

A Mini Project Synopsis on
APSIT Offline Admission Management System

S.E. - I.T Engineering

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UNIVERSITY OF MUMBAI

Academic year : 2021-22

CERTIFICATE

This to certify that the Mini Project report on **Student Admission Management System** has been submitted by Chirag Padayl (20104034), Anuj kundar (20104047), Jaykumar Nayi (20104005) and Vishal Bangar (20104084) who are a Bonafede students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfillment of the requirement for the degree in **Information Technology**, during the academic year **2021-2022** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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Place:A.P.Shah Institute of Technology, Thane

Date:

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Chapter 1

Introduction

Offline Admission System is aimed at developing an admission application for a college. This system is an Offline system that can be accessed throughout the organization. System can be accessed only by Root Administrator. Cut-Off List is generated by Root Administrator . It is the job of the administrator to admit and monitor the whole process. The system has only one module. That is:

- Root Administrator

Student's must visit college to apply for the course by filling an application form provided by college. It provides proper certificate verification.

1.1 Purpose:

1. To reduce the manual work done by staff members
2. To maintaining accuracy of admissions by automating the process.
3. To increase the efficiency of admissions and save time.
4. This admission system is highly reliable and efficient and eliminates chances of any errors.
5. Admission system of application portal makes the admission process easy

6. A Student admission system provides a consolidated view of the applicants interaction history, since their first interaction
7. An efficient Student Management System makes the enrollment process easier for the students and counselors
8. Transfer the data smoothly to all the departments involve and handle the data centralized way
9. Admission Management System is a digital solution to manage students enrollments in college.

1.2 Objectives:

The main objective of this system is to reduce consumption of time during maintaining records of college admission process. Separate tables are provided to maintain record of student and fee details. In other word our college admission process has following objectives:

- To make User interfaces that are user friendly and attractive.
- To computerize the admission management system structure.
- To receive mail on admission and on selection.
- To automate the cutoff list process.
- To Save Students and College management members Time.

1.3 Scope

Our project aims at Admission process automation,

- Manpower Saving - Institutes don't need to allot additional manpower to manage heavy crowd.
- Do not require printing & storing forms.
- Does not require to collect forms of all the candidates and file them.
- It is Rapid & Flexible.
- Generates Real time Reports for analysis.

Chapter 2:

Problem Definition

The old manual system was suffering from a series of drawbacks. Since whole of the system was to be maintained with hands the process of keeping, maintaining, and retrieving the information was very tedious and lengthy, whereas in our software there will be e-copy of all files and no need to maintain record in form of hard-copy as file will be stored in pdf formats, also a folder will be maintain for each student where their document will be stored for ease of access, there is also auto admission list generation to get all the best students from a particular branch and also a mailing service to inform them on their selection.

The reason behind it is that there is lot of information to be maintained and must incur huge costs in maintaining academic records and have trouble in tracking bills and financial information. And Staff workload is heavy, and resources are not optimized well to find the best students. Totally all works at the time of the admission of the students is done manually by ink and paper which is very slow and time consuming .

