**API Documentation**

**Content**

1. [Login](#login)
2. [Individual Student’s info](#Individual_st_info)
3. [Group student’s info](#group_st_info)
4. [Individual Teacher’s info](#individual_teacher_info)
5. Group Teacher’s info
6. [Add a student](#add_a_student)
7. [Modify a student’s data](#mod_a_student)
8. [Delete a student](#del_a_student)
9. [Add a teacher](#add_a_teacher)
10. [Modify a teacher’s data](#mod_a_teacher)
11. [Delete a teacher](#del_a_teacher)
12. [Change password](#change_password)
13. [Reset password](#reset_password)

**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, pass out year, registration no, email, contact no)

E.g.:

{

**status**: "OK",

**result**: {

**username**: "GCECTB-R17-3018",

**name**: "RASHED MEHDI",

**department**: "CSE",

**joining year**: 2017,

**pass out year**: 2021,

**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,

**pass out year**: 2021,

**registration no**: "",

**email**: "",

**contact no**: ""

},

{

**username**: "GCECTB-R17-1019",

**name**: "RISHAV BANERJEE",

**department**: "CT",

**joining year**: 2017,

**pass out year**: 2021,

**registration no**: "",

**email**: "",

**contact no**: ""

},

{

**username**: "GCECTB-R17-3030",

**name**: "SOUMYA MUKHERJEE",

**department**: "CSE",

**joining year**: 2017,

**pass out year**: 2021,

**registration no**: "",

**email**: "",

**contact no**: ""

},

{

**username**: "GCECTB-R17-2024",

**name**: "SARANYA NAHA ROY",

**department**: "IT",

**joining year**: 2017,

**pass out year**: 2022,

**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.

Stream: - Stream of the 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 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.

name: - Name of 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: name” – when the parameter “fname” 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"

}

**Change Password:**

**Call file:** api/change\_password.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers

username: - Username.

old\_password – Old password

new\_password – New password

category - should be either 0 or 1 or 2 (0 for COE, 1 for teacher, 2 for student)

**Output:**

**Type:** json file

* **If successful:**

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

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

E.g.:

{

**status**: "OK",

**comment**: "password updated successfully"

}

* **If fail:**

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

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

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

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

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

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

“undefined parameter: old\_password” – when the parameter “old\_password” is not

given.

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

“undefined parameter: new\_password” – when the parameter “new\_password” is not

given.

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

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

E.g.1:

**Output:**

{

**status**: "FAIL",

**comment**: "incorrect username: GCECTF/0001"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "incorrect category: 4"

}

**Reset Password:**

**Call file:** api/reset\_password.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers

username: - Username.

new\_password – New password

category - should be either 0 or 1 or 2 (0 for COE, 1 for teacher, 2 for student)

**Output:**

**Type:** json file

* **If successful:**

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

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

E.g.:

{

**status**: "OK",

**comment**: "password updated successfully"

}

* **If fail:**

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

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

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

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

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

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

“undefined parameter: new\_password” – when the parameter “new\_password” is not

given.

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

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

E.g.1:

**Output:**

{

**status**: "FAIL",

**comment**: "incorrect username: GCECTF/0001"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "incorrect category: 4"

}

**Add a New Subject Code:**

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

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - Username of COE.

password: - password of COE.

subject\_code: - Subject code to add.

paper\_name: - Name of the paper.

**Output:**

**Type:** json file

* **If successful:**

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

Second parameter “comment” value of which will be “subject code added successfully"

E.g.:

{

**status**: "OK",

**comment**: "subject code 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.

“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: subject\_code” – when the parameter “subject\_code” is not

given.

“undefined parameter: paper\_name” – when the parameter “paper\_name” is not

given.

“incorrect username: XYZ”- when the username is incorrect.

“incorrect password”- when the password is incorrect.

“subject code already exists” – when given subject code already exists.

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

E.g.1:

{

**status**: "FAIL",

**comment**: "incorrect key: XYZ"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "subject code: CS502 already exists"

}

**Modify Paper name of a Subject Code:**

**Call file:** api/mod\_subcode.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - Username of COE.

password: - password of COE.

subject\_code: - Subject code to add.

new\_paper\_name: - Modified name of the paper.

