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COLLEGE MANAGEMENT SYSYEM

REVIEW REPORT

Submitted by

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Prepared For

DATABASE MANAGEMENT SYSTEM (CSE2004)

PROJECT COMPONENT

Submitted To

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ABSTRACT:

Our DBMS Project is based on college database management . it provides various information like staff and students data in college , in a college there is a lot of work done to note the faculty details and allot them a department based on their qualification and after allocation they will allotted a group of students based on the data like in which department student is in , and the subjects the student selected for the semester. Basically this all need a lot of work . So, in order to reduce this work it better to shift to maintain database than paperwork

1.INTRODUCTION:

The College management system is an automated version of manual Student Management System. It can handle all details about a student. The details include college details, subject details, student personnel details, academic details, exam details etc... In case of manual system they need a lot of time, manpower etc.Here almost all work is computerized. So the accuracy is maintained. Maintaining backup is very easy. It can do with in a few minutes. Our system has two type of accessing modes, administrator and user. Student management system is managed by an administrator. It is the job of the administrator to insert update and monitor the whole process. When a user log in to the system. He would only view details of the student. He can't perform any changes .

1.1BACKGROUND:

This system (CMS) is being developed for an engineering college to maintain and facilitate easy access to information. For this the users need to be registered with the system after which they can
access or modify data as per the permissions given to them.

1.2OBJECTIVE:

College Management System deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details and other resource related details too. It tracks all the details of a student from the day one to the end of his course which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters years, coming semester year curriculum details, exam details, project or any other assignment details, final exam result; and all these will be available for future references too.Our program will have the databases of Courses offered by the college under all levels of

graduation or main streams, teacher or faculty's details, batch execution details, students' details in all aspects.This program can facilitate us explore all the activities happening in the college, even we can get to know which teacher / faculty is assigned to which batch, the current status of a batch, attendance percentage of a batch and upcoming requirements of a batch. Different reports and Queries can be generated based of vast options related to students, batch, course, teacher / faculty, exams, semesters, certification and even for the entire college.

1.3MOTIVATION:

The purpose of this document is to describe the functionality and specifications of the design of a web application for College Management System. The expected audiences of this document are the colleges and educational institutions. Now with the help of this system the management has the information of students and staff on their finger tips and can easily prepare a good record based on their requirements. Finally, we can say that this system will not only automate the process but save the valuable time of the management and students , which can be well utilized by their institute. This will be an additional advantage and management of power based on their free time from his normal duty.

1.4CONTRIBUTIONS OF PROJECT

Team Member Registration Number	Name	Work Assigned
19BCE2425	P VIJAY NARASIMHA REDDY	Front end, normalization ,ER design
19BCE2402	AMBATI ABHIRAM	Back end, normalization ,ER design
19BCE2429	CHIRANJEEVI DASARI	Back end, normalization ,ER design

1.5ORGANIZATION OF THE PROJECT:

1) In student entity , the data like first name ,last name ,ID ,gender , DOB and phone number is stored ,students has subjects to study and each student belongs to a particular department

2) Department contains data like department id ,name ,head and number ,department contains students ,faculty and semester is maintained by each department
3) In semester entity ,data like semester name ,start date and end date .every department maintain their students semester and in semester it contains subjects for students
4) In entity subject ,data like subject name ,subject code and total hours of lecture . Subjects is related to students through attendance guided by faculty.
5) In entity faculty ,data like id ,gender ,phone number ,name ,qualification ,email . Faculty guides student in their attendance for subject ,and a particular faculty works for particular department.

2.1 SOFTWARE REQUIREMENTS:

Software means a collection of programs where the objective is to enhance the capabilities of the hardware machine. The following defines the software of the proposed system developments

SOFTWARE REQUIRED:

1) SQL
2) PYTHON

LIBRARIES USED IN PYTHON:

1) Tkinter
2) SQLite3

2.2 HARDWARE REQUIREMENTS:

Hardware is the term given to the machinery itself and to the various individual pieces of equipment. It refers to the physical devices of a computer system. Thus, the input, storage processing control and the output devices are hardware. Using a higher configuration than specified below can enhance the system performance further:

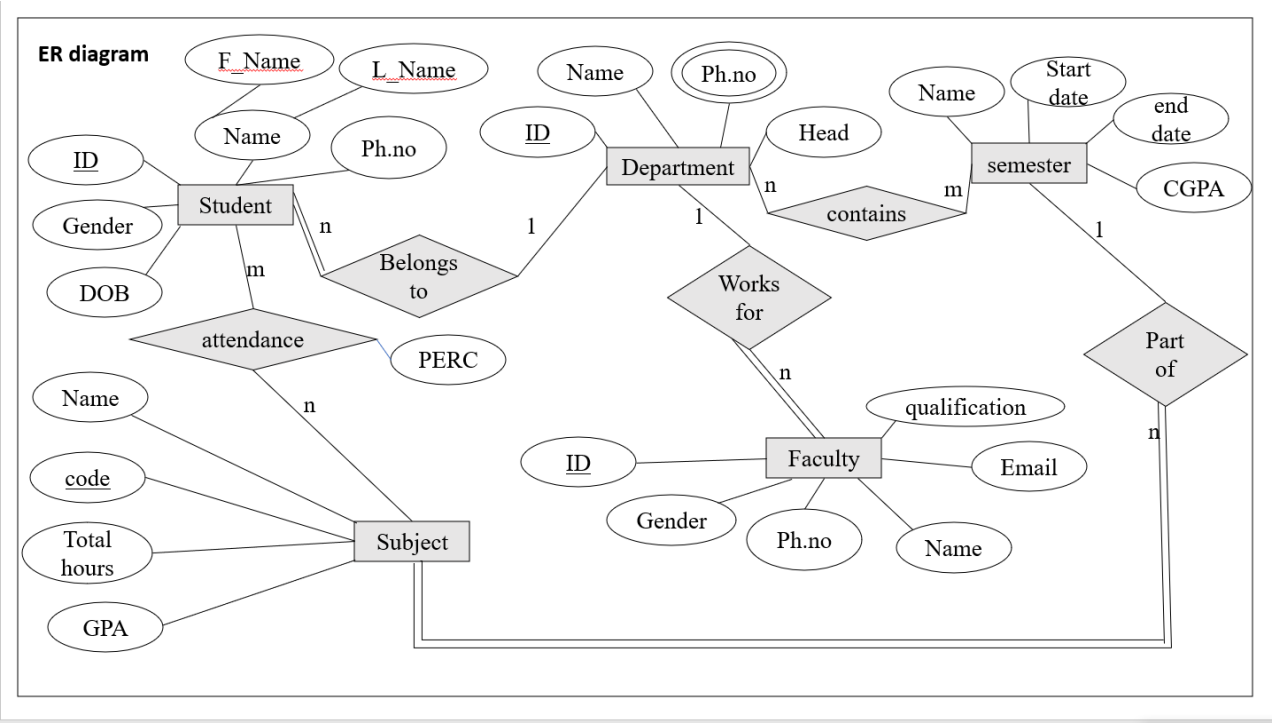
• CPU -Intel Pentium IV 1.80 GHz or higher
• RAM-8 GB (for best performance)
• Processor -Intel core i7
• Hard disk-10GB or higher free space

3. LITERATURE SURVEY:

The system provides guidance to the admin to keep track of each student. The admin have the access to the database of system .In an educational institute management is crucial thing. So in order to reduce the efforts of staff we are introducing our system. The system comes on with much functionality like voting event details, feedback, news line etc. It provides a additional feature newlines that helps the student to get department newlines and reports (achievements, toppers).It also provide the voting feature so that manual work is reduced. This system is paperless system. System provides functionality for student to application where in admin can manage ,student can access uploaded notes, course details. Student will get the event details through sms. Overall manpower and reduces the time required.

