PLACEMENT   PORTAL
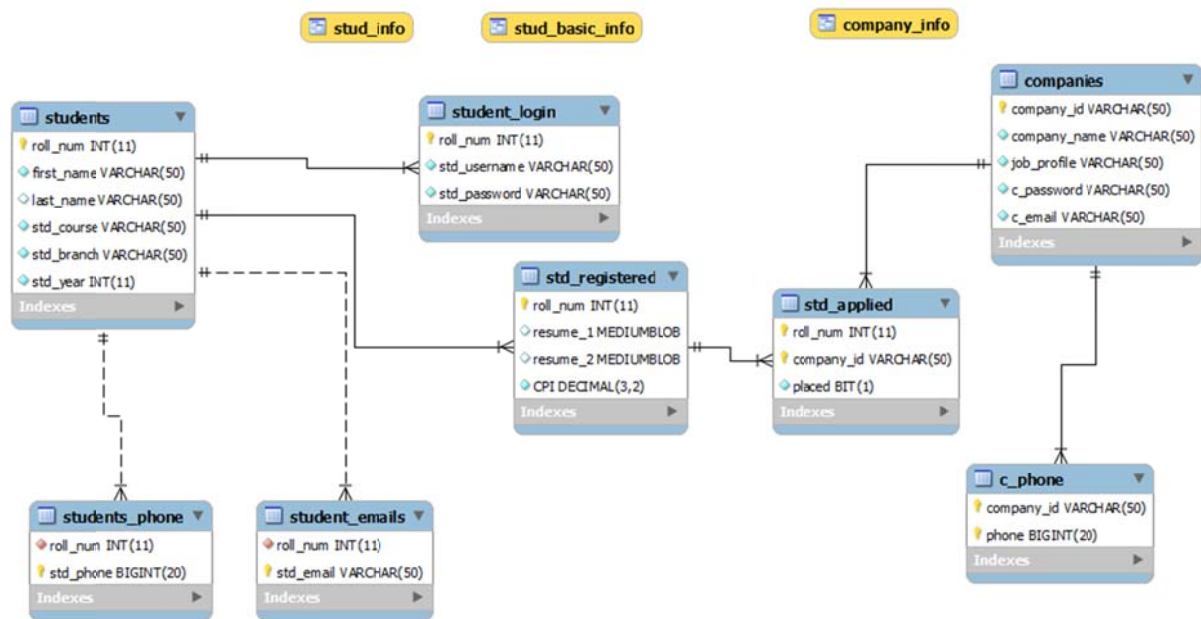## GROUP #17

This Doc includes
1. Database creation queries
2. Queries used in PHP files
3. ER Diagram
4. Some Screenshots

```sql
DROP DATABASE placement_portal;
CREATE DATABASE placement_portal;
USE placement_portal;

CREATE TABLE students(
        roll_num INT NOT NULL PRIMARY KEY,
        first_name VARCHAR(50) NOT NULL,
        last_name VARCHAR(50),
        std_course VARCHAR(50) NOT NULL,
        std_branch VARCHAR(50) NOT NULL,
        std_year INT NOT NULL );

        INSERT INTO students VALUES
(11012322,'Naveen','Chaudhary','Btech','Mathematics',2015);
        INSERT INTO students VALUES (11012327,'Prashant','Sankhla','Btech','Civil',2015);
        INSERT INTO students VALUES
(11012342,'Ravindra','Gahlot','Btech','Biotechnology',2015);
        INSERT INTO students VALUES (11012319,'Lokesh','Meena','Btech','CSE',2015);
        INSERT INTO students VALUES (11012312,'Parik','Gupta','Btech','Design',2015);

CREATE TABLE std_registered (
        roll_num INT NOT NULL PRIMARY KEY ,
        FOREIGN KEY (roll_num) REFERENCES students(roll_num) ON DELETE CASCADE
ON UPDATE CASCADE,
        resume_1 MEDIUMBLOB,
        resume_2 MEDIUMBLOB,
        CPI decimal(3,2) NOT NULL,
        CHECK (CPI >= 5.00));

INSERT INTO std_registered(roll_num,CPI) VALUES (11012322,6.52);
INSERT INTO std_registered(roll_num,CPI) VALUES (11012327,9.72);
INSERT INTO std_registered(roll_num,CPI) VALUES (11012319,5.99);
INSERT INTO std_registered(roll_num,CPI) VALUES (11012312,8.26);

CREATE TABLE student_login (
        roll_num INT NOT NULL PRIMARY KEY ,
        FOREIGN KEY (roll_num) REFERENCES students (roll_num) ON DELETE CASCADE
ON UPDATE CASCADE,
        std_username VARCHAR(50) NOT NULL ,
        std_password VARCHAR(50) NOT NULL);

INSERT INTO student_login VALUES (11012322,'n.chaudhary','123');
INSERT INTO student_login VALUES (11012327,'p.sankhla','123');
```

```sql
INSERT INTO student_login VALUES (11012342,'r.gahlot','123');
INSERT INTO student_login VALUES (11012319,'l.meena','123');
INSERT INTO student_login VALUES (11012312,'g.parik','123');

CREATE TABLE student_emails (
        roll_num INT NOT NULL ,
        std_email VARCHAR(50) NOT NULL ,
        PRIMARY KEY (std_email),
        FOREIGN KEY (roll_num ) REFERENCES students(roll_num) ON DELETE CASCADE
ON UPDATE CASCADE);

INSERT INTO student_emails VALUES (11012322,'n.chaudhary@iitg.ernet.in');
INSERT INTO student_emails VALUES (11012327,'p.sankhla@iitg.ernet.in');
INSERT INTO student_emails VALUES (11012342,'r.gahlot@iitg.ernet.in');
INSERT INTO student_emails VALUES (11012319,'l.meena@iitg.ernet.in ' );
INSERT INTO student_emails VALUES (11012312,'g.parik@iitg.ernet.in');

CREATE TABLE students_phone(
        roll_num INT NOT NULL,
        std_phone  BIGINT NOT NULL,
        PRIMARY KEY (std_phone),
        FOREIGN KEY (roll_num ) REFERENCES students(roll_num) ON DELETE CASCADE
ON UPDATE CASCADE);

INSERT INTO students_phone VALUES (11012322,97067227);
INSERT INTO students_phone VALUES (11012322,97067364);
INSERT INTO students_phone VALUES (11012327,98014562);
INSERT INTO students_phone VALUES (11012342,97064521);
INSERT INTO students_phone VALUES (11012319,80114961);