**Output:**

**Type:** json file

* **If successful:**

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

Second parameter “comment” value of which will be “paper name modified"

E.g.:

{

**status**: "OK",

**comment**: "paper name modified"

}

* **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.

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

“undefined parameter: subject\_code” – when the parameter “subject\_code” is not

given.

“undefined parameter: new\_paper\_name” – when the parameter

“new\_paper\_name” is not given.

“undefined parameter: username”- when the parameter “username” is not given

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

“incorrect username: XYZ”- when the username is incorrect.

“incorrect password”- when the password is incorrect.

“incorrect subject code: XXX” – when given subject code does not exists.

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

E.g.1:

{

**status**: "FAIL",

**comment**: "incorrect key: XYZ"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "incorrect subject code: CS502f"

}

**Delete a Subject Code:**

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

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - Username of COE.

password: - password of COE.

subject\_code: - Subject code to delete.

**Output:**

**Type:** json file

* **If successful:**

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

Second parameter “comment” value of which will be “subject code deleted"

E.g.:

{

**status**: "OK",

**comment**: "subject code 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.

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

“undefined parameter: subject\_code” – when the parameter “subject\_code” is not

given.

“undefined parameter: new\_paper\_name” – when the parameter

“new\_paper\_name” is not given.

“undefined parameter: username”- when the parameter “username” is not given

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

“incorrect username: XYZ”- when the username is incorrect.

“incorrect password”- when the password is incorrect.

“incorrect subject code: XXX” – when given subject code does not exists.

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

E.g.1:

{

**status**: "FAIL",

**comment**: "incorrect key: XYZ"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "incorrect subject code: CS502f"

}

**Add a New Chapter under a Teacher:**

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

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - Username of Teacher.

password: - password of Teacher.

sub\_code: - Subject code under which the chapter will be added.

chapter\_name: - Name of the chapter.

**Output:**

**Type:** json file

* **If successful:**

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

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

E.g.:

{

**status**: "OK",

**comment**: "chapter 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.

“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: sub\_code” – when the parameter “subject\_code” is not

given.

“undefined parameter: chapter\_name” – when the parameter “chapter\_name” is

not given.

“incorrect username: XYZ”- when the username is incorrect.

“incorrect password”- when the password is incorrect.

“incorrect sub\_code: XYZ” – when given subject code is incorrect.

“subject code: XYZ is not present the teacher” – when given subject code is

not present under the given teacher. First

add the subject code under the teacher and then try.

“chapter name: XYZ already exists” –when given chapter name already exists

under the teacher.

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

E.g.1:

{

**status**: "FAIL",

**comment**: "incorrect key: XYZ"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "chapter name: Test chapter #2 already exists"

}

**Modify a Chapter’s name under a Teacher:**

**Call file:** api/mod\_chap.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - Username of Teacher.

password: - password of Teacher.

sub\_code: - Subject code under which the chapter will be modified.

chapter\_id: - The chapter’s id whose name is to be modified.

new\_chapter\_name: - Name of the chapter.

**Output:**

**Type:** json file

* **If successful:**

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

Second parameter “comment” value of which will be “chapter modified successfully"

E.g.:

{

**status**: "OK",

**comment**: "chapter modified 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.

“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: sub\_code” – when the parameter “sub\_code” is not

given.

“undefined parameter: new\_chapter\_name” – when the parameter

“new\_paper\_name” is not given.

“incorrect username: XYZ”- when the username is incorrect.

“incorrect password”- when the password is incorrect.

“incorrect sub\_code: XYZ” – when given subject code is incorrect.

“subject code: XYZ is not present the teacher” – when given subject code is

not present under the given teacher. First

add the subject code under the teacher and then try.

“incorrect chapter\_id: XYZ” – when given “chapter\_id” is incorrect.

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

E.g.1:

{

**status**: "FAIL",

**comment**: "incorrect key: XYZ"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "incorrect chapter\_id: 205"

}

**Delete a Chapter under a Teacher:**

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

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - Username of Teacher.

password: - password of Teacher.

sub\_code: - Subject code under which the chapter will be deleted.

chapter\_id: - The chapter’s id which is to be deleted.

**Output:**

**Type:** json file

* **If successful:**

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

Second parameter “comment” value of which will be “chapter modified successfully"

E.g.:

{

**status**: "OK",

**comment**: "chapter 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.

“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: sub\_code” – when the parameter “sub\_code” is not

given.

