

Chandigarh College of Engineering & Technology (Degree Wing)



Department of Computer Science and Engineering Database Systems (Practical)

CS 352

Practical - 5

DOP: - 02/08/2024

DOS:-09/08/2024

Submitted By:

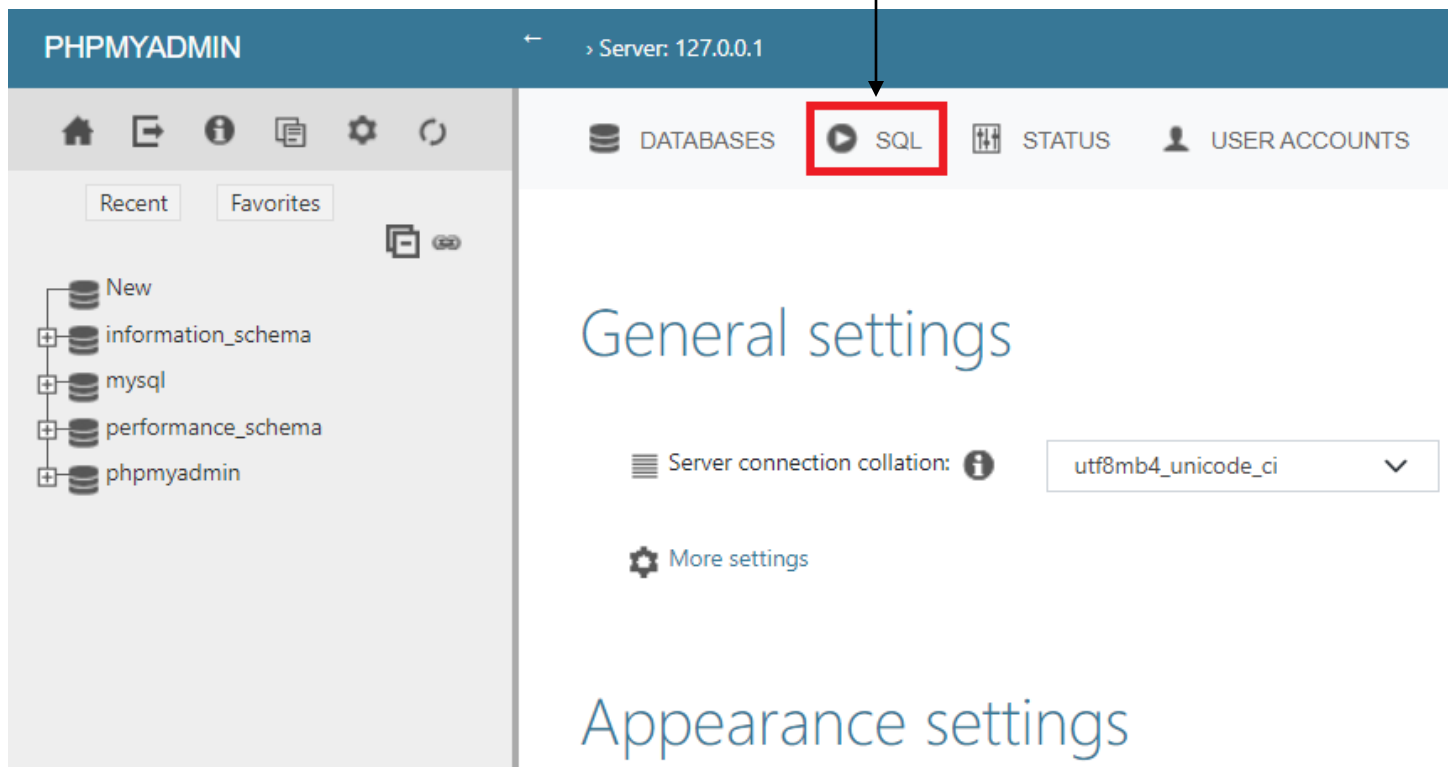
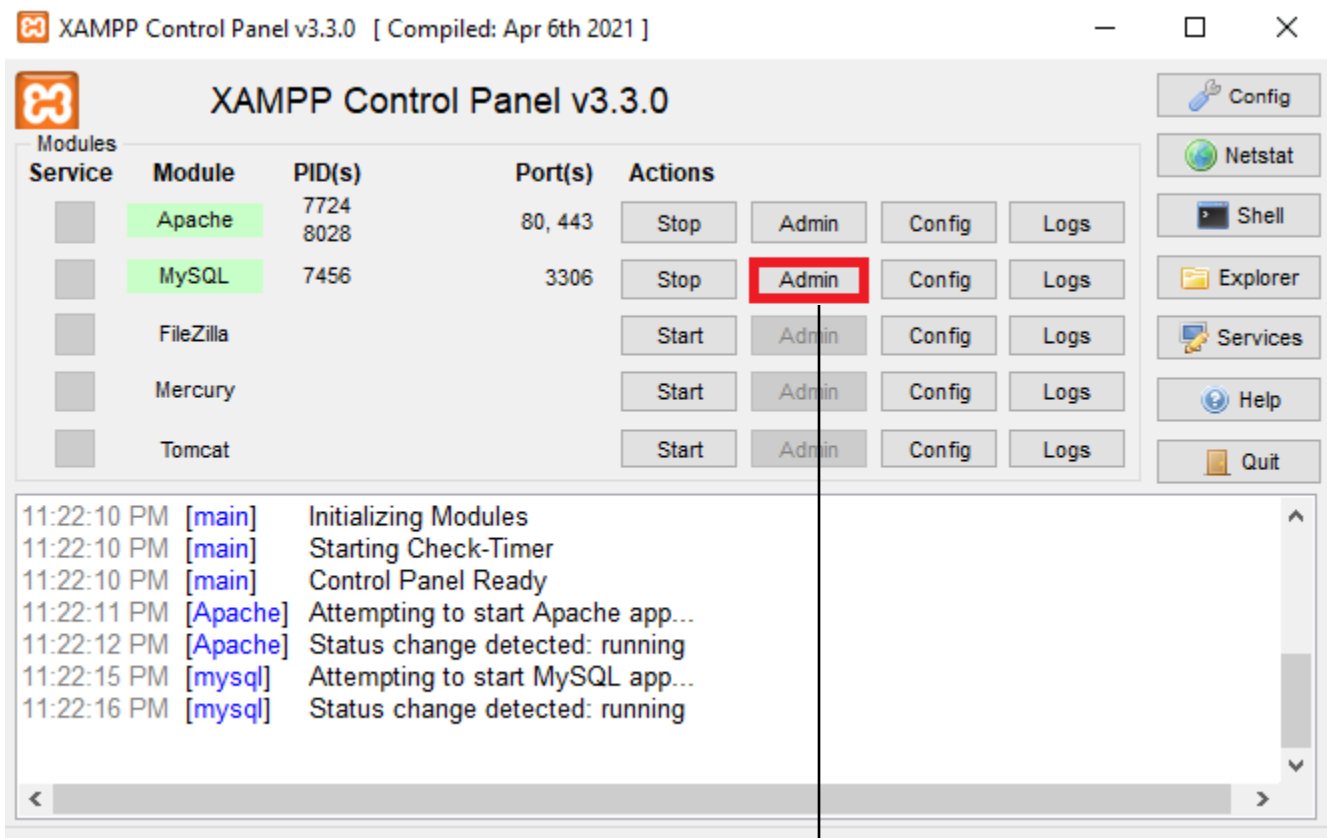
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(Roll No: - CO23306)