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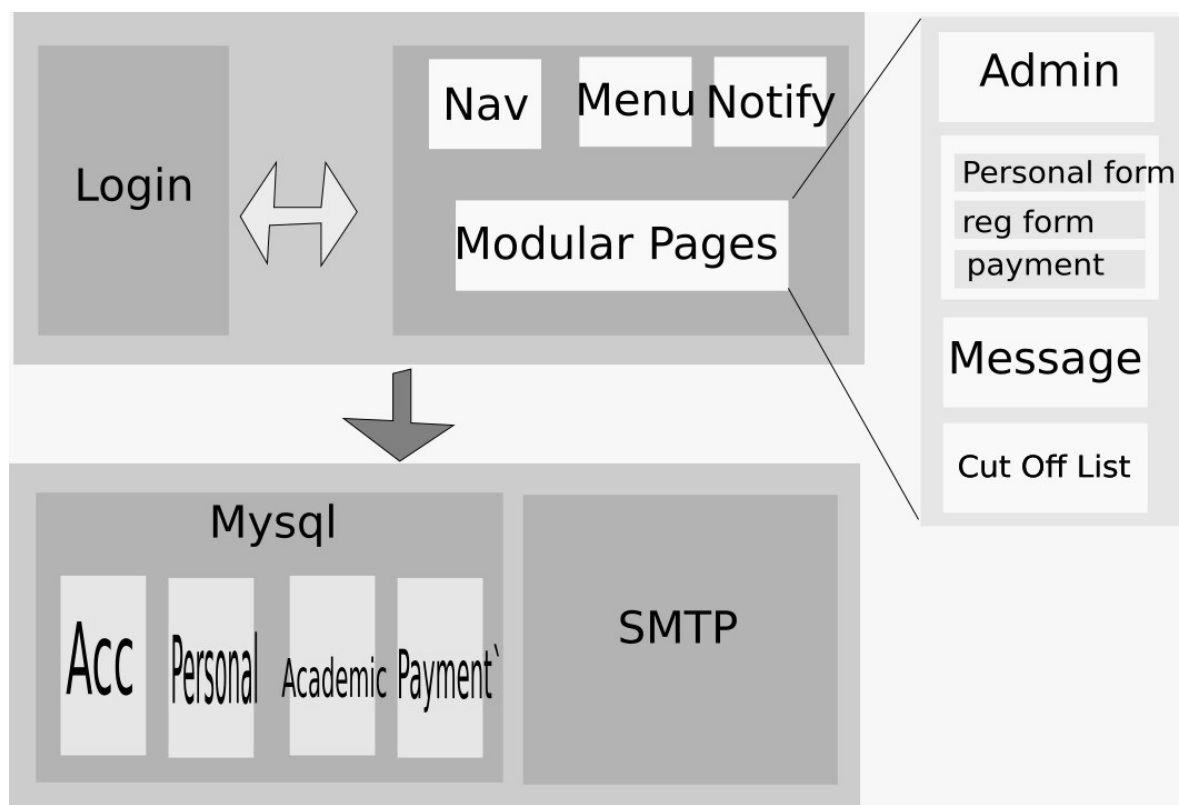
The work at the time of admission of the applicant is done manually by ink and paper, which is very slow and consuming many efforts and time. It is required to design of a computerized automated student admission system. To increased number of student admission has led to inefficient organization and management of student's records. the collectively processing of examination results has been tedious. Due to disorganization of the records, the timeliness of delivering examination results has been poor.

Chapter 3

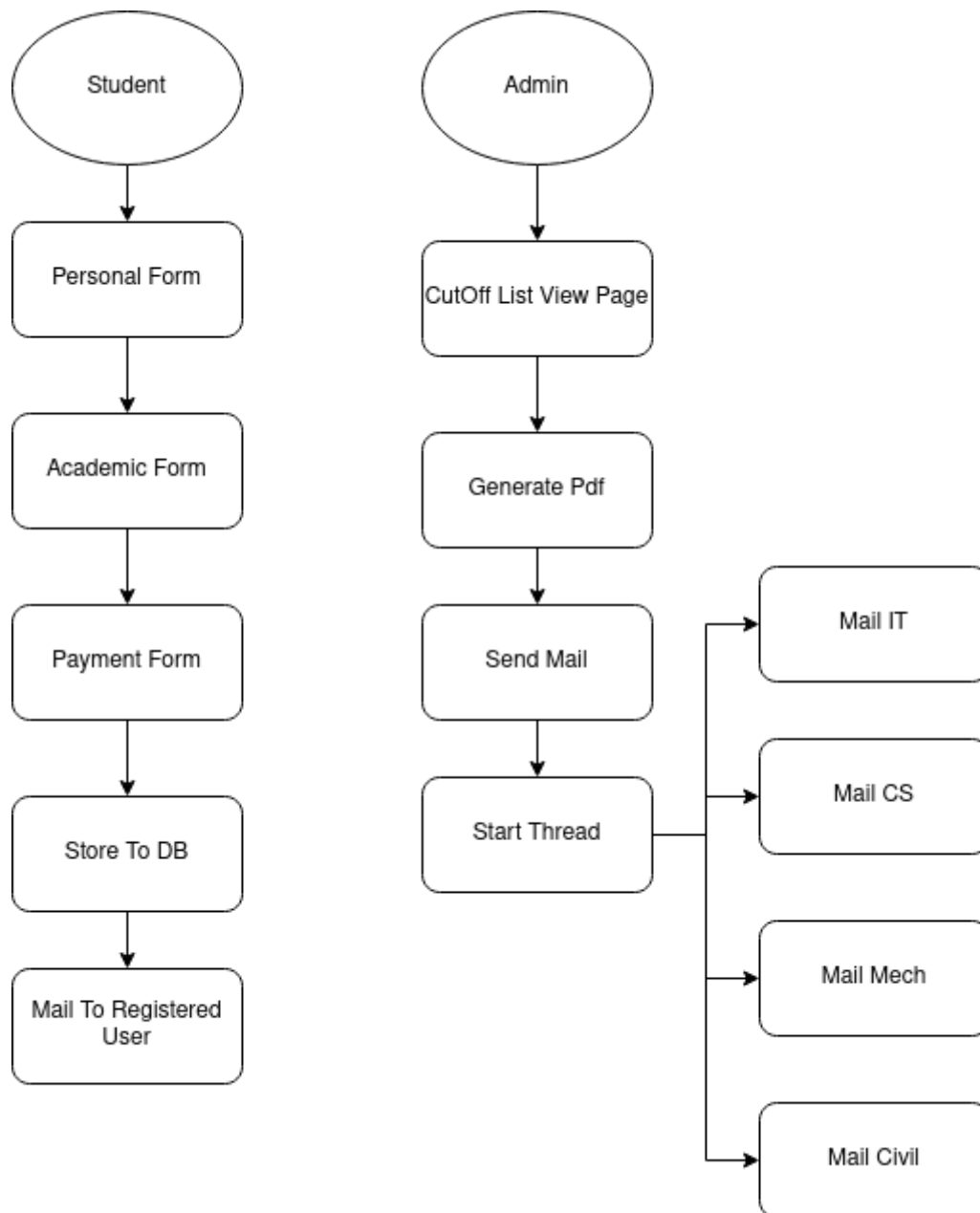
3. Proposed System:

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system.

- An offline admission system lets the student apply for a course offline, faster and receive instant confirmation through mail on selection and after admission done.
- On the other hand, it allows the institutions to track the applicants, follow-up with them, check eligibility, and accept/reject the application



3.1 Block Diagram



3.2 Flow Chart

3.3 Features and Functionality:

- As a student, you can register & apply for offline admission by filling an admission Form.
- Student can apply for any course.
- Students Details Like personal details, Login details, mark-sheet details and other details can be stored securely in a centralized system.
- Admin Can Upload Document and Picture Easily and Securely
- Admin can see Tabular Form of Registered Student Data with different type of Sort for easy accessibility.
- Simple and Easy User Interface.

Chapter 4

Project Outcome:

- User can Register and Login
- Administrator has easy access to all student data.
- Student can more conveniently take admission or cancel admission for any branch.
- Automatic student get qualified based on his/her marks and so, reduces extra workload.
- Students have to upload the profile picture for the college ID-Card
- Can access to the notice board of college for regular updates.
- Email will be sent for the confirmation of the admission.
- Cut-off list will be generated on the basis of merit list.
- Students can enroll in multiple departments.
- Students can track application status.

Chapter 5

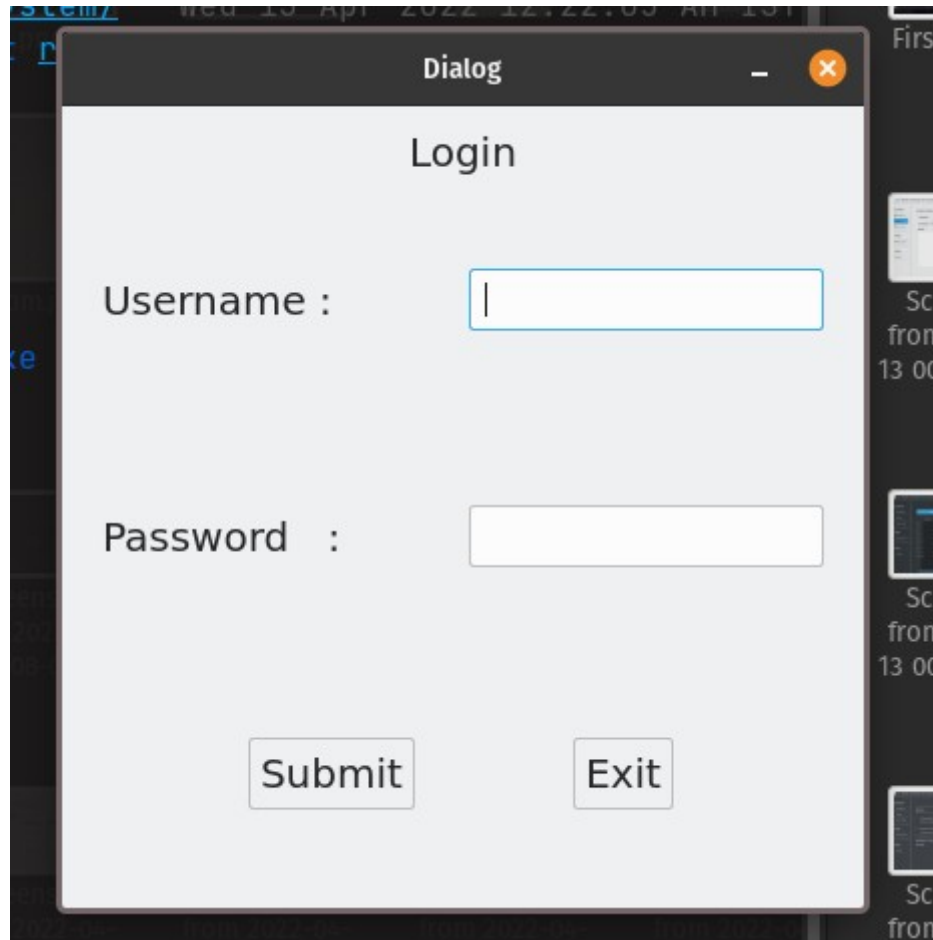
Software Requirements:

- Language: - Python 3.9.7
- Framework: - PyQt5.
- Data Base: - MySQL.
- Docker

Chapter 6

Project Design

To login into admission portal



The image shows a screenshot of a Windows-style dialog box. The dialog box has a title bar with the text "Dialog" and standard window controls (minimize, maximize, close). Inside the dialog box, the word "Login" is centered at the top. Below it, there are two input fields. The first is labeled "Username :" and the second is labeled "Password :". Both fields are empty. At the bottom of the dialog box, there are two buttons: "Submit" and "Exit".

6.1 Login Page

Dashboard of logged user, where user can navigate to other section of app

The dashboard is titled 'A P Shah Institute Of Technology' and includes a 'Theme: Light' selector. On the left, there are navigation links for 'System:' (Dashboard, Notices, Admin Panel), 'Help:' (Help Center 1), and 'User:' (Logout). The main content area displays the user's profile: Hari Joe, Staff ID: 101, Today: 3, and This Year: 30. Below this is the 'Admission Portal' section with a dropdown menu (IT, CS, CIVIL, Mechanics, AI) and three buttons: 'CutOff List', 'Fill Admission', and 'Look For Admission'. A 'Statistics' table shows: Run Time: 0:01:38, Portal Active: True, Date: 00:07:52, Time: 13/04/22, Branch: IT, Total Admissions: 000, and Seats: 000. On the right, a 'News Feed' lists several items with titles and bodies.

Run Time:	0:01:38	Branch:	IT
Portal Active:	True	Total Admissions:	000
Date:	00:07:52	Seats:	000
Time:	13/04/22		

6.2 Dashboard Page

User can publish notification for other user to see

The 'Publish Notice' form is located in the main content area. It includes fields for 'Header:' (Title), 'Priority:' (Important), and 'Body:'. A 'Publish' button is at the bottom. The left sidebar and right 'News Feed' are identical to the dashboard page.

6.3 Notification Page

All details of student who have taken admission

The screenshot shows the Admin Page of the A P Shah Institute Of Technology. The page has a dark header with the logo and name of the institute, and a theme selector set to 'Light'. On the left, there is a sidebar with 'System:' links (DashBoard, Notices, Admin Panel), 'Help:' (Help Center 1), and 'User:' (Logout). The main content area is titled 'Final List' and contains a table of students. Above the table are buttons for 'Print' and 'Mail', and a dropdown menu currently showing 'Civil Engineering'. The table has columns for Rank, First Name, Middle Name, Last Name, DOB, Gender, Branch, and a partially visible 'ranch C'. The table lists 10 students. On the right, there is a 'News Feed !' section with a list of news items, each with a title and body text.