“incorrect username: XYZ”- when the username is incorrect.

“incorrect password”- when the password is incorrect.

“incorrect sub\_code: XYZ” – when given subject code is incorrect.

“subject code: XYZ is not present the teacher” – when given subject code is

not present under the given teacher.

“incorrect chapter\_id: XYZ” – when given “chapter\_id” is incorrect.

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

E.g.1:

{

**status**: "FAIL",

**comment**: "incorrect key: XYZ"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "incorrect chapter\_id: 205"

}

**Add a New Question in the question bank:**

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

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - Username of Teacher.

password: - password of Teacher.

sub\_code: - Subject code which contains the chapter under which the question

will be added.

chapter\_id: - Chapter’s Id under which the question will be added.

st: - Question statement.

ac: - Correct Answer.

wa1: - Incorrect Answer 1.

wa2: - Incorrect Answer 2.

wa3: - Incorrect Answer 3.

**Output:**

**Type:** json file

* **If successful:**

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

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

Third parameter “id” will be the id of the question which is added.

E.g.:

{

**status**: "OK",

**comment**: "question added successfully",

**id**: 8

}

* **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.

“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: sub\_code” – when the parameter “subject\_code” is not

given.

“undefined parameter: chapter\_id” – when the parameter “chapter\_id” is not

given.

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

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

“undefined parameter: wa1” – when the parameter “wa1” is not given.

“undefined parameter: wa2” – when the parameter “wa2” is not given.

“undefined parameter: wa3” – when the parameter “wa3” is not given.

“incorrect username: XYZ”- when the username is incorrect.

“incorrect password”- when the password is incorrect.

“incorrect sub\_code: XYZ” – when given subject code is incorrect.

“subject code: XYZ is not present the teacher” – when given subject code is

not present under the given teacher. First

add the subject code under the teacher and then try.

“incorrect chapter\_id: XYZ” –when given chapter\_id id incorrect.

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

E.g.1:

{

**status**: "FAIL",

**comment**: "incorrect key: XYZ"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "invalid chapter\_id: 80"

}

**Modify a Question in the question bank:**

**Call file:** api/mod\_ques.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - Username of Teacher.

password: - password of Teacher.

sub\_code: - Subject code which contains the chapter under which the question

will be added.

chapter\_id: - Chapter’s Id under which the question will be added.

ques\_id: - Question Id of the question to be modified.

st: - Modified question statement.

ac: - Modified correct Answer.

wa1: - Modified incorrect Answer 1.

wa2: - Modified incorrect Answer 2.

wa3: - Modified incorrect Answer 3.

**Output:**

**Type:** json file

* **If successful:**

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

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

Third parameter “id” will be the id of the question which is added.

E.g.:

{

**status**: "OK",

**comment**: "question modified successfully",

**id**: 8

}

* **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.

“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: sub\_code” – when the parameter “subject\_code” is not

given.

“undefined parameter: chapter\_id” – when the parameter “chapter\_id” is not

given.

“undefined parameter: ques\_id” – when the parameter “ques\_id” is not

given.

“incorrect ques\_id: XYZ” – when the parameter “ques\_id” is incorrect.

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

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

“undefined parameter: wa1” – when the parameter “wa1” is not given.

“undefined parameter: wa2” – when the parameter “wa2” is not given.

“undefined parameter: wa3” – when the parameter “wa3” is not given.

“incorrect username: XYZ”- when the username is incorrect.

“incorrect password”- when the password is incorrect.

“incorrect sub\_code: XYZ” – when given subject code is incorrect.

“subject code: XYZ is not present the teacher” – when given subject code is

not present under the given teacher. First

add the subject code under the teacher and then try.

“incorrect chapter\_id: XYZ” –when given chapter\_id id incorrect.

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

E.g.1:

{

**status**: "FAIL",

**comment**: "incorrect key: XYZ"

}

E.g.2:

{

**status**: "FAIL",

**comment**: "invalid chapter\_id: 80"

}

**Delete a question:**

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

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers

questionId: - Id of the question to be deleted.

chapterId: - Id of the chapter.

code: - subject code.

username: - username of the teacher.

password: - password of the teacher.

