

Teacher Record Management System

M.Anitha¹,B.Nikitha²

#1 Assistant & Head of Department of MCA, SRK Institute of Technology,Vijayawada.

#2 MCA In SRK Institute of Technology,Vijayawada Enikepadu.

ABSTRACT_The Teachers Record Management system is a web application developed using the Django framework(Python) and SQLite database.

We all know that teachers are important to our education, but what happens when they aren't easily available or accessible? There are many problems with finding teachers offline.

This teacher's record management would resolve these problems. Using this web portal, Parents or students can easily search teachers on the basis of subject and teacher name

1.INTRODUCTION

This project is aimed at developing a Web application that depicts online management of teachers and course records.

This project is useful for institutions for managing the teacher's information in simple manner. The system is intended for managing teacher's records.

1.1 PURPOSE OF THE PROJECT

The purpose of this system is:

To manage the teachers information in a simple way from anywhere.

This project also helps in administrative work such as keep information of teachers and subjects.

1.2 PROJECT SCOPE:

The project has a wide scope, as it is not intended to a particular organization. This project is going to develop generic software, which can be applied by any educational organization. More over it provides facility to its users. Also the software is going to provide a huge amount of summary data.

1.3 OBJECTIVE:

The main objective of the project is to provide the simple and user friendly GUI for managing the records in a simple way.

This project is useful for institutions for managing the teachers and subjects in simple manner.

The system is intended for managing teacher's records. And the privileges that are provided to admin are to read and manage records

2.PROPOSED SYSTEM

- The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach.
- User friendliness is provided in the application with various controls.
- The system makes the overall project management much easier and flexible.

- There is no risk of data mismanagement at any level while the project development is under process.

It provides high level of security with different level of authentication

2.1 IMPLEMENTATION

Admin Modules:

- **Dashboard:** In this section admin can briefly view total number of subjects and total number of teachers.
- **Subjects:** In this section, admin can manage the Subjects (add/update).
- **Teachers:** In this section, admin can add new teachers and manage the details of old teachers.
- **Search:** In this section, admin can search teachers by using teacher name.
- **Report:** In this section, admin can view number of teachers added in particular periods.
- **Profile:** In this section admin can update his/her profile.
- **Change Password:** In this section admin can change his/her own passwords
- **Logout:** Through this button admin can logout.

User Module:

The user module usually contains those things that the user can perform actions in the system.

3.RESULTS AND DISCUSSION

ADMIN DASHBOARD PAGE

- **User-Friendly Web Interface:** The system will provide a simple and intuitive web interface accessible to users (parents or students) for searching teachers based on subject names.
- **Teacher Search Functionality:** Users can search for teachers by entering specific subject names into the search bar on the web portal. The system will display relevant teacher profiles based on the subject entered by the user.

Advantages of “Online Teacher Record Management System”:

“Online Teacher Record Management System” provides various features, which complement the information system and increase the productivity of the system. These features make the system easily usable and convenient. Some of the important features included are listed as follows:

Intelligent User Forms Design

Data access and manipulation through same forms

Access to most required information

Data Security

Restrictive data access, as per login assigned only.

Organized and structured storage of facts.

Strategic Planning made easy.

No decay of old Records.

Exact financial position of the Business.



TRMS Admin Dashboard

127.0.0.1:8000/admin_home

TRMS ADMIN |

- Dashboard
- Subjects
- Teacher
- Search
- Reports

Dashboard

9 Total Subjects

2 Total Teachers

ADD SUBJECT PAGE

TRMS Add Teachers

127.0.0.1:8000/add_subject

TRMS ADMIN |

- Dashboard
- Subjects
- Teacher
- Search
- Reports

Subjects Details

Dashboard / Subjects Details / Add

Subjects Details

Subject Name

JAVA

Add



MANAGE SUBJECT PAGE

TRMS ADMIN | Manage Subject

Dashboard / Manage Subject / Manage Subject

S.NO	Subject Name	Creation Date	Action
1	Mathematics	Nov. 20, 2020, 3:12 p.m.	Edit Details
2	Operating System (OS)	Nov. 20, 2020, 3:16 p.m.	Edit Details
3	TOC	Nov. 20, 2020, 3:17 p.m.	Edit Details
4	CSO	Nov. 20, 2020, 3:17 p.m.	Edit Details
5	Data Structure	Nov. 20, 2020, 3:17 p.m.	Edit Details
6	Algorithm Design	Nov. 20, 2020, 3:17 p.m.	Edit Details
7	Digital Electronics	Nov. 20, 2020, 3:18 p.m.	Edit Details
8	DBMS	Nov. 20, 2020, 3:19 p.m.	Edit Details
9	python	March 3, 2024, 5:01 p.m.	Edit Details
10	JAVA	March 3, 2024, 5:10 p.m.	Edit Details