	Rank.	First Name	Middle Name	Last Name	DOB	Gender	Branch	ranch C
1	1	Orlando	Lorin	Treen	9/13/2021	Male	Civil ...	Mechan
2	2	Krystle	Brandtr	Rubel	3/18/2022	Female	Civil ...	Comput
3	3	Tye	Balduin	Laidlow	7/19/2021	Male	Civil ...	Informa
4	4	Shepperd	Cole	Dunk	2/23/2022	Male	Civil ...	Civil ...
5	5	Francisco	Griffie	Cribbins	5/23/2021	Male	Civil ...	Civil ...
6	6	Ciro	Ricoriki	Broader	8/22/2021	Male	Civil ...	Mechan
7	7	Maurie	Major	Hammarberg	12/30/2021	Male	Civil ...	Mechan
8	8	Susy	Ewan	Byrnes	4/17/2021	Female	Civil ...	Informa
9	9	Jeremy	Benoit	Clyma	3/4/2022	Male	Civil ...	Civil ...
10	10	Far	Germaine	Guillotin	10/8/2021	Male	Civil ...	Civil ...

6.4 Admin Page

Contact Details of help desk in case of emergency

The screenshot shows the Help Page of the A P Shah Institute Of Technology. The layout is similar to the Admin Page, with a sidebar on the left and a main content area. The sidebar has 'System:' links (DashBoard, Notices, Admin Panel), 'Help:' (Help Center 1), and 'User:' (Logout). The main content area is titled '! Help Center !' and displays contact information for the HOD, Head, Tech Department, and IT Department. On the right, there is a 'News Feed !' section with a list of news items.

! Help Center !

HOD : +91 9999999999

Head: +91 5555555555

Tech Department : +91 8888888888

IT Department: +91 4444444444

6.5 Help Page

Page to see cut off list of current student and also to generate cutoff PDF and mail selected students

Final List

Print Mail Civil Engineering >

	Rank.	First Name	Middle Name	Last Name	DOB	Gender	Branch	ranch C
1	1	Orlando	Lorin	Treen	9/13/2021	Male	Civil ...	Mechan
2	2	Krystle	Brandtr	Rubel	3/18/2022	Female	Civil ...	Comput
3	3	Tye	Balduin	Laidlow	7/19/2021	Male	Civil ...	Informa
4	4	Shepperd	Cole	Dunk	2/23/2022	Male	Civil ...	Civil ...
5	5	Francisco	Griffie	Cribbins	5/23/2021	Male	Civil ...	Civil ...
6	6	Ciro	Ricoriki	Broader	8/22/2021	Male	Civil ...	Mechan
7	7	Maurie	Major	Hammarberg	12/30/2021	Male	Civil ...	Mechan
8	8	Susy	Ewan	Byrnes	4/17/2021	Female	Civil ...	Informa
9	9	Jeremy	Benoit	Clyma	3/4/2022	Male	Civil ...	Civil ...
10	10	Far	Germayne	Guillotin	10/8/2021	Male	Civil ...	Civil ...

! News Feed !

Title: awdda
Body: dawd

Title: dasds
Body: dsxdc

Title: dasds
Body: dsxdc

Title: dasds
Body: dsxdc

Title: check
Body: check

Title: check
Body: check

Title: dawd
Body: awdw

Title: dawd
Body: awdw

Title: dawd
Body: awdw

Title: joker
Body: 123

Title: joker
Body: 123

6.6 Cut Off List Page

Admission Form 1 to take admission, about student personal details

Personal Information Form

Profile Picture:

Users Details:

Browse Image Browse

First name Middle name Last name

Select Date Of Birth 1/1/00

Select ID Proof From Drop Down none >

Gender: ☒ Male ☐ Female

Residential Details:

Address

Appartment, Area etc (optional)

! News Feed !

Title: awdda
Body: dawd

Title: dasds
Body: dsxdc

Title: dasds
Body: dsxdc

Title: dasds
Body: dsxdc

Title: check
Body: check

Title: check
Body: check

Title: dawd
Body: awdw

Title: dawd
Body: awdw

Title: dawd
Body: awdw

Title: joker
Body: 123

Title: joker
Body: 123

6.7 Personal Information Page

Admission Form 2 to take admission, about student academic details

MainWindow

A P Shah Institute Of Technology

Theme: Light

System:

- Dashboard
- Notices
- Admin Panel

Help:

- Help Center 1

User:

- Logout

Registration Form

Branch: IT

Preferred-Branch (Optional): ----

Exams	Percentage	Date of passing
SSC Percentage	-/100	1/1/00
HSC Percentage	-/100	1/1/00
MHT-CET Percentile	-/10	1/1/00
JEE Percentile	-/10	1/1/00

SSC Marksheet: No file Selected [Select File]

HSC Marksheet: No file Selected [Select File]

MHT-CET Marksheet: No file Selected [Select File]

! News Feed !