Submitted To:

Dr. Dheerendra Singh
CSE Department

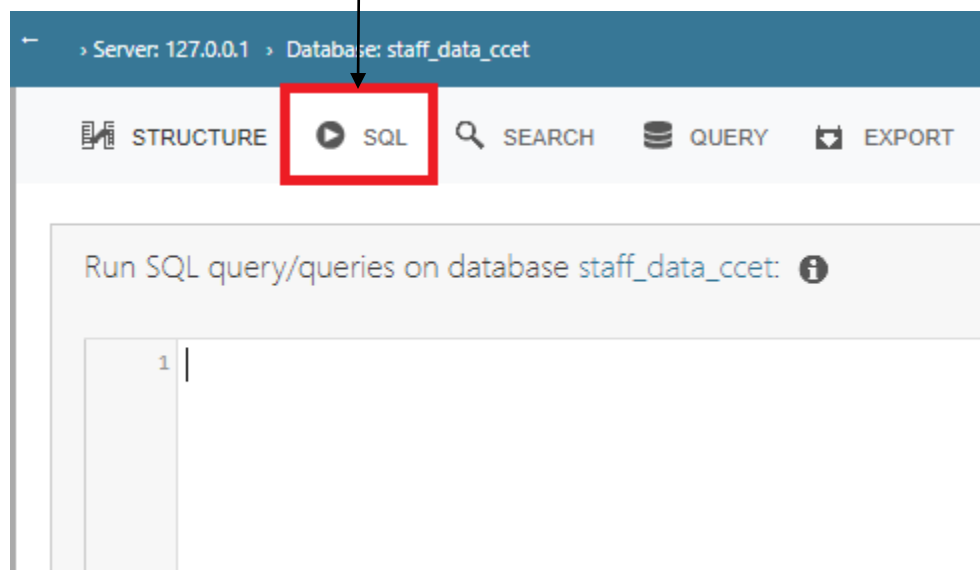
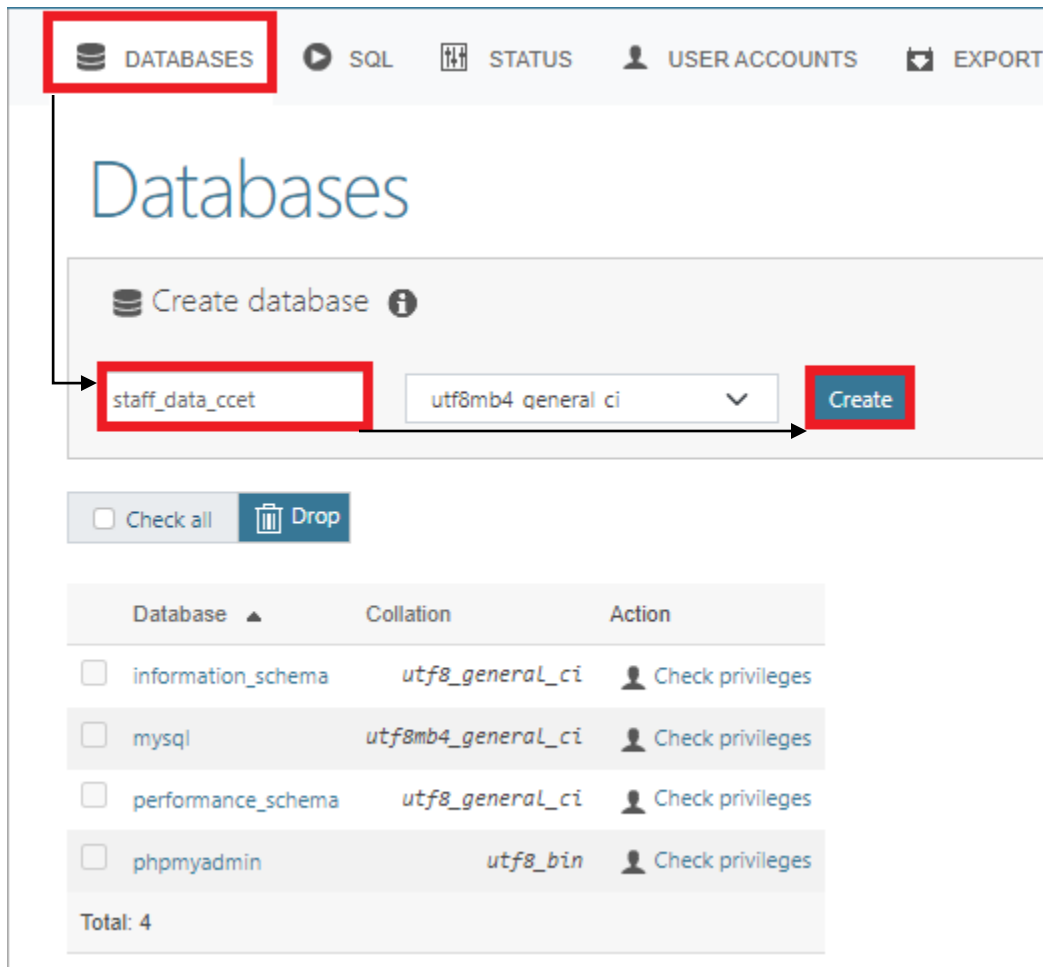
STEP 1:- Starting XAMPP.