**E.g.:**

key**=**WnXsEnsDk&questionId=7894&chapterId=5240&code=sAd&username=

“Dinesh Kartik”&password=125

(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 “question is deleted"

E.g.:

{

**status**: "OK",

**comment**: "question is deleted"

}

* **If fail:**

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

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

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

“undefined parameter: questionId” – when the parameter “questionId” is not

given.

“undefined parameter: chapterId” – when the parameter “chapterId” is not

given.

“undefined parameter: code” – when the parameter “code” is not

given.

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

given.

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

given.

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

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

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

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

“teacher XYZ has not undertaken subject ABC” – when the pair {“username”,

“code”}

is invalid

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

(XYZ is username)

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

E.g.2:

{

**status**: "FAIL",

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

}

**Display all available subject codes:**

**Call file:** api/all\_subjects.php

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

**E.g.:**

key**=**WnXsEnsDk

(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 subjects. The array will contain (id, code, name)

E.g.:

{

**status**: "OK",

**result**: [

{

**code**: "FB780",

**name**: "Mario"

},

{

**code**: "AM780",

**name**: "Remember Frankenstein"

},

{

**code**: "SHFFL780",

**name**: "Shuffling & Playing"

},

]

}

* **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.

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

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

E.g.1:

{

**status**: "FAIL",

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

}

**Display all chapters under a teacher for a specific subject:**

**Call file:** api/all\_chapters.php

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

username: - username of the teacher.

code: - code of the subject. code = “ALL” to display chapters from all the

subjects.

**E.g.:**

key**=**WnXsEnsDk?username=W3School&code=ALL

(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 chapters. The array will contain (id, name, numberOfQuestions,

code)

E.g.:

{

**status**: "OK",

**result**: [

{

**id**: "10",

**name**: "Einstein Has a Cat",

**numberOfquestions**: "5",

**code:** "45B"

},

{

**id**: "32",

**name**: "House of a Mouse",

**numberOfQuestions**: "10",

**code**: "L4L",

},

{

**id**: "52",

**name**: "Parrots Can Talk",

**numberOfQuestions**: "2",

**code**: "SUBGP32"

},

{

**id**: "101",

**name**: "Have a good day",

**numberOfQuestions**: "2",

**code**: "N0GP"

}

]

}

* **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.

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

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

given.

“undefined parameter: code” – when the parameter “code” is not

given.

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

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

“teacher ABC has not undertaken subject XYZ” – when the pair

{“username”, “code”} is invalid

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

E.g.1:

{

**status**: "FAIL",

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

}

**Display Questions:**

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

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

questionId: - Id of the question or ALL to display all questions.

chapterId: - Id of the chapter or ALL to display questions from all chapters.

code: - subject code or ALL to display questions from all subjects.

username: - username of the teacher.

password: - password of the teacher.

**E.g.:**

key**=**WnXsEnsDk&questionId=7894&chapterId=ALL&code=sAd&username=

“Dinesh Kartik”&password=125

(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 information of the question. The array will contain (id, problemStatement, correctOption,

incorrectOption1, incorrectOption2,

incorrectOption3, chapterId,chapterName,code,paperName)

E.g.:

{

**status**: "OK",

**result**: [

{

**id**: 178,

**problemStatement**: "html problem",

**correctOption**: "html option",

**incorrectOption1:** "html option",

**incorrectOption2:** "html option",

**incorrectOption3:** "html option",

**chapterId:** 201,

**chapterName:** "banannaBerry",

**code:** "LM10",

**paperName:** "Mirror Cube",

},

{

**id**: 118,

**problemStatement**: "html problem",

**correctOption**: "html option",

**incorrectOption1:** "html option",

**incorrectOption2:** "html option",

**incorrectOption3:** "html option",

**chapterId:** 401,

**chapterName:** "server loading",

**code:** "MU250",

**paperName:** "Manchester Rocks",

},

{

**id**: 528,

**problemStatement**: "html problem",

**correctOption**: "html option",

**incorrectOption1:** "html option",

**incorrectOption2:** "html option",

**incorrectOption3:** "html option",

**chapterId:** 230,

**chapterName:** "Extraction",

**code:** "GOA250",

**paperName:** "Journey with Zombie",

}

]

}

* **If fail:**

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

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

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

“undefined parameter: questionId” – when the parameter “questionId” is not

given.

“undefined parameter: chapterId” – when the parameter “chapterId” is not

given.

