

College Administration System

A PROJECT REPORT

Submitted by

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*In fulfillment for the award of degree
of Bachelor of Engineering in Information & Communication Technology*



**INFORMATION & COMMUNICATION TECHNOLOGY DEPARTMENT
L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY
GUJARAT TECHNOLOGICAL UNIVERSITY
AHMEDABAD**

YEAR, 2020-21

L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY

INFORMATION & COMMUNICATION TECHNOLOGY DEPARTMENT

YEAR, 2020-21



CERTIFICATE

This is to certify that the Project entitled "**College Administration System**" submitted by **Team-125121**, towards the fulfillment of the requirements for the degree of Bachelor of Engineering in Information & Communication Technology of L.J. Institute of Engineering and Technology, Ahmedabad, under the Gujarat Technological University, Ahmedabad is the record of work carried out by him under my supervision and guidance. In my opinion, the submitted work has reached a level required for being accepted for examination. The results embodied in this project, to the best of my knowledge, haven't been submitted to any other university or institution for award of any degree or diploma.

Prof. Bhautik Trivedi
Faculty Guide

Prof. Mitesh Thakkar
(HOD - IT/ICT)

GUJARAT TECHNOLOGICAL UNIVERSITY

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Abstract

We observe that due to COVID-19 it is difficult to go to college for admission process. So this process has to be online and to reduce manual work we make a portal for LJIET to filling a form for admission and student can download his/her PDF of details.

We observe that right now some work is doing manually by faculties and administrator in LJIET.

To keep Students records like SIF(Student Information Form) and maintain Student Information by Mentor side is recorded in Hard copy and also Faculties maintain their daily report manually.

We will try to convert this hard work into Smart work by making Web Application.

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List of Abbreviation

Abbreviation	Full Name
UI	User Interface
SIF	Student Information Form
DFD	Data Flow Diagram

Chapter 1 Introduction

1.1 Introduction to system

Due to COVID-19 it is difficult to go to college for admission process .So this process has to be online and to reduce manual work we make a portal for LJIET to filling a form for admission and student can download his/her PDF of details. To keep Students records like SIF(Student Information Form) and maintain Student Information by Mentor side is recorded in Hard copy and also Faculties maintain their daily report manually.

We will try to convert this hard work into Smart work by making Web Application. There are 3 users.

1)Student

2)Mentor

3)Admin.

Students are able to see their grade history. Admin have all rights to manage the system. Admin can allocate students to particular mentor and give the access to mentor to fill SIF of allocated students. Admin can Mentor can manage the SIF of allocated students.

1.2 Limitation Of Existing System

The limitation of existing system is that performance of student are not calculated dynamically. The efficient method of calculation for student performance is not available.

There is no option for mentor allocation, filtering data, admission form and manage Student Information Form in one system.

1.3 Objective of the new System

The following are objectives of the new system

- To Fill Admission form online and download Application pdf
- To manage Student Information Form (SIF)
- Mentor allocation
- To view student grade history
- To manage faculty details
- To make marks formulation dynamically
- To filter data by different categories

1.4 Problem definition

Our problem definition is College Administration System. We are trying to make admission form online and download Application pdf, to manage Student Information Form (SIF), to filter data by different categories, to make marks formulation dynamically through our website.

Chapter 2 Requirement Analysis

2.1 Feasibility study

The feasibility study of a system determines whether it is possible to develop the system per user requirements. It shows the level of satisfaction that the customer (user) and the developer will want from proposed system.

The feasibility study is to examine the Technical, Operational and Economical Feasibility.

2.1.1 Technical Feasibility

The technical problems usually raised during the feasibility stage of the investigation. The technical feasibility study contrasts the level of technology available in the software development firm.

The proposed system developed is technical feasible.

The proposed system can run on any machines supporting on any operating system and Internet services and work on the best software and hardware that had been used while designing the system so that would be feasible in all technical terms of feasibility.

Technical problems involved are the necessary technology existence, technical guarantees of accuracy, reliability, ease of access, data security, and aspects of future expansion.

2.1.2 Economic Feasibility

The economical feasibility is considered in terms of price.

The Organization measure the cost effectiveness of the system.

There must be chances for profit after the successful Completion of the project. The financial and economical problems raised by analyst during the Preliminary investigation are for the purpose of estimating the following:

- The amount to conduct a full system investigation.
- The amount of hardware and software for the class of application being considered.
- The advantages in the form of reduced costs or fewer costly errors.
- The cost if nothing change (i.e. the proposed system is not developed).
- The system is economically feasible. It does not need any addition hardware or software. Since the interface for this system is developed using current resources and technologies available, there is nominal expenditure and economic feasibility for certain.

2.1.3 Operational Feasibility

Operational feasibility study examines the operational scope of the software to be developed. It is checked that if the system is actually can be useful when implemented.

The proposed system will be beneficial only if it can be turned into a system which will meet the requirements of the customer when it is developed and installed, and there is sufficient support from the users.

The given system will improve the total performance.

Here, customers are the most important part of the system and the proposed system will provide them with a convenient mode of operation for them.

The proposed system can provide to all activities like admission form online and download Application pdf ,to manage Student Information Form(SIF),to filter data by different

categories, to make marks formulation dynamically in one platform. Hence, proposed system is operationally feasible.

2.2 Requirement Of System (Functional and Non Functional)

❖ Functional Requirements:

- Students can fill the admission form using our system.
- Students can download their application details.
- Students can view the grade history.
- Admin can allocate students to mentor.
- Admin can manage the marks of students.
- Admin can manage the branch and subjects.
- Mentor can manage the students information form(SIF).

❖ Non Functional Requirements:

- **Usability:** There should be a consistency in all the modules and webpages. There must be proper instructions on each page.
- **Reliability:** There shall be no risk of data loss.
- **Supportability:** The system should be able to support any machine. Maintainability of the system should be easy.
- **Performance:** In order to ease the accessibility, the types of filter should be categorized. Throughput of the system will increase due to light weight database support.
- **Availability:** The system must be available all the time 24X7.

2.3 Tools and Technology used

❖ Development Tools/Resources

- The tools/resources used while developing the app are listed below:
 - **Front- end** :- HTML5,CSS3 ,Java Script,Bootstrap4,AJAX
 - **Back- end** :- Python - Django
 - **Database**:- sqlite3, MySql
 - **Ide Framework**:- VsCode

❖ **Deployment Tools/Resources**

- The tools/resources used for the deployment process are as listed below:
 - Version control-git
 - Digital Ocean (ubuntu 18.04 server)

2.4 Project Estimation

- This system will be fully implemented and installed in the time period of 6 months.
- It will have some estimated budget as per planning for necessary software and hardware.
- Human factor will be needed for coding, implementing and testing.
- The amount of the project is still to be estimated.

Chapter 3 System Design

3.1 Use case Diagram

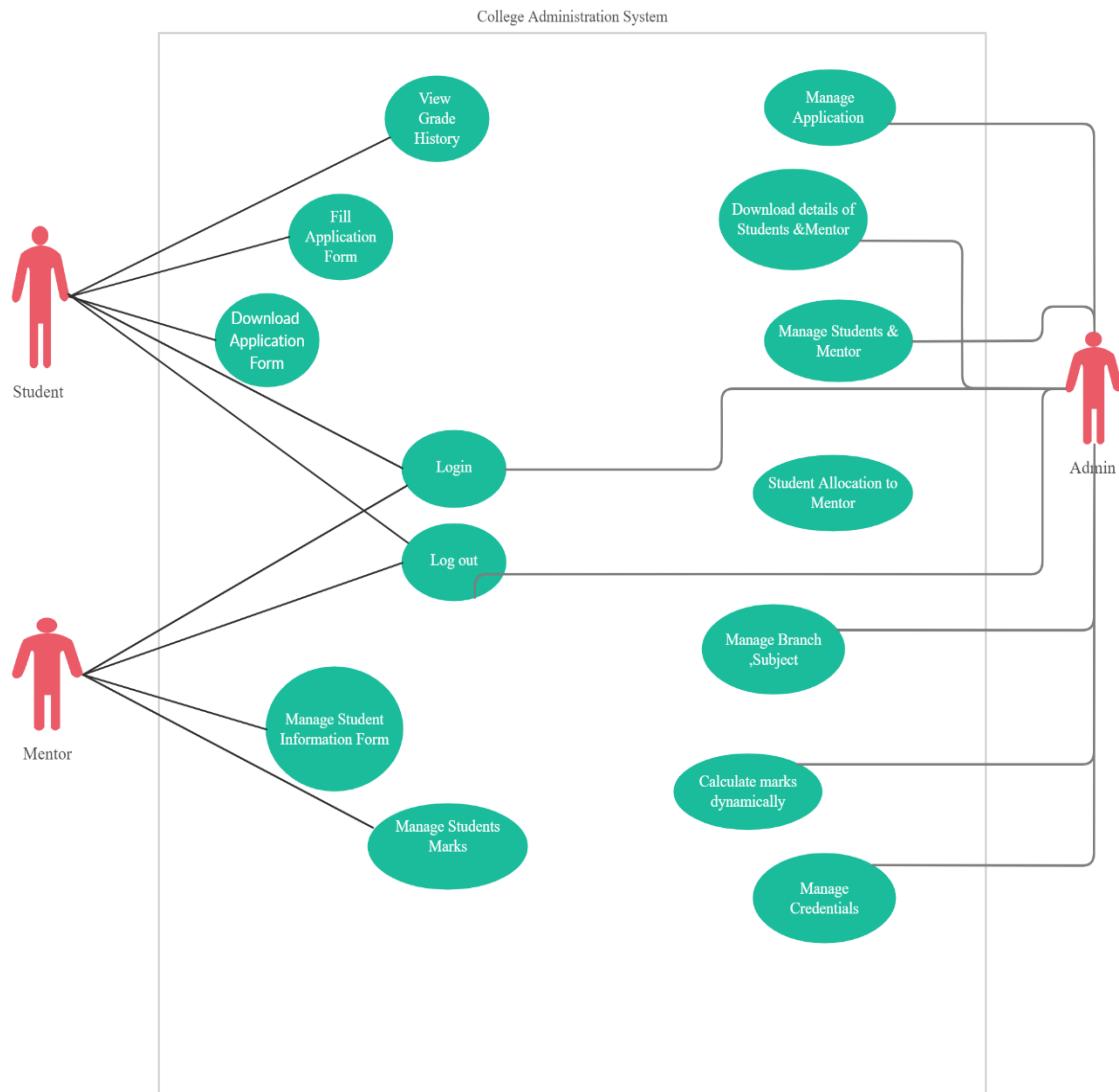


Fig. 3(a) Usecase Diagram

3.2 Activity Diagram

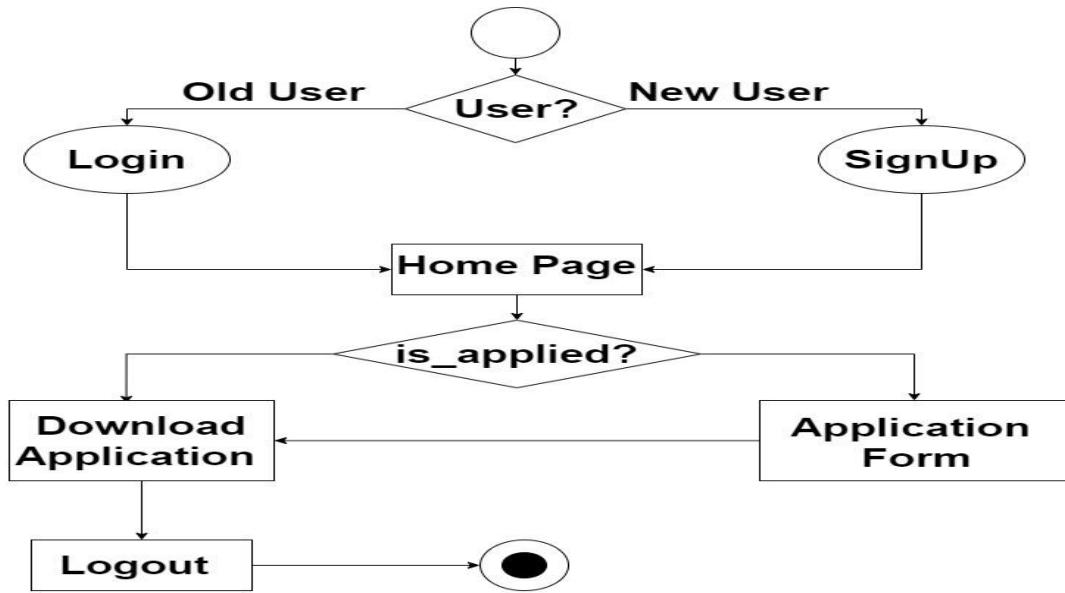


Fig. 3(b) Activity Diagram(Admission Form)

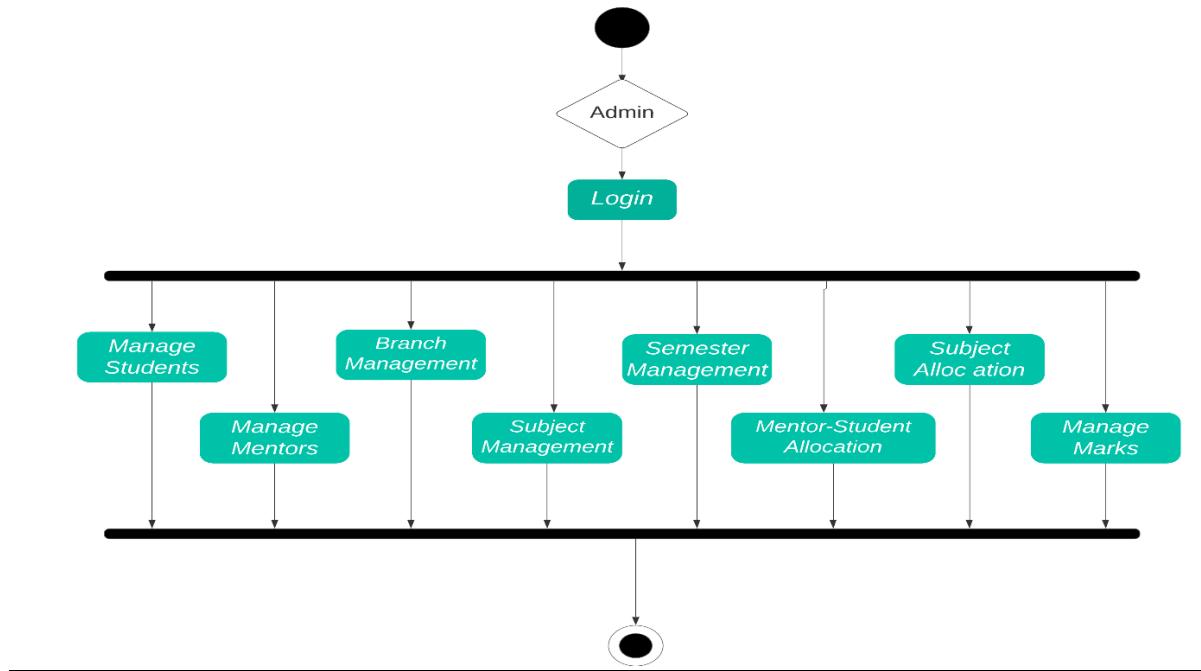
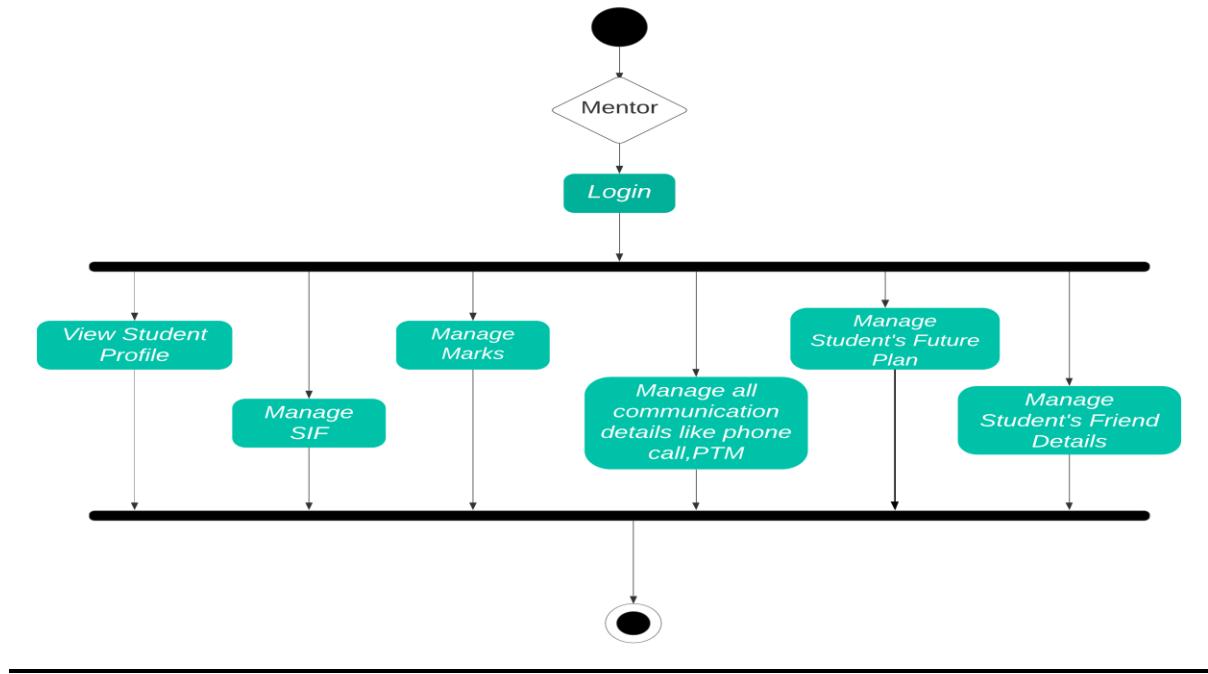
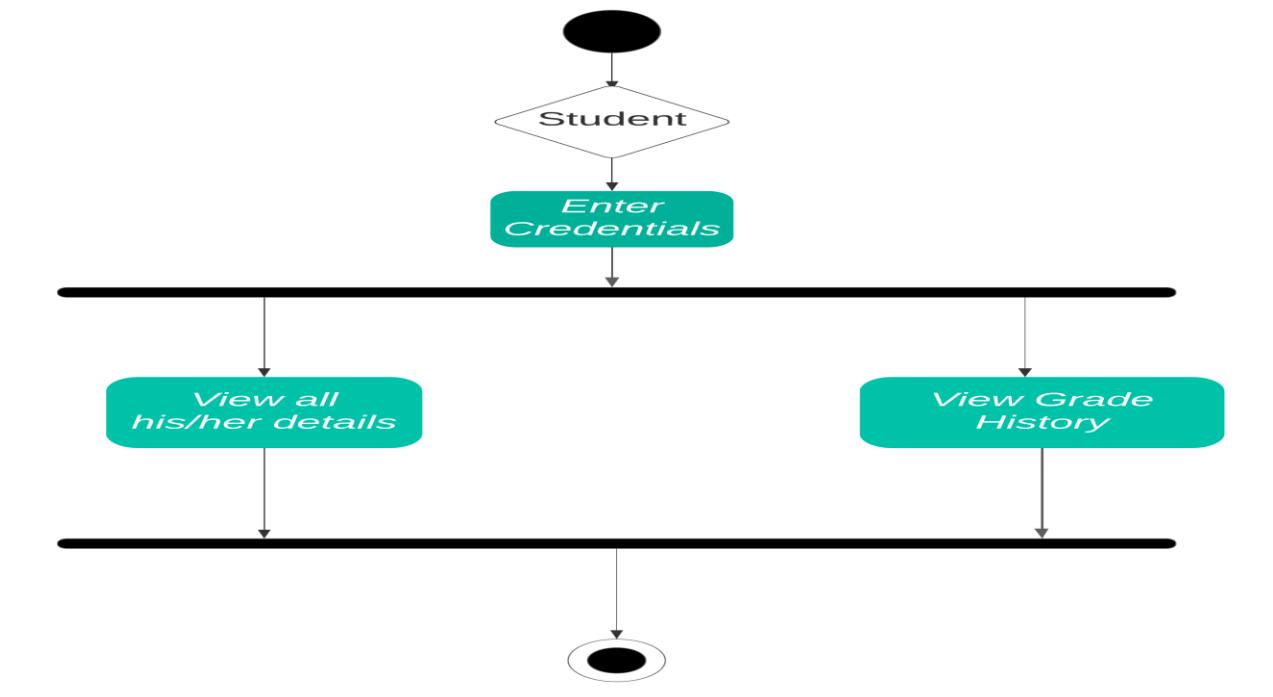