- Open the “XAMPP” Control Panel and start the Apache and MySQL services, by clicking on start and then admin.
- The “phpMyAdmin” will open in your default web browser.



Step 2:- Making a new database

- Now go to databases and create a new database name as “**staff_data_ccet**”.
- Go to “**SQL**” in your new database.



Step 3:- Making tables and Relations

➤ TABLE – 1 :- “Official details of non-teaching staff”

SQL Query for table 1:-

```
CREATE TABLE `non_teaching_staff`
( `NAME` varchar(50) NOT NULL, `GENDER` varchar(50) NOT NULL, `EMAIL_ID` varchar(50) NOT NULL, `DESIGNATION-ID` int(50) NOT NULL, `DEPARTMENT-ID` int(50) NOT NULL )
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

BROWSE STRUCTURE SQL SEARCH INSERT

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.)

```
SELECT * FROM `non_teaching_staff`
```

☐ Profiling

NAME GENDER EMAIL_ID DESIGNATION-ID DEPARTMENT-ID

Inserting tuples in table 1:- Go to insert to add tuples in your table.

BROWSE STRUCTURE SQL SEARCH INSERT EXPORT IMPORT PRIVILEGES

| Column | Type | Function | Null | Value |
|----------------|-------------|----------|------|-----------------------|
| NAME | varchar(50) | | | Mr. Sunil Dutt Sharma |
| GENDER | varchar(50) | | | M |
| EMAIL_ID | varchar(50) | | | sunildutt@ccet.ac.in |
| DESIGNATION-ID | int(50) | | | 5 |
| DEPARTMENT-ID | int(50) | | | d |

Go

✓ Showing rows 0 - 32 (33 total, Query took 0.0003 seconds.)

SELECT * FROM `non_teaching_staff`






| NAME | GENDER | EMAIL_ID | DESIGNATION-ID | DEPARTMENT-ID |
|--------------------------|--------|-------------------------------|----------------|---------------|
| Mr. Sunil Dutt Sharma | M | sunildutt@ccet.ac.in | 5 | 6 |
| Mr. Jaspal Singh | M | jaspalsingh@ccet.ac.in | 6 | 6 |
| Mr. Mange Ram | M | mangeram@ccet.ac.am | 7 | 16 |
| Mr. Ashish Kumar Kaundal | M | ashishkumarkaundal@ccet.ac.au | 10 | 18 |
| Mr. Manish Kumar | M | manishkumar@ccet.ac.um | 10 | 18 |
| Mrs. Shalini Wasom | F | shaliniwasom@ccet.ac.as | 11 | 15 |
| Mrs. Garima | F | garima@ccet.ac.ar | 13 | 16 |
| Mr. Sanjive | M | sanjive@ccet.ac.an | 14 | 6 |
| Mrs. Mokesh Kumari | F | mokeshkumari@ccet.ac.um | 15 | 2 |
| Mrs. Romica | F | romica@ccet.ac.om | 15 | 2 |
| Mr. Yuvraj | M | yuvraj@ccet.ac.uv | 15 | 2 |
| Mr. Amit Kumar | M | amitkumar@ccet.ac.um | 16 | 5 |
| Mr. Birinder Singh | M | birindersingh@ccet.ac.in | 16 | 3 |
| Mr. Gurpreet Singh | M | gurpreetsingh@ccet.ac.in | 16 | 4 |
| Mr. Harmeet Singh | M | harmeetsingh@ccet.ac.in | 16 | 1 |
| Mr. Maninder Singh | M | manindersingh@ccet.ac.in | 16 | 4 |
| Mr. Preet Karan Singh | M | preetkaransingh@ccet.ac.in | 16 | 3 |
| Mr. Rajesh Kumar | M | rajeshkumar@ccet.ac.um | 16 | 3 |
| Mr. Surinder Sharma | M | surindersharma@ccet.ac.ha | 16 | 3 |
| Mrs. Vandana Sharma | M | vandanasharma@ccet.ac.ha | 16 | 2 |
| Mr. Malkeet Singh | M | malkeetsingh@ccet.ac.in | 17 | 24 |
| Mr. Manoj Kumar | M | manojkumar@ccet.ac.um | 17 | 24 |
| Mr. Karamjit Kaur | F | karamjitkaur@ccet.ac.au | 18 | 15 |
| Mr. Amarjeet Yadav | M | amarjeetyadav@ccet.ac.ad | 19 | 19 |
| Mr. Puneet | M | puneet@ccet.ac.un | 20 | 19 |


| NAME | GENDER | EMAIL_ID | DESIGNATION-ID | DEPARTMENT-ID |
|-----------------------|--------|---------------------------|----------------|---------------|
| Mr. Vinay Gandhi | M | vinaygandhi@ccet.ac.an | 21 | 16 |
| Mr. Davinder Kumar | M | davinderkumar@ccet.ac.um | 21 | 17 |
| Ms. Neha Rani | F | neharani@ccet.ac.an | 21 | 16 |
| Mr. Sunil Dutt Sharma | M | sunildutt@ccet.ac.in | 22 | 6 |
| Mr. Gurjinder Singh | M | gurjindersingh@ccet.ac.in | 23 | 19 |
| Monika Thakral | F | thakral@ccet.ac.ha | 24 | 6 |
| Mr. Anil Kumar | F | anilkumar@ccet.ac.um | 24 | 6 |
| Mrs Lalita Sharma | F | lalitasharma@ccet.ac.ha | 25 | 6 |

➤ **TABLE 2:- “Personal details of teaching staff”**

SQL Query for table 2:-

