**API Documentation**

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**Login:**

**Call file:** api/login.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers

username: - User name of teacher/ student or COE

password: - Password of the given username.

category: - 0/1/2 (0 for COE, 1 for teacher, 2 for student)

**E.g.:**

key**=**WnXsEnsDk&username=GCECTB-R17-3018&password=1234&category=2

(NOTE: here “WnXsEnsDk” is not the actual key, it is just shown for clarity of the example)

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “comment” value of which will be “login successful"

E.g.:

{

**status**: "OK",

**comment**: "login successful"

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect username: XYZ” – when the username is not correct.

“incorrect password” – when the password is not correct.

“incorrect category: XYZ” – when the category is anything other than 0 or 1 or 2.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

“undefined parameter: password” – when the parameter “password” is not given.

“undefined parameter: category” – when the parameter “category” is not given.

“server error occurred” – when some server-side error occurs

E.g.1:

{

**status**: "FAIL",

**comment**: "incorrect username: XYZ"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "undefined parameter: key"

}

**Individual Student’s info:**

**Call file:** api/student\_info.php

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

username: - User name of student.

**E.g.:**

api/student\_info.php?key**=**WnXsEnsDk&username=GCECTB-R17-3018

(NOTE: here “WnXsEnsDk” is not the actual key, it is just shown for clarity of the example)

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “result” value of which will be the information of the

student whose username is provided. The result will contain (username, name, department, joining year, semester, registration no, email, contact no)

E.g.:

{

**status**: "OK",

**result**: {

**username**: "GCECTB-R17-3018",

**name**: "RASHED MEHDI",

**department**: "CSE",

**joining year**: 2017,

**semester**: 6,

**registration no**: "",

**email**: "",

**contact no**: ""

}

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect username: XYZ” – when the username is not correct.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

E.g.1:

**Request:**

api/student\_info.php?key**=**WnXsEnsDk&username=GCECTB-R17-3018

**Output:**

{

**status**: "FAIL",

**comment**: "incorrect key: WnXsEnsDk"

}

E.g.2:

**Request:**

api/student\_info.php?key**=**WnXsEnsDk&uname=GCECTB-R17-3018

{

**status**: "FAIL",

**comment**: "undefined parameter: username"

}

**Group Student info:**

**Call file:** api/student\_group\_info.php

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

stream: - can be either of CSE/IT/CT or 1 for all the department

batch\_passout\_year: - passing out year of the batch (e.g. 2021) or 1 for all the passing out year

joining\_year: - joining year (e.g. 2017) or 1 for all the joining year

**NOTE:** *joining\_year* includes all the student that has joined in the year given, this will not include a year lag student. *batch\_passout\_year* on the other hand will include the year lag student and will display all the students who are expected to pass out in the given year.

**E.g.1:**

api/student\_group\_info.php?key**=**WnXsEnsDk&stream=1&batch\_passout\_year=1&joining\_year=2017

This will give all the student data who have joined in the year 2017.

**E.g.2:**

api/student\_group\_info.php?key**=**WnXsEnsDk&stream=CSE&batch\_passout\_year=2021&joining\_year=1

This will give all the student data who will pass out in the year 2021 and the stream is CSE.

(NOTE: here “WnXsEnsDk” is not the actual key, it is just shown for clarity of the example)

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “result” value of which will be an array of information of the

students who met the given criteria. The array will contain (username, name, department, joining year, pass\_out\_year, registration no, email, contact no)

E.g.1:

**Request:**

api/student\_group\_info.php?key**=**WnXsEnsDk&stream=1&batch\_passout\_year=1&joining\_year=2017

**Output:**

{

**status**: "OK",

**result**: [

{

**username**: "GCECTB-R17-3018",

**name**: "RASHED MEHDI",

**department**: "CSE",

**joining year**: 2017,

**semester**: 6,

**registration no**: "",

**email**: "",

**contact no**: ""

},

{

**username**: "GCECTB-R17-1019",

**name**: "RISHAV BANERJEE",

**department**: "CT",

**joining year**: 2017,

**semester**: 6,

**registration no**: "",

**email**: "",

**contact no**: ""

},

{

**username**: "GCECTB-R17-3030",

**name**: "SOUMYA MUKHERJEE",

**department**: "CSE",

**joining year**: 2017,

**semester**: 6,

**registration no**: "",

**email**: "",

**contact no**: ""

},

{

**username**: "GCECTB-R17-2024",

**name**: "SARANYA NAHA ROY",

**department**: "IT",

**joining year**: 2017,

**semester**: 6,

**registration no**: "",

**email**: "",

**contact no**: ""

}

]

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect stream: XYZ” – when the stream is other than CSE/IT/CT/1

“incorrect joining\_year: XYZ” – when the joining year is not 1 or in the format 20XX.

“incorrect batch\_passout\_year XYZ” - when the pass out year is not 1 or in the format

20XX.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: stream” – when the parameter stream is not defined.

“undefined parameter: joining\_year” – when the parameter joining\_year is not

defined.