Fig. 3(c) Activity Diagram (Admin)

**Fig. 3(d) Activity Diagram (Mentor)****Fig. 3(e) Activity Diagram (Student)**

3.3 Sequence Diagram



Fig. 3(f) Sequence Diagram(Sign Up)

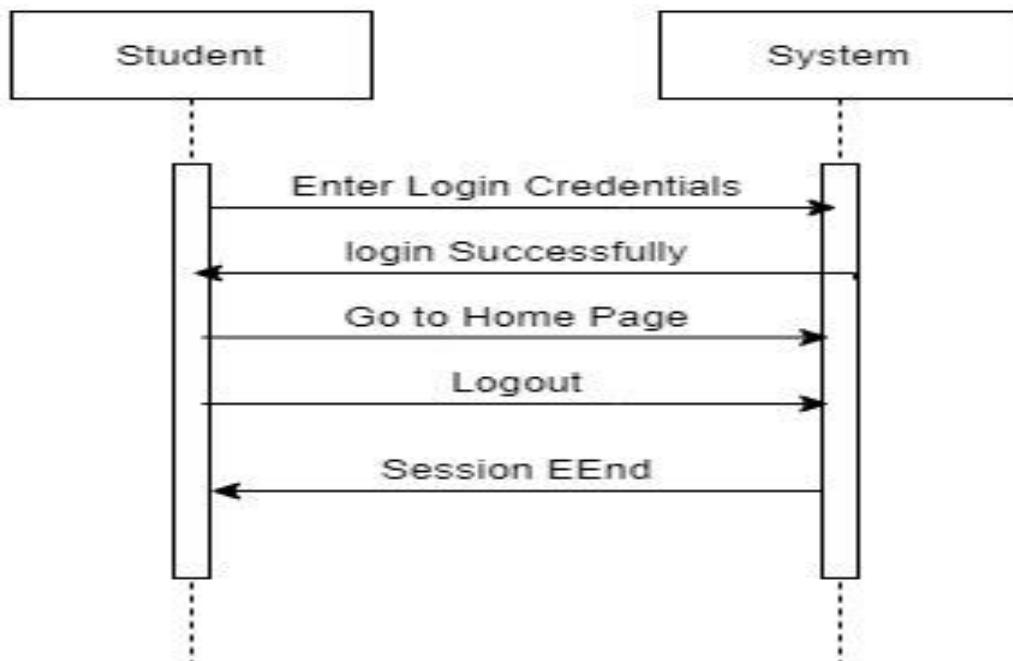


Fig. 3(g) Sequence Diagram(Login)

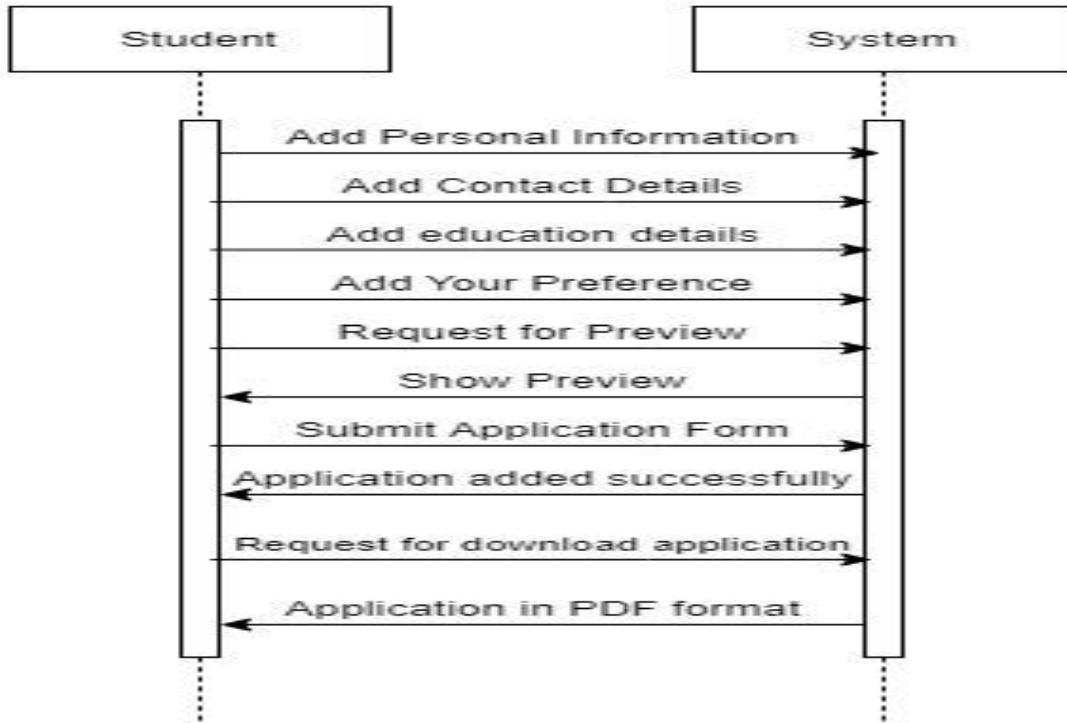


Fig. 3(h) Sequence Diagram (Application)

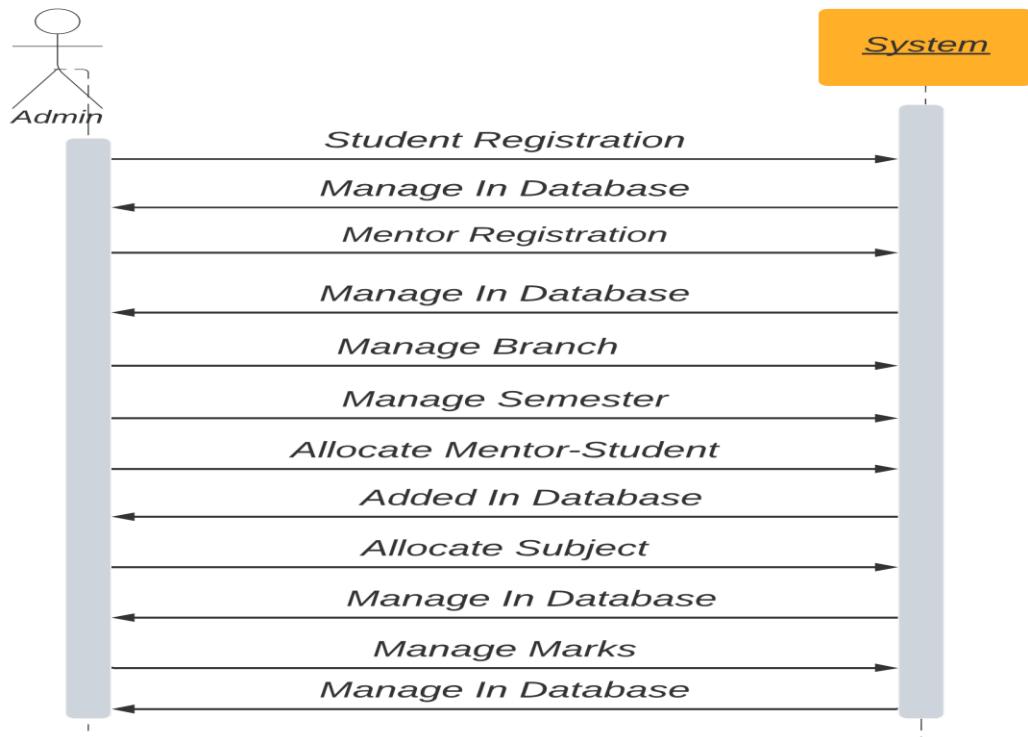
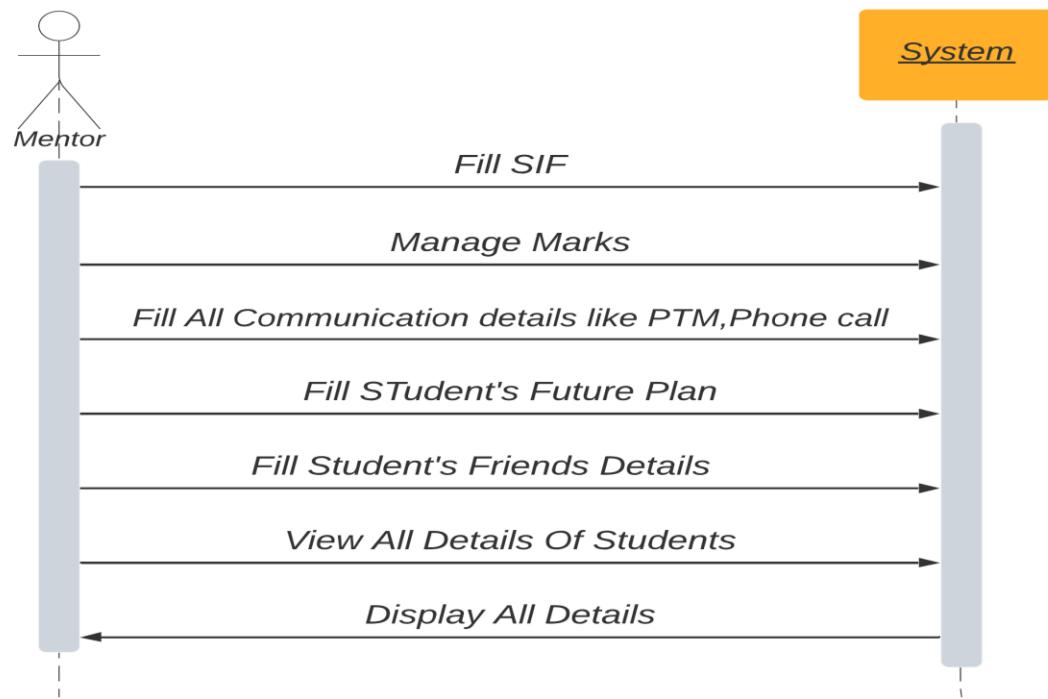
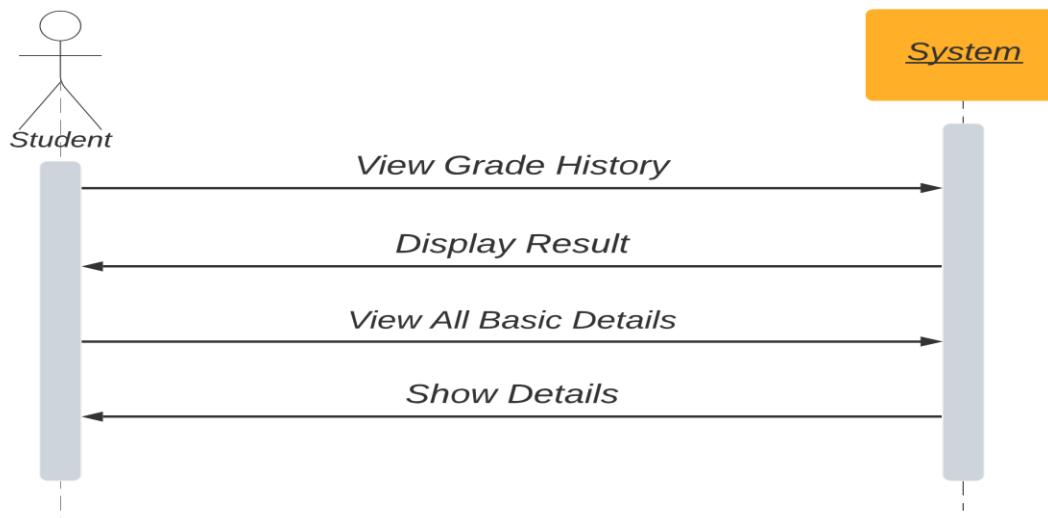


Fig. 3(i) Sequence Diagram (Admin)