```
CREATE TABLE `personal_detail_teaching` ( `NAME` varchar(50) NOT NULL, `AGE` int(50) NOT NULL,
`GENDER` varchar(50) NOT NULL, `PHONE NUMBER` varchar(10) NOT NULL )
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

 BROWSE
 STRUCTURE
 SQL
 SEARCH
 INSERT










 MySQL returned an empty result set (i.e. zero rows). (Query took 0.0009 seconds.)

```
SELECT * FROM `personal_detail_teaching`
```

☐ Profiling

NAME AGE GENDER PHONE NUMBER

Inserting tuples in table 2:- Go to insert to add tuples in your table

 BROWSE  STRUCTURE  SQL  SEARCH  INSERT  EXPORT  IMPORT  PRIVILEGES 

| Column | Type | Function | Null | Value |
|--------------|-------------|----------------------|------|--|
| NAME | varchar(50) | <input type="text"/> | | <input type="text" value="Varun Gupta"/> |
| AGE | int(50) | <input type="text"/> | | <input type="text" value="45"/> |
| GENDER | varchar(50) | <input type="text"/> | | <input type="text" value="M"/> |
| PHONE NUMBER | varchar(10) | <input type="text"/> | | <input type="text" value="9646047091"/> |

Go

✓ Showing rows 0 - 39 (40 total, Query took 0.0003 seconds.)

```
SELECT * FROM `personal_detail_teaching`
```

| NAME | AGE | GENDER | PHONE NUMBER |
|----------------------------|-----|--------|--------------|
| Varun Gupta | 45 | M | 9646047091 |
| Manveen Kaur | 35 | F | 9988957007 |
| Parul Aggarwal | 43 | F | 8437911722 |
| Neha | 35 | F | 9646614209 |
| Rajesh Kumar | 51 | M | 9478548248 |
| Aradhana Mehta | 57 | F | 8054977561 |
| Mohammad Sakib Perwez Khan | 37 | M | 7839452836 |
| Poonam | 40 | F | 8968399719 |
| Anil Kumar | 42 | M | 9816290720 |
| Karuna Sharma | 41 | F | 8283833589 |
| Arfat Ahmed | 39 | M | 8860736206 |
| Sunil Kumar Singh | 42 | M | 9818182457 |
| Ram Bahadur Patel | 56 | M | 9416932840 |