“undefined parameter: code” – when the parameter “code” is not

given.

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

given.

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

given.

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

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

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

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

“teacher XYZ has not undertaken subject ABC” – when the pair {“username”,

“code”}

is invalid

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

(XYZ is username)

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

E.g.2:

{

**status**: "FAIL",

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

}

**Teacher add subject code under him:**

**Call file:** api/take\_subjects.php

**Request type: -** http

**Content-Type: -** application/json

**Method:** POST

**Input:**

key: - Key provided by the API developers

username: - username of the teacher.

password: - password of the teacher.

codes: - Array of subject codes.

**Output:**

**Type:** json file

* **If successful:**

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

Second parameter “comment” value of which will be “subjects have been

added to the teacher”

E.g.:

{

**status**: "OK",

**comment**: "subjects have been added to the teacher",

}

* **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.

“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: codes” – when the parameter “codes” is not

given.

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

XYZ is username.

“incorrect code: XYZ” – when one of the codes in array is not correct.

“empty array of codes” – when the array “codes” is empty.

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

E.g.1:

{

**status**: "FAIL",

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

}

**Teacher delete subject code under him:**

**Call file:** api/remove\_subject.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - username of the teacher.

password: - password of the teacher.

code: - code of the subject to be removed.

**E.g.:**

key**=**WnXsEnsDk?username= “Lewandwoski”&password= “Long Range Shot”&code= “practice”.

(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 “subject has been

removed from the teacher”

E.g.:

{

**status**: "OK",

**comment**: "subject has been removed from the

teacher",

}

* **If fail:**

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

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

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

“undefined parameter: code” – when the parameter “code” is not

given.

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

given.

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

given.

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

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

“teacher XYZ has not undertaken subject ABC” – when the pair {“username”,

“code”}

is invalid

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

(XYZ is username)

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

E.g.1:

{

**status**: "FAIL",

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

}

**Display all subject codes under a particular teacher:**

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

**Request type: -** http

**Method:** GET

**Input:**

key: - Key provided by the API developers

username: - username of the teacher.

**E.g.:**

key**=**WnXsEnsDk?username=25

(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 subject-codes. The array will contain (id, code, name)

E.g.:

{

**status**: "OK",

**result**: [

{

**id**: "10",

**code**: "NF7",

**name**: "Netflix Rocks",

},

{

**id**: "10",

**code**: "CHOW2020",

**name**: "Love Chinese, Eat Chinese",

}

]

}

* **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.

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

“undefined parameter: username” – when the parameter “teacherId” is not

given.

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

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

E.g.1:

{

**status**: "FAIL",

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

}

**add questions to an exam:**

**Call file:** api/add\_exam\_questions.php

**Request type: -** http

**Content-Type: -** application/json

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - username of the teacher.

password: - password of the teacher.

examId: - id of the exam.

code: - subject code.

questions: - array of questions. Each question is an array where first element is the

chapterId and second element is the questionId.

**E.g.:**

key**=**WnXsEnsDk?username= “Lewandwoski”&password= “Long Range Shot”&examId=4&code= “practice”&questions=[[4,6],[5,9],[8,10]].

(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 “questions are added

to the exam”

E.g.:

{

**status**: "OK",

**comment**: "questions are added to the exam",

}

* **If fail:**

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

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

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

“undefined parameter: code” – when the parameter “code” 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: examId” – when the parameter “examId” is not

given.

“undefined parameter: questions” – when the parameter “questions” is not

given.

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

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

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

“teacher XYZ has not undertaken subject ABC” – when the pair {“username”,

“code”}

is invalid

“incorrect chapterId: XYZ” – when one of chapterId s in parameter

“questions” is not correct.

“invalid pair (chapter,question)” – when one of the pairs in parameter

“questions” is not correct.

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

(XYZ is username)

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

E.g.1:

{

**status**: "FAIL",

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

}

**save attempts in an exam:**

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

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - username of the student

password: - password of the student

examId: - id of the exam.

questionNumber: - question number

optionNumber: - attempted option. 0 for no attempt. Note that attempted option

must be one of the values:{0,1,2,3,4}

**E.g.:**

key**=**WnXsEnsDk?username= “Lewandwoski”&password= “Long Range Shot”&examId=4&questionNumber=2&optionNumber=3

(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 “attempt is saved”

E.g.:

{

**status**: "OK",

**comment**: "attempt is saved",

}

* **If fail:**

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

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

“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: examId” – when the parameter “examId” is not

given.