4 DESIGN OD THE PROJECT:

4.1 ER DIAGRAM



4.3 ER to Relational Mapping (Schema Diagram)

NORMALIZATION

⇒ First Normal Form: A relation is said to be in first normal form, if and only if all the attributes have an atomic (indivisible) value.

⇒ Second Normal Form: A relation is said to be in the second normal form, if and only if, it obeys 1NF and it does not have any non-prime attribute that is functionally dependent on any proper subset of any candidate key of the relation.

⇒ Third Normal Form: A relation is said to be in the third normal form, if it is in 2NF and every non-prime attribute of R is non-transitively dependent on every key of R.

⇒ Boyce-Codd Normal Form: It is a more restrictive form of 3NF with the additional requisite being that for A → B, A should be a super key – i.e. – A can cannot be a non-prime attribute if B is a prime attribute.

⇒ Candidate Key is minimal set of attributes of a relation which can be used to identify a tuple uniquely.

STUDENT TABLE

STUDENT(S_ID, gender, Dob, f_name, l_name, phone, dept_id)

FDs : S_ID -> gender, Dob, f_name, l_name, phone, dept_id

phone -> S_ID, gender, Dob, f_name, l_name, dept_id

CANDIDATE KEYS : {S_ID},{phone}

1NF : it is 1NF as there is no multi valued attributes

2NF : there is no existence of any form of partial dependency (i.e., all the non-prime attributes are functionally dependent only on the candidate key and not on its subset). So, the relation is in second normal form.

3NF : It's also in 3NF as there is no transitive relations

BCNF : it is bcnf as S_ID is a candidate key which is also a super key

So, there is no need for normalizing this relation.

FACULTY TABLE

FACULTY(F_ID, gender, phone, name, email, qualification, dept_id)

FDs : F_ID -> gender, phone, name, email, qualification, dept_id

email -> F_ID, gender, phone, name, qualification, dept_id

phone -> F_ID, gender, name, email, qualification, dept_id

CANDIDATE KEY : {F_ID},{phone},{email}

1NF : it is 1NF as there is no multi valued attributes

2NF : it is 1NF and LHS of FDs didn't have any non-prime attributes functionally dependent on proper subsets of candidate keys

3NF : it is 3NF because there is no transitive relations

BCNF : as all LHS in each FDs is super key it is BCNF

So, there is no need for normalizing this relation.

DEPARTMENT

DEPARTMENT(Dept_id, name, HOD)

FDs : Dept_id -> name, HOD

CANDIDATE KEY : Dept_id

1NF : it is 1NF as there is no multi valued attributes

2NF : it is 1NF and LHS of FDs didn't have any non-prime attributes functionally dependent on proper subsets of candidate keys

3NF : there is no transitive relations in table

BCNF : Dept_id is a super key so it is in BCNF

So , there is no need to normalize this table

SEMESTER

SEMESTER(sem_code, name, start_date, end_date, CGPA, Dept_id, S_ID)

FDs : sem_code -> name, start_date, end_date

S_ID, sem_code -> CGPA , dept_id

CANDIDATE KEYS : {sem_code, S_ID}

1NF : it is in 1NF as each attribute has a atomic value

2NF : this is not a 2NF as LHS of FDs is proper subset of candidate key . Split table into (sem_code -> name, start_date, end_date) and (S_ID, sem_code -> CGPA , dept_id) , now

they are in 2NF there is no proper subsets on LHS

3NF and BCNF : both tables are in 3NF and BCNF as there is no transitive relations and LHS of FDs are super keys

SUBJECT

SUBJECT(CODE, name, tot_hours, GPA, sem_code, S_ID)

FDs : CODE -> name, tot_hours

S_ID ,CODE -> GPA, sem_code

CANDIDATE KEY : {CODE, S_ID}

1NF : it is in 1NF as there is no multi valued attributes

2NF : it is not in 2NF as in 1st FD , CODE is a proper subset of candidate key . 2nd FD is satisfying 2NF , so split 2 FDs into 2 tables then both of them satify 2NF

3NF and BCNF : 2 tables are in 3NF and BCNF as there is no transitive relations in both tables and LHS os FDs in both tables is super key of their respective tables

ATTENDANCE:

ATTENDANCE(S_ID, CODE, percentage)

FDs : S_ID, CODE -> percentage

CANDIDATE KEYS : {S_ID, CODE}

1NF : all the attributes have atomic value so it is 1NF form

2NF : it is in 2NF as there no FD with LHS proper subset of candidate key

3NF : there is no transitive relations

BCNF : LHS of FD is super key so it is in BCNF

DEPARTMENT PHONE:

DEPARTMENT_PHONE(Dept_id,phone)

FDs : phone -> Dept_id

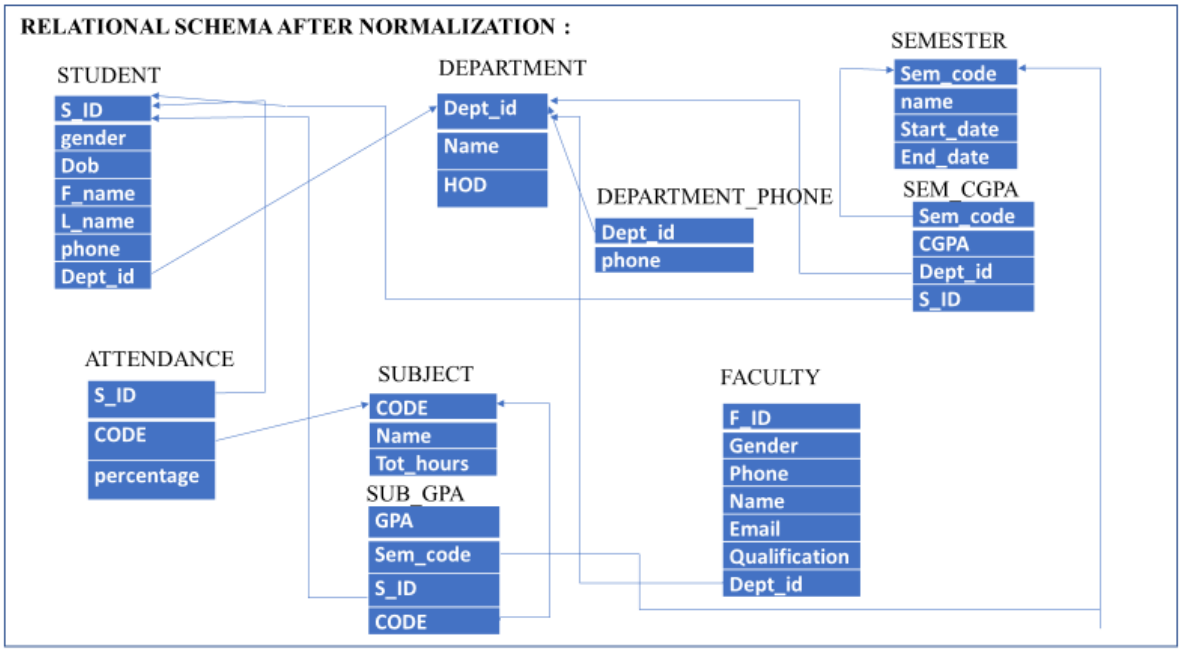
CANDIDATE KEYS : phone

1NF : there is no multi valued attributes so, 1NF

2NF : LHS is a CANDIDATE KEY , not proper subset ,so it is 2NF

3NF : there is no transitive relations

BCNF : phone is a super key , so it is BCNF



4.4 TABLES AND CONSTRAINTS:

STUDENT:

Attribute	Datatype	constraint
S_ID	Varchar2	PK
GENDER	Varchar2	Gender in (m,f,M,F)
DOB	date	
F_NAME	Varchar2	
L_NAME	Varchar2	
PHONE	number	
DEPT_ID	Varchar2	Not null

ATTENDANCE:

Attribute	Datatype	Constraint
S_ID	Varchar2	FK STUDENT(S_ID)
CODE	Varchar2	FK SUBJECT(CODE)
PERCENTAGE	number	

DEPARTMENT:

Attribute	Datatype	Constraint
DEPT_ID	Varchar2	PK
NAME	Varchar2	
HOD	Varchar2	

DEPARTMENT_PHONE:

Attribute	Datatype	Constraint
DEPT_ID	Varchar2	FK DEPARTMENT(dept_id)
PHONE	Number	

SUBJECT:

Attribute	Datatype	Constraint
CODE	Varchar2	PK
NAME	Varchar2	
TOT_HOURS	Number	

SUB_GPA:

Attribute	Datatype	Constraint
GPA	Number	
S_ID	Varchar2	FK STUDENT(S_ID)
SEM_CODE	Varchar2	FK SEMESTER(SEM_CODE)

CODE	Varchar2	FK SUBJECT(CODE)

FACULTY:

Attribute	Datatype	Constraint
F_ID	Varchar2	PK
GENDER	Varchar2	Gender in (m,f,M,F)
PHONE	Number	
NAME	Varchar2	
EMAIL	Varchar2	
QUALIFICATION	Varchar2	
DEPT_ID	Varchar2	FK DEPARTMENT(DEPT_ID)

SEMESTER:

Attribute	Datatype	Constraint
SEM_CODE	Varchar2	PK
NAME	Varchar2	
START_DATE	Date	
END_DATE	Date	

SEM_CGPA:

Attribute	Datatype	Constraint
CGPA	Float	
SEM_CODE	Varchar2	FK SEMESTER(SEM_CODE)
DEPT_ID	Varchar2	FK DEPARTMENT(DEPT_ID)
S_ID	Varchar2	FK STUDENT(S_ID)

5. Implementation

5.1 Introduction:

Used oracle SQL for creating table and storing data into it and made a front

end for project using python and used python libraries Tkinter and sqlite3 for front end developing