| NAME | AGE | GENDER | PHONE NUMBER |
|----------------------|-----|--------|--------------|
| Dheerendra Singh | 45 | M | 9876439071 |
| Gulshan Goyal | 41 | M | 9417506206 |
| Sunita | 42 | F | 9041059379 |
| Amit Chhabra | 41 | M | 9888623825 |
| Ankit Gupta | 41 | M | 9412314479 |
| Sarabjeet Singh | 44 | M | 9463739413 |
| Sudhakar Kumar | 34 | M | 8434518635 |
| Animesh Singh | 38 | M | 9584035345 |
| Davinder Singh Saini | 46 | M | 8146730369 |
| Krishan Gopal Sharma | 44 | M | 9414403565 |
| Bhasker Gupta | 42 | M | 9855908643 |
| Anil Kumar | 42 | M | 9416334853 |
| Dr Parvinder Kaur | 40 | F | 8295688911 |
| Shilpa Jindal | 41 | F | 9463328881 |
| Dinesh Sharma | 39 | M | 9671721850 |
| Irfan Ahmad Khan | 43 | M | 7835847022 |
| Sarita Sharma | 45 | F | 9988292611 |
| Hardeep Saini | 36 | M | 9914611106 |
| Anil Kumar Vaghmare | 44 | M | 6284561607 |
| Jatinder Madan | 52 | M | 9041291970 |
| Vettivel S C | 42 | M | 9865822376 |
| Radhey Sham | 46 | M | 9888040982 |
| Mukesh Kumar | 40 | M | 9478420561 |
| Vinod Chauhan | 40 | M | 9466736896 |
| Ashwani Kumar | 40 | M | 9872823250 |
| Rajiv Kumar | 37 | M | 9877887402 |
| Nipun Sharma | 39 | M | 9877726260 |

➤ TABLE 3:- “Official details of teaching staff”

SQL Query for table 3:-

```
CREATE TABLE `teaching official data`
( `NAME` varchar(50) NOT NULL, `QUALIFICATION` varchar(50) NOT NULL, `DESIGNATION` varchar(
50) NOT NULL, `DEPARTMENT` varchar(50) NOT NULL, `DESIGNATION_ID` int(11) NOT NULL, `DEP
ARTMENT_ID` int(11) NOT NULL, `E-MAIL` varchar(50) NOT NULL, `ROOM
NO.` varchar(50) NOT NULL, `JOINING DATE` date NOT NULL, `EXPERIENCE
(MONTHS)` varchar(50) NOT NULL, `ASSOCIATION TYPE` varchar(50) NOT NULL )
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
```

BROWSE STRUCTURE SQL SEARCH INSERT EXPORT IMPORT PRIVILEGES OPERATIONS MOI

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.)

`SELECT * FROM `teaching official data``

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

| NAME | QUALIFICATION | DESIGNATION | DEPARTMENT | DESIGNATION_ID | DEPARTMENT_ID | E-MAIL | ROOM NO. | JOINING DATE | EXPERIENCE (MONTHS) | ASSOCIATION TYPE |
|------|---------------|-------------|------------|----------------|---------------|--------|----------|--------------|---------------------|------------------|
|------|---------------|-------------|------------|----------------|---------------|--------|----------|--------------|---------------------|------------------|

Inserting tuples in table 3:- Go to insert to add tuples in your table

BROWSE STRUCTURE SQL SEARCH **INSERT** EXPORT IMPORT PRIVILEGES

| Column | Type | Function | Null | Value |
|----------------|-------------|----------|------|------------------------|
| NAME | varchar(50) | | | Amit Chhabra |
| QUALIFICATION | varchar(50) | | | Ph.D |
| DESIGNATION | varchar(50) | | | Assistant Professor |
| DEPARTMENT | varchar(50) | | | Computer Science Engg. |
| DESIGNATION_ID | int(11) | | | 4 |

✓ Showing rows 0 - 39 (40 total, Query took 0.0004 seconds.)