“undefined parameter: questionNumber” – when the parameter

“questionNumber” is not

given.

“undefined parameter: optionNumber” – when the parameter

“optionNumber” is not

given.

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

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

“incorrect questionNumber: XYZ” – when the parameter “questionNumber” is

not correct.

“incorrect optionNumber: XYZ” – when the parameter “optionNumber” is

not correct.

“further submission is not allowed” – invalid attempt to save answer

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

(XYZ is username)

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

E.g.1:

{

**status**: "FAIL",

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

}

**COE deletes an exam:**

**Call file:** api/coe\_delete\_exam.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - username of the COE

password: - password of the COE

examId: - id of the exam.

**E.g.:**

key**=**WnXsEnsDk?username= “Lewandwoski”&password= “Long Range Shot”&examId=4

(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 “exam has been deleted”

E.g.:

{

**status**: "OK",

**comment**: "exam has been deleted",

}

* **If fail:**

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

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

“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: examId” – when the parameter “examId” is not

given.

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

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

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

(XYZ is username)

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

E.g.1:

{

**status**: "FAIL",

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

}

**COE ends an exam:**

**Call file:** api/coe\_end\_exam.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - username of the COE

password: - password of the COE

examId: - id of the exam or “ALL” to close all the exams.

**E.g.:**

key**=**WnXsEnsDk?username= “Lewandwoski”&password= “Long Range Shot”&examId=ALL

(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 “exam has been ended”

E.g.:

{

**status**: "OK",

**comment**: "exam has been ended",

}

* **If fail:**

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

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

“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: examId” – when the parameter “examId” is not

given.

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

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

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

(XYZ is username)

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

E.g.1:

{

**status**: "FAIL",

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

}

**COE starts an exam:**

**Call file:** api/coe\_start\_exam.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - username of the COE

password: - password of the COE

examId: - id of the exam or “ALL” to start all the exams.

**E.g.:**

key**=**WnXsEnsDk?username= “Lewandwoski”&password= “Long Range Shot”&examId=ALL

(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 “exam has been started”

E.g.:

{

**status**: "OK",

**comment**: "exam has been started",

}

* **If fail:**

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

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

“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: examId” – when the parameter “examId” is not

given.

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

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

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

“invalid attempt to activate two exams on same subject” – can not activate two

exams on same subject.

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

(XYZ is username).

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

E.g.1:

{

**status**: "FAIL",

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

}

**teacher creates exam:**

**Call file:** api/create\_exam.php

**Request type: -** http

**Method:** POST

**Input:**

key: - Key provided by the API developers.

username: - username of the teacher.

password: - password of the teacher.

description: - description of the exam.

batchPassoutYear: - batch passout year of intended students.

stream: -

1: “CSE”  
 2: “IT”

3: “CSE + IT”

4: “CT”

5: “CSE” + “CT”

6: “IT” + “CT”

7: “CSE” + “CT” + “IT”

use these codes for the stream

code: - subject code.

**E.g.:**

key**=**WnXsEnsDk?username= “Lewandwoski”&password= “Long Range Shot”&description=nice&batchPassoutYear=2019&stream=5&code=CS502

(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 associative array

containing the exam id

E.g.:

{

**status**: "OK",

**result**: {id: 250}

}

* **If fail:**

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

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

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

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

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

“incorrect username/password: XYZ” – when the parameter “username” or

“password” is not correct.

(XYZ is username)

“teacher XYZ has not undertaken subject ABC” – when the pair {“username”,

“code”}

is invalid

“incorrect batchPassoutYear: XYZ” – when the parameter

“batchPassoutYear” is not correct.