5.2 Implementation:

```
create table DEPARTMENT(
Dept_id varchar2(30) constraint depid primary key,
Name varchar2(30),
HOD varchar2(30));

create table SEMESTER(
Sem_code varchar2(30) constraint semcc PRIMARY KEY,
name varchar2(30),
Start_date date,
End_date date);

create table STUDENT(
S_ID varchar2(30) constraint sid primary key,
gender varchar2(9),
Dob date,
F_name varchar2(30),
L_name varchar2(30),
phone number(15),
Dept_id varchar2(30),
constraint depidd foreign key(Dept_id) references DEPARTMENT(Dept_id));

create table FACULTY(
F_ID varchar2(30) constraint fid primary key,
Gender varchar2(9),
Phone number(15),
Name varchar2(30),
Email varchar2(30),
Qualification varchar2(30),
Dept_id varchar2(30),
```

```
constraint depiddd foreign key(Dept_id) references DEPARTMENT(Dept_id));

create table DEPARTMENT_PHONE(
Dept_id varchar2(30),
phone number(15),
constraint depidddd foreign key(Dept_id) references DEPARTMENT(Dept_id)
);

create table SEM_CGPA(
Sem_code varchar2(30),
CGPA float,
Dept_id varchar2(30),
S_ID varchar2(30),
constraint depiddddd foreign key(Dept_id) references DEPARTMENT(Dept_id),
constraint semc foreign key(sem_code) references semester(sem_code),
constraint siddd foreign key(S_ID) references STUDENT(S_ID));

create table SUBJECT(
CODE varchar2(30) constraint cod primary key,
Name varchar2(30),
Tot_hours number(10));

create table ATTENDANCE(
S_ID varchar2(30),
CODE varchar2(30),
percentage number(10),
constraint sidddd foreign key(S_ID) references STUDENT(S_ID),
constraint codd foreign key(CODE) references SUBJECT(CODE));

create table SUB_GPA(
GPA number(12),
Sem_code varchar2(30),
S_ID varchar2(30),
CODE varchar2(30),
```

```
constraint semccc foreign key(Sem_code) references SEMESTER(Sem_code),
constraint siddddd foreign key(S_ID) references STUDENT(S_ID),
constraint coddd foreign key(CODE) references SUBJECT(CODE));

insert into department(dept_id,name,hod) values('CSE','COMPUTER SCIENCE','VIJAY');
insert into department(dept_id,name,hod) values('EEE','ELECTRICAL','ARUN');
insert into department(dept_id,name,hod) values('ECE','ELECTRONICS AND
COMMUNICATION','SURYA');
insert into department(dept_id,name,hod) values('MEC','MECHANICAL','ARJUN');
insert into department(dept_id,name,hod) values('CHE','CHEMICAL','ABHI');

insert into subject(code,name,tot_hours) values('CSE2001','DBMS',12);
insert into subject(code,name,tot_hours) values('CSE2002','DSA',13);
insert into subject(code,name,tot_hours) values('CSE2003','DLD',12);
insert into subject(code,name,tot_hours) values('EEE2001','BEEE',13);
insert into subject(code,name,tot_hours) values('EEE2002','CENSOR',11);
insert into subject(code,name,tot_hours) values('ECE2001','BIOMETRIC',13);
insert into subject(code,name,tot_hours) values('ECE2002','NANO TECH',14);
insert into subject(code,name,tot_hours) values('MECH2001','3D PRINTING',10);
insert into subject(code,name,tot_hours) values('MECH2002','AUTOMATION',13);
insert into subject(code,name,tot_hours) values('CHE2001','METALLURGY',13);
insert into subject(code,name,tot_hours) values('CHE2002','TITRATION',12);
insert into subject(code,name,tot_hours) values('CHE2003','THERMODYNAMICS',14);

insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S001','F','12-
NOV-2001','rakul','preet',9587537284,'CSE');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S002','M','28-
OCT-2001','raju','nayak',6483976548,'CSE');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S003','F','12-SEP-
1999','samantha','ruth',9763532875,'EEE');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S004','M','11-
MAR-1999','allu','arjun',9495739584,'ECE');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S005','M','10-
APR-2000','vijay','reddy',9876587976,'EEE');
```

```
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S006','F','19-FEB-2002','SHRUTHI','HASAN',9876879689,'ECE');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S007','M','13-SEP-2000','hari','krishna',8798789767,'MEC');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S008','F','07-AUG-1999','karun','teja',9876983456,'MEC');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S009','M','04-JUN-2000','aryan','rajesh',9874359879,'CSE');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S010','M','14-FEB-1999','arun','krishna',9876987456,'CHE');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S011','F','06-SEP-2002','k','kavya',9878987098,'CHE');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S012','F','10-JUL-2001','KRUTHI','SANAN',7908908657,'ECE');
insert into student(S_ID,gender,dob,f_name,l_name,phone,dept_id) values('S013','M','15-JUL-2000','MUKESH','DHIRUBHAI',7098437828,'CHE');

insert into attendance(S_ID,CODE,percentage) values('S001','CSE2001',97);
insert into attendance(S_ID,CODE,percentage) values('S001','CSE2002',89);
insert into attendance(S_ID,CODE,percentage) values('S001','CSE2003',91);
insert into attendance(S_ID,CODE,percentage) values('S002','CSE2001',95);
insert into attendance(S_ID,CODE,percentage) values('S002','CSE2002',80);
insert into attendance(S_ID,CODE,percentage) values('S002','CSE2003',92);
insert into attendance(S_ID,CODE,percentage) values('S009','CSE2001',78);
insert into attendance(S_ID,CODE,percentage) values('S009','CSE2002',91);
insert into attendance(S_ID,CODE,percentage) values('S009','CSE2003',88);
insert into attendance(S_ID,CODE,percentage) values('S003','EEE2001',89);
insert into attendance(S_ID,CODE,percentage) values('S003','EEE2002',92);
insert into attendance(S_ID,CODE,percentage) values('S005','EEE2001',79);
insert into attendance(S_ID,CODE,percentage) values('S005','EEE2002',77);
insert into attendance(S_ID,CODE,percentage) values('S004','ECE2001',80);
insert into attendance(S_ID,CODE,percentage) values('S004','ECE2002',77);
insert into attendance(S_ID,CODE,percentage) values('S006','ECE2001',90);
insert into attendance(S_ID,CODE,percentage) values('S006','ECE2002',80);
```

```
insert into attendance(S_ID,CODE,percentage) values('S012','ECE2001',85);
insert into attendance(S_ID,CODE,percentage) values('S012','ECE2002',69);
insert into attendance(S_ID,CODE,percentage) values('S007','MECH2001',83);
insert into attendance(S_ID,CODE,percentage) values('S007','MECH2002',91);
insert into attendance(S_ID,CODE,percentage) values('S008','MECH2001',69);
insert into attendance(S_ID,CODE,percentage) values('S008','MECH2002',74);
insert into attendance(S_ID,CODE,percentage) values('S010','CHE2001',80);
insert into attendance(S_ID,CODE,percentage) values('S010','CHE2002',77);
insert into attendance(S_ID,CODE,percentage) values('S010','CHE2003',92);
insert into attendance(S_ID,CODE,percentage) values('S011','CHE2001',78);
insert into attendance(S_ID,CODE,percentage) values('S011','CHE2002',87);
insert into attendance(S_ID,CODE,percentage) values('S011','CHE2003',89);
insert into attendance(S_ID,CODE,percentage) values('S013','CHE2001',92);
insert into attendance(S_ID,CODE,percentage) values('S013','CHE2002',88);
insert into attendance(S_ID,CODE,percentage) values('S013','CHE2003',90);

insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F001','M',9879879879,'paul','paul@gmail.com','B.COM','CSE');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F002','M',9876587698,'hari','hari@gmail.com','B.TECH','CSE');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F003','F',7098006678,'anu','anu@gmail.com','M.TECH','CSE');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F004','M',7709899056,'arjun','arjun@gmail.com','B.TECH','ECE');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F005','F',7989347349,'priya','priya@gmail.com','B.COM','ECE');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F006','F',8398798327,'shuthi','shruthi@gmail.com','BSE','EEE');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F007','M',7349875987,'mahesh','mahesh@gmail.com','DEGREE','EEE');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F008','M',9834579734,'hruthik','hruthik@gmail.com','PG','MEC');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F009','F',9873498744,'rakul','rakul@gmail.com','B.TECH','MEC');
```

```
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F010','F',3897439797,'moni','moni@gmail.com','M.TECH','CHE');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F011','M',3984729734,'arun','arun@gmail.com','PG','CHE');
insert into faculty(f_id,gender,phone,name,email,qualification,dept_id)
values('F012','M',9809898833,'srinu','srinu@gmail.com','PG','CHE');

insert into semester(sem_code,name,start_date,end_date) values('FALL19','FALL
SEMESTER','06-JUL-2019','10-DEC-2019');
insert into semester(sem_code,name,start_date,end_date) values('WIN19','WINTER
SEMESTER','13-DEC-2019','09-APR-2020');

insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',8.9,'CSE','S001');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',8.6,'CSE','S001');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',8.4,'CSE','S002');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',9.2,'CSE','S002');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',8.0,'ECE','S004');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',8.6,'ECE','S004');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',9.1,'EEE','S005');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',9.0,'EEE','S005');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',8.9,'EEE','S003');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',8.6,'EEE','S003');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',8.4,'ECE','S006');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',9.2,'ECE','S006');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',8.0,'MEC','S007');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',8.6,'MEC','S007');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',9.1,'MEC','S008');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',9.0,'MEC','S008');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',9.1,'CSE','S009');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',9.0,'CSE','S009');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',8.9,'CHE','S010');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',8.6,'CHE','S010');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',8.4,'CHE','S011');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',9.2,'CHE','S011');
```

```
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',8.0,'ECE','S012');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',8.6,'ECE','S012');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('FALL19',9.1,'CHE','S013');
insert into sem_cgpa(sem_code,cgpa,dept_id,s_id) values('WIN19',9.0,'CHE','S013');

insert into department_phone(dept_id,phone) values('CSE',987894873);
insert into department_phone(dept_id,phone) values('ECE',093049884);
insert into department_phone(dept_id,phone) values('CSE',438743985);
insert into department_phone(dept_id,phone) values('EEE',394879487);
insert into department_phone(dept_id,phone) values('MEC',348972398);
insert into department_phone(dept_id,phone) values('CHE',398409238);
insert into department_phone(dept_id,phone) values('CHE',345437554);

insert into sub_gpa(gpa,sem_code,s_id,code) values(8,'FALL19','S001','CSE2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(9,'WIN19','S001','CSE2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(8,'WIN19','S001','CSE2003');
insert into sub_gpa(gpa,sem_code,s_id,code) values(7,'FALL19','S002','CSE2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(9,'FALL19','S002','CSE2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(8,'WIN19','S002','CSE2003');
insert into sub_gpa(gpa,sem_code,s_id,code) values(6,'FALL19','S003','EEE2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(7,'WIN19','S003','EEE2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(9,'WIN19','S005','EEE2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(8,'FALL19','S005','EEE2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(9,'FALL19','S004','ECE2001');
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insert into sub_gpa(gpa,sem_code,s_id,code) values(6,'FALL19','S006','ECE2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(7,'WIN19','S006','ECE2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(9,'WIN19','S012','ECE2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(8,'FALL19','S012','ECE2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(6,'FALL19','S007','MECH2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(7,'WIN19','S007','MECH2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(9,'WIN19','S008','MECH2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(8,'FALL19','S008','MECH2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(9,'FALL19','S010','CHE2001');
```
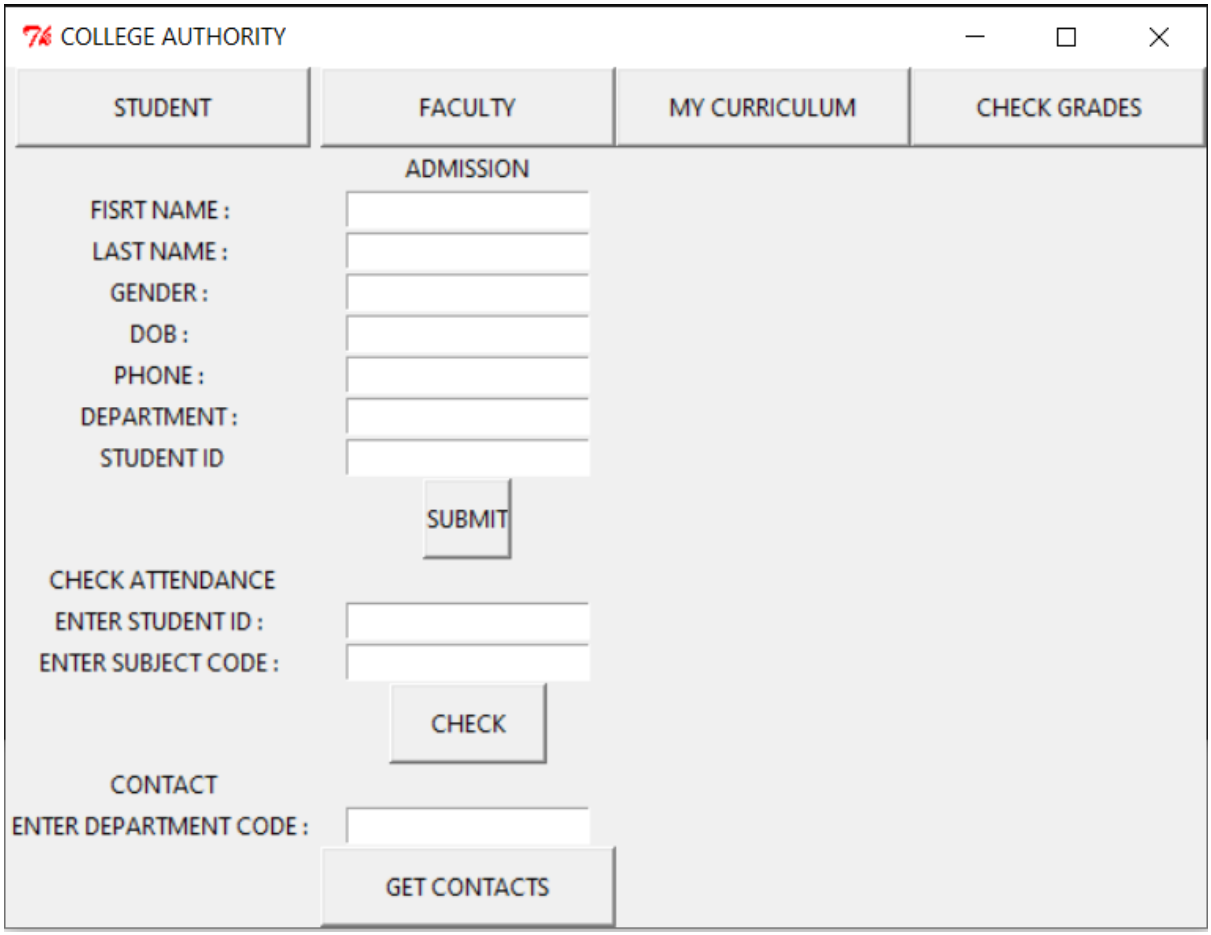

