewer has reviewed, his comments/decision will be notified through mails.

No transfer of reports through mails. The tech report can be traced at anytime using the status of the report

PHP Mailer package is used for mailing. SMTP is used for sending mails in the background. A standard mail(administrator mail) is used to send mails.

Status used in this system :

SP-Submitted for publishing(when author submits it to editor)

SR-Submitted for Reviewer(when editor submits it to reviewer)

A- Report has been accepted(when reviewer reviewed it as accepted)

M-Report has to be modified before it has to accepted(when reviewer reviewed it as 'has to be modified')

R- Report has been rejected by reviewer.(when reviewer reviewed it as rejected)

The access to a report by a particular user will be according to the privilege set for that.

Eg : privilege level-0 : only author can access

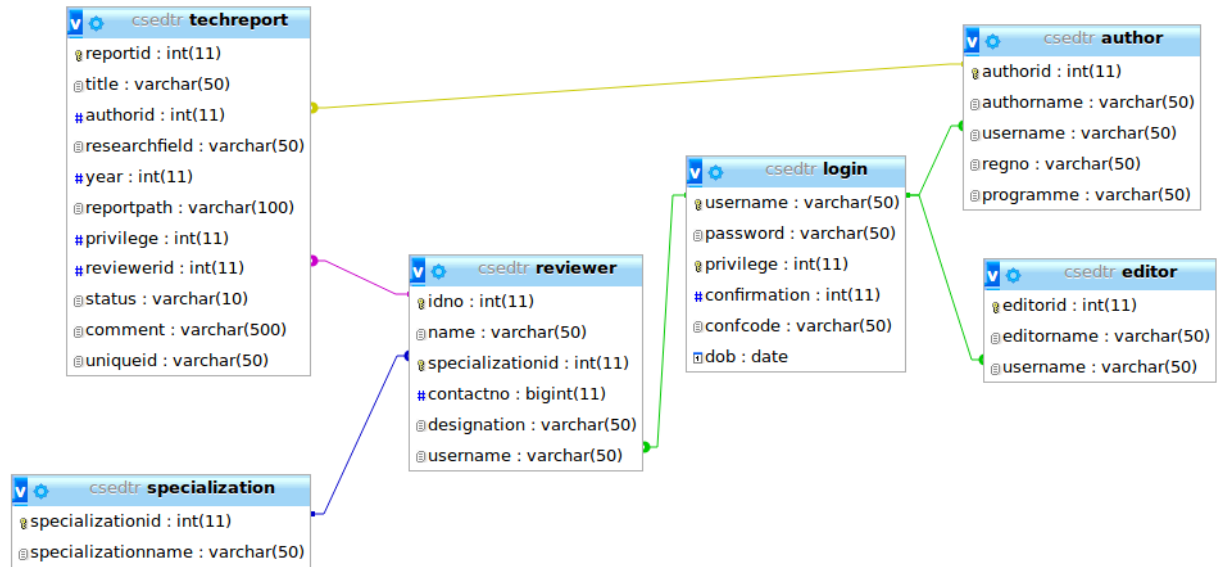
privilege level-1 : author and editor can access

privilege level-2 : author , editor and reviewer can access

Technologies Used:

HTML , PHP , MYSQL , Javascript , AJAX

ER Diagram of Database:



Conclusion:

As of now there is no such platform for students of CSED to publish their research work. We tried implementing all the required functionalities for the tech report generator system. There by allowing students to showcase their research works. Since the deployment of this project on a server needs several configurations and might face a few security threats the scope of this project can be further extended to work on security area.