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

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

E.g.1:

{

**status**: "FAIL",

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

}

|  |  |  |  |
| --- | --- | --- | --- |
| **delete questions from the exam** | | | |
| Call File | delete\_exam\_questions.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| username | | Username of the teacher | |
| Password | | Password of the teacher | |
| questionId | | id of the question | |
| examId | | id of the exam | |
| code | | subject code | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=Long Range Shot&questionId=250&examId=20&code=DOG40 | | | |
| Output if success | | | |
| status | | OK | |
| comment | | question is deleted from the exam | |
| Example | | | |
| {  status: "OK",  comment: "question is deleted from the exam"  } | | | |
| Output if failure | | | |
| status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| teacher XYZ has not undertaken subject ABC | | | When the pair {username, code} is invalid |
| server error occurred | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **delete exam** | | | |
| Call File | delete\_exam.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| username | | Username of the teacher | |
| Password | | Password of the teacher | |
| examId | | id of the exam | |
| code | | subject code | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=Long Range Shot&examId=20&code=DOG40 | | | |
| Output if success | | | |
| status | | OK | |
| comment | | exam has been deleted | |
| Example | | | |
| {  status: "OK",  comment: "exam has been deleted"  } | | | |
| Output if failure | | | |
| status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| teacher XYZ has not undertaken subject ABC | | | When the pair {username, code} is invalid |
| server error occurred | | | When some server-side error occurs |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **view questions of an exam** | | | |
| Call File | exam\_questions.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| username | | Username of the user | |
| Password | | Password of the user | |
| category | | category of the user 0: COE 1: Teacher | |
| examId | | id of the exam | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=Long Range Shot&category=0&examId=20 | | | |
| Output if success | | | |
| status | | OK | |
| Result | | Array of associative arrays.  Each associative arrays have fields:  id: id of the question  problemStatement:  correctOption:  incorrectOption1:  incorrectOption2:  incorrectOption3:  incorrectOption4:  chapterId:  chapterName:  code:  paerName: | |
| Example | | | |
| {  status: "OK",  result:  [  {  id:240  problemStatement:html  correctOption:html  incorrectOption1:html  incorrectOption2:html  incorrectOption3:html  chapterId:20  chapterName:”or and”  code:”ERD75”  paperName:”javascript”  },  {  id:40  problemStatement:html  correctOption:html  incorrectOption1:html  incorrectOption2:html  incorrectOption3:html  chapterId:10  chapterName:”eagle“  code:ERD75  paperName:”javascript”  }  ] | | | |
| Output if failure | | | |
| status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| server error occurred. | | | When some server-side error occurs |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **view students of an exam** | | | |
| Call File | exam\_students.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| username | | Username of the COE | |
| Password | | Password of the COE | |
| examId | | id of the exam | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=Long Range Shot&examId=20 | | | |
| Output if success | | | |
| Status | | OK | |
| Result | | Array of associative arrays.  Each associative arrays have fields:  examId:  username:  name:  stream:  joiningYear:  batchPassoutYear:  email:  registration:  contactNumber: | |
| Example | | | |
| {  status: "OK",  result:  [  {  id:240  username: “Saranya”  name: “Saranya”  stream: “CSE”  joiningYear: 2017  batchPassoutYear: 2021  email: #@.com  registration: ”1500”  contactNumber:”548028”  },  {  id:820  username: “Ty”  name: “Ty Koon”  stream: “IT”  joiningYear: 2017  batchPassoutYear: 2021  email: $%@.com  registration: ”2100”  contactNumber:”100”  },  ] | | | |
| Output if failure | | | |
| Status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| server error occurred. | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **view an exam** | | | |
| Call File | exam.php | | |
| Request type | http | | |
| Method | GET | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| username | | username of the creator or “ALL” | |
| examStatus | | Status of the exam or “ALL”  0: created 1: live 2: submitted  3: ended (results have not been updated)  4: ended (results have been updated) | |
| examId | | id of the exam or “ALL” | |
| code | | Subject code or “ALL” | |
| batchPassoutYear | | Passout year of intended students or “ALL” | |
| stream | | stream code: or “ALL”  1: “CSE”  2: “IT”  3: “CSE” +”IT”  4: “CT”  5: “CSE+CT”  6: “IT+CT”  7: “CT” | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&examStatus=1&examId=ALL&code=ALL&batchPassoutYear=ALL&stream=6 | | | |
| Output if success | | | |
| Status | | OK | |
| Result | | Array of associative arrays.  Each associative array has fields:  id: id of the exam  created at: (timestamp)  started at: (“not started” if exam has not started yet)  description:  batchPassoutYear:  stream: array of streams  examStatus:  code:  created by: | |