insert into sub_gpa(gpa,sem_code,s_id,code) values(8,'WIN19','S010','CHE2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(6,'FALL19','S011','CHE2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(7,'WIN19','S011','CHE2002');
insert into sub_gpa(gpa,sem_code,s_id,code) values(9,'WIN19','S013','CHE2001');
insert into sub_gpa(gpa,sem_code,s_id,code) values(8,'FALL19','S013','CHE2002');

6. SNAPSHOT:

Main page:



STUDENT PAGE:

STUDENT

STUDENT ID	GENDER	DOB	FISRT NAME	LAST NAME	PHONE	DEPARTMENT
S001	F	12-NOV-20(	rakul	preet	9587537284	CSE
S002	M	28-OCT-20(	raju	nayak	6483976548	CSE
S003	F	12-SEP-199	samantha	ruth	9763532875	EEE
S004	M	11-MAR-19	allu	arjun	9495739584	ECE
S005	M	10-APR-20(	vijay	reddy	9876587976	EEE
S006	F	19-FEB-200	SHRUTHI	HASAN	9876879689	ECE
S007	M	13-SEP-200(	hari	krishna	8798789767	MEC
S008	F	07-AUG-19	karun	teja	9876983456	MEC
S009	M	04-JUN-200	aryan	rajesh	9874359879	CSE
S010	M	14-FEB-199	arun	krishna	9876987456	CHE
S011	F	06-SEP-200	k	kavya	9878987098	CHE
S012	F	10-JUL-200	KRUTHI	SANAN	7908908657	ECE
S013	M	15-JUL-200(	MUKESH	DHIRUBHAI	7098437828	CHE

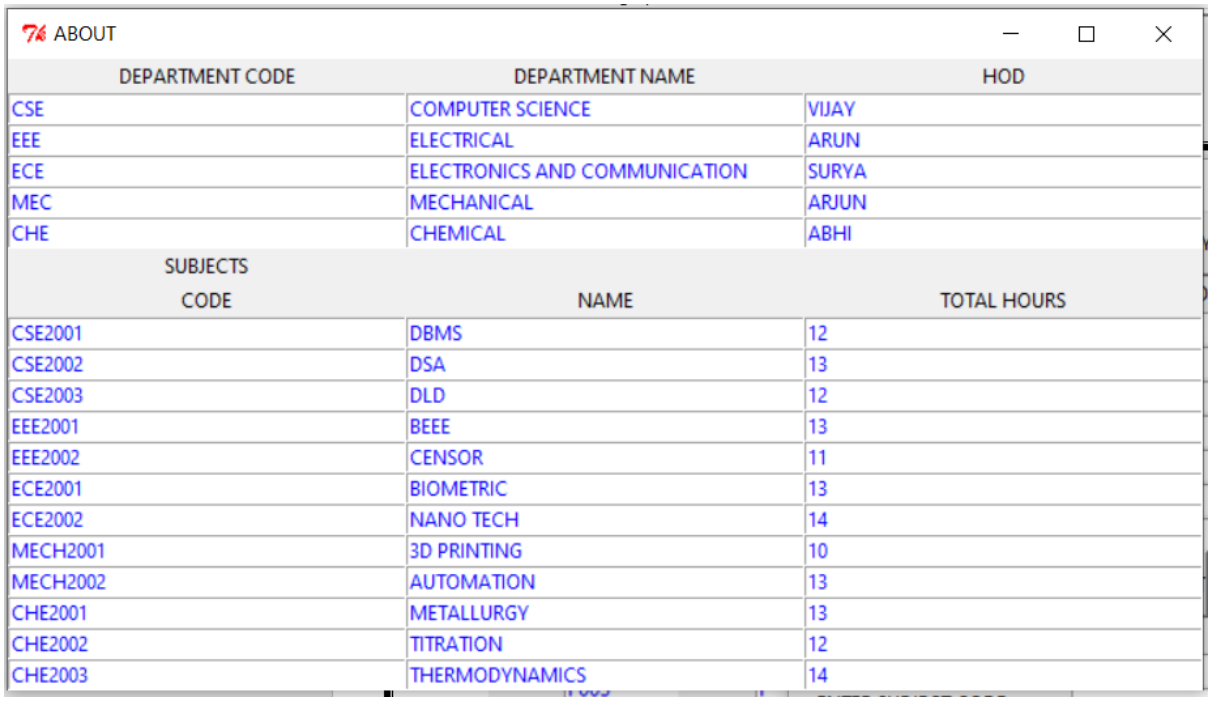
FACULTY PAGE:

FACULTY

HIRE NEW STAFF

FACULTY ID	Gender	PHONE	NAME	Qualification	Department	Email
F001	M	9879879879	paul	paul@gmai	B.COM	CSE
F002	M	9876587698	hari	hari@gmail	B.TECH	CSE
F003	F	7098006678	anu	anu@gmail	M.TECH	CSE
F004	M	7709899056	arjun	arjun@gma	B.TECH	ECE
F005	F	7989347349	priya	priya@gma	B.COM	ECE
F006	F	8398798327	shuthi	shruthi@gn	BSE	EEE
F007	M	7349875987	mahesh	mahesh@g	DEGREE	EEE
F008	M	9834579734	hruthik	hruthik@gr	PG	MEC
F009	F	9873498744	rakul	rakul@gma	B.TECH	MEC
F010	F	3897439797	moni	moni@gma	M.TECH	CHE
F011	M	3984729734	arun	arun@gmai	PG	CHE
F012	M	9809898833	srinu	srinu@gma	PG	CHE

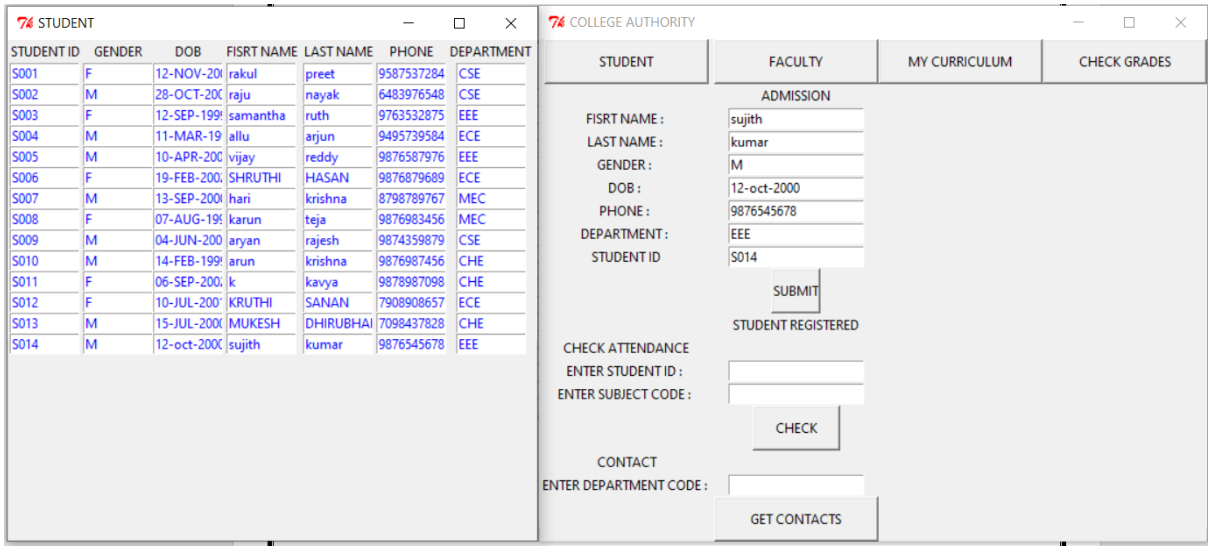
MY CURRICULUM:



DEPARTMENT CODE	DEPARTMENT NAME	HOD
CSE	COMPUTER SCIENCE	VIJAY
EEE	ELECTRICAL	ARUN
ECE	ELECTRONICS AND COMMUNICATION	SURYA
MEC	MECHANICAL	ARJUN
CHE	CHEMICAL	ABHI

SUBJECTS CODE	NAME	TOTAL HOURS
CSE2001	DBMS	12
CSE2002	DSA	13
CSE2003	DLD	12
EEE2001	BEEE	13
EEE2002	CENSOR	11
ECE2001	BIOMETRIC	13
ECE2002	NANO TECH	14
MECH2001	3D PRINTING	10
MECH2002	AUTOMATION	13
CHE2001	METALLURGY	13
CHE2002	TITRATION	12
CHE2003	THERMODYNAMICS	14

ADDING NEW STUDENT:



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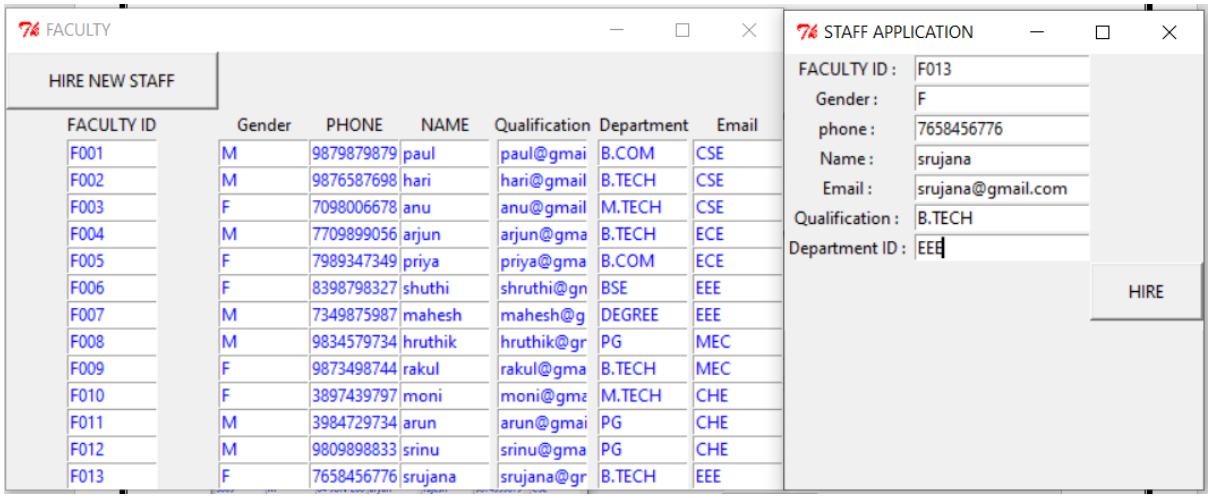