`SELECT * FROM `teaching official data``

| NAME | QUALIFICATION | DESIGNATION | DEPARTMENT | DESIGNATION_ID | DEPARTMENT_ID | E-MAIL | ROOM NO. | JOINING DATE | EXPERIENCE (MONTHS) | ASSOCIATION TYPE |
|----------------------------|---------------|---------------------|--------------------------------------|----------------|---------------|--------------------------|------------------------|--------------|---------------------|---------------------|
| Amit Chhabra | Ph.D | Assistant Professor | Computer Science Engg. | 4 | 1 | amitchhabra@ccet.ac.in | 421, Block-A | 2016-11-07 | 238 | Regular |
| Anil Kumar | M.Tech | Assistant Professor | Civil Engg. | 4 | 4 | anilkumar@ccet.ac.in | 326, Block-B | 2016-06-10 | 222 | Regular |
| Anil Kumar Rose | Ph.D | Professor | Electronics and Communications Engg. | 3 | 2 | anilrose@ccet.ac.in | 314, Block-A | 2016-06-15 | 222 | Regular |
| Anil Kumar Vaghmare | Ph.D | Assistant Professor | Electronics and Communications Engg. | 4 | 2 | anilvaghmare@ccet.ac.in | 303, Block-A | 2018-05-09 | 249 | Regular |
| Animesh Singh | M.Tech | Assistant Professor | Computer Science Engg. | 4 | 1 | animeshsingh@ccet.ac.in | 422, Block-A | 2017-04-26 | 192 | Regular |
| Ankit Gupta | Ph.D | Assistant Professor | Computer Science Engg. | 4 | 1 | ankit@ccet.ac.in | 423, Block-A | 2016-03-04 | 168 | Regular |
| Aradhana Mehta | Ph.D | Associate Professor | Civil Engg. | 4 | 4 | amehta@ccet.ac.in | Block B | 2017-10-10 | 360 | Regular |
| Arfat Ahmed | M.Tech | Assistant Professor | Civil Engg. | 4 | 4 | arfat@ccet.ac.in | Block-B | 2017-11-01 | 170 | Regular |
| Ashwani Kumar | Ph.D | Assistant Professor | Mechanical Engg. | 4 | 3 | ashwanikumar@ccet.ac.in | 301, Block-B | 2016-01-01 | 216 | Regular |
| Bhasker Gupta | Ph.D | Professor | Electronics and Communications Engg. | 3 | 2 | bgupta@ccet.ac.in | Block-A | 2015-12-23 | 252 | Regular |
| Davinder Singh Saini | Ph.D | Professor / HOD | Electronics and Communications Engg. | 2 | 2 | dssaini@ccet.ac.in | 315, Block-A | 2015-09-30 | 251 | Regular |
| Dheerendra Singh | Ph.D | Professor | Computer Science Engg. | 3 | 1 | dsingh@ccet.ac.in | 414, Block-A | 2016-01-01 | 238 | Regular |
| Dinesh Sharma | Ph.D | Assistant Professor | Electronics and Communications Engg. | 4 | 2 | dsharma@ccet.ac.in | 323, Block-A | 2018-04-20 | 156 | Regular |
| Gulshan Goyal | Ph.D | Assistant Professor | Computer Science Engg. | 4 | 1 | gulshangoyal@ccet.ac.in | 425, Block-A | 2016-03-04 | 244 | Regular |
| Hardeep Saini | M.Tech | Assistant Professor | Electronics and Communications Engg. | 4 | 2 | hsaini@ccet.ac.in | 321, Block-A | 2018-04-20 | 168 | Regular |
| Irfan Ahmad Khan | Ph.D | Assistant Professor | Electronics and Communications Engg. | 4 | 2 | iakhan@ccet.ac.in | 325, Block-A | 2018-05-07 | 222 | Regular |
| Jatinder Madan | Ph.D | Professor / HOD | Mechanical Engg. | 2 | 3 | jatindermadan@ccet.ac.in | 308, Block-B | 2014-07-19 | 348 | Regular |
| Karuna Sharma | M.E. | Assistant Professor | Civil Engg. | 4 | 4 | karunasharma@ccet.ac.in | 204, Block-B | 2016-12-02 | 180 | Regular |
| Krishan Gopal Sharma | Ph.D | Professor | Electronics and Communications Engg. | 3 | 2 | kgsharma@ccet.ac.in | Block-A | 2015-10-01 | 236 | Regular |
| Manveen Kaur | Ph.D | Assistant Professor | Applied Science | 4 | 5 | manveenkaur@ccet.ac.in | Ground Floor, Block-A | 2013-12-11 | 108 | Adhoc / Contractual |
| Mohammad Sakib Perwez Khan | M.Tech | Assistant Professor | Civil Engg. | 4 | 4 | sakib786@ccet.ac.in | 418, Block-B | 2016-01-16 | 156 | Regular |
| Mukesh Kumar | Ph.D | Assistant Professor | Mechanical Engg. | 4 | 3 | mukeshkumar@ccet.ac.in | 417, Block-B | 2016-02-08 | 192 | Regular |
| Neha | M.Sc. | Assistant Professor | Applied Science | 4 | 5 | neha@ccet.ac.in | Chemistry Lab, Block-A | 2013-12-10 | 106 | Adhoc / Contractual |

