CLAPP (Contribute Learn and Play Programming) Website

**PROJECT SYNOPSIS**

**OF CLAPP (Contribute Learn and Play Programming) Website**

**BACHELOR OF TECHNOLOGY**

COMPUTER SCIENCE AND ENGINEERING

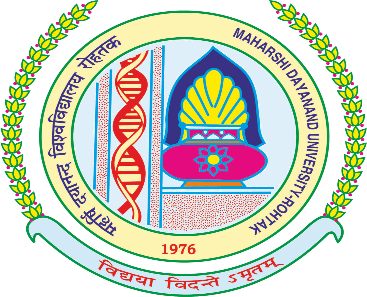
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MDU Symbol



## \_\_\_\_\_\_\_ College Of Engineering

**District\_name**

**Table of Content required**

## Title

Website for contribution, Learning, and Play Programming Quiz Also Read Write Blogs in programming Language

## Technologies Used:

**Fronted** HTML CSS

JavaScrpit & its libraries AJAX

JQuery Bootstrap

**Backend**

Python, Django & their libraries

**Database**

Postgres, Sqlite

**Version Control**

Github

# Overview:

This website is basically divide into four sections, like in website you can play quiz, Read Blogs, learn Programming by small snippets and last but not the least contribute your own experience, quiz questions, snippets and blogs for website also, After admin permission your contribution will be published in website and this will make user experience better in all aspects

# Goals/Objectives:

* Our main goal to provide user the best content and making programming easier, by playing different programming quiz, reading different technology based blogs and learn programming by snippets, copy those snippets while you coding
* Provide a search facility to provide content that user wants
* User can also write their blogs to share their programming tips and tricks, experience in IT industry and many more. After admin permission your blogs will publish publically, you can edit delete anytime also change visibility to private also
* User can contribute to quiz and snippet also for our website, if we like then will publish and rewards you some amazing gifts
* Increasing Productivity growth and Learning experience of user
* Anyone can contribute and learn

# Features

**Registration/Login/Logout** – New user can register themselves on website, existing user login for website to avail some facilities that not present to anonymous user.

Logged In user able to logout the website

**Forget Password** – While logging in website, if user forget their password can reset by providing email, then token will sent to their email to reset their password, it makes website secure

**Change Password** – User can change their password anytime after logged in the website by providing old password

**Profile** – User can view and update their profile after login into website

**Contribute** – user can share their own experience programming quiz, programming snippets and blogs in website after logged into website

**Quiz** – User can play different programming quiz after start quiz a timer will start and after submitting it, display score and answers if user logged in.

**View Score** – After logged in user can view their previous quiz score and performance

**Feedback (Quiz)** – After playing quiz, user can share feedback in website how they experience or any queries

**Leaderboard** – Top 50 score holders name visible in leaderboard section

**Read Blogs** – User can read any category blogs, search into blogs

**Write Blogs** – user perform crud operation in writing blogs and change blog visibility to set private and public, after admin permission your blogs will display publically.

**Author Profile** – user can view profile of author who written that blog if author profile is public and read all blogs of that particular author. And author can update profile

**Contact** – user can contact their queries to website, we will solve them asap

**Language** – Learn different language code and search the code

**FAQS** – Read frequent asked questions generally asked by users, if still not get, can contact to website

# Database Schema

**Users** – Details of registered user

**Language** – data of Different Language used in website

**Contact** – details of queries by user in contact page

**Quiz** – Quiz question answer

**Snippets** – different programming language snippets

**UserPost** – blog content of user

**userScore** – Data of quiz played by user and score generated

**userQues** – user contribution of quiz questions

**userSnippet** - - user contribution of different language snippets **Feedback** – quiz Feedback after played quiz will store there **Leaderboard** – score of all participants maintained

**Faqs** – Data of all faqs maintained

# Methodology/ Planning of work

The methodology for the project will be to do all the backend part first and then work on the designing of the website.

# Facilities required for proposed work

VS Code Python IDLE

# References

[**https://www.geeksforgeeks.org/**](https://www.geeksforgeeks.org/) **http**[**s://www**](http://www.djangoproject.com/start/)**.d**[**jangop**](http://www.djangoproject.com/start/)**r**[**oje**](http://www.djangoproject.com/start/)**c**[**t.com/start/**](http://www.djangoproject.com/start/)