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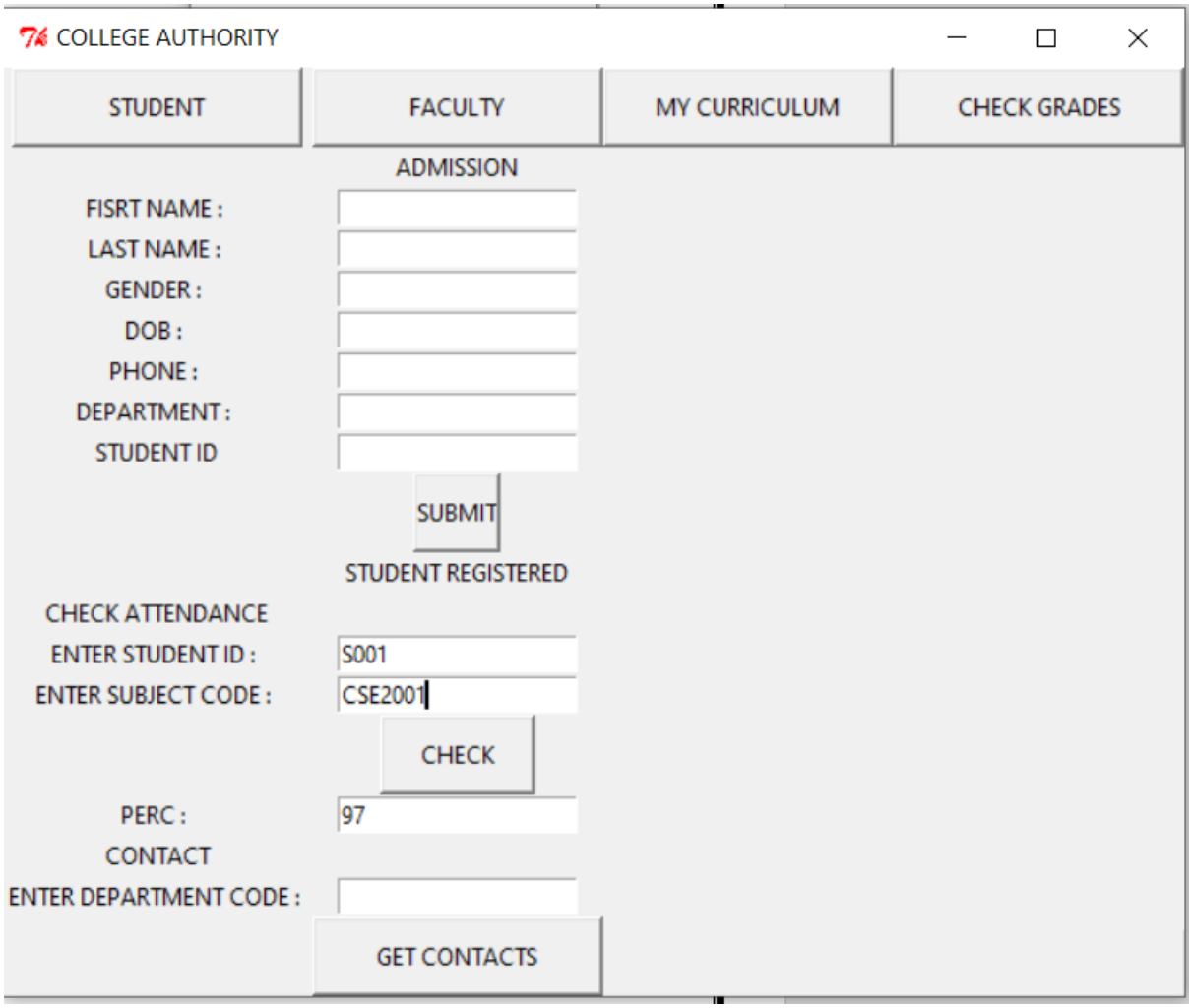
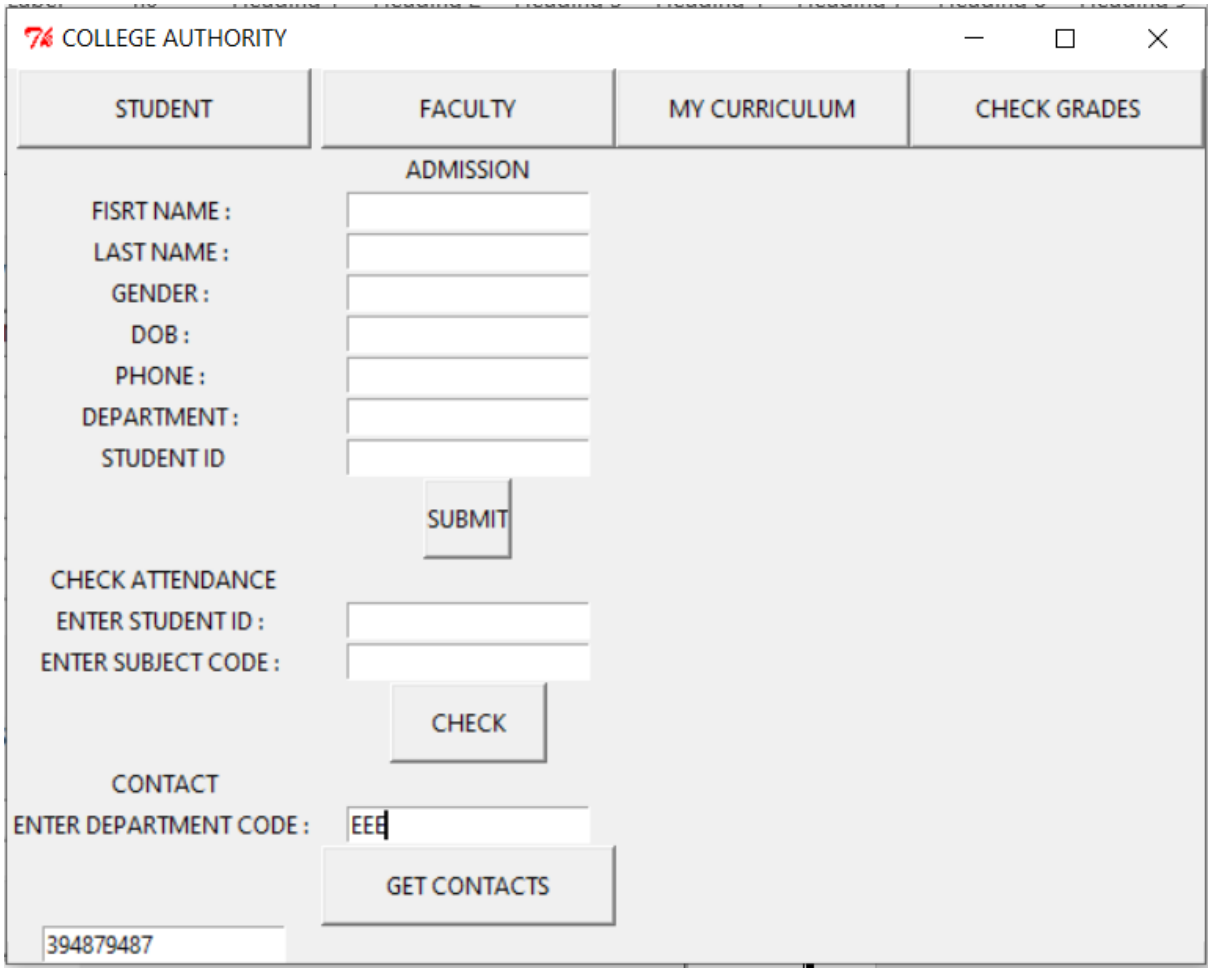
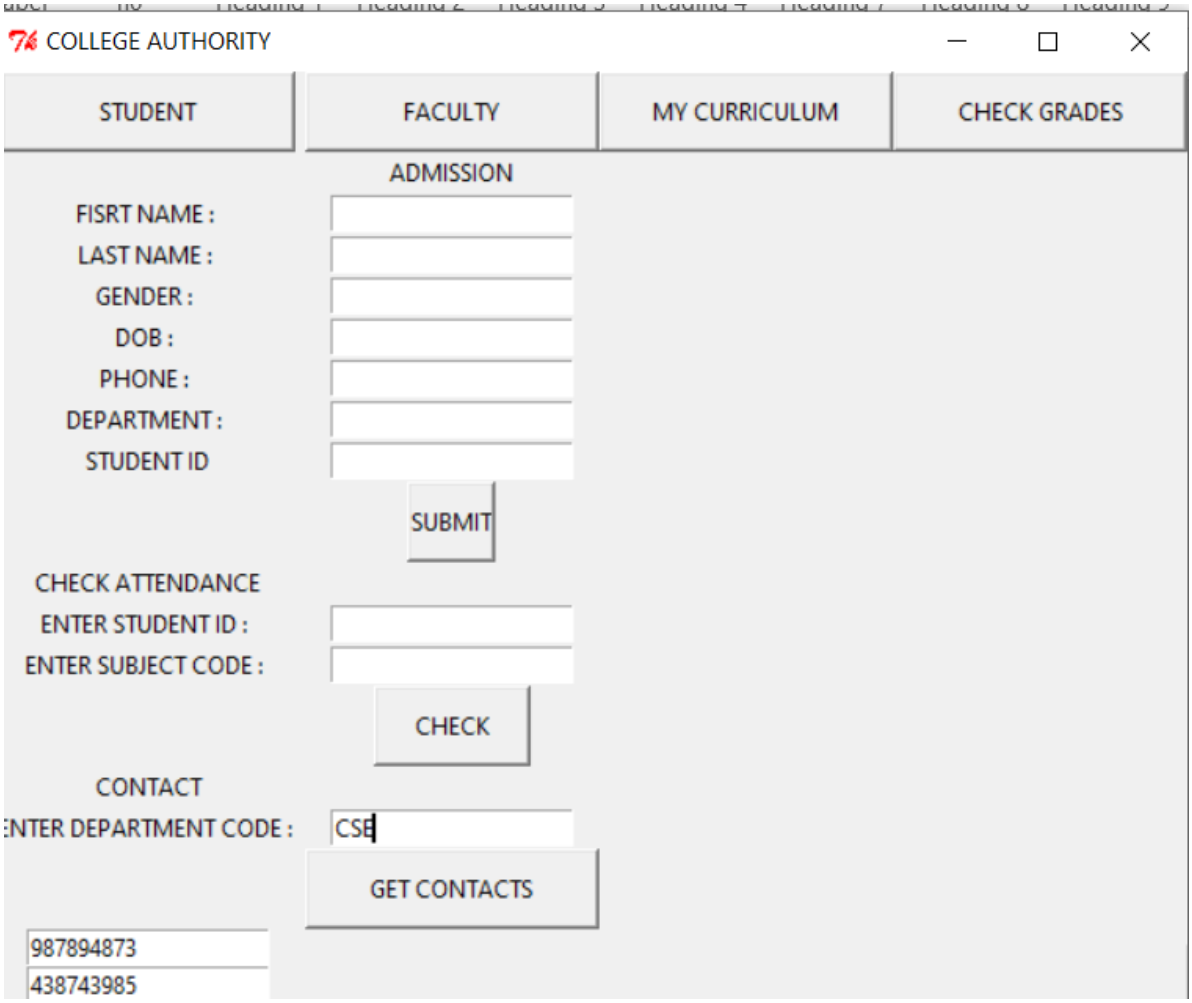
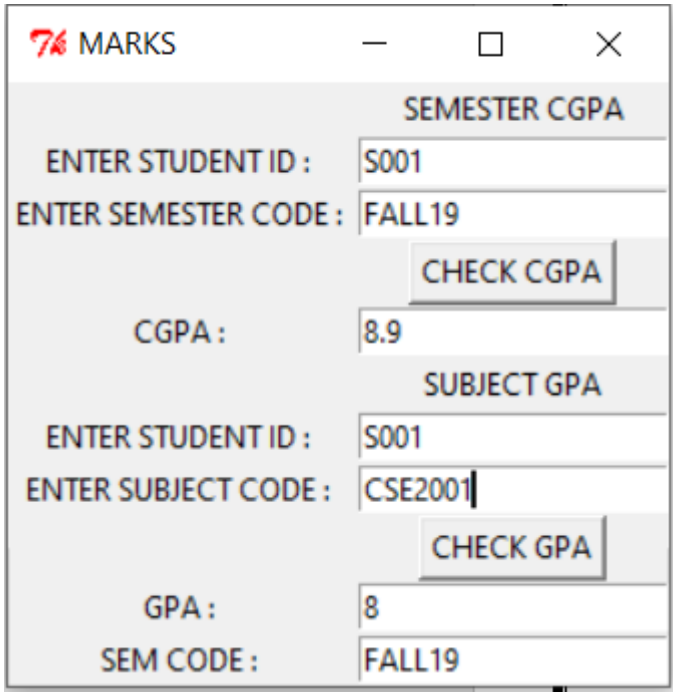