INSERT INTO students_phone VALUES (11012312,80116982);

CREATE TABLE companies (
        company_id VARCHAR(50) NOT NULL PRIMARY KEY,
        company_name VARCHAR(50) NOT NULL,
        job_profile VARCHAR(50) NOT NULL,
        c_password VARCHAR(50) NOT NULL,
        c_email VARCHAR(50) NOT NULL );

INSERT INTO companies VALUES ('goo_dev','google','developer','234','goo@hotmail.com');
INSERT INTO companies VALUES ('goo_mar','google','marketing','234','goo@hotmail.com');
INSERT INTO companies VALUES ('fb_dev','facebook','developer','234','fb@hotmail.com');
INSERT INTO companies VALUES ('ms_dev','microsoft','developer','234','ms@hotmail.com');
```

```sql
CREATE TABLE std_applied(
        roll_num INT,
        company_id VARCHAR(50),
        placed BIT NOT NULL,
        PRIMARY KEY (company_id,roll_num),
        FOREIGN KEY (company_id ) REFERENCES companies(company_id ) ON DELETE
CASCADE ON UPDATE CASCADE,
        FOREIGN KEY (roll_num) REFERENCES std_registered(roll_num) ON DELETE
CASCADE ON UPDATE CASCADE);

INSERT INTO std_applied VALUES (11012312,'goo_dev',0);
INSERT INTO std_applied VALUES (11012312,'goo_mar',0);
INSERT INTO std_applied VALUES (11012319,'goo_mar',0);
INSERT INTO std_applied VALUES (11012319,'ms_dev',1);
INSERT INTO std_applied VALUES (11012322,'fb_dev',0);
INSERT INTO std_applied VALUES (11012327,'goo_dev',0);
INSERT INTO std_applied VALUES (11012327,'ms_dev',0);




CREATE TABLE c_phone(
        company_id VARCHAR(50),
        phone BIGINT NOT NULL,
        PRIMARY KEY (company_id,phone),
        FOREIGN KEY (company_id ) REFERENCES companies(company_id ) ON DELETE
CASCADE ON UPDATE CASCADE);

INSERT INTO c_phone VALUES ('goo_dev',99576869);
INSERT INTO c_phone VALUES ('goo_mar',99576869);
INSERT INTO c_phone VALUES ('goo_mar',99574536);
INSERT INTO c_phone VALUES ('fb_dev',90856869);
INSERT INTO c_phone VALUES ('ms_dev',96549436);
INSERT INTO c_phone VALUES ('ms_dev',98653265);




CREATE VIEW stud_info AS SELECT students.roll_num, students.first_name,
students.last_name, students.std_course, students.std_branch, students.std_year,
student_login.std_username,
student_login.std_password,std_registered.resume_1,std_registered.resume_2
FROM students INNER JOIN   student_login ON students.roll_num=student_login.roll_num
INNER JOIN   std_registered ON students.roll_num=std_registered.roll_num;
```

```
CREATE VIEW company_info AS SELECT companies.company_id,
companies.company_name, companies.job_profile, companies.c_password,
companies.c_email
FROM companies ;

CREATE VIEW stud_basic_info AS SELECT std_registered.roll_num, students.first_name,
students.last_name ,student_login.std_username
FROM std_registered INNER JOIN  students ON std_registered.roll_num=students.roll_num
INNER JOIN  student_login ON std_registered.roll_num=student_login.roll_num;

DROP USER 'student_manager'@'localhost';
CREATE USER 'student_manager'@'localhost' IDENTIFIED BY 'pass1';
GRANT SELECT, INSERT,DELETE,UPDATE ON placement_portal.stud_info TO
student_manager@localhost IDENTIFIED  BY 'pass1';



DROP USER 'company_manager'@'localhost';
CREATE USER 'company_manager'@'localhost' IDENTIFIED BY 'pass2';
GRANT SELECT, INSERT,DELETE,UPDATE ON placement_portal.company_info TO
company_manager@localhost IDENTIFIED  BY 'pass2';
```