ADD TEACHER DETAIL PAGE

TRMS ADMIN | Add Teachers

Dashboard / Teacher Details / Add

Teacher Details

Teacher Name

Teacher Pic No file chosen

Teacher Email ID

Teacher Qualifications(Sepereted by comma)

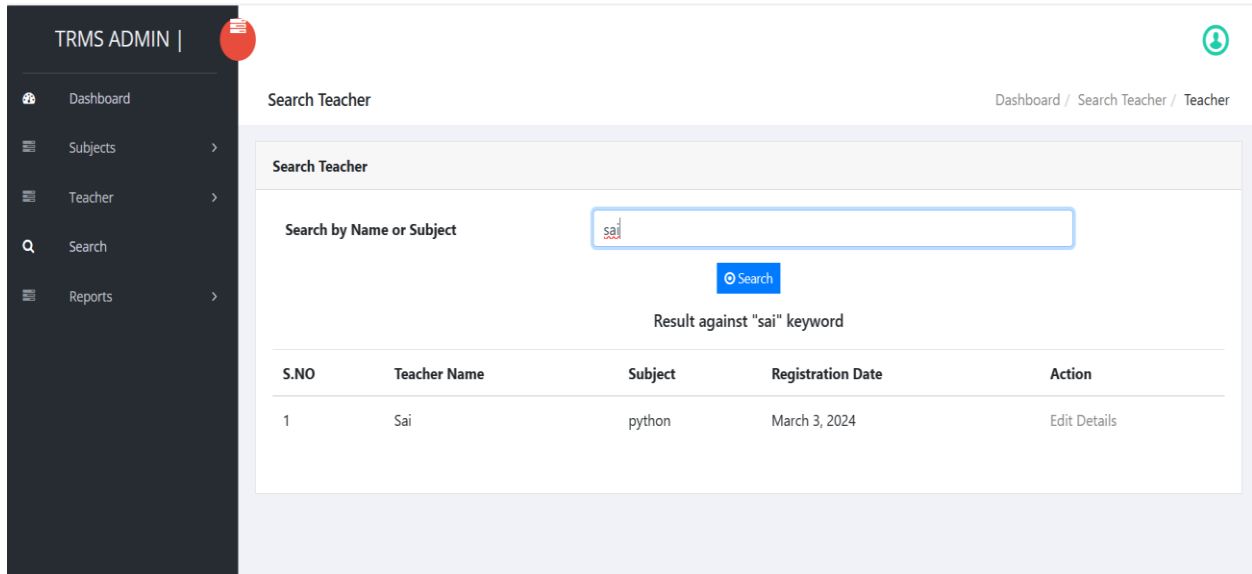
Teacher Mobile Number

Teacher Subjects

Teacher Address

Joining Date

SEARCH TEACHER RECORD PAGE



TRMS ADMIN | ●

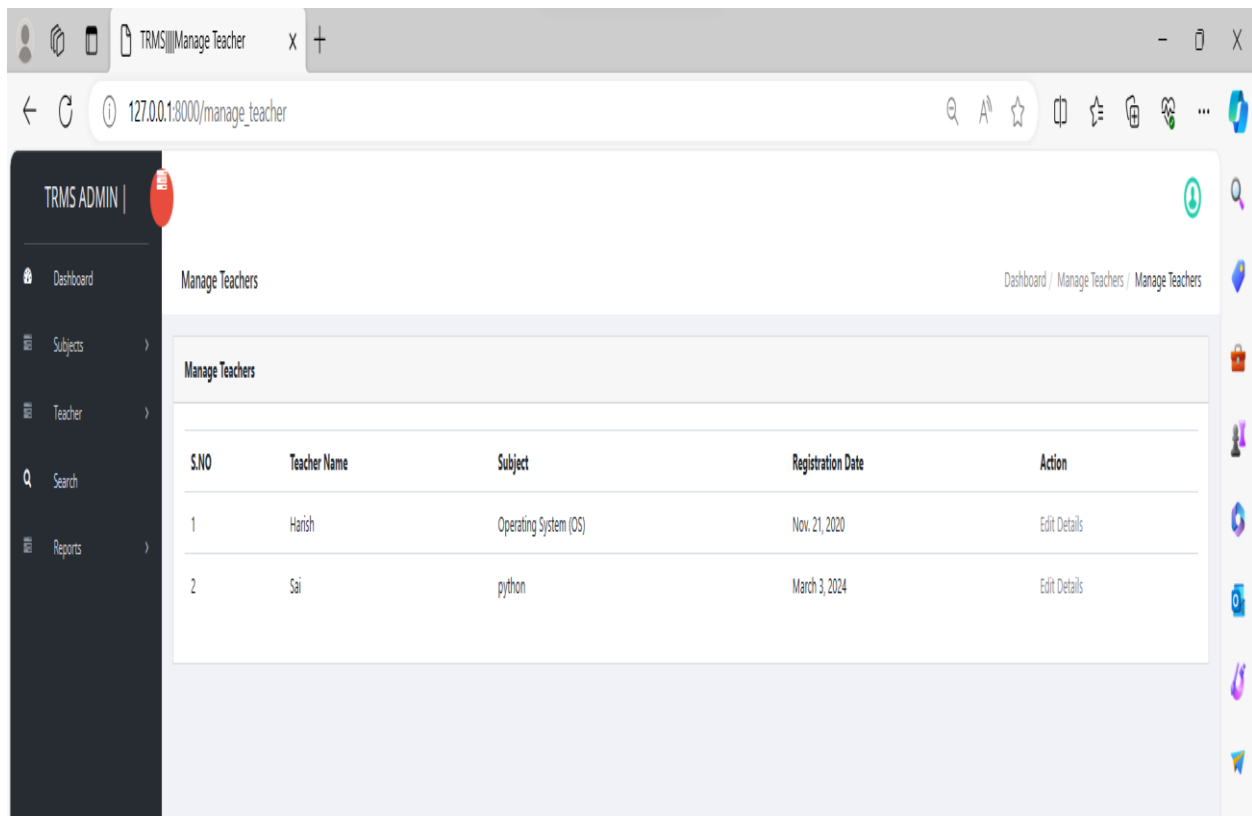
Search Teacher Dashboard / Search Teacher / Teacher

Search by Name or Subject Search

Result against "sai" keyword

S.NO	Teacher Name	Subject	Registration Date	Action
1	Sai	python	March 3, 2024	Edit Details

MANAGE TEACHER RECORDS PAGE



TRMS ADMIN | ●

Manage Teachers Dashboard / Manage Teachers / Manage Teachers

S.NO	Teacher Name	Subject	Registration Date	Action
1	Harish	Operating System (OS)	Nov. 21, 2020	Edit Details
2	Sai	python	March 3, 2024	Edit Details

4.CONCLUSION

The project entitled “Online Teacher Record Management System” is developed using HTML, CSS and Bootstrap as front end and Python with Sqlite database in back end to computerize the process of managing teacher’s records in a simple way. This project covers only the basic features required

REFERENCES

Mainly references don’t need for this proposal because we make this from our own logical thinking/concept. But our Teacher/Instructor gives some directions to do this successful project proposal. Also take helps from

References

- <https://www.geeksforgeeks.org/python-django/>
- <https://www.javatpoint.com>
- <https://www.python.org/>
- <https://www.tutorialspoint/>

➤ REFERENCE BOOKS

- Two scoops of Django for 1.11 by *Daniel Greenfeld’s and Audrey Greenfield*

- *Lightweight Django by Elman and Mark Lavin*

AUTHOR’S PROFILE



M.Anitha Working as Assistant & Head of Department of MCA ,in SRK Institute of technology in Vijayawada. She done with B .tech, MCA ,M. Tech in Computer Science .She has 14 years of Teaching experience in SRK Institute of technology.



B.Nikitha From MCA In SRK Institute of Technology, Vijayawada Enikepadu.