**Fig. 3(j) Sequence Diagram (Mentor)****Fig. 3(k) Sequence Diagram (Student)**

3.4 Class Diagram

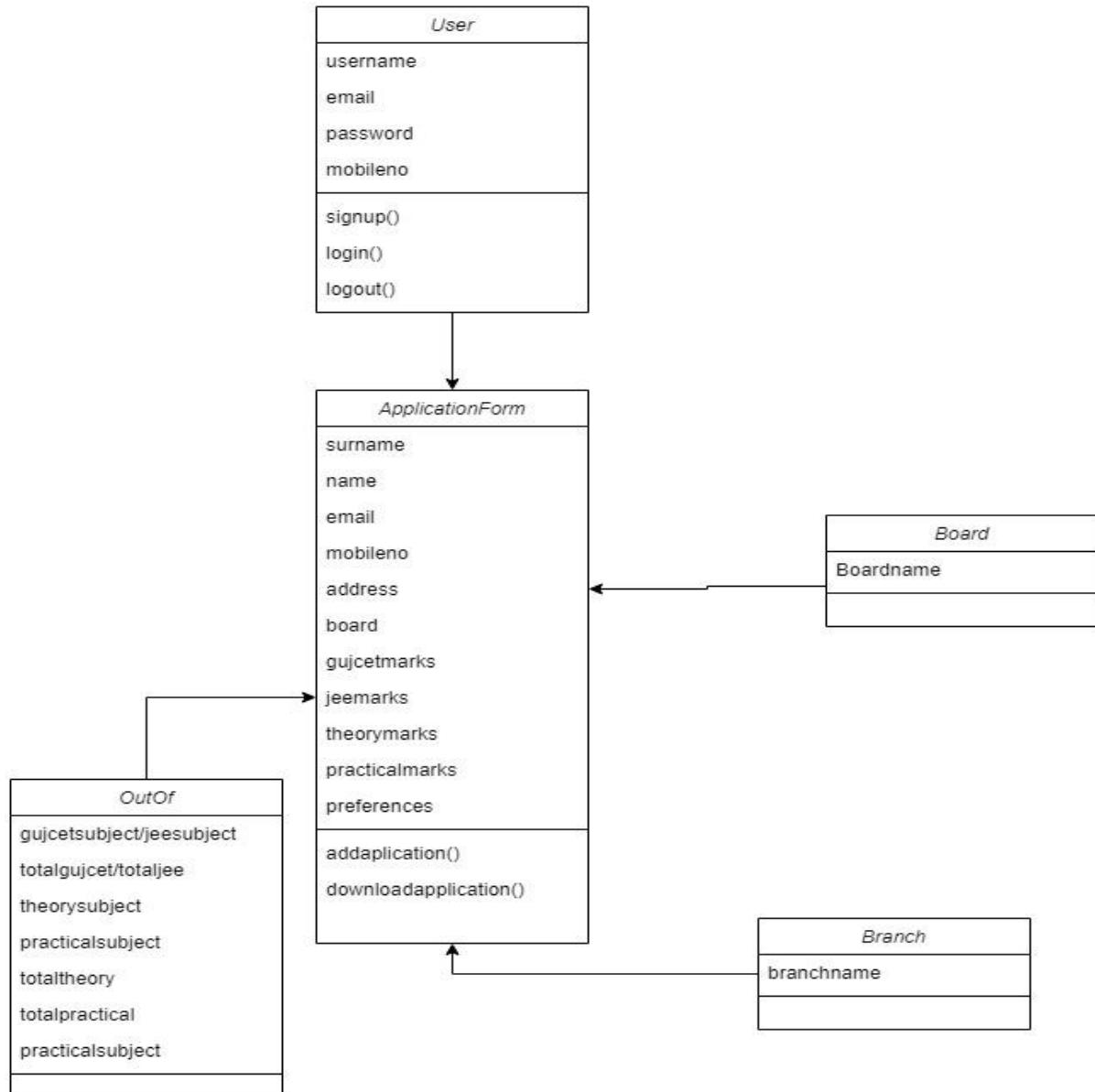


Fig. 3(l) Class Diagram

3.5 Data Flow Diagram

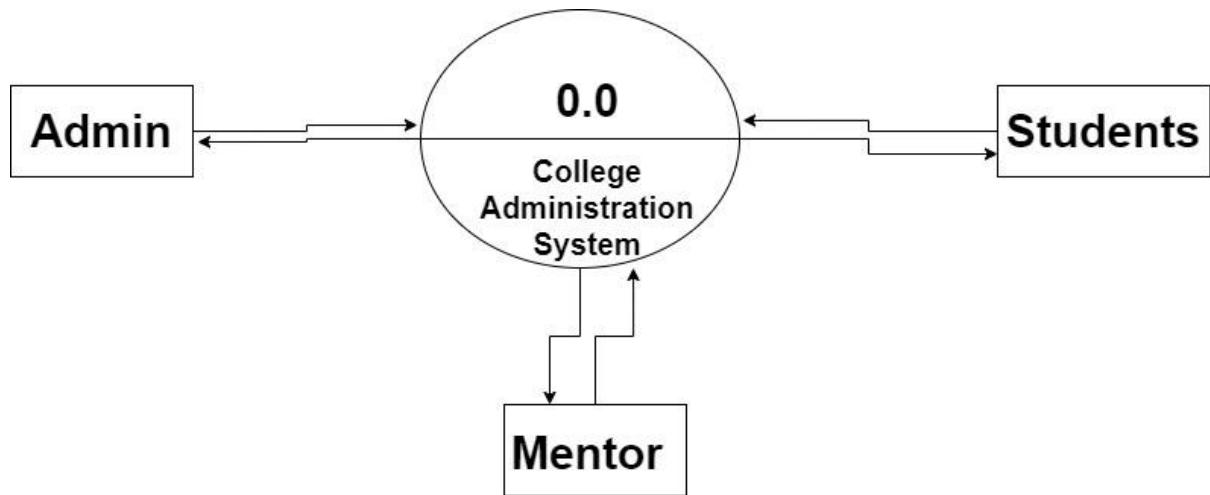


Fig. 3(m) DFD level 0 Diagram

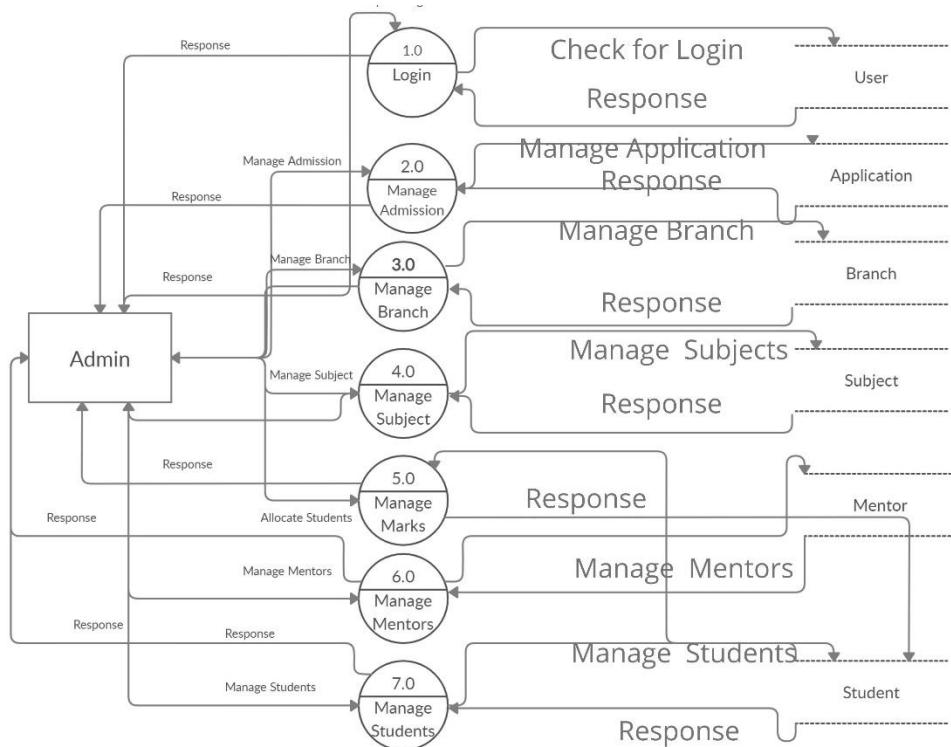
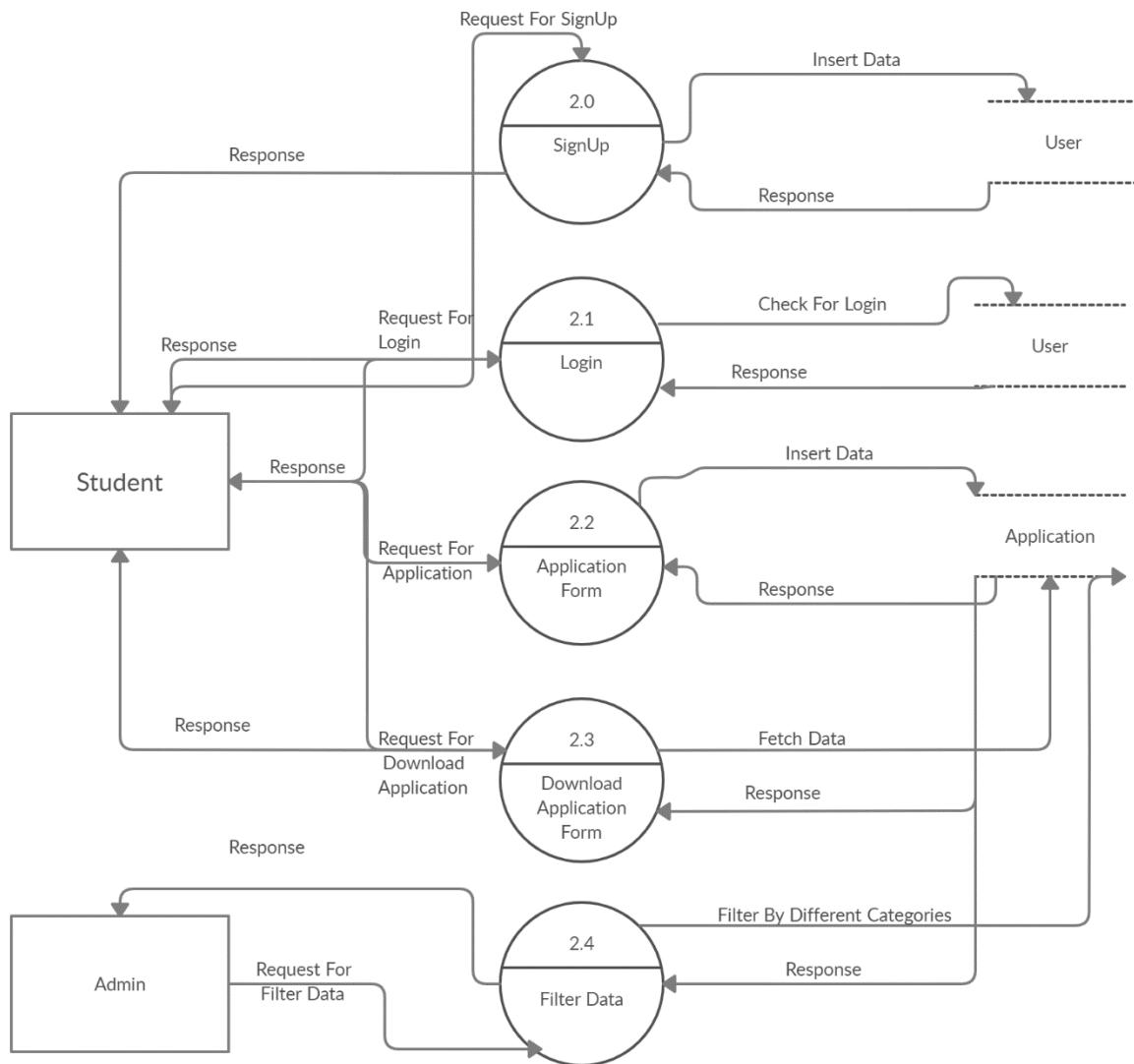


Fig. 3(n) DFD level 1 Diagram

**Fig. 3(o) DFD level 2 Diagram**

Chapter 4 Data Dictionary

ADMISSION FORM

Field Name	Data type	Field Length	Constraint	Description
id	int	11	Primary	User id
password	varchar	28		Password
last_login	datetime			Last Login Time
is_superuser	tinyint	1		Admin or not
username	varchar	150	Unique	Username
first_name	varchar	30		First Name
last_name	varchar	30		Last Name
email	varchar	254		Email
is_staff	tinyint	1		
is_active	tinyint	1		
date_joined	datetime			SignUp Time
is_applied	tinyint	1		Application Filled Or Not
mobileno	varchar	15		Mobile Number

Table 4(a) User Table

Field Name	Data type	Field Length	Constraint	Description
student_id	int	11	Foreign Key Reference User Table	Student Id
surname	varchar	100		
name	varchar	100		
fathername	varchar	100		
mothername	varchar	100		
gender	varchar	100		
dob	date			Date Of Birth
category	varchar	100		
image	varchar	100		Student Image
email	varchar	100		
mobileno	varchar	15		
Alternative mobileno	varchar	15		
landlineno	varchar	15		
address	varchar	800		
city	varchar	100		
pincode	varchar	10		
schoolname	varchar	100		

schoolarea	varchar	100		
schoolcity	varchar	100		
medium	varchar	100		
board	varchar	100		
gujcet_maths	varchar	10		
jee_maths	varchar	10		
gujcet_chemistry	varchar	10		
jee_chemistry	varchar	10		
gujcet_physics	varchar	10		
jee_physics	varchar	10		
gujcet_total	varchar	10		
jee_total	varchar	10		
passing_year	varchar	10		
seatno	varchar	10		
acpcno	varchar	10		
meritmarks	varchar	10		
gujcetno	varchar	10		
jeeno	varchar	10		
first_preference	varchar	10		
second_preference	varchar	10		
third_preference	varchar	10		
fourth_preference	varchar	10		
fifth_preference	varchar	10		
six_preference	varchar	10		
seven_preference	varchar	10		

eight_preference	varchar	10		
english_theory	varchar	10		
computer_theory	varchar	10		
computer_practical	varchar	10		
maths_theory	varchar	10		
chemistry_theory	varchar	10		
chemistry_practical	varchar	10		
physics_theory	varchar	10		
physics_practical	varchar	10		
theory_total	varchar	10		
practical_total	varchar	10		
timeStamp	date			Time of Application Fill
marksheet	varchar	100		12th Marksheets

Table 4(b) Application Form Table

Field Name	Data type	Field Length	Constraint	Description
bno	int	11	Primary	Board no
boardname	varchar	200		

Table 4(c) Board Table

Field Name	Data type	Field Length	Constraint	Description
sno	int	11	Primary	Branch No
bname	varchar	200		Branch Name

Table 4(d) Branch Table

Field Name	Data type	Field Length	Constraint	Description
id	int	11	Primary	Id
gujarat_theory	varchar	50		Gujarat Board Theory marks
gujarat_practical	varchar	50		Gujarat Board Practical marks
gujarat_totaltheory	varchar	50		Gujarat Board Total Theory marks
gujarat_totalpractical	varchar	50		Gujarat Board Total Practical marks
other_theory	varchar	50		
other_theorywopractical	varchar	50		
other_practical	varchar	50		
other_totalpractical	varchar	50		
other_totaltheory	varchar	50		

gujcet_subject	varchar	50		Gujcet Subject Marks
gujcet_total	varchar	50		Gujcet Total Subject Marks
jee_subject	varchar	50		Jee Subject Marks
jee_total	varchar	50		Jee Total Subject Marks

Table 4(e) Out Of Table**STUDENT INFORMATION FORM**

Field	Type	Null	Key
ID	int(11)	NO	PRI
workArea	varchar(100)	NO	

Table 4(f) customadmin_areaofwork Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
branchCode	varchar(50)	NO	
branchName	varchar(100)	NO	
createdDate	datetime	NO	

modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user

Table 4(g) customadmin_branch Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
mode	varchar(60)	NO	
marks	varchar(20)	NO	
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user

Table 4(h) customadmin_exammode Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
date	date	NO	
time	varchar(40)	NO	
duration	varchar(20)	NO	
discusswith	varchar(40)	NO	
reasonForHomeVisit	varchar(50)	NO	
responseOfParents	varchar(50)	NO	
facultyRemarks	varchar(50)	NO	
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
MID_id	int(11)	YES	Foreign Key customadmin_user
SID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
semester_id	int(11)	YES	Foreign Key customadmin_semester

Table 4(i) customadmin_homevisitbyfacultyfrominstitute Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
subjectmark	varchar(20)	NO	
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
EID_id	int(11)	YES	Foreign Key customadmin_exammode
SID_id	int(11)	YES	Foreign Key customadmin_user
SubID_id	int(11)	YES	Foreign Key customadmin_subject
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
semester_id	int(11)	YES	Foreign Key customadmin_semester

Table 4(j) customadmin_markstable Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
MID_id	int(11)	YES	Foreign Key customadmin_user
SID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
semester_id	int(11)	YES	Foreign Key customadmin_semester

Table 4(k) customadmin_mentorallocation Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
mentorName	varchar(50)	NO	
mentorShortName	varchar(50)	NO	
alertynativeMobileNo	varchar(50)	YES	
createdDate	datetime	NO	

modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
MID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
reportingHead_id	int(11)	YES	Foreign Key customadmin_user

Table 4(l) customadmin_mentorpersonaldetails Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
date	date	NO	
time	varchar(40)	NO	
duration	varchar(20)	NO	
discusswith	varchar(40)	NO	
reasonForPTM	varchar(50)	NO	
responseOfParents	varchar(50)	NO	
facultyRemarks	varchar(50)	NO	
createdDate	datetime	NO	
modifiedDate	datetime	YES	

isActive	tinyint(1)	NO	
MID_id	int(11)	YES	Foreign Key customadmin_user
SID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
semester_id	int(11)	YES	Foreign Key customadmin_semester

Table 4(m) customadmin_parentteachermeeting Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
date	Date	NO	
time	varchar(40)	NO	
duration	varchar(20)	NO	
discusswith	varchar(40)	NO	
parentsRemarks	varchar(255)	YES	
createdDate	Datetime	NO	
modifiedDate	Datetime	YES	
isActive	tinyint(1)	NO	

MID_id	int(11)	YES	Foreign Key customadmin_user
SID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
semester_id	int(11)	YES	Foreign Key customadmin_semester

Table 4(n) customadmin_phonecallforintroductionofmentor Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
date	date	NO	
time	varchar(40)	NO	
duration	varchar(20)	NO	
discusswith	varchar(40)	NO	
teachingWeekNo	varchar(10)	NO	
percentageOfAttendance	varchar(20)	NO	
parentsRemarks	varchar(255)	NO	
facultyRemarks	varchar(255)	NO	

createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
MID_id	int(11)	YES	Foreign Key customadmin_user
SID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
semester_id	int(11)	YES	Foreign Key customadmin_semester

Table 4(o) customadmin_phonecallforlessattendance Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
date	date	NO	
time	varchar(40)	NO	
duration	varchar(20)	NO	
discusswith	varchar(40)	NO	
reasonForCall	varchar(190)	NO	
parentsRemarks	varchar(255)	NO	

facultyRemarks	varchar(255)	NO	
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
MID_id	int(11)	YES	Foreign Key customadmin_user
SID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
semester_id	int(11)	YES	Foreign Key customadmin_semester

Table 4(p) customadmin_phonecallforotherreason Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
date	Date	NO	
time	varchar(40)	NO	
duration	varchar(20)	NO	
discusswith	varchar(40)	NO	
nameOfExam	varchar(30)	NO	

failSubjectName	varchar(20)	NO	
parentsRemarks	varchar(255)	NO	
facultyRemarks	varchar(255)	NO	
createdDate	Datetime	NO	
modifiedDate	Datetime	YES	
isActive	tinyint(1)	NO	
MID_id	int(11)	YES	Foreign Key customadmin_user
SID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
semester_id	int(11)	YES	Foreign Key customadmin_semester

Table 4(q) customadmin_phonecallforpoorresult Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
value	varchar(255)	NO	
dataValue	varchar(255)	NO	
refCategory	varchar(255)	NO	

description	varchar(255)	NO	
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user

Table 4(r) customadmin_referencedata Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
sem	varchar(10)	NO	
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user

Table 4(s) customadmin_semester Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
branch	varchar(50)	NO	
semester	varchar(30)	NO	
division	varchar(20)	NO	
divisionCategory	varchar(40)	NO	
rollno	varchar(20)	NO	
hodShortName	varchar(20)	NO	
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
SID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user

Table 4(t) customadmin_studentcurrentstatus Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
admissionType	varchar(50)	NO	
fees	varchar(20)	NO	

createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
SID_id	int(11)	YES	Foreign Key customadmin_user
branch_id	int(11)	YES	Foreign Key customadmin_branch
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
semester_id	int(11)	YES	Foreign Key customadmin_semester