Functional Dependencies and Normal Forms:

roll_num	: RN	company_id	: CID
first_name	: FN	company_name	: CN
last_name	: LN	c_password	: CP
std_username	: SU	c_email	: CE
std_password	: SP	phone	: CPH
std_phone	: SPH	job_profile	: JP
std_course	: SC		
std_branch	: SB	placed	: PD
std_email	: SE		
std_year	: SY		
resume_1	: R1		
resume_2	: R2		
CPI	: C		

1. Students Table :
RN ---> RN FN LN SC SY SB

Since there is a PRIMARY KEY, no partial or transitive dependencies and no overlapping candidate keys
Therefore it is in   BCNF

2. Registered Students Table :
RN ---> RN R1 R2 C
Since there is a PRIMARY KEY, no partial or transitive dependencies and no overlapping candidate keys
Therefore it is in   BCNF

3. Students Application Table :
RN CID ---> RN CID PD
Since there is a PRIMARY KEY, no partial or transitive dependencies and no overlapping candidate keys
Therefore it is in   BCNF

4. Companies Table :
CID ---> CID CN CP CE JP
Since there is a PRIMARY KEY, no partial or transitive dependencies and no overlapping candidate keys
Therefore it is in   BCNF

5. Company Phone Table :
CPH CID--->CPH CID

Since there is a PRIMARY KEY, no partial or transitive dependencies and no overlapping candidate keys
Therefore it is in   BCNF

6. Student Login Table
RN ---> RN SU SP
SU ---> RN SU SP

Since there is a primary key, therefore It is in 1NF
Since there are no partial dependencies, therefore it is in 2NF
But since there is a transitive dependency (RN--->SU , SU--->SP) , therefore it is not in 3NF

7. Student Phone Table
SPH ---> SPH RN
Since there is a PRIMARY KEY, no partial or transitive dependencies and no overlapping candidate keys
Therefore it is in   BCNF

7. Student Email Table
SE ---> SE RN
Since there is a PRIMARY KEY, no partial or transitive dependencies and no overlapping candidate keys
Therefore it is in   BCNF

Queries that we used for fetching and updating the database :

We first created views using inner join then we used these views in the queries.

§ CREATE VIEW **stud_info** AS SELECT students.roll_num, students.first_name, students.last_name, students.std_course, students.std_branch, students.std_year, student_login.std_username, student_login.std_password,std_registered.resume_1,std_registered.resume_2
FROM students INNER JOIN   student_login ON students.roll_num=student_login.roll_num
INNER JOIN   std_registered ON students.roll_num=std_registered.roll_num;

§ CREATE VIEW **company_info** AS SELECT companies.company_id, companies.company_name, companies.job_profile, companies.c_password, companies.c_email FROM companies ;

§ CREATE VIEW **stud_basic_info** AS SELECT std_registered.roll_num, students.first_name, students.last_name ,student_login.std_username
FROM std_registered INNER JOIN students ON std_registered.roll_num=students.roll_num
INNER JOIN student_login ON std_registered.roll_num=student_login.roll_num;

1.   Companies.php
$sql = "select * from companies ";

To print the list companies with their profiles

2.   Company_insert.php

```
$sql = "insert into companies(company_id,company_name,job_profile,c_password,c_email)
values('".$CompanyID."','".$CompanyName."','".$JobProfile."','".$Password."','".$Email."')";
$sql2 = "insert into c_phone(company_id,phone) values('".$CompanyID."','".$Mobile."')";
```