“undefined parameter: batch\_passout\_year” - when the parameter batch\_passout\_year

is not defined.

E.g.1:

**Request:**

api/student\_group\_info.php?key**=**WnXsEnsDk&stm=CSE&batch\_passout\_year=1&joining\_year=2017

Output:

{

**status**: "FAIL",

**comment**: "undefined parameter: stream"

}

E.g.2:

**Request:**

api/student\_group\_info.php?key**=**WnXsEnsDk&stream=CSE&batch\_passout\_year=1&joining\_year=3017

**Output:**

{

**status**: "FAIL",

**comment**: "incorrect joining year: 3017"

}

**Individual Teacher’s info:**

**Call file:** api/teacher\_info.php

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

username: - User name of teacher.

**E.g.:**

api/teacher\_info.php?key**=**WnXsEnsDk&username=GCECT/F/0001

(NOTE: here “WnXsEnsDk” is not the actual key, it is just shown for clarity of the example)

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “result” value of which will be the information of the

teacher whose username is provided. The result will contain (username, honorary title, first name, last name, department, designation, address, email, contact no)

E.g.:

{

**status**: "OK",

**result**: {

**username**: "GCECTF/0001",

**honorary title**: "Mr"

**first name**: "SAGAR",

**last name**: "MAJUMDAR"

**department**: "CSE",

**designation**: "Assistant professor",

**address**: ""

**email**: "",

**contact no**: ""

}

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect username: XYZ” – when the username is not correct.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

E.g.1:

**Request:**

api/teacher\_info.php?key**=**WnXsEnsDk&username=GCECTF/0001

**Output:**

{

**status**: "FAIL",

**comment**: "incorrect key: WnXsEnsDk"

}

E.g.2:

**Request:**

api/student\_info.php?key**=**WnXsEnsDk&username=GCECTB-R17-3018

{

**status**: "FAIL",

**comment**: "incorrect username: GCECTB-R17-3018"

}

**Group Teacher info:**

**Call file:** api/teacher\_group\_info.php

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

stream: - can be either of CSE/IT/CT or 1 for all the department

**E.g.:**

api/teacher\_group\_info.php?key**=**WnXsEnsDk&stream=CSE

This will give all the teacher’s data who are in CSE department.

(NOTE: here “WnXsEnsDk” is not the actual key, it is just shown for clarity of the example)

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “result” value of which will be an array of information of the

teachers who met the given criteria. The array will contain (username, honorary title, first name, last name, department, designation, email, contact no)

E.g.1:

**Request:**

api/teacher\_group\_info.php?key**=**WnXsEnsDk&stream=CSE

**Output:**

{

**status**: "OK",

**result**: [

{

**username**: "GCECTF/0001",

**honorary title**: "Mr"

**first name**: "SAGAR",

**last name**: "MAJUMDAR"

**department**: "CSE",

**designation**: "Assistant professor",

**address**: ""

**email**: "",

**contact no**: ""

},

{

**username**: "GCECTF/0002",

**honorary title**: "Mr"

**first name**: "PARTHA",

**last name**: "HALDAR"

**department**: "CSE",

**designation**: "Assistant professor",

**address**: ""

**email**: "",

**contact no**: ""

},

{

**username**: "GCECTF/0001",

**honorary title**: "Mr"

**first name**: "KINGSHUK",

**last name**: "CHATERJEE"

**department**: "CSE",

**designation**: "Assistant professor",

**address**: ""

**email**: "",

**contact no**: ""

},

{

**username**: "GCECTF/0001",

**honorary title**: "Mr"

**first name**: "ALOK",

**last name**: "MAJUMDAR"

**department**: "CSE",

**designation**: "Assistant professor",

**address**: ""

**email**: "",

**contact no**: ""

}

]

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect stream: XYZ” – when the stream is other than CSE/IT/CT/1

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: stream” – when the parameter stream is not defined.

E.g.1:

**Request:**

api/teacher\_group\_info.php?key**=**WnXsEnsDk&stm=CSE

**Output:**

{

**status**: "FAIL",

**comment**: "undefined parameter: stream"

}

E.g.2:

**Request:**

api/teacher\_group\_info.php?key**=**WnXsEnsDk&stream=CSTE

**Output:**

{

**status**: "FAIL",

**comment**: "incorrect stream: CSTE"

}

**Add a Student:**

**Call file:** api/add\_student.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers

username: - User name of student.

password: - Password of the new student’s account.

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “comment” value of which will be “student added successfully”

E.g.:

{

**status**: "OK",

**comment**: "student added successfully"

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“username: XYZ already exists” – when the username already exists.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

“undefined parameter: password” – when the parameter “password” is not given.

“server error occurred” – when some server error occurs.