- Title: awdda, Body: dawd
- Title: dasds, Body: dsxdc
- Title: dasds, Body: dsxdc
- Title: dasds, Body: dsxdc
- Title: check, Body: check
- Title: check, Body: check
- Title: dawd, Body: awdw
- Title: dawd, Body: awdw
- Title: dawd, Body: awdw
- Title: joker, Body: 123
- Title: joker, Body: 123

6.8 Registration Page

Dark Theme for Dashboard

MainWindow

A P Shah Institute Of Technology

Theme: Dark

System:

- Dashboard
- Notices
- Admin Panel

Help:

- Help Center 1

User:

- Logout

Name: Hari Joe

Staff ID: 101

Today: 3 This Year: 30

Admission Portal

IT [Cutoff List]

CS [Fill Admission]

CIVIL [Look For Admission]

Mechanics

AI

Statistics:

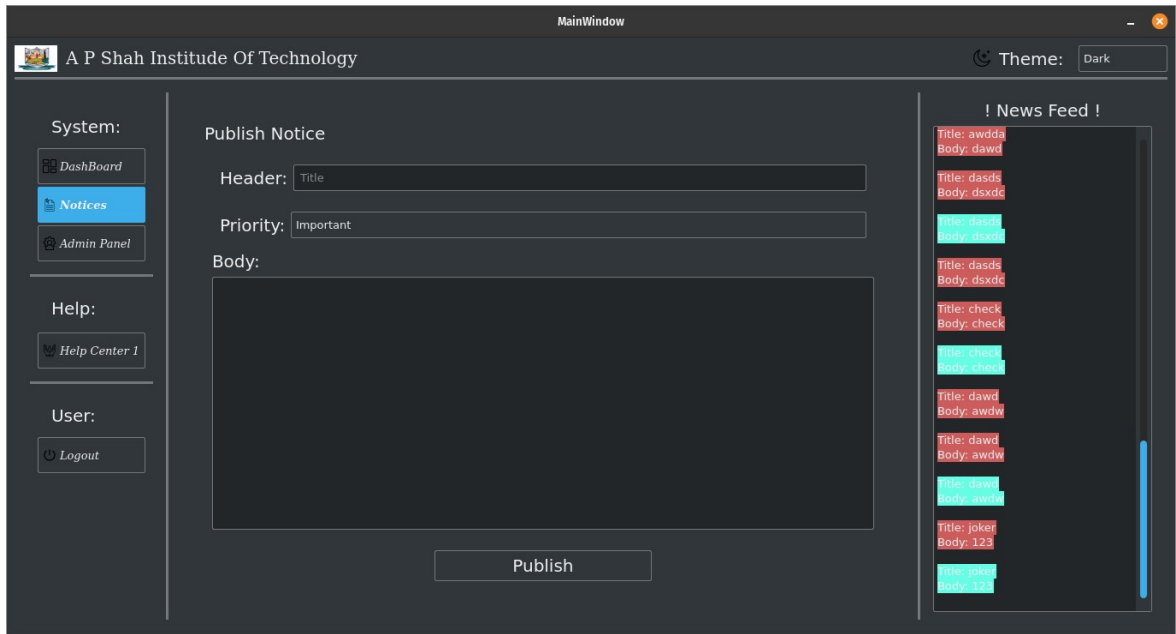
Run Time:	0:01:55	Branch:	IT
Portal Active:	True	Total Admissions:	000
Date:	00:08:09	Seats:	000
Time:	13/04/22		

! News Feed !

- Title: awdda, Body: dawd
- Title: dasds, Body: dsxdc
- Title: dasds, Body: dsxdc
- Title: dasds, Body: dsxdc
- Title: check, Body: check
- Title: check, Body: check
- Title: dawd, Body: awdw
- Title: dawd, Body: awdw
- Title: dawd, Body: awdw
- Title: joker, Body: 123
- Title: joker, Body: 123