| Example | | | |
| {  status: "OK",  result:  [  {  id:240  created at: 48764310  started at: not started  description: “Test Exam”  batchPassoutYear: 2021  stream: [“CSE”,”CT”]  examStatus: ”submitted”  code: ”CSGO”  created by: “You”  },  {  id:24  created at: 487643  started at: 87210  description: “Test Exam2”  batchPassoutYear: 2021  stream: [“CSE”,”CT”]  examStatus: ”live”  code: ”OP850”  created by: “Me”  },  ] | | | |
| Output if failure | | | |
| Status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| server error occurred. | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Generate the result** | | | |
| Call File | generate\_result.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| Username | | username of the COE | |
| password | | password of the COE | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=LongRangeShot | | | |
| Output if success | | | |
| Status | | OK | |
| comment | | results have been generated | |
| Example | | | |
| {  status: "OK",  comment: “results have been generated”  } | | | |
| Output if failure | | | |
| Status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| server error occurred. | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **View marksheet of a student** | | | |
| Call File | marksheet.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| Username | | username of the COE | |
| password | | password of the COE | |
| examId | | id of the exam | |
| studentUsername | | username of the student | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=LongRangeShot&examId=789&studentUsername=”ui” | | | |
| Output if success | | | |
| Status | | OK | |
| Result | | Array of associative arrays.  Each associative array has fields:  question:  option1:  option2:  option3:  option4:  markedOption:  correctOption:  status: AC for correct  WA for incorrect | |
| marks | | Total marks obtained by the student | |
| Example | | | |
| {  status: "OK",  result:  [  {  question: moon is bright  option1: knights  option2: this is option2  option3: this is correct  option4: option3 is wrong  markedOption: option3  correctOption: option4  status: WA  },  {  question: Soumya is a Dev  option1: I am correct  option2: I am incorrect  option3: you are incorrect  option4: click me  markedOption: option1  correctOption: option1  status: AC  },  ],  marks: 1  } | | | |
| Output if failure | | | |
| Status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| server error occurred. | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **View question paper of an exam** | | | |
| Call File | question\_paper.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| Username | | username of the student | |
| password | | Password of the student | |
| examId | | Id of the exam | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=LongRangeShot&examId=3 | | | |
| Output if success | | | |
| Status | | OK | |
| Result | | Array of associative arrays.  Each associative array has fields:  question:  option1:  option2:  option3:  option4:  markedOption: | |
| Example | | | |
| {  status: "OK",  result:  [  {  question: moon is bright  option1: knights  option2: this is option2  option3: this is correct  option4: option3 is wrong  markedOption: option3  },  {  question: Soumya is a Dev  option1: I am correct  option2: I am incorrect  option3: you are incorrect  option4: click me  markedOption: option1  },  ]  } | | | |
| Output if failure | | | |
| Status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| further submission is not allowed | | | When student is not allowed to submit |
| server error occurred. | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Restart exam of a student** | | | |
| Call File | restart\_exam.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| Username | | username of the COE | |
| password | | password of the COE | |
| examId | | Id of the exam | |
| studentUsername | | Username of the student | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=LongRangeShot&examId=789&studentUsername=”BB” | | | |
| Output if success | | | |
| Status | | OK | |
| comment | | exam has been restarted for the student | |
| Example | | | |
| {  status: "OK",  comment: “exam has been restarted for the student”  } | | | |
| Output if failure | | | |
| Status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| Student has never started the exam. | | | Advise him to start before restart |
| server error occurred. | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **View marks of the students** | | | |
| Call File | student\_marks.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| Username | | username of the COE | |
| password | | Password of the COE | |
| examId | | Id of the exam | |
| Stream | | Stream or “ALL”  CSE:  IT:  CT: | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=LongRangeShot&examId=3&stream=”CT” | | | |
| Output if success | | | |
| Status | | OK | |
| Result | | Array of associative arrays.  Each associative array has fields:  username:  name:  stream:  joiningYear:  batchPassoutYear:  email:  registration:  contactNumber: | |
| Example | | | |
| {  status: "OK",  result:  [  {  username: “do or die”  name: “noble prize”  stream: “CSE”  joiningYear: 2017  batchPassoutYear: 2021  email: er@gmail.com  registration: 78950  contactNumber: 882892004  },  {  username: “hi”  name: “hello”  stream: “IT”  joiningYear: 2015  batchPassoutYear: 2020  email: xxx@domain.net  registration: 8