To insert the data of the new registering company into companies and c_phone respectively

3.   Login.php

```
$sql = "select * from company_info where company_id='".$UserName."' and
c_password='".$Password."'";
$sql = "select * from stud_info where std_username='".$UserName."' and
std_password='".$Password."'";
```

For login of companies and students respectively

4.   New_reg_stud_Insert.php

```
$sql = "SELECT * from  student_login where std_username='$UserName'";
$sql = "insert into  std_registered(roll_num,resume_1,resume_2,CPI)
values('".$RollNum."','".$path1."','".$path2."','".$Cpi."')";
```

To insert the data of the new registering student

5.   Company -> Profile.php

```
$sql = "select * from company_info where company_id ='".$ID."'  ";
$sql = "select * from c_phone where company_id ='".$ID."'  ";
```

To display company profile

6.   Company -> EditProfile.php

```
$sql = "select * from company_info where company_id ='".$ID."'  ";
$sql = "select * from c_phone where company_id ='".$ID."'  ";
$sql = "select * from company_info where company_id ='".$ID."'  ";
```

For editing company info

7.   Company ->UpdateProfile.php

```
$sql = "Update companies set
c_email='".$txtEmail."',job_profile='".$txtArea."',c_password='".$txtPassword."'
Where company_id='".$txtId."'";
```

To update the company profile

8.   Student -> Profile.php

```
$sql = "select * from stud_info where roll_num='".$ID."'  ";
$sql = "select * from students_phone where roll_num ='".$ID."'  ";
$sql = "select * from student_emails where roll_num ='".$ID."'  ";
```

To display the student profile

9.   Student ->EditProfile.php

```
$sql = "select * from students where roll_num ='".$ID."'  ";
$sql = "select * from students_phone where roll_num ='".$ID."'  ";
$sql = "select * from student_emails where roll_num ='".$ID."'  ";
$sql = "select * from std_registered where roll_num ='".$ID."'  ";
 $sql = "select * from student_login where roll_num ='".$ID."'  ";
```

To edit student info

10. Student -> register_ajax.php

```
$sql="select roll_num from stud_basic_info where std_username='$add[1]'";
$sql="insert into std_applied (roll_num,company_id) values('$roll','$add[0]')  ";
```

To register a student for a company

11. Student -> Show_detail.php

```
$sql="select roll_num from  stud_basic_info where std_username='$add[1]'";
$sql=" select company_id from  std_applied where roll_num=$roll and company_id='$add[0]'";
```

12. Student -> Unregister_ajax.php

```
$sql=" select roll_num from  stud_basic_info where std_username='$add[1]'";
$sql="delete from std_applied where roll_num=$roll and company_id='$add[0]'  " ;
```

To unregister a student from a company

Some Screen Shots :
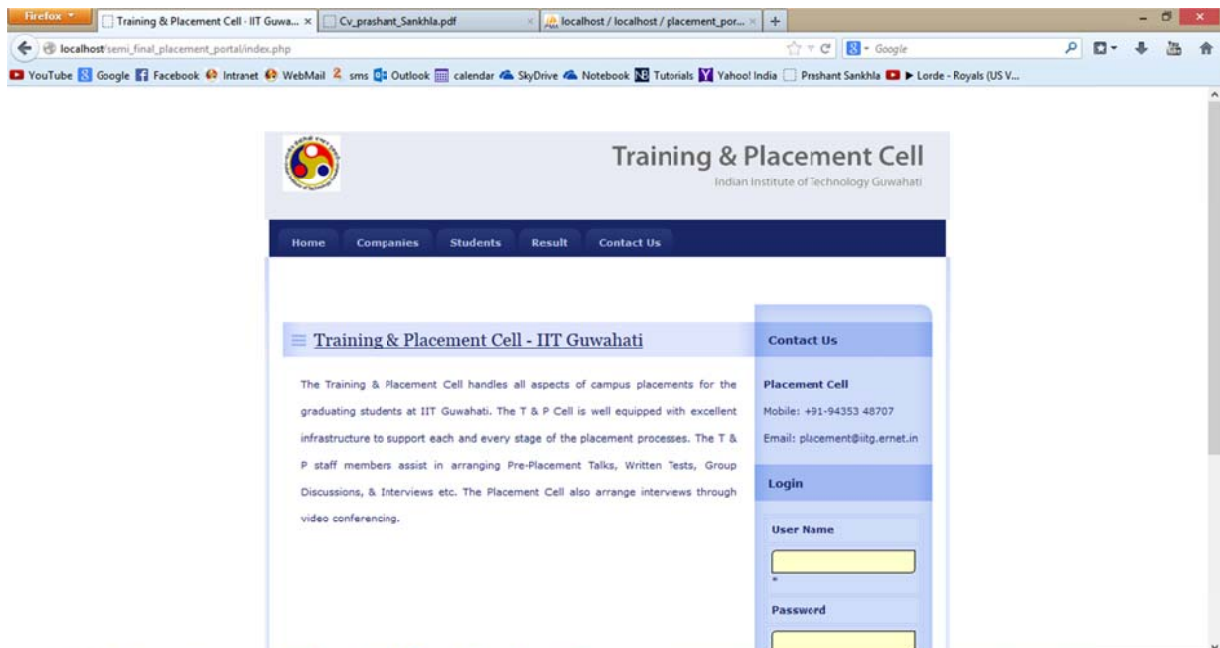
Home   Companies   Students   Result   Contact Us