E.g.1:

**Output:**

{

**status**: "FAIL",

**comment**: "username: GCECTB-R17-3018 already exists"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "undefined parameter: password"

}

**Modify a Student’s data:**

**Call file:** api/modify\_student.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers

username: - User name of student.

name: - Name of the student.

department: - department of the student which should be either CSE or IT or CT (cannot be

null)

registration\_no: - registration no of the student or null if not provided

joining\_year: - joining year of the student (cannot be null)

email: - email of the student or null if not provided

contact\_no: - contact no of the student or null if not provided

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “comment” value of which will be “record successfully updated”

E.g.:

{

**status**: "OK",

**comment**: "record successfully updated"

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect username: XYZ” – when the username does not exist.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

“undefined parameter: name” – when the parameter “name” is not given.

“undefined parameter: department” – when the parameter “department” is not given.

“incorrect department: XYZ” – when the parameter “department” is other than

CSE or IT or CT.

“undefined parameter: registration\_no” – when the parameter “registration\_no” is not

given.

“undefined parameter: joining\_year” – when the parameter “joining\_year” is not

given.

“incorrect joining\_year: XYZ” – when the parameter “joining\_year” is not in the

format 20XX.

“undefined parameter: joining\_year” – when the parameter “joining\_year” is not

given.

“undefined parameter: email” – when the parameter “email” is not given.

“undefined parameter: contact\_no” – when the parameter “contact\_no” is not given.

“server error occurred” – when some server error occurs.

E.g.1:

{

**status**: "FAIL",

**comment**: "username: GCECTB-R17-3018 does not exist"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "undefined parameter: joining\_year"

}

**Delete a student:**

**Call file:** api/delete\_student.php

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

username: - User name of student.

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “comment” value of which will be “student deleted”

E.g.:

{

**status**: "OK",

**comment**: "student deleted"

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect username: XYZ” – when the username does not exist.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

E.g.1:

**Output:**

{

**status**: "FAIL",

**comment**: "username: GCECTB-R17-3018 does not exist"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "undefined parameter: key"

}

**Year lag a student:**

**Call file:** api/year\_lag\_student.php

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

username: - User name of student.

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “comment” value of which will be “student deleted”

E.g.:

{

**status**: "OK",

**comment**: "record updated successfully"

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect username: XYZ” – when the username does not exist.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

E.g.1:

**Output:**

{

**status**: "FAIL",

**comment**: "username: GCECTB-R17-3018 does not exist"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "undefined parameter: key"

}

**Add a Teacher:**

**Call file:** api/add\_teacher.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers

username: - User name of teacher.

password: - Password of the new teacher’s account.

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “comment” value of which will be “teacher added successfully”

E.g.:

{

**status**: "OK",

**comment**: "teacher added successfully"

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“username: XYZ already exists” – when the username already exists.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

“undefined parameter: password” – when the parameter “password” is not given.

“server error occurred” – when some server error occurs.

E.g.1:

**Output:**

{

**status**: "FAIL",

**comment**: "username: GCECTF/0001 already exists"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "undefined parameter: password"

}

**Modify a Teacher’s data:**

**Call file:** api/modify\_teacher.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers

username: - User name of teacher.

honorary: - honorary title of the teacher (e.g. Mr/Mrs/Dr/Prof)

fname: - First name of the teacher.

lname: - Last name of the teacher.

department: - department of the teacher which should be either CSE or IT or CT or BSEH

(cannot be null)

designation: - designation of the teacher.

address: - address of the teacher or null if not provided

email: - email of the student or null if not provided

contact\_no: - contact no of the student or null if not provided

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “comment” value of which will be “record successfully updated”

E.g.:

{

**status**: "OK",

**comment**: "record successfully updated"

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect username: XYZ” – when the username does not exist.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

“undefined parameter: honorary” – when the parameter “honorary” is not given.

“undefined parameter: fname” – when the parameter “fname” is not given.

“undefined parameter: lname” – when the parameter “lname” is not given.

“undefined parameter: department” – when the parameter “department” is not given.

“undefined parameter: designation” – when the parameter “designation” is not given.

“incorrect department: XYZ” – when the parameter “department” is other than

CSE or IT or CT or BSEH.

“undefined parameter: address” – when the parameter “address” is not given.

“undefined parameter: email” – when the parameter “email” is not given.

“undefined parameter: contact\_no” – when the parameter “contact\_no” is not given.

“server error occurred” – when some server error occurs.

E.g.1:

{

**status**: "FAIL",

**comment**: "username: GCECTF/0001 does not exist"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "undefined parameter: email"

}

**Delete a Teacher:**

**Call file:** api/delete\_teacher.php

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

username: - User name of teacher.

**Output:**

**Type:** json file

* **If successful:**

First parameter “status” value of which will be “OK”

Second parameter “comment” value of which will be “teacher deleted”

E.g.:

{

**status**: "OK",

**comment**: "teacher deleted"

}

* **If fail:**

First parameter “status” value of which will be “FAIL”

Second parameter “comment” value of which can be either of:

“incorrect key: XYZ” – when the key is not correct.

“incorrect username: XYZ” – when the username does not exist.

“undefined parameter: key” – when the parameter “key” is not given.

“undefined parameter: username” – when the parameter “username” is not given.

E.g.1:

**Output:**

{

**status**: "FAIL",

**comment**: "username: GCECTF/0001 does not exist"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "undefined parameter: key"

}