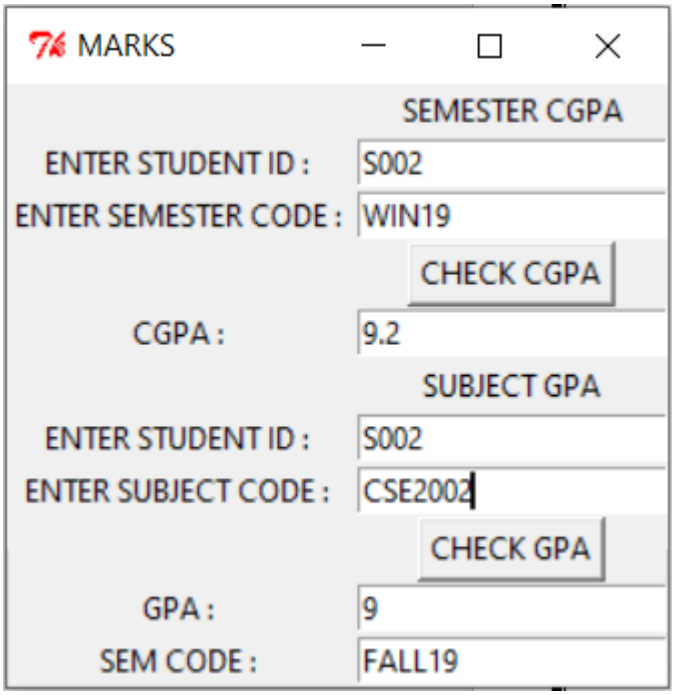
DEPARTMENT CONTACTS:


COLLEGE AUTHORITY
STUDENT
FACULTY
MY CURRICULUM
CHECK GRADES
ADMISSION
FISRT NAME :
LAST NAME :
GENDER :
DOB :
PHONE :
DEPARTMENT :
STUDENT ID
SUBMIT
CHECK ATTENDANCE
ENTER STUDENT ID :
ENTER SUBJECT CODE :
CHECK
CONTACT
ENTER DEPARTMENT CODE :
EEE
GET CONTACTS
394879487



CHECK GRADES:





7. Conclusion and Future Work

7.1 Conclusion:

Simplicity is never simple. As we have seen in this project, the process of creating a user-friendly and straightforward platform that facilitates the administrator's job is one filled with complexity. From understanding user requirements to system design and finally system prototype and finalization, every step requires in-depth understanding and commitment towards achieving the objectives of the project.

Although the student database management module is not fully integrated to the system and used on real time, the system prototype demonstrates easy navigation and data are stored in a systematic way. Overall, efficiency has improved and work processes simplified. Although all the objectives have been met, the system still has room for improvement. The system is robust and flexible enough for future upgrade using advanced technology and devices.

7.2 Future Work:

This project has many future applications like it can be used in any of the Colleges. This project was build keeping in mind all the requirements of these outlets and they can be

implemented in any such type of organization with very few modification. With modifications it can be possible for Staff and Students by connecting them through a network.

References(IEEE Style, Do not give websites in references**)**

[1]Krithi P1, Dr M Ramakrishna2," student management system – a survey" Computer Science and Engineering, Vemana Institute of Technology,Bangalore-34 International Research Journal of Computer Science (IRJCS) Issue 05, Volume 4 (May 2017.

[2] Srikant Patnaik1, Khushboo kumari Singh2, Rashmi Ranjan3, Niki Kumari4 "College ,management system", International ResearchJournal of Engineering and Technology (IRJ Volume:03Issue:05/May-2016.

[3] Lalit Mohan Joshi M.tech schola BTKIT Dwarahat, Almora, Uttarakhand "A Research Paper on College Management System" International Journal of Computer Applications (0975 – 8887) Volume 122 – No.11, July 2015