Table 4(u) customadmin_studentfees Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
firstName	varchar(50)	NO	
surname	varchar(50)	NO	
photo	varchar(100)	NO	
adharcardNo	varchar(20)	NO	

gender	varchar(20)	NO	
dob	date	NO	
branch	varchar(50)	NO	
landlineno	varchar(20)	NO	
pr_houseno	varchar(20)	NO	
pr_society	varchar(50)	NO	
pr_nearlandmark	varchar(50)	NO	
pr_area	varchar(50)	NO	
pr_city	varchar(30)	NO	
pr_state	varchar(30)	NO	
pr_pincode	varchar(20)	NO	
homeOrHostel	varchar(20)	NO	
hh_houseno	varchar(20)	NO	
hh_society	varchar(50)	NO	
hh_nearlandmark	varchar(50)	NO	
hh_area	varchar(50)	NO	
hh_city	varchar(30)	NO	
hh_state	varchar(30)	NO	

hh_pincode	varchar(20)	NO	
religion	varchar(50)	NO	
caste	varchar(50)	NO	
nationality	varchar(50)	NO	
reserveCategory	varchar(50)	NO	
isPhysicallyHandicapped	tinyint(1)	NO	
bloodGroup	varchar(50)	NO	
medicalHistory	varchar(255)	NO	
achievement	varchar(255)	NO	
planningForOverseas	tinyint(1)	NO	
alternativeMobileNo	varchar(20)	NO	
admittedCategory	varchar(30)	NO	
fatherName	varchar(50)	YES	
fQualification	varchar(50)	YES	
fPhoto	varchar(100)	YES	
fOccupation	varchar(50)	YES	
fFirmName	varchar(50)	YES	
fFirmAddress	varchar(100)	YES	

fDesignation	varchar(50)	YES	
fAreaOFWork	varchar(50)	YES	
femail	varchar(50)	YES	
fMobileNo	varchar(20)	YES	
fAlternativeMobileNo	varchar(20)	YES	
motherName	varchar(50)	YES	
mQualification	varchar(50)	YES	
mPhoto	varchar(100)	YES	
mOccupation	varchar(50)	YES	
mFirmName	varchar(50)	YES	
mFirmAddress	varchar(100)	YES	
mDesignation	varchar(50)	YES	
mAreaOFWork	varchar(50)	YES	
memail	varchar(50)	YES	
mMobileNo	varchar(20)	YES	
mAlternativeMobileNo	varchar(20)	YES	
guardianName	varchar(50)	YES	
gQualification	varchar(50)	YES	

gPhoto	varchar(100)	YES	
gOccupation	varchar(50)	YES	
gFirmName	varchar(50)	YES	
gFirmAddress	varchar(100)	YES	
gDesignation	varchar(50)	YES	
gAreaOFWork	varchar(50)	YES	
gemail	varchar(50)	YES	
gMobileNo	varchar(20)	YES	
gAlternativeMobileNo	varchar(20)	YES	
vip	tinyint(1)	NO	
vipPost	varchar(40)	YES	
familyIncome	varchar(40)	YES	
broSisName1	varchar(30)	YES	
broSisAge1	varchar(30)	YES	
broSisEducation1	varchar(30)	YES	
broSisContactNo1	varchar(30)	YES	
broSisName2	varchar(30)	YES	
broSisAge2	varchar(30)	YES	

broSisEducation2	varchar(30)	YES	
broSisContactNo2	varchar(30)	YES	
AluminiFStudentName	varchar(30)	YES	
AluminiFStudentNumber	varchar(30)	YES	
AluminiFStudentCourseName	varchar(30)	YES	
studentName	varchar(70)	NO	
ssc_res_obtain	varchar(20)	NO	
ssc_res_outOf	varchar(20)	NO	
medium	varchar(20)	NO	
board	varchar(20)	NO	
hsc_res_obtain	varchar(20)	NO	
hsc_res_outOf	varchar(20)	NO	
hsc_passing_year	varchar(20)	NO	
jee_crl_rank	varchar(20)	NO	
jee_applicationNo	varchar(20)	NO	
gujcet_res_obtain	varchar(20)	NO	
gujcet_res_outOf	varchar(20)	NO	
gujcet_rollNo	varchar(20)	NO	

acpcMeritRank	varchar(20)	NO	
schoolName	varchar(40)	NO	
schoolAddress	varchar(20)	NO	
schoolCity	varchar(20)	NO	
schoolState	varchar(20)	NO	
distanceFHTLj	varchar(30)	NO	
timeTRLj	varchar(30)	NO	
ModeOfTransport	varchar(30)	NO	
BusRoutNo	varchar(30)	YES	
pickupDropStand	varchar(20)	YES	
pickupTime	varchar(20)	YES	
dropTime	varchar(20)	YES	
regularUpdateAttendance	tinyint(1)	NO	
regularUpdateResult	tinyint(1)	NO	
prefredModeOfCom	varchar(30)	NO	
OPTENG	varchar(100)	NO	
WHYSELLJ	varchar(100)	NO	
visitLJBA	tinyint(1)	NO	

sRRBBA	tinyint(1)	NO	
aCBTA	tinyint(1)	NO	
nameOfCounsellor	varchar(50)	YES	
nameOfReferredPerson	varchar(50)	YES	
contactNoOfReferredPerson	varchar(50)	YES	
nameOfSeniorStudent	varchar(50)	YES	
enrollmentOfSeniorStudent	varchar(20)	YES	
mobileNoOfSeniorStudent	varchar(20)	YES	
semOfSeniorStudent	varchar(20)	YES	
branchOfSeniorStudent	varchar(20)	YES	
nameOfHighProfile	varchar(30)	YES	
relationwithStudent	varchar(30)	YES	
occupation	varchar(30)	YES	
contactNo	varchar(30)	YES	
compamyName	varchar(30)	YES	
designation	varchar(30)	YES	
companyAddress	varchar(255)	YES	
areaOfWork	varchar(70)	YES	

knowVPT	tinyint(1)	NO	
knowVPTHOW	varchar(255)	YES	
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
SID_id	int(11)	YES	Foreign Key customadmin_user
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
hsc_che_obtain	varchar(20)	NO	
hsc_che_outOf	varchar(20)	NO	
hsc_maths_obtain	varchar(20)	NO	
hsc_maths_outOf	varchar(20)	NO	
hsc_phy_obtain	varchar(20)	NO	
hsc_phy_outOf	varchar(20)	NO	

Table 4(v) customadmin_studentinformationform Table

Field	Type	Null	Key
ID	int(11)	NO	PRI
subjectCode	varchar(50)	NO	
subjectName	varchar(100)	NO	
subjectCredit	varchar(20)	NO	
createdDate	datetime	NO	
modifiedDate	datetime	YES	
isActive	tinyint(1)	NO	
createdBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user

Table 4(w) customadmin_subject Table

Field	Type	Null	Key
password	varchar(128)	NO	
last_login	datetime	YES	
is_superuser	tinyint(1)	NO	
username	varchar(150)	NO	UNI
first_name	varchar(150)	NO	
last_name	varchar(150)	NO	
is_staff	tinyint(1)	NO	
is_active	tinyint(1)	NO	

date_joined	datetime	NO	
ID	int(11)	NO	PRI
roles	varchar(150)	NO	
mobileno	varchar(100)	NO	
email	varchar(100)	NO	
createdDate	datetime	NO	
createdBy_id	int(11)	YES	Foreign Key customadmin_user
isActive	tinyint(1)	NO	
modifiedBy_id	int(11)	YES	Foreign Key customadmin_user
modifiedDate	datetime	YES	

Table 4(x) customadmin_user Table

Chapter 5 Snapshot

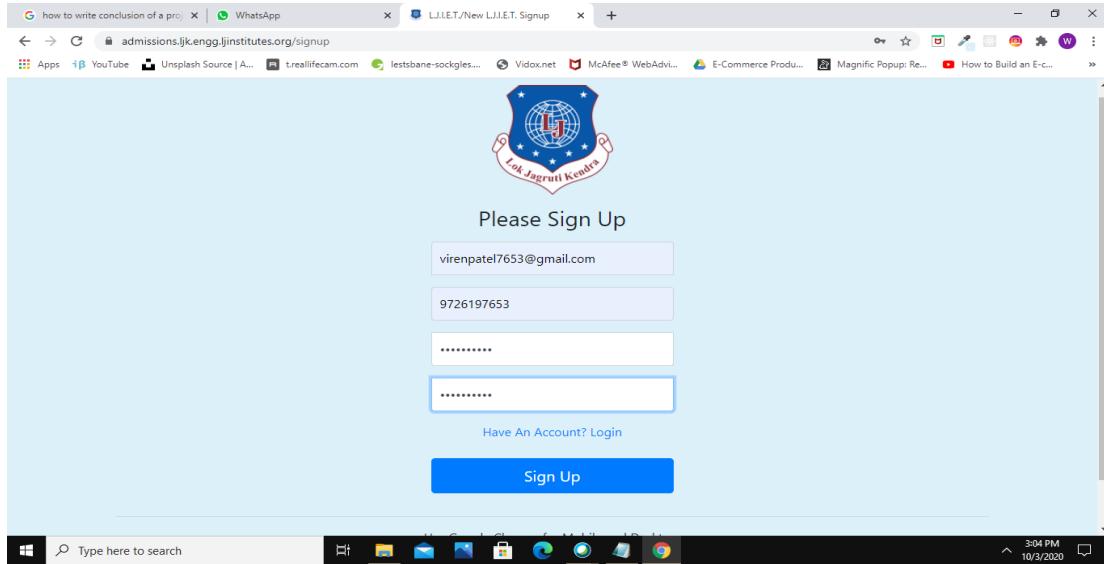


Fig. 5(1) Signup

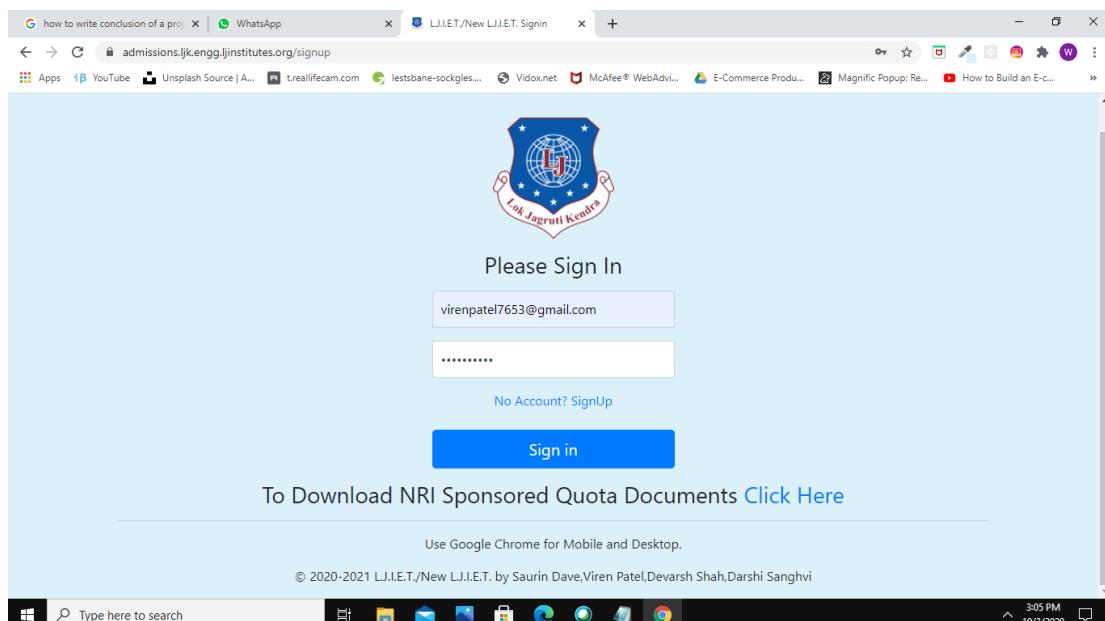
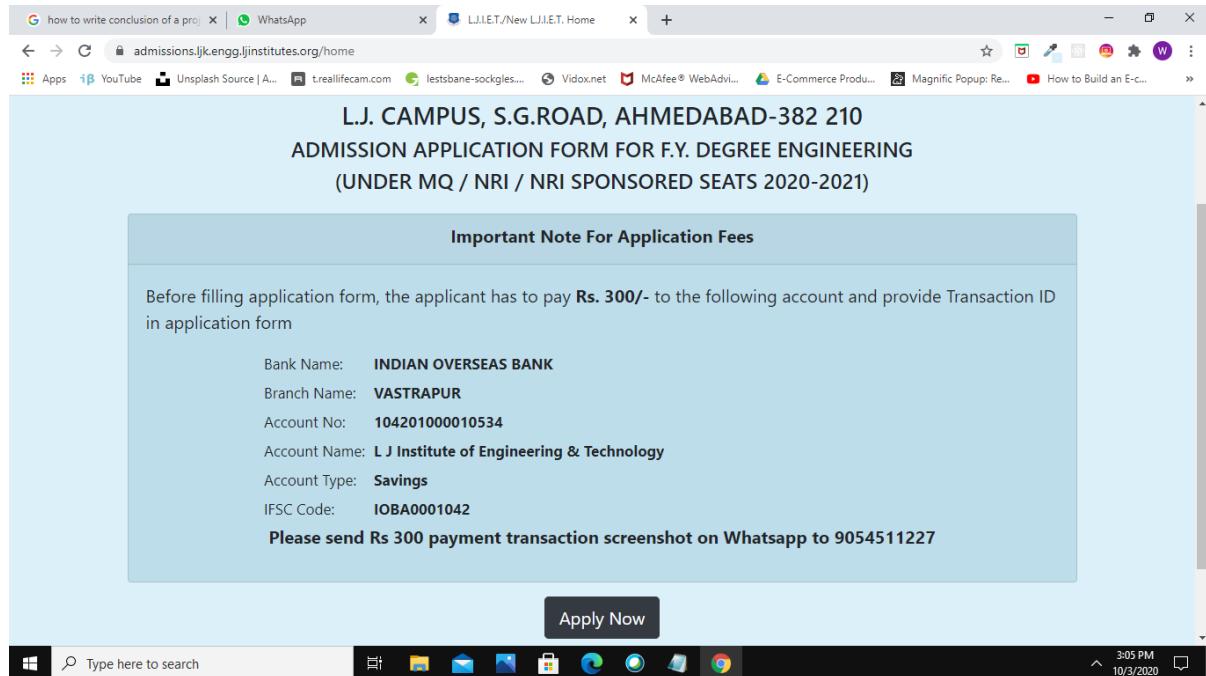
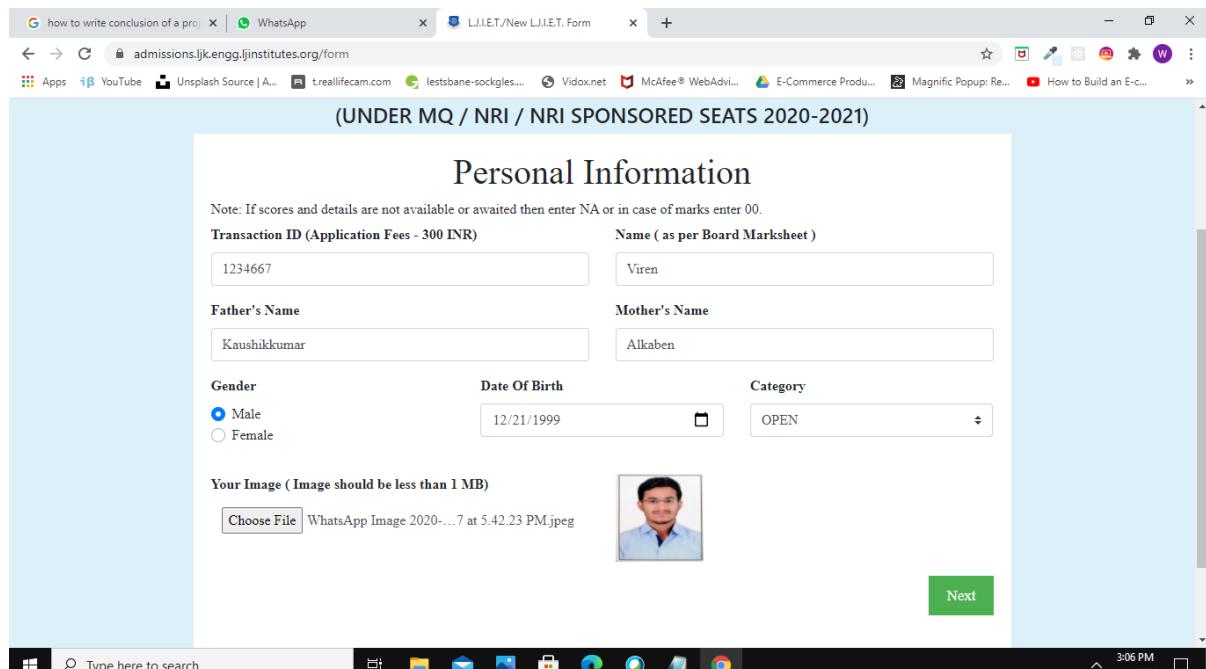


Fig. 5(2) Login

**Fig. 5(3)Home Page****Fig. 5(4)Application Form(Personal Information)**

The screenshot shows a web browser window with the URL admissions.ljk.engg.ljinstitutes.org/form. The page title is "L.J.I.E.T./New L.J.I.E.T. Form". The main heading is "(UNDER MQ / NRI / NRI SPONSORED SEATS 2020-2021)". Below it, the section title is "Contact Details". A note states: "Note: If scores and details are not available or awaited then enter NA or in case of marks enter 00." The form fields include:

- Email: virenpatel7653@gmail.com
- Mobile No: 9726197653
- Alternative Mobile No: 9824538113
- Landline No: 27525772
- Residential Address: c - 103 Devdutt Residency
- City: Ahmedabad
- Pincode: 382470

At the bottom right are "Previous" and "Next" buttons. The browser taskbar at the bottom shows various icons and the date/time: 3:13 PM, 10/3/2020.

Fig. 5(5) Application Form(Contact Details)

The screenshot shows a web browser window with the URL admissions.ljk.engg.ljinstitutes.org/form. The page title is "L.J.I.E.T./New L.J.I.E.T.". The main heading is "L.J. CAMPUS, S.G.ROAD, AHMEDABAD-382 210". Below it, the section title is "ADMISSION APPLICATION FORM FOR F.Y. DEGREE ENGINEERING (UNDER MQ / NRI / NRI SPONSORED SEATS 2020-2021)". The main heading is "12th Education Details". A note states: "Note: If scores and details are not available or awaited then enter NA or in case of marks enter 00." The form fields include:

School Name	Area
K R Raval	Ranip
City	School Located in Gujarat?
Ahmedabad	Yes
Medium	Board
Gujarati	Gujarat Board

At the bottom right are "Previous" and "Next" buttons. The browser taskbar at the bottom shows various icons and the date/time: 3:14 PM, 10/3/2020.

Fig. 5(6) Application Form(Education Details)

(UNDER MQ / NRI / NRI SPONSORED SEATS 2020-2021)

Your Preference

Note: If scores and details are not available or awaited then enter NA or in case of marks enter 00.

Would you like to apply under NRI/ NRI Sponsored ?