| NAME | QUALIFICATION | DESIGNATION | DEPARTMENT | DESIGNATION_ID | DEPARTMENT_ID | E-MAIL | ROOM NO. | JOINING DATE | EXPERIENCE (MONTHS) | ASSOCIATION TYPE |
|-------------------|---------------|---------------------|--------------------------------------|----------------|---------------|-------------------------|--------------|--------------|---------------------|---------------------|
| Nipun Sharma | M.Tech | Assistant Professor | Mechanical Engg. | 4 | 3 | nipun@ccet.ac.in | Block-B | 2008-07-21 | 213 | Adhoc / Contractual |
| Parul Aggarwal | Ph.D | Assistant Professor | Applied Science | 4 | 5 | parul@ccet.ac.in | 115, Block-A | 2004-08-02 | 216 | Adhoc / Contractual |
| Parvinder Kaur | Ph.D | Assistant Professor | Electronics and Communications Engg. | 4 | 2 | pkaur@ccet.ac.in | 322, Block-A | 2018-04-23 | 220 | Regular |
| Poonam | M.Tech | Assistant Professor | Civil Engg. | 4 | 4 | poonam@ccet.ac.in | 318, Block-B | 2016-06-10 | 204 | Regular |
| Radhey Sham | Ph.D | Assistant Professor | Mechanical Engg. | 4 | 3 | radheysham@ccet.ac.in | 325, Block-B | 2016-01-01 | 241 | Regular |
| Rajesh Kumar | Ph.D | Professor / HOD | Civil Engg. | 2 | 4 | rajshaastha@ccet.ac.in | 305, Block-B | 2004-08-02 | 312 | Regular |
| Rajiv Kumar | M.Tech | Assistant Professor | Mechanical Engg. | 4 | 3 | rajivkumar@ccet.ac.in | 317, Block-B | 2008-07-21 | 181 | Adhoc / Contractual |
| Ram Bahadur Patel | Ph.D | Professor | Computer Science Engg. | 3 | 1 | rbpatel@ccet.ac.in | 413, Block-A | 2014-12-12 | 348 | Regular |
| Sarabjeet Singh | Ph.D | Assistant Professor | Computer Science Engg. | 4 | 1 | ssingh@ccet.ac.in | 426, Block-A | 2016-03-04 | 264 | Regular |
| Sarita Sharma | Ph.D | Assistant Professor | Electronics and Communications Engg. | 4 | 2 | saritasharma@ccet.ac.in | 326, Block-A | 2008-07-21 | 216 | Regular |
| Shilpa Jindal | Ph.D | Assistant Professor | Electronics and Communications Engg. | 4 | 2 | shilpajindal@ccet.ac.in | 324, Block-A | 2018-05-02 | 205 | Regular |
| Sudhakar Kumar | M.Tech | Assistant Professor | Computer Science Engg. | 4 | 1 | sudhakar@ccet.ac.in | 416, Block-A | 2016-03-18 | 108 | Regular |
| Sunil Kumar Singh | Ph.D | Professor / HOD | Computer Science Engg. | 2 | 1 | ksingh@ccet.ac.in | 415, Block-A | 2014-12-29 | 241 | Regular |
| Sunita | Ph.D | Assistant Professor | Computer Science Engg. | 4 | 1 | sunita@ccet.ac.in | 424, Block-A | 2016-03-04 | 216 | Regular |
| Varun Gupta | Ph.D | Professor / HOD | Applied Science | 3 | 1 | varungupta@ccet.ac.in | 109, Block-A | 2015-07-22 | 228 | Regular |
| Vettivel S C | Ph.D | Assistant Professor | Mechanical Engg. | 4 | 3 | scvettivel@ccet.ac.in | 310, Block-B | 2016-03-30 | 228 | Regular |
| Vinod Chauhan | M.E. | Assistant Professor | Mechanical Engg. | 4 | 3 | vinodchauhan@ccet.ac.in | 314, Block-B | 2016-01-01 | 176 | Regular |