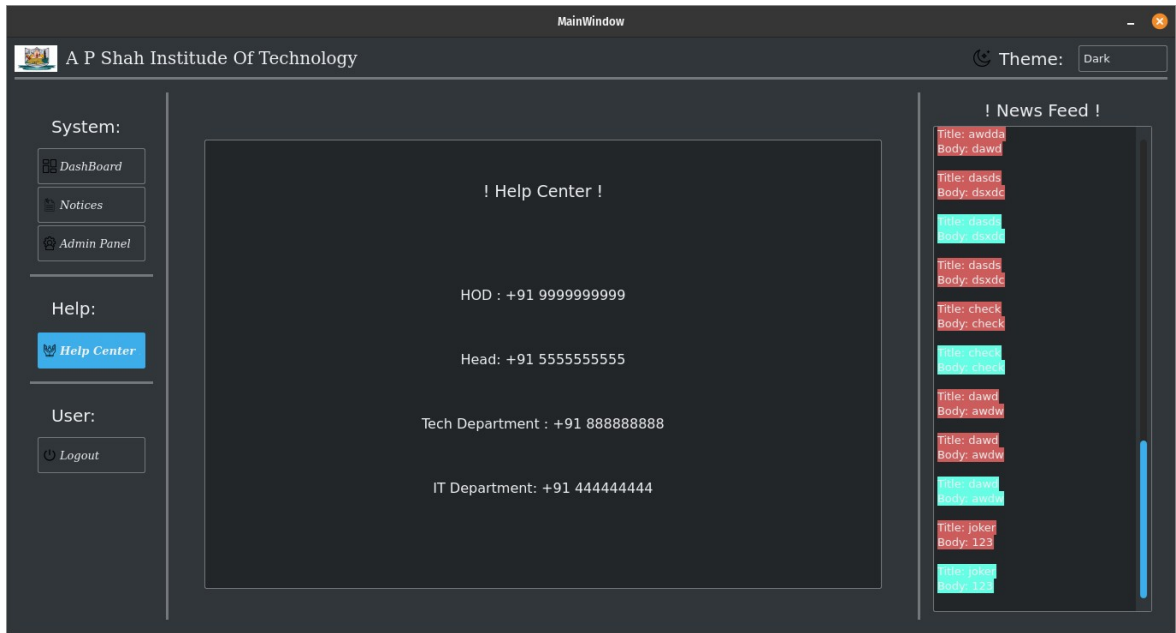
6.9 Dashboard Page

Dark Theme for Notification Page



6.10 Notification Page

Dark Theme for Help Page



6.11 Help Page

Dark Theme for Admin Page

Admin Panel

Search By Name.... All Refresh

	Rank.	Profile	First Name	Middle Name	Last Name	DOB	Gender	B
1	1		Perl	Salvatore	Gumby	3/18/2022	Female	Mech
2	2	http://...	Vinnie	Miller	Johananov	1/12/2022	Female	Mech
3	3	http://...	Skipper	Bern	Grut	12/6/2021	Male	Comp
4	4	http://...	Peyton	Billie	Sullens	6/15/2021	Male	Mech
5	5	http://...	Kip	Che	Rapps	11/14/2021	Male	Mech
6	6	http://...	Orlando	Lorin	Treen	9/13/2021	Male	Civil
7	7	/home/...	awdawd	awdawda	wdawd	01 January, ...	male	IT
8	8	http://...	Bay	Ode	Moroney	5/23/2021	Male	Infor
9	9	http://...	Barthel	Felizio	Howton	5/1/2021	Male	Mech
10	10	http://...	Lauri	Hagan	Gouldbourn	10/25/2021	Female	Mech
11	11	http://...	Gypsy	Weylin	Simmell	10/31/2021	Female	Infor
12	12	http://...	Guenna	Byrann	Eisak	2/15/2022	Female	Mech
13	13	http://...						

! News Feed !

- Title: awdda Body: dawd
- Title: dasds Body: dsxdc
- Title: check Body: check
- Title: dawd Body: awdw
- Title: dawd Body: awdw
- Title: dawd Body: awdw
- Title: dawd Body: awdw
- Title: joker Body: 123
- Title: joker Body: 123