1st Preference	2nd Preference
IT (BlockChain)	IT(Data Science)
3rd Preference	4th Preference
CS (AI & ML)	ICT
5th Preference	6th Preference
IT	CE
7th Preference	8th Preference
NA	NA

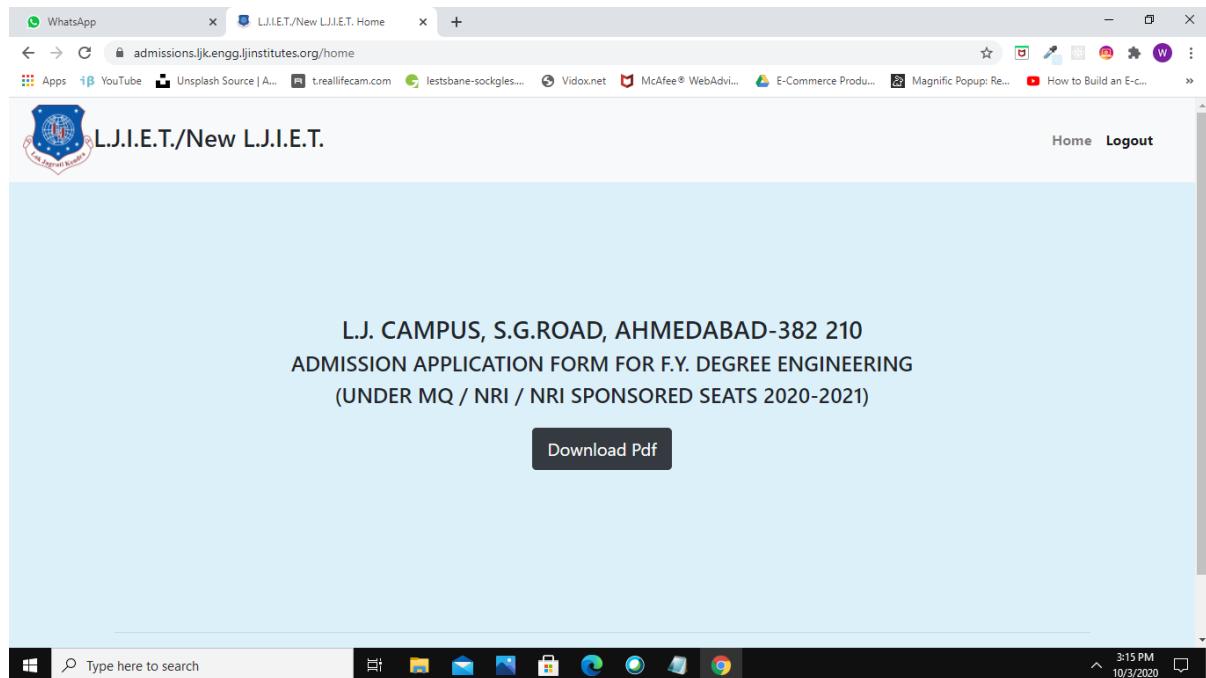
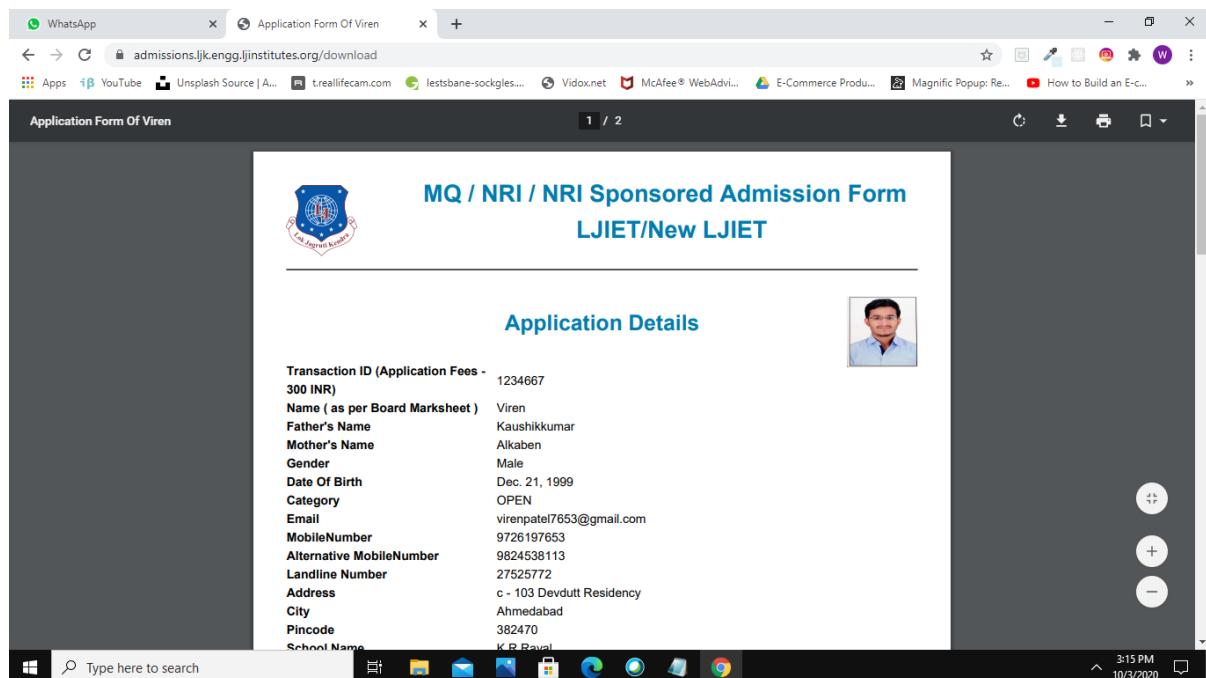
Previous **Submit** Preview

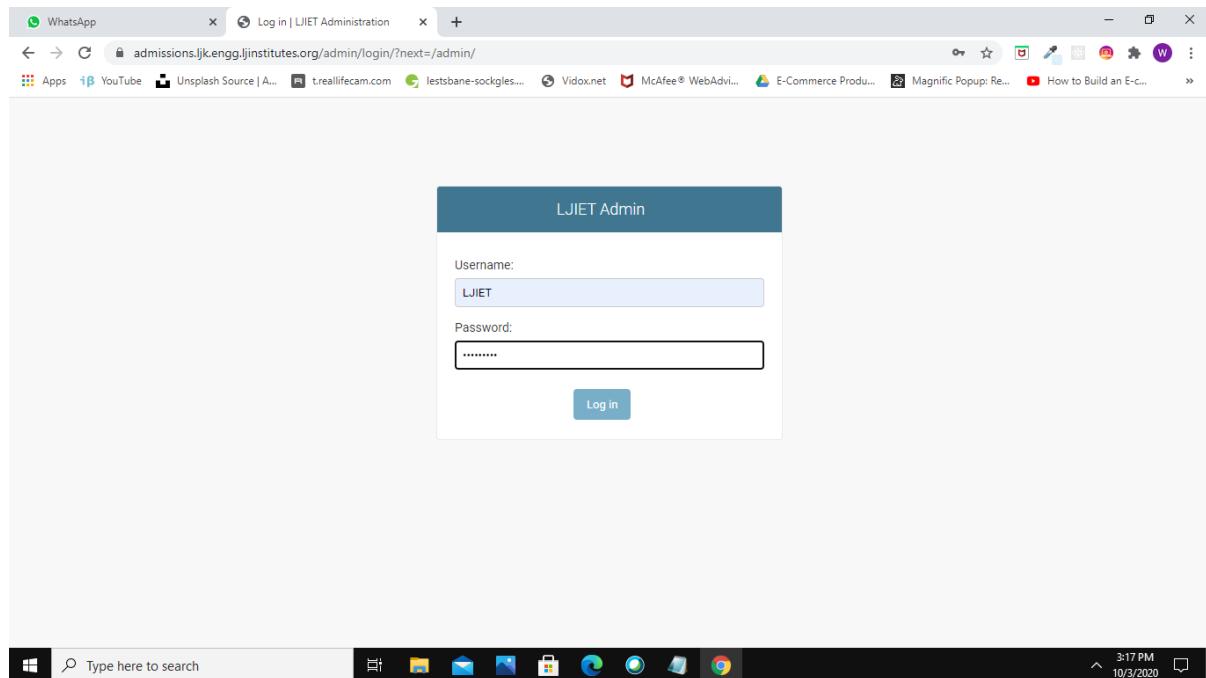
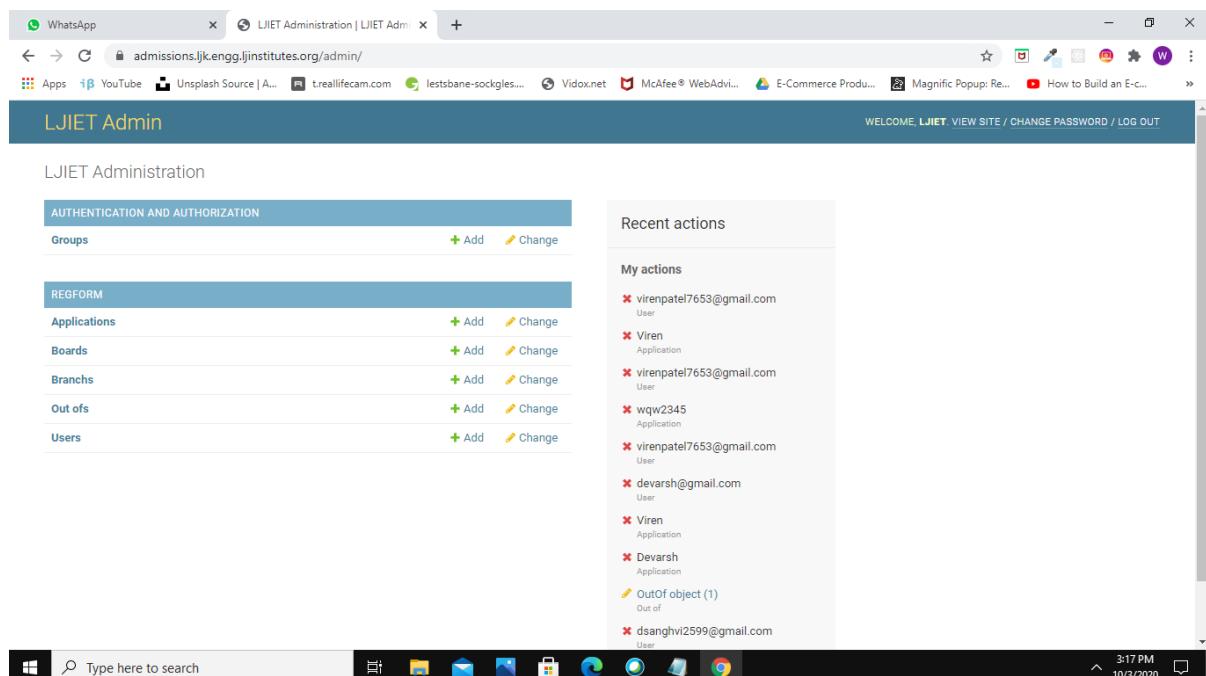
Fig. 5(7) Application Form(Your Preference)

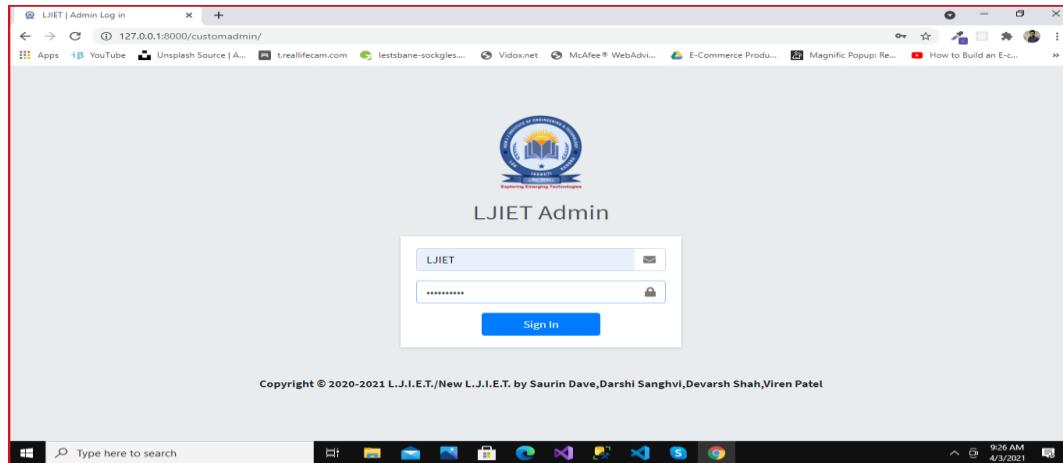
Preview Application Form

Transaction ID (Application Fees - 300 INR)	1234667
Name (as per Board Marksheets)	Viren
Father's Name	Kaushikkumar
Gender	Male
Date Of Birth	1999-12-21
Category	OPEN
Email	virenpatel7653@gmail.com
MobileNumber	9726197653
Alternative MobileNumber	9824538113

Fig. 5(8) Preview Application Form

**Fig. 5(9) Download Application****Fig. 5(10) Application PDF**

**Fig. 5(11) Admin Login****Fig. 5(12) Admin Dashboard**

**Fig. 5(13) Admin Login**
Fig. 5(14) Student Details
Fig. 5(15) Add Student

LJET Admin

Edit Student

First name	Last name
Ramesh	Magan
Email	Mobile Number
ramesh@gmail.com	9924484900
Branch	Semester
AI	Sem 1
Username	
170320132088	

Update Student

Fig. 5(16) Edit Student

LJET Admin

Mentor

Sr. No.	Fist Name	Last Name	Short Name	Reporting Head	User Name/Email	Mobile Number
1	Zishan	MM	ZKM	LJET	zishan@gmail.com	9876543212

+ Add Mentor

Showing 1 to 1 of 1 entries

Previous 1 Next

Fig. 5(17) Mentor Details

LJET Admin

Add Mentor

First name	Middle name	Last name
First Name is required	Middle Name is required	Last Name is required
Email	Mobile Number	
Email is required	Mobile Number is required	
Short Name	Alternative Mobile Number	Reporing Head
Short Name is required	✓	Select Reporting Head

Submit Reset

Fig. 5(18) Add Mentor

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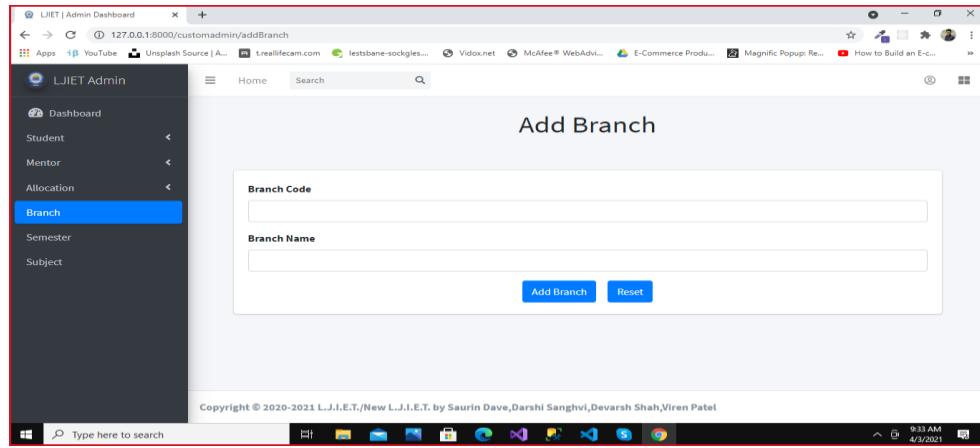
Fig. 5(19) Edit Mentor

Sr. No	Fist Name	Last Name	User Name	Branch	Semester	Email	Mobile Number	Allocated?
1	Ramesh	Magan	170320132088	AI	Sem-1	ramesh@gmail.com	9924484900	ZKM

Fig. 5(20) Mentor -Student Allocation

Sr. No	Branch Code	Branch Name	Action
1	234512	AI	Edit Delete
2	234578	CS	Edit Delete
3	230023	Data Science	Edit Delete
4	2345124	CLIO	Edit Delete

Fig. 5(21) Branch Details

**Fig. 5(22) Add Branch**

LJET Admin Dashboard

Semester

Sr. No.	Semester	
1	Sem-1	<input type="button" value="Delete"/>
2	Sem-2	<input type="button" value="Delete"/>
3	Sem-3	<input type="button" value="Delete"/>
4	Sem-4	<input type="button" value="Delete"/>
5	Sem-5	<input type="button" value="Delete"/>

Showing 1 to 5 of 8 entries

Fig. 5(23) Semester

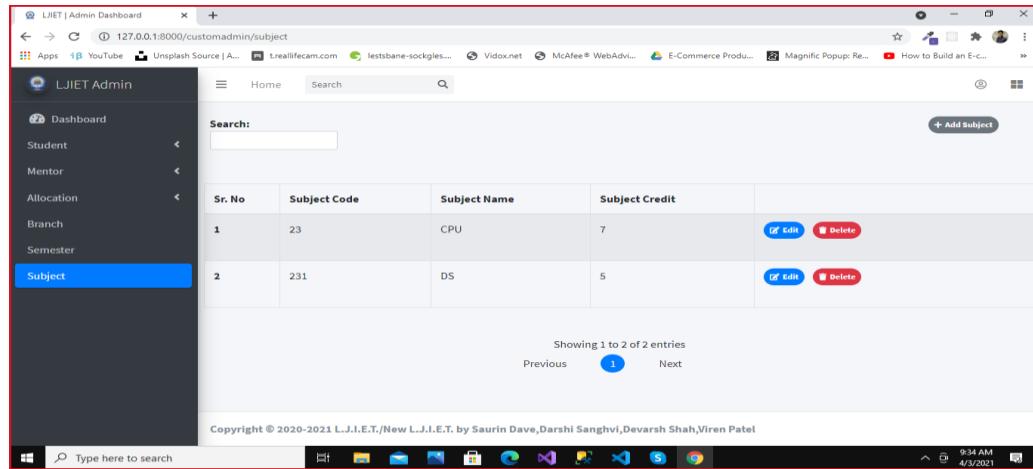
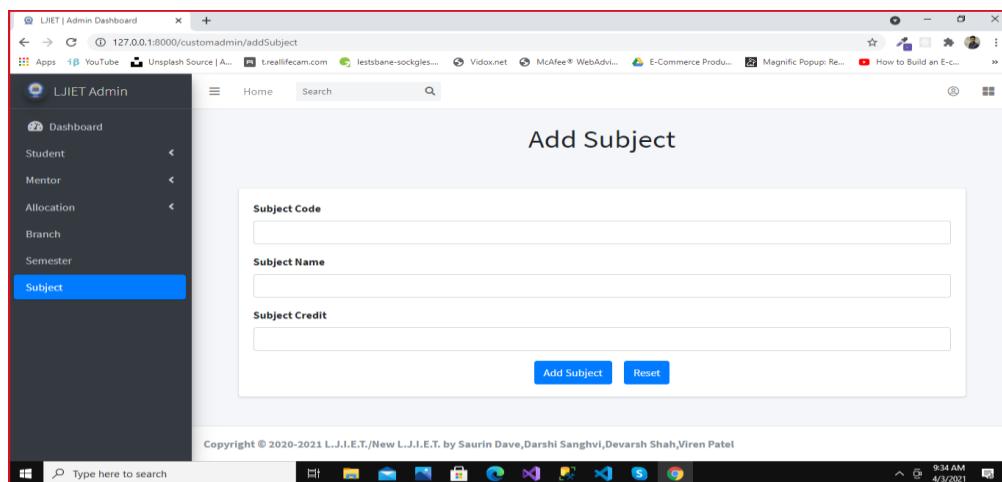
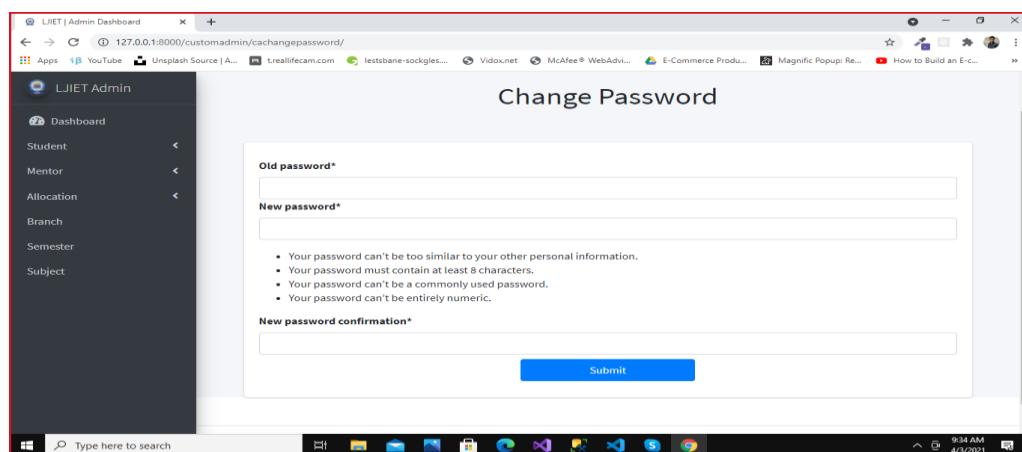
LJET Admin Dashboard

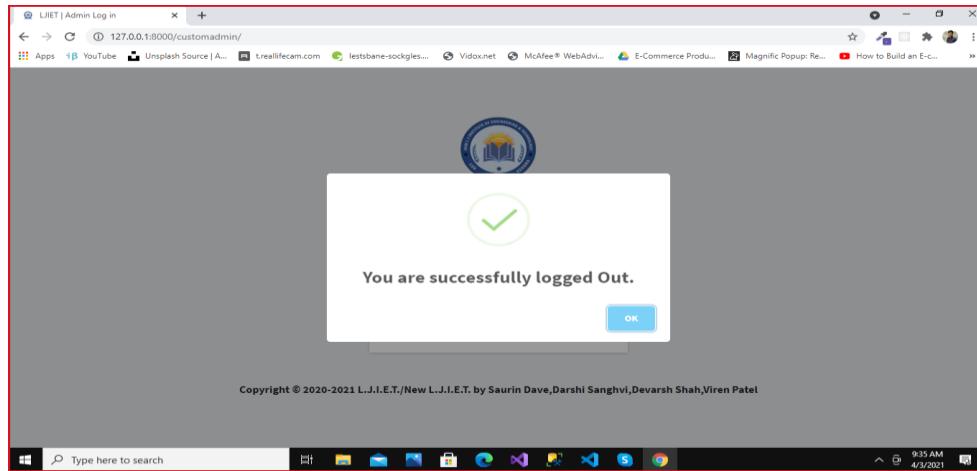
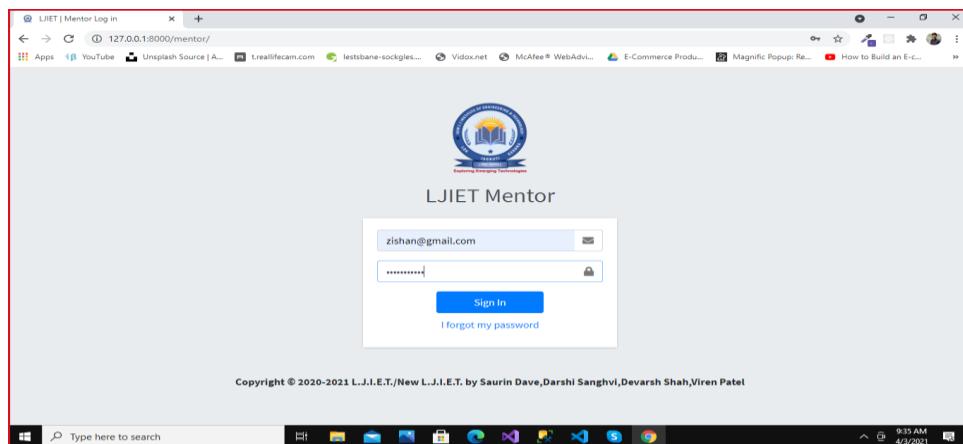
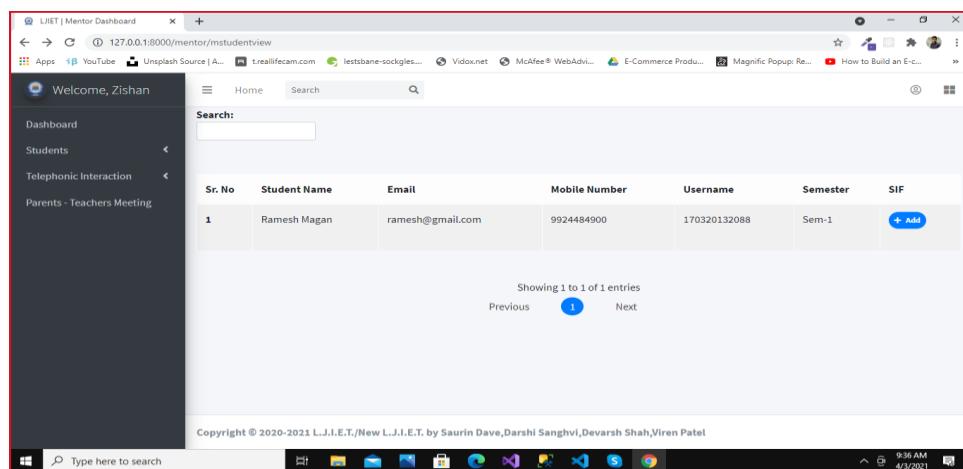
Add Semester

Enter Semester (e.g 6)
<input type="button" value="Add Semester"/> <input type="button" value="Reset"/>

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Fig. 5(24) Add Semester

**Fig. 5(25) Subject Details****Fig. 5(26) Add Subject****Fig. 5(27) Change Password**

**Fig. 5(28) Logout****Fig. 5(29) Mentor Login****Fig. 5(30) Student SIF**

Personal Details

First name: Ramesh
Surname: Magan
Email: ramesh@gmail.com

Mobile Number: 9924484900
Alternative Mobile Number: Enter Alternative Mobile Number
LandLine Number: Enter LandLine Number
AdharCard Number: Enter AdharCard Number

Gender: Select Gender
Date Of Birth: mm/dd/yyyy
Branch: Select Branches

Your Image (Image should be less than 1 MB)
Choose File: No file chosen

Fig. 5(31) SIF Personal Details-1

Home/Hostel Address Details

Area: Enter Area
City: Enter City
State: Enter State
PinCode: Enter PinCode

Home / Hostel
Home Hostel

Religion: Enter Religion
Caste: Enter Caste
Nationality: Enter Nationality
Reserve Category: Select Reserve Category

Is Physically Handicapped?: Yes No
Planning For Overseas?: Yes No

Blood Group: Enter Blood Group
Admitted Category: Select Admitted Category

Medical History:
Achievement:

Previous Next

Fig. 5(32) SIF Personal Details-2

Father's Details

Father's Name: Enter Father's Name
Father's Email: Enter Father's Email
Father's Mobile Number: Enter Father's Mobile Number
Father's Alternative Mobile: Enter Father's Alternative Mobile

Father's Qualification: Enter Father's Qualification
Father's Occupation: Enter Father's Occupation
Father's Designation: Enter Father's Designation

Father's Firm Name: Enter Father's Firm Name
Father's Firm Address: Enter Father's Firm Address
Father's Area Of Work: Enter Father's Area Of Work

Father's Image (Image should be less than 1 MB)
Choose File: No file chosen

Mother's Details

Mother's Name: Enter Mother's Name
Mother's Email: Enter Mother's Email
Mother's Mobile Number: Enter Mother's Mobile Number
Mother's Alternative Mobile: Enter Mother's Alternative Mobile

Mother's Qualification: Enter Mother's Qualification
Mother's Occupation: Enter Mother's Occupation
Mother's Designation: Enter Mother's Designation

Fig. 5(33) SIF Family Details-1

Mother's Qualification

Enter Mother's Qualification

Mother's Occupation

Enter Mother's Occupation

Mother's Designation

Enter Mother's Designation

Mother's Firm Name

Enter Mother's Firm Name

Mother's Firm Address

Enter Mother's Firm Address

Mother's Area Of Work

Enter Mother's Area Of Work

Mother's Image (Image should be less than 1 MB)

Choose File | No file chosen

Guardian's Details

Guardian's Name	Guardian's Email	Guardian's Mobile Number	Guardian's Alternative Mobile
Enter Guardian's Name	Enter Guardian's Email	Enter Guardian's Mobile Number	Enter Guardian's Alternative Mob

Guardian's Qualification	Guardian's Occupation	Guardian's Designation
Enter Guardian's Qualification	Enter Guardian's Occupation	Enter Guardian's Designation

Guardian's Firm Name	Guardian's Firm Address	Guardian's Area Of Work
Enter Guardian Firm Name	Enter Guardian's Firm Address	Enter Guardian's Area Of Work

Guardian's Image (Image should be less than 1 MB)

Fig. 5(34) SIF Family Details-2

Family Income

Vip Post

Yes No

Family's Other Details

Brother/Sister's Name #01	Brother/Sister's Age #01	Brother/Sister's Education #01	Brother/Sister's Contact No #01
Enter Brother/Sister's Name #01	Enter Brother/Sister's Age #01	Enter Brother/Sister's Education I	Enter Brother/Sister's Contact No

Brother/Sister's Name #02	Brother/Sister's Age #02	Brother/Sister's Education #02	Brother/Sister's Contact No #02
Enter Brother/Sister's Name #02	Enter Brother/Sister's Age #02	Enter Brother/Sister's Education I	Enter Brother/Sister's Contact No

Mention the below details of student's family member (if any) studied at any institution run by Lok-Jagruti Trust

Alumni Family Student's Name	Alumni Family Student's Cotate Number	Alumni Family Student's Course Name
Enter Alumni Family Student's Name	Enter Alumni Family Student's Cotate Number	Enter Alumni Family Student's Course Name

Fig. 5(35) SIF Family Details-3

Educational Details

Student Name (As Per SSC)	Medium Of Study	HSC Board In School	HSC Passing Year
Enter Student Name	Select Medium Of Study	Select Board In School

JEE CRL Rank	JEE Application No	ACPC Merit Rank	GUJCET ROLL No
Enter JEE CRL Rank	Enter JEE Application No	Enter ACPC Merit Rank	Enter GUJCET ROLL No

School Address	School Name	School City	School State
Enter School Address	Enter School Name	Enter School City	Enter School State

	Marks Obtained	Out Of
SSC Total		
HSC Maths		
HSC Physics		
HSC Chemistry		
HSC Total		
GUJCET Total		

Fig. 5(36) SIF Educational Details

Other Details

Distance From Home To L.J.	Time To Reach LJ	Mode Of Transport
Enter Distance From Home To Lj	Enter time to reach Lj	Select Mode Of Transport
Bus Route Number	Pickup Drop Stand	Pickup Time
Enter Bus Route Number	Enter Pickup Drop Stand	Enter Pickup Time
Do you want attendance updates regularly?	Do you want result updates regularly?	Preferred Mode Communication
<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	Select Preferred Mode Comm
Why you have selected L. J.?	Did you visit LJET before taking admission?	Why did you opt for Engineering?
Select Your Choice	<input type="radio"/> Yes <input type="radio"/> No	Select Your Choice
Name Of Counsellor	Name Of Referd Person	Contact Number Of Referd Person
Enter Name Of Counsellor	Enter Name Of Referd Person	Enter Contact Number Of Referd Person
Enrollment No Of Senior Student Known from LJET	Mobile Number Of Senior Student Known from LJET	Semester Of Senior Student Known from LJET
Enter Enrollment No Of Senior St	Enter Mobile Number Of Senior S	Select Semester
Branch Of Senior Student Known from LJET	Branch Of Senior Student Known from LJET	Select Branches
Enter Enrollment No Of Senior St	Enter Mobile Number Of Senior S	Select Semester
Mobile Number Of Senior Student Known from LJET	Semester Of Senior Student Known from LJET	Select Branches

Fig. 5(37) SIF Other Details-1

Other Details

Enrollment No Of Senior Student Known from LJET	Mobile Number Of Senior Student Known from LJET	Semester Of Senior Student Known from LJET	Branch Of Senior Student Known from LJET
Enter Enrollment No Of Senior St	Enter Mobile Number Of Senior S	Select Semester	Select Branches
Name Of Person having High Work Profile	Relation with Student	Occupation	Contact No.
Enter Name Of Person	Enter Relation with Student	Enter Occupation	Enter Contact No
Company Name	Designation	Company Address	
Enter Company Name	Enter Designation		
Area Of Work	Do you know Dr. Manish Shah / Prof. B.M. Pezada directly or indirectly? <input type="radio"/> Yes <input type="radio"/> No If yes, how?		
Select Area Of Work			
<input type="button" value="Submit"/> <input type="button" value="Previous"/>			

Fig. 5(38) SIF Other Details-2

LJET Admin

Sr. No.	Student Name	Email	Mobile Number	Username	Semester	SIF
1	Ramesh Magan	ramesh@gmail.com	9924484900	170320132088	Sem-1	

Showing 1 to 1 of 1 entries
Previous Next

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Fig. 5(39) SIF Details

Add Less Attendance Call

Student **Semester**
 Select student Select Semester

Date **Time** **Duration**
 mm/dd/yyyy dropdown Enter Duration (in Mins only)

Discussed with **Teaching Week No (As Per Academic Cal...)** **% of Attend**
 Select Discussed with Enter Teaching Week No Enter % of Attend

Parents Remarks **Faculty Remarks**

Submit **Reset**

Fig. 5(40) Add Less Attendance Call

Add Poor Result Call

Student **Semester**
 Select student Select Semester

Date **Time** **Duration**
 mm/dd/yyyy dropdown Enter Duration (in Mins only)

Discussed with **Name Of Exam** **Fail Subject Name**
 Select Discussed with Enter Name Of Exam Select Subject

Parents Remarks **Faculty Remarks**

Submit **Reset**

Fig. 5(41) Add Poor Result Call

Add Other Reason Call

Student **Semester**
 Select student Select Semester

Date **Time** **Duration**
 mm/dd/yyyy dropdown Enter Duration (in Mins only)

Discussed with **Reason For Call**
 Select Discussed with Enter Reason For Call

Parents Remarks **Faculty Remarks**

Submit **Reset**

Fig. 5(42) Add Other Reason Call

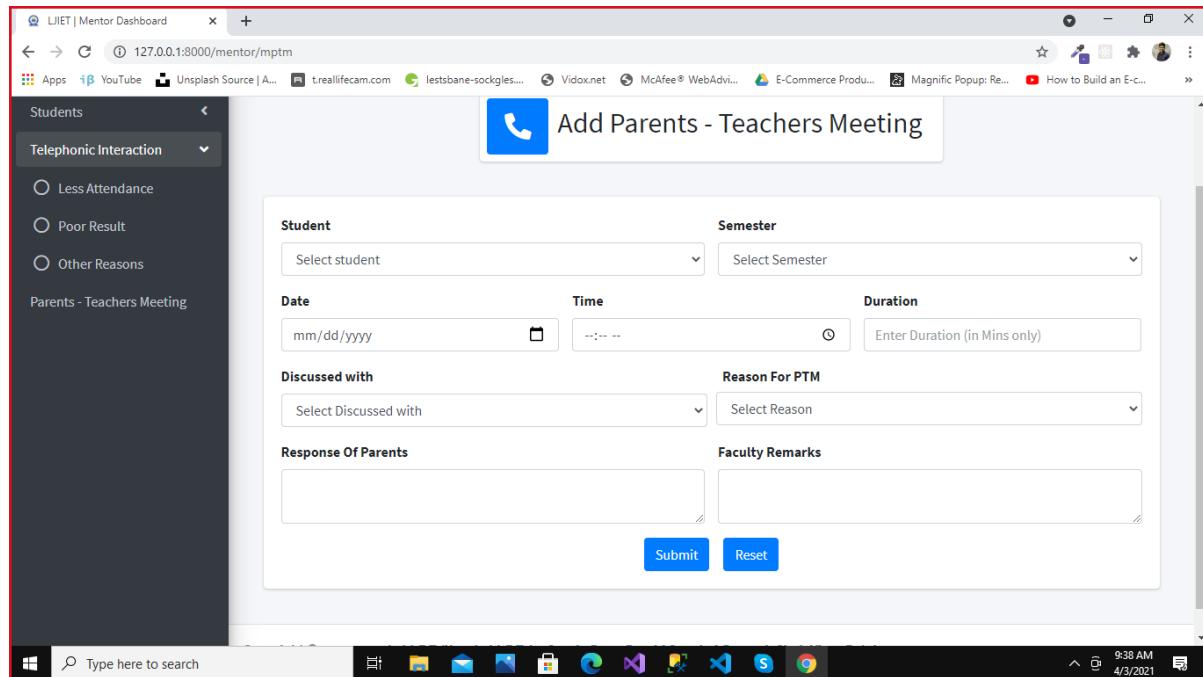


Fig. 5(43) Add Parents-Teacher Meeting

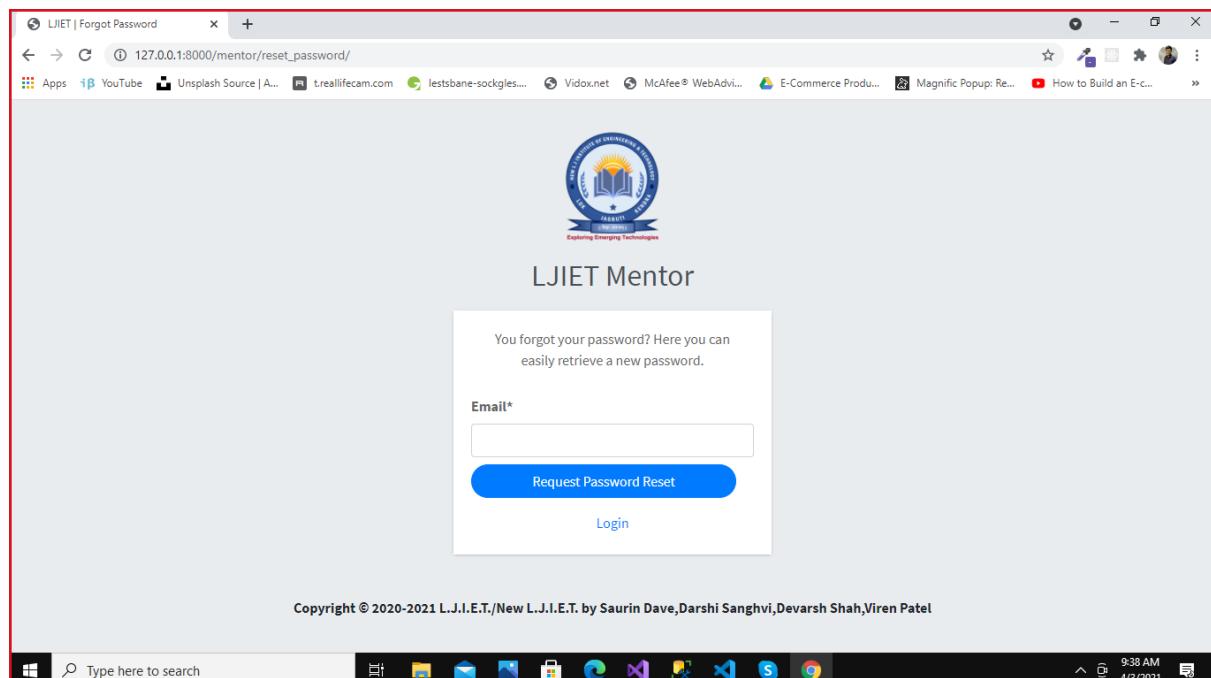


Fig. 5(44) Forgot Password

Chapter 6 Future Enhancement

- We will make a module of Daily Report of Faculty in which faculty can mark their attendance and also they can submit their daily report. Admin can see the performance of faculty based on their daily report.
- Further, the faculty can upload the videos and study materials of their lectures on this site and students who had missed those classes can view those videos and notes.

Chapter 7 Conclusion

- Using this web application we convert hard work into smart work. we made an admission form using that form students can fill the form and download their application in the pdf format. The proposed system can provide to all activities like manage Student Information Form(SIF),to filter data by different categories, to make marks formulation dynamically in one platform. The advantages of the system are that user can easily access the system anywhere and anytime. Retains students and college management members time.
- The application provides appropriate information to users according to chosen service. The system is developed by keeping in view the day to day problems faced by a college. Deployment of our system will certainly help the college to reduce unnecessary wastage of time in personally going to each department for some information.

Chapter 8 References

1. <https://nevonprojects.com/online-college-admission-management-system-project/>
2. <https://patents.google.com/patent/US20070184423A1/en?q=Student+records&oq=Student+records>
3. <http://www.muengineers.in/computer-project-list/java-projects-list/college-management-system>
4. <https://patents.google.com/patent/US20130330704A1/en?q=Collage+Admission+Portal&oq=Collage+Admission+Portal&page=14>
5. <https://projectworlds.in/online-admission-system-project-report-synopsis-in-php/>
6. <https://patents.google.com/patent/US20120034591A1/en?q=Student+history+website&oq=Student+history+website>
7. <https://sites.google.com/site/ignoubcafinalyearprojects/project-report/college-management-system-project-report>

Chapter 9 Appendix

9.1 Periodic Progress Reports(PPR)

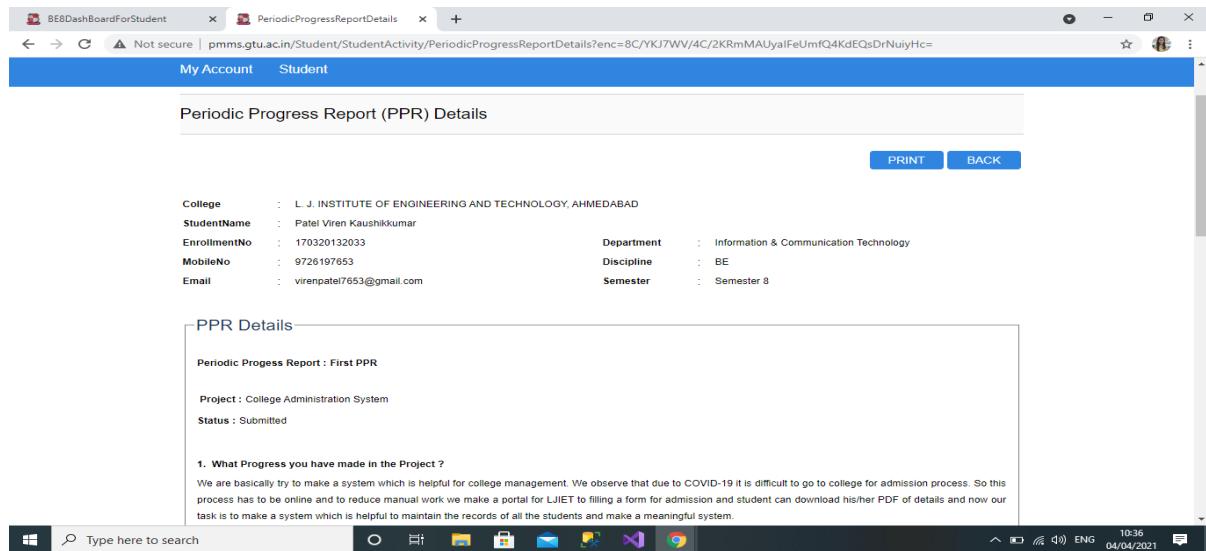


Fig. 9(a) Member 1- First PPR

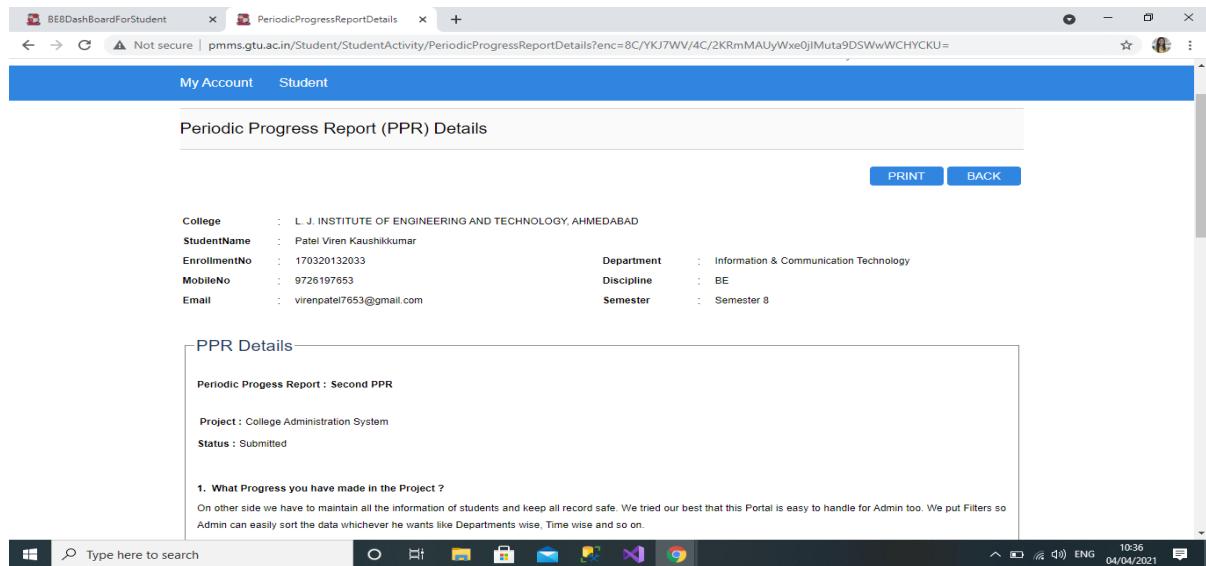


Fig. 9(b) Member 1- Second PPR

The screenshot shows a web browser window with two tabs: "BE8DashBoardForStudent" and "PeriodicProgressReportDetails". The main content area displays "Periodic Progress Report (PPR) Details".

Personal Information:

- College : L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
- StudentName : Patel Viren Kaushikumar
- EnrollmentNo : 170320132033
- MobileNo : 9726197653
- Email : virenpatel7653@gmail.com
- Department : Information & Communication Technology
- Discipline : BE
- Semester : Semester 8

PPR Details:

Periodic Progress Report : Third PPR

Project : College Administration System

Status : Submitted

1. What Progress you have made in the Project ?

Now we are trying to figure out some pros and cons of College management system which is now working by manual work and the System which we are trying to implement through our Website. We do some work for the number of modules which are needed and the work flow of that modules.

Fig. 9(c) Member 1- Third PPR

The screenshot shows a web browser window with two tabs: "BE8DashBoardForStudent" and "PeriodicProgressReportDetails". The main content area displays "Periodic Progress Report (PPR) Details".

Personal Information:

- College : L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
- StudentName : Patel Viren Kaushikumar
- EnrollmentNo : 170320132033
- MobileNo : 9726197653
- Email : virenpatel7653@gmail.com
- Department : Information & Communication Technology
- Discipline : BE
- Semester : Semester 8

PPR Details:

Periodic Progress Report : Forth PPR

Project : College Administration System

Status : Submitted

1. What Progress you have made in the Project ?

Now the Task which we observe is to keep Students records like SiF(Student Information Form) and maintain Student Information by Mentor side is recorded in Hard copy and also Faculties maintain their daily report manually. So now we start to work on it. For that we are trying to understand the work flow and prepare some database tables for that.

Fig. 9(d) Member 1- Fourth PPR

The screenshot shows a web browser window titled "Periodic Progress Report (PPR) Details". The URL is pmms.gtu.ac.in/Student/StudentActivity/PeriodicProgressReportDetails?enc=8C/YKJ7WV/4C/2KRmMAUyQazyVzj8miByM1BTplHxaU=. The page displays student information and PPR details.

Student Information:

- College : L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
- StudentName : Sanghvi Darshi Nitinbhai
- EnrollmentNo : 170320132039
- MobileNo : 9574826974
- Email : dsanghvi2599@gmail.com
- Department : Information & Communication Technology
- Discipline : BE
- Semester : Semester 8

PPR Details:

Periodic Progress Report : First PPR

Project : College Administration System

Status : Submitted

1. What Progress you have made in the Project ?

We are basically try to make a system which is helpful for college management. We observe that due to COVID-19 it is difficult to go to college for admission process. So this process has to be online and to reduce manual work we make a portal for LJET by filling a form for admission and student can download his/her PDF of details and now our task is to make a system which is helpful to maintain the records of all the students and make a meaningful system.

Fig. 9(e) Member 2- First PPR

The screenshot shows a web browser window titled "Periodic Progress Report (PPR) Details". The URL is pmms.gtu.ac.in/Student/StudentActivity/PeriodicProgressReportDetails?enc=8C/YKJ7WV/4C/2KRmMAUyTvmvs1QLC8QdLhbjb2tMPM=. The page displays student information and PPR details.

Student Information:

- College : L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
- StudentName : Sanghvi Darshi Nitinbhai
- EnrollmentNo : 170320132039
- MobileNo : 9574826974
- Email : dsanghvi2599@gmail.com
- Department : Information & Communication Technology
- Discipline : BE
- Semester : Semester 8

PPR Details:

Periodic Progress Report : Second PPR

Project : College Administration System

Status : Submitted

1. What Progress you have made in the Project ?

On other side we have to maintain all the information of students and keep all record safe. We tried our best that this Portal is easy to handle for Admin too. We put Filters so Admin can easily sort the data whichever he wants like Departments wise, Time wise and so on.

Fig. 9(f) Member 2- Second PPR

Periodic Progress Report (PPR) Details

PRINT **BACK**

College	:	L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
StudentName	:	Sanghvi Darshi Nitinbhai
EnrollmentNo	:	170320132039
MobileNo	:	9574826974
Email	:	dsanghvi2599@gmail.com
Department	:	Information & Communication Technology
Discipline	:	BE
Semester	:	Semester 8

PPR Details

Periodic Progress Report : Third PPR

Project : College Administration System

Status : Submitted

1. What Progress you have made in the Project ?

Now we are trying to figure out some pros and cons of College management system which is now working by manual work and the System which we are trying to implement through our Website. We do some work for the number of modules which are needed and the work flow of that modules.

Fig. 9(g) Member 2- Third PPR

Periodic Progress Report (PPR) Details

PRINT **BACK**

College	:	L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
StudentName	:	Sanghvi Darshi Nitinbhai
EnrollmentNo	:	170320132039
MobileNo	:	9574826974
Email	:	dsanghvi2599@gmail.com
Department	:	Information & Communication Technology
Discipline	:	BE
Semester	:	Semester 8

PPR Details

Periodic Progress Report : Forth PPR

Project : College Administration System

Status : Submitted

1. What Progress you have made in the Project ?

Now the Task which we observe is to keep Students records like SIF(Student Information Form) and maintain Student Information by Mentor side is recorded in Hard copy and also Faculties maintain their daily report manually. So now we start to work on it. For that we are trying to understand the work flow and prepare some database tables for that.

Fig. 9(h) Member 2- Fourth PPR

The screenshot shows a web browser window titled "Periodic Progress Report (PPR) Details". The URL is pmms.gtu.ac.in/Student/StudentActivity/PeriodicProgressReportDetails?enc=toEU+Gb+3Evaf3J4PmXek48JxvUcGF1kWw3xyF+79o4=. The page displays student information and PPR details.

Student Information:

- College: L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
- StudentName: Shah Devarsh Arvindbhai
- EnrollmentNo: 170320132042
- MobileNo: 7572892331
- Email: devarshshah19820@gmail.com
- Department: Information & Communication Technology
- Discipline: BE
- Semester: Semester 8

PPR Details:

Periodic Progress Report: First PPR

Project: College Administration System

Status: Submitted

1. What Progress you have made in the Project ?

We are basically trying to make a system which is helpful for college management. We observe that due to COVID-19 it is difficult to go to college for admission process. So this process has to be online and to reduce manual work we make a portal for LJET to filling a form for admission and student can download his/her PDF of details and now our task is to make a system which is helpful to maintain the records of all the students and make a meaningful system.

Fig. 9(i) Member 3- First PPR

The screenshot shows a web browser window titled "Periodic Progress Report (PPR) Details". The URL is pmms.gtu.ac.in/Student/StudentActivity/PeriodicProgressReportDetails?enc=toEU+Gb+3Evaf3J4PmXek46/+POhydJl7aVY12qk4JA=. The page displays student information and PPR details.

Student Information:

- College: L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
- StudentName: Shah Devarsh Arvindbhai
- EnrollmentNo: 170320132042
- MobileNo: 7572892331
- Email: devarshshah19820@gmail.com
- Department: Information & Communication Technology
- Discipline: BE
- Semester: Semester 8

PPR Details:

Periodic Progress Report: Second PPR

Project: College Administration System

Status: Submitted

1. What Progress you have made in the Project ?

On other side we have to maintain all the information of students and keep all record safe. We tried our best that this Portal is easy to handle for Admin too. We put Filters so Admin can easily sort the data whichever he wants like Departments wise, Time wise and so on.

2. What challenge you have faced ?

SECURITY is another challenge. In the midst of design and user experience, web app security is often neglected. But security should be considered throughout the development process.

Fig. 9(j) Member 3- Second PPR

The screenshot shows a web browser window titled "Periodic Progress Report (PPR) Details". The URL is pmms.gtu.ac.in/Student/StudentActivity/PeriodicProgressReportDetails?enc=t0EU+Gb+3Evaf3J4PmXekzS2WYVccTCoFf6XPCaTpYQ=. The page displays student information and PPR details.

Student Information:

- College : L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
- StudentName : Shah Devarsh Arvindbhai
- EnrollmentNo : 170320132042
- MobileNo : 7572892331
- Email : devarshshah1982@gmail.com
- Department : Information & Communication Technology
- Discipline : BE
- Semester : Semester 8

PPR Details:

Periodic Progress Report : Third PPR

Project : College Administration System

Status : Submitted

1. What Progress you have made in the Project ?
Now we are trying to figure out some pros and cons of College management system which is now working by manual work and the System which we are trying to implement through our Website. We do some work for the number of modules which are needed and the work flow of that modules.

2. What challenge you have faced ?
SPEFD is another challenge. This certainly will be a priority. We are trying to reduce manual work by making this Website. But if the website is slow to access, it will

Windows taskbar at the bottom: Type here to search, File Explorer, Mail, Google Chrome, VS Code, Task View, etc. Date: 04/04/2021, Time: 10:44, ENG

Fig. 9(k) Member 3- Third PPR

The screenshot shows a web browser window titled "Periodic Progress Report (PPR) Details". The URL is pmms.gtu.ac.in/Student/StudentActivity/PeriodicProgressReportDetails?enc=t0EU+Gb+3Evaf3J4PmXek816V00rlpH1dF25CzMtaV4=. The page displays student information and PPR details.

Student Information:

- College : L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
- StudentName : Shah Devarsh Arvindbhai
- EnrollmentNo : 170320132042
- MobileNo : 7572892331
- Email : devarshshah1982@gmail.com
- Department : Information & Communication Technology
- Discipline : BE
- Semester : Semester 8

PPR Details:

Periodic Progress Report : Forth PPR

Project : College Administration System

Status : Submitted

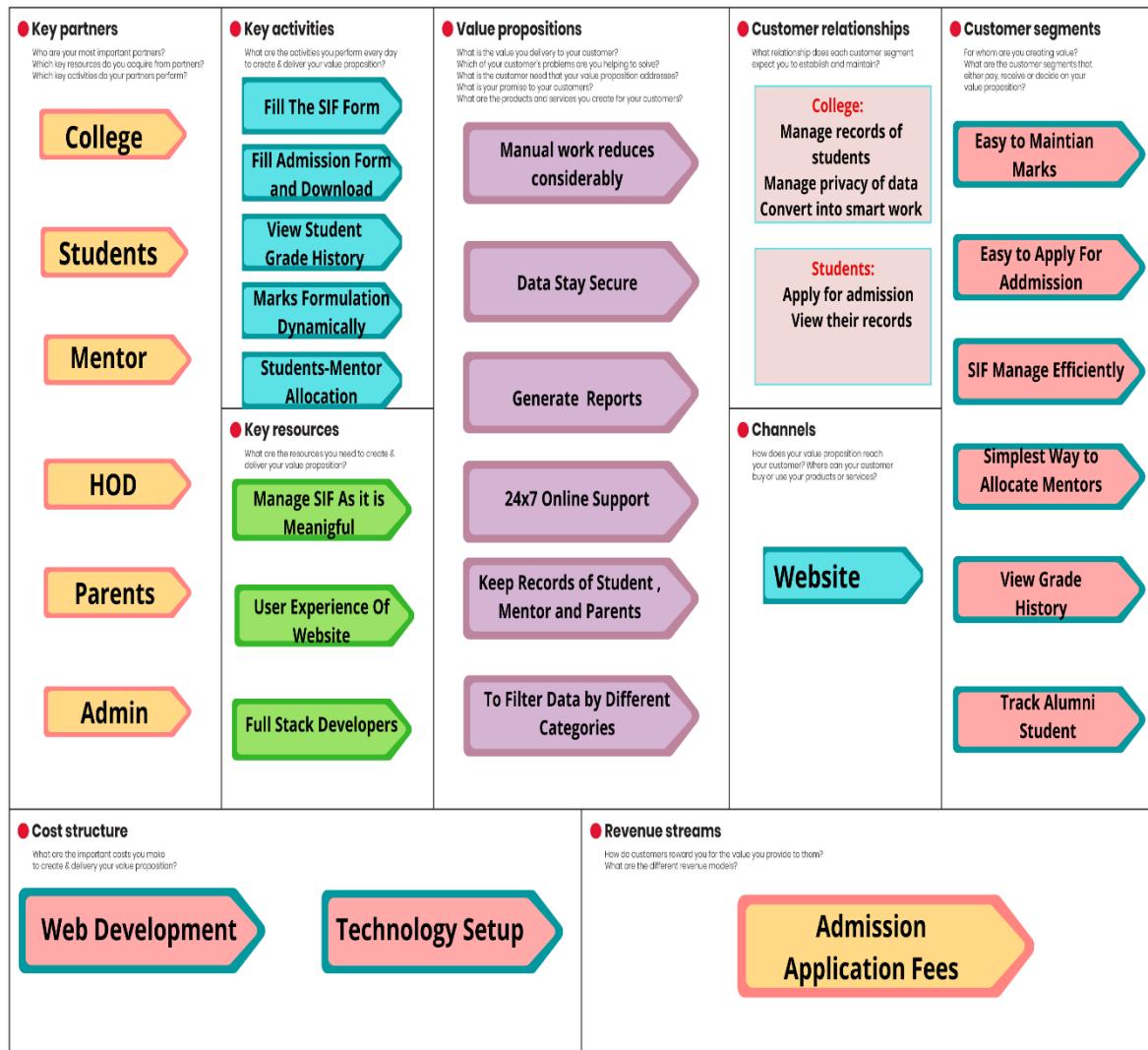
1. What Progress you have made in the Project ?
Now the Task which we observe is to keep Students records like SIF(Student Information Form) and maintain Student Information by Mentor side is recorded in Hard copy and also Faculties maintain their daily report manually. So now we start to work on it. For that we are trying to understand the work flow and prepare some database tables for that.

Windows taskbar at the bottom: Type here to search, File Explorer, Mail, Google Chrome, VS Code, Task View, etc. Date: 04/04/2021, Time: 10:44, ENG

Fig. 9(l) Member 3- Fourth PPR

9.2 Business Model Canvas(BMC)

BMI • Business model canvas



Brought to you by Business Models Inc

www.businessmodelgeneration.com

Fig. 9(m) Business Model Canvas(BMC)

Key Partners :-

In this we can do partnership with various college organizations. Here we are doing project for L.J.I.E.T.

- College:

Mentor, HOD, Admin are key partners in our product which will have access to our Website.

- Students:

Students perform major role for our website. All the data of student managed by our website.

- Parents:

Parents can view their child's performance through our website.

Key Activities :-

In this we mention following key activities of our website:

- Fill The SIF Form:

In this we manage student's personal, educational, technical, co-curricular activities information.

- Fill Admission Form And Download Pdf:

We make a portal for LJIET to filling a form for admission and student can download his/her PDF of details.

- View Student Grade History:

Students are able to see their grade history which includes all exam like MSE, IPE, Final Internal , External marks of all semester .

- Marks Formulation Dynamically:

We can generate final marks from all the records like MSE, IPE automatically according to formula.

- Student-Mentor Allocation:

Admin can allocate mentors to specific student.

Value Propositions :-

In this we mention that how it is usable and beneficial for college and which kind of services we will provide to users.

Manual work reduces considerably:

To keep Students records like SIF(Student Information Form) and maintain Student Information by Mentor side is recorded in Hard copy. We will try to convert this hard work into Smart work by making Website.

Data Stay Secure:

Security is the biggest concern for all the users. we will keep all the records of student safe.

Generate Reports:

Admin can generate report according to their needs. Student and admin can download the application form.

24x7 Online Support:

Our website is available 24*7 for all the users so students can view their grade history any time.

Mentor can manage their students and admin can maintain and view all the records of students 24*7.

Keep Records Of Student, Mentor and Parents:

All the information like Parents-Mentor communication for poor results, less attendance or any PTM for further reasons will be maintained through our website. So admin can keep watching of all the students records at any time.

To Filter Data by Different Categories:

Admin can filter data according to their needs and also he/she can filter according to different categories like semester, branch, performance.

Key Resources :-

Key Resources is the building block describing the most important assets needed to make a business model work. Every business model requires them, and it is only through them that companies generate Value Propositions and Revenues. Key resources can be physical, financial, intellectual, or human.

Manage SIF As it is Meaningful:

Student Information Form(SIF) is the biggest module of our website.

We have to manage SIF in this way that it's information is meaningful for all the students and it should be consistent for all the user.

User Experience of Website:

UX(Experience) is important because it tries to fulfill the user's needs. It aims to provide positive experiences that keep users interacting.

Full Stack Developer:

To develop this kind of website we require full stack developer which can develop front end and back end as well as manage Database.

Customer Relationships :-

In this section we get to know about how they will manage the relationship with customer by giving them lucrative services.

College:

To keep Students records like SIF(Student Information Form) and maintain Student Information by Mentor side is recorded in Hard copy. We will try to convert this hard work into Smart work by making Website.

Security is the biggest concern for all the users. we will keep all the records of student safe.

In this we manage student's personal, educational, technical, co-curricular activities information.

Students:

We make a portal for LJIET to filling a form for admission and student can download his/her PDF of details.

Students are able to see their grade history which includes all exam like MSE, IPE, Final Internal , External marks of all semester .

Customer Segments :-

Easy to Maintain Marks:

LJIET conducts two MSE exams, IPE and there are some performance based marks so all these records are difficult to manage manually.

So through our website all these records are easily managed and marks can be calculated dynamically.

Easy to Apply For Admission:

Due to COVID-19 it is difficult to go to college for admission process .So this process has to be online and to reduce manual work we make a portal for LJIET to filling a form for admission and student can download his/her PDF of details

SIF Manage Efficiently:

To keep Students records like SIF(Student Information Form) and maintain Student Information by Mentor side is recorded in Hard copy. We will try to convert this hard work into Smart work by making Website.

Simplest way to Allocate Mentors:

Admin have to allocate some mentors to students for manage records of their students.

Admin have to do this work manually but now through our website it is easy to allocate mentors and now there is transparency between number of students for particular mentor.

View Grade History:

Students are able to see their grade history which includes all exam like MSE, IPE, Final Internal , External marks of all semester.

Track Alumni Student:

We can manage all the basis records of alumni students like in which firm they are working currently and in which city. So Students can interact with them related their future plan.

Channels :-

Channels are a critical element of the business model. They are how a company communicates with and reaches its customer segments.

Website:

Website for College Administration System is to manage the records of students through SIF and apply for admission for freshers.

Cost Structure :-

What Is the Cost Structure in The Business Model Canvas? The Business Model Canvas cost structure describes the costs that business occurs through its operations. These include College Administration associated with all activities .

Web Development:

Sales include “operations and activities involved in promoting and selling goods or services.” Marketing includes “the process or technique of promoting, selling, and distributing a product or service. Cost may vary according to sales and marketing.

Technology Setup:

Cost of technology setup includes servers cost, Cloud storage cost and hosting cost.

Revenue Streams :-

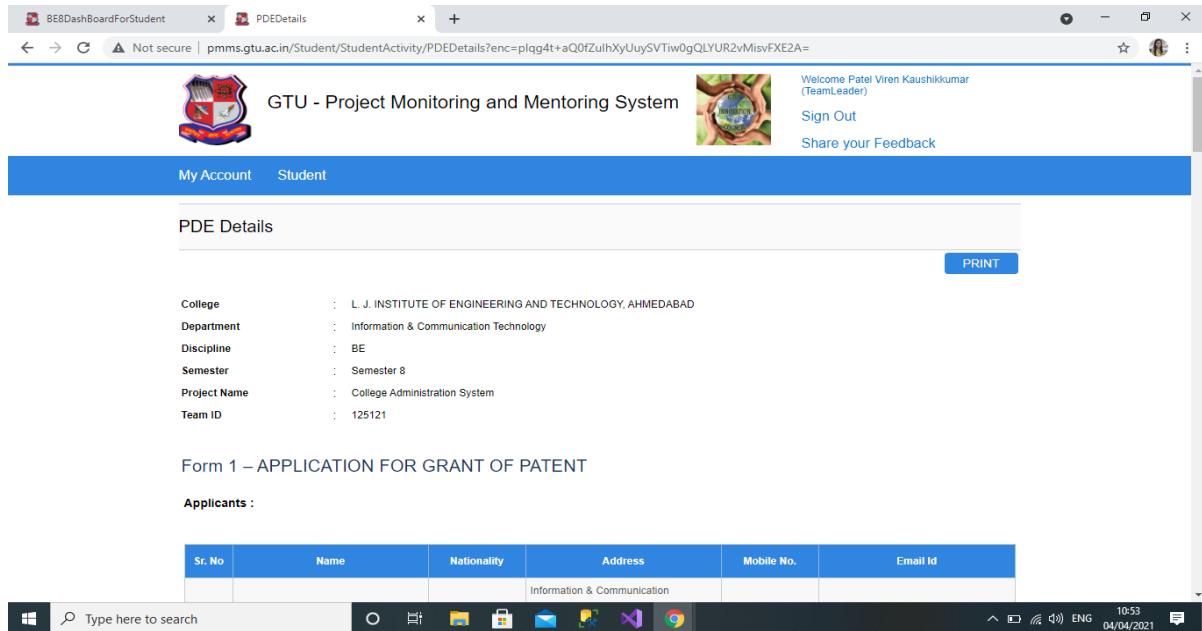
A Revenue Stream is the building block presenting the cash a company generates from each Customer Segment. Most businesses need at least one great revenue stream to earn money.

Revenue Streams can be generated in many different ways and you can use a mix of these different ways for your company:

- Admission Application Fees:

Student can fill the application form for admission in LJIET if and only he/she have transaction ID which means basic fess for applying for admission. So these generate revenue for our website.

9.3 Patent Drafting Exercise(PDE)

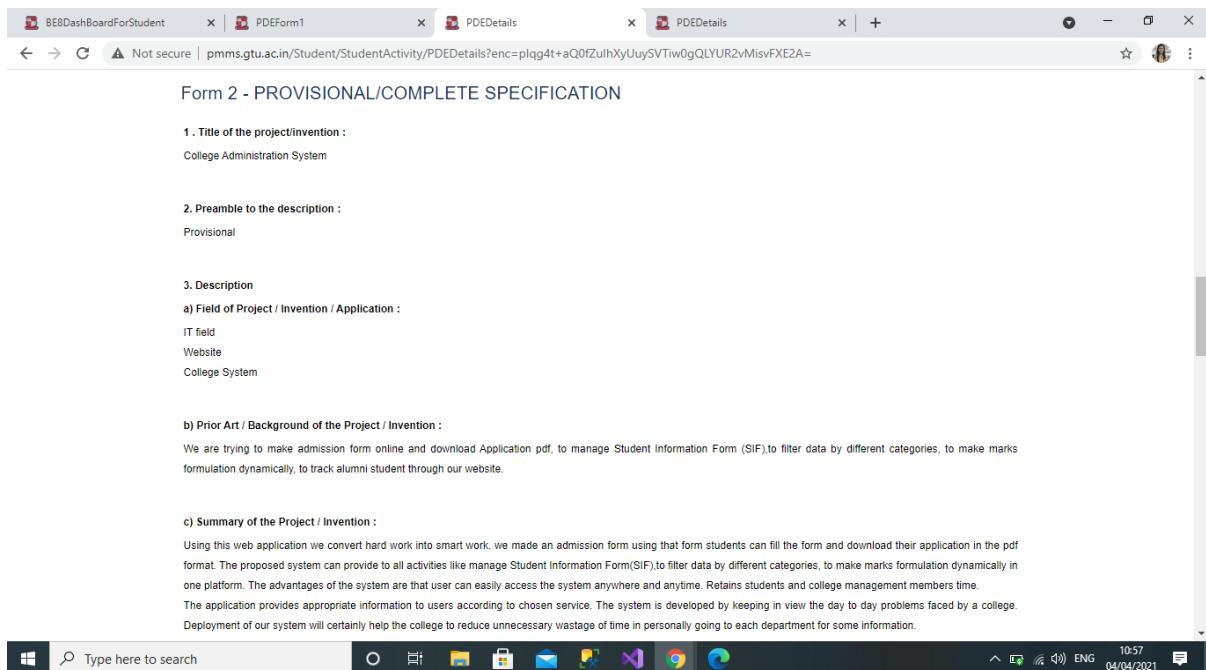


The screenshot shows a web browser window for the GTU Project Monitoring and Mentoring System. The title bar says "PDEDetails". The page header includes the GTU logo, the system name "GTU - Project Monitoring and Mentoring System", and a welcome message for "Viren Kaushikkumar (TeamLeader)". It also has links for "Sign Out" and "Share your Feedback". A blue navigation bar at the top has "My Account" and "Student" options. Below it, a section titled "PDE Details" contains a table of project information:

College	L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD
Department	Information & Communication Technology
Discipline	BE
Semester	Semester 8
Project Name	College Administration System
Team ID	125121

Below the table, the text "Form 1 – APPLICATION FOR GRANT OF PATENT" is displayed. Under "Applicants:", there is a table with columns: Sr. No, Name, Nationality, Address, Mobile No., and Email Id. The "Name" column is currently empty. The status bar at the bottom shows "10:53 04/04/2021 ENG".

Fig. 9(n) PDE Form-1



The screenshot shows a web browser window for the GTU Project Monitoring and Mentoring System. The title bar says "PDEForm1". The page header includes the GTU logo, the system name "GTU - Project Monitoring and Mentoring System", and a welcome message for "Viren Kaushikkumar (TeamLeader)". It also has links for "Sign Out" and "Share your Feedback". A blue navigation bar at the top has "My Account" and "Student" options. Below it, a section titled "Form 2 - PROVISIONAL/COMPLETE SPECIFICATION" contains the following steps:

1. Title of the project/invention :
College Administration System
2. Preamble to the description :
Provisional
3. Description
 - a) Field of Project / Invention / Application :
IT field
Website
College System
 - b) Prior Art / Background of the Project / Invention :
We are trying to make admission form online and download Application pdf, to manage Student Information Form (SIF), to filter data by different categories, to make marks formulation dynamically, to track alumni student through our website.
 - c) Summary of the Project / Invention :
Using this web application we convert hard work into smart work. we made an admission form using that form students can fill the form and download their application in the pdf format. The proposed system can provide to all activities like manage Student Information Form(SIF), to filter data by different categories, to make marks formulation dynamically in one platform. The advantages of the system are that user can easily access the system anywhere and anytime. Retains students and college management members time. The application provides appropriate information to users according to chosen service. The system is developed by keeping in view the day to day problems faced by a college. Deployment of our system will certainly help the college to reduce unnecessary wastage of time in personally going to each department for some information.

The status bar at the bottom shows "10:53 04/04/2021 ENG".

Fig. 9(o) PDE Form-2

Form 3 – STATEMENT AND UNDERTAKING UNDER SECTION 8

Name of the applicant(s) : I/We, Patel Viren Kaushikumar ,Shah Devarsh Arvindbhai ,Sanghvi Darshi Nitinbhai

Name,Address and Nationality of the joint applicant : Hereby declare :

(i) that I/We have not made any application for the same/substantially the same victim invention outside India.

(ii) that the rights in the application(s) has/have been assigned to

Name of the Country	Date of Application	Application Number	Status of the Application	Date of Publication	Date of Grant
N/A	N/A	N/A	N/A	N/A	N/A

(iii)That I/We undertake that upto the date of grant of the patent by the Controller, I/We would keep him informed in writing the details regarding corresponding applications for patents filed outside India within three months from the date of filing of such application.

Dated this 4 day of April 2021

To be signed by the applicant or his authorised registered patent agent : Signature.....

Name of the Natural Person who has signed : Patel Viren Kaushikumar ,Shah Devarsh Arvindbhai ,Sanghvi Darshi Nitinbhai


Fig. 9(p) PDE Form-3

9.4 Certificate obtained from Plagiarism Checking

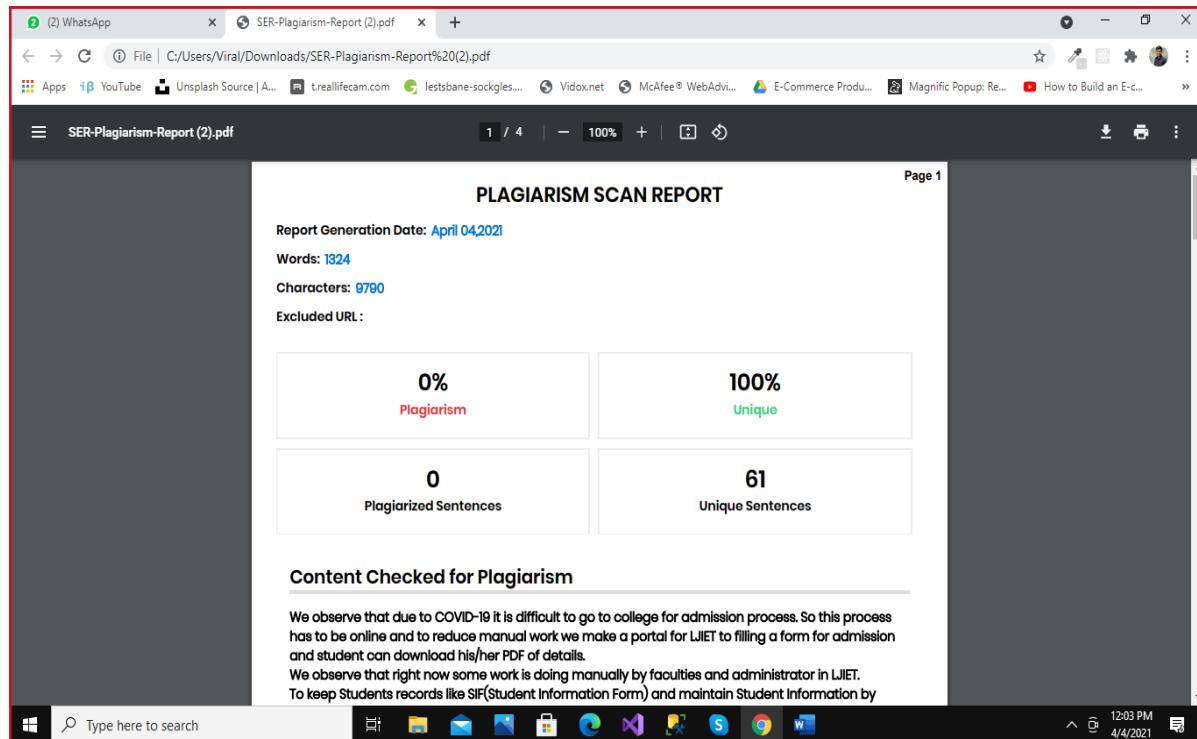


Fig. 9(q) Plagiarism Scan Report