≡ List of Registered Students

Roll Num	Registered Students	User Name
11010146	Naveen Sahu	n.sahu
11010163	Shashi Kant	s.kant
11010630	Priyanka Tata	p.tata
11010639	Tishya Pandey	t.pandey
11010723	Khushi Kant	k.kant
11012312	Parik Gupta	g.parik
11012319	Lokesh Meena	l.meena
11012322	Naveen Chaudhary	n.chaudhary
11012327	Prashant Sankhla	p.sankhla

Register Here

Contact Us

Placement Cell

Mobile: +91-94353 48707

Email: placement@iitg.ernet.in

Login

User Name

[   ]
*

Password

[   ]
*

User Type

[student   ▾]

Login

localhost/semi_final_placement_portal/reg_students.php#

Downloads   ENG   10:23 PM   4/24/2014

Training & Placement Cell
Indian Institute of Technology Guwahati

Home   Companies   Students   Result   Contact Us

≡ List Of Companies

Roll Number	Student Name	Company Name	Job Profile
11010630	Priyanka Tata	Google	Marketing
11012327	Prashant Sankhla	NetApp	Developer
11010146	Naveen Sahu	Capital IQ	Developer

Contact Us

Placement Cell

Mobile: +91-94353 48707

Email: placement@iitg.ernet.in

Login

User Name

[   ]
*

Password

[   ]

Downloads   ENG   10:23 PM   4/24/2014

Contact Us

Contact Us

	Placement Portal **IIT Guwahati,** **Guwahati** **Pincode:781039**
	Mobile: +91-94353 48707
	Email: placement@iitg.ernet.in
	Website: http://www.iitg.ac.in/

Contact Us

Placement Cell

Mobile: +91-94353 48707

Email: placement@iitg.ernet.in

Login

User Name

Password

User Type

student

Login

Training & Placement Cell
Indian Institute of Technology Guwahati

Home   Profile   Logout

Welcome Google

Company ID:	goo_mar
Company Name:	Google
Profile:	Marketing
Email:	goo@hotmail.com
Phone:	9957453674
	9957686925
	Edit Profile

Welcome

Google

Training & Placement Cell
Indian Institute of Technology Guwahati

Home   Profile   Logout

Welcome Google

Students Who Applied

| 11010630 | ☑ |
| 11012319 | ☐ |

Welcome

Google

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Home   Profile   Logout

Welcome Google

Company ID:	goo_mar	
Email:	goo@hotmail.com	
Phone:	9957453674	9957686925
Profile:	Marketing	
Password:	•••	
	Submit	

Welcome

Google

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Home | **Profile** | **Registration For Companies** | **Logout**

Welcome p.sankhla

Name:	Prashant
Roll Number:	11012327
Course:	B.Tech
Branch:	Civil
Year:	2015
Phone:	9801456214
Email:	p.sankhla@iitg.ernet.in
User Name:	p.sankhla
Resume 1:	View Cv_prashant_Sankhla.pdf
Resume 2:	View prashant_Sankhla_Cv.pdf
	Edit Profile

Welcome

p.sankhla

Training & Placement Cell
Indian Institute of Technology Guwahati

Home | **Profile** | **Registration For Companies** | **Logout**

Welcome p.sankhla

Phone:	9801456214	A value is required.
Email:	p.sankhla@iitg.ernet.in	A value is required.
CPI:	9.72	A value is required.
Upload Cv1	Browse.. No file selected.	Cv_prashant_Sankhla.pdf
Upload Cv2 :	Browse.. No file selected.	prashant_Sankhla_Cv.pdf
Password:	•••	A value is required.
	Submit	

Welcome

p.sankhla