6.12 Admin Page

Dark Theme for Cut-Off List Page

Final List

Print Mail Civil Engineering

	Rank.	First Name	Middle Name	Last Name	DOB	Gender	Branch	ranch C
1	1	Orlando	Lorin	Treen	9/13/2021	Male	Civil ...	Mechan
2	2	Krystle	Brandtr	Rubel	3/18/2022	Female	Civil ...	Comput
3	3	Tye	Balduin	Laidlow	7/19/2021	Male	Civil ...	Informat
4	4	Shepperd	Cole	Dunk	2/23/2022	Male	Civil ...	Civil ...
5	5	Francisco	Griffie	Cribbins	5/23/2021	Male	Civil ...	Civil ...
6	6	Ciro	Ricoriki	Broader	8/22/2021	Male	Civil ...	Mechan
7	7	Maurie	Major	Hammarberg	12/30/2021	Male	Civil ...	Mechan
8	8	Susy	Ewan	Byrnes	4/17/2021	Female	Civil ...	Informat
9	9	Jeremy	Benoit	Clyma	3/4/2022	Male	Civil ...	Civil ...
10	10	Far	Germaine	Guillotin	10/8/2021	Male	Civil ...	Civil ...

! News Feed !

- Title: awdda Body: dawd
- Title: dasds Body: dsxdc
- Title: check Body: check
- Title: dawd Body: awdw
- Title: dawd Body: awdw
- Title: dawd Body: awdw
- Title: joker Body: 123
- Title: joker Body: 123

6.13 CutOff List Page

Dark Theme for Personal Information Page

MainWindow

A P Shah Institute Of Technology

Theme: Dark

System:

- DashBoard
- Notices
- Admin Panel

Help:

- Help Center 1

User:

- Logout

Users Details:

Browse Image

First name Middle name Last name

Select Date Of Birth 1/1/00

Select ID Proof From Drop Down none

Gender: ☒ Male ☐ Female

Residential Details:

Address

Appartment, Area etc (optional)

4864864 City State

Country

! News Feed !

Title: awdda
Body: dawd

Title: dasds
Body: dsxde

Title: dasds
Body: dsxde

Title: check
Body: check

Title: check
Body: check

Title: dawd
Body: awdw

Title: dawd
Body: awdw

Title: dawd
Body: awdw

Title: joker
Body: 123

Title: joker
Body: 123

6.14 Personal Information Page

Dark Theme for Payment Page

MainWindow

A P Shah Institute Of Technology

Theme: Dark

System:

- DashBoard
- Notices
- Admin Panel

Help:

- Help Center 1

User:

- Logout

Form Details

Branch

- ☐ Civil Engineering
- ☐ Mechanical Engineering
- ☒ Information Technology
- ☐ Computer Science

Form Method

- ☐ Credit/Debit
- ☒ UPI
- ☐ Cash

Academic Year 2020-24

Course F.E

! News Feed !

Title: awdda
Body: dawd

Title: dasds
Body: dsxde

Title: dasds
Body: dsxde

Title: check
Body: check

Title: check
Body: check

Title: dawd
Body: awdw

Title: dawd
Body: awdw

Title: dawd
Body: awdw

Title: joker
Body: 123

Title: joker
Body: 123

6.15 Payment Page

Chapter 7

Project Scheduling

Sr No.	Group Members	Time Duration	Work to be done
1	Chirag Padyal Anuj Kunder Vishal Bangar Jaykumar Nayi	3rd Week Of February	<i>Designing Login and Registration Page for Admin</i> <i>Designing Dashboard with Logout Button</i> <i>Designing Admin Panel</i>
2	Chirag Padyal Anuj Kunder	4th Week Of February	Qualification Form Personal Detail form Mail on payment system
3	Vishal Bangar Jaykumar Nayi	2nd Week Of March	Admin Login and Registration MySQL connector connection.
4	Chirag Padyal Anuj Kunder	3rd Week Of March	Student Qualification, Personal Detail and Branch Detail Form Back-end Connection and Document Upload.
5	Chirag Padyal	4th Week Of March	Admin Panel Tabular Data From All Student Table.

6	Vishal Bangar Jaykumar Nayi	1st Week Of April	Form Validations.
7	ChiragPadyal Jaykumar Nayi	2nd Week Of April	Auto Qualification based on Mark-Sheet

Chapter 8

Conclusion:

By this project we are trying to implement an offline admission process which is a student admission management system, which is good and an easy way for reduce in hand work and making less handwork necessary. Students database can be retrieved within quick interval of time proper maintaining of records can be achieved. Our system presently aims on creation of an good student admission management system for the colleges and universities to automate the selection of students in in-house admission.

References

1. <https://doc.qt.io/qtforpython/>
2. https://www.w3schools.com/python/python_mysql_getstarted.asp
3. <https://stackoverflow.com/questions/56989216/switching-frames-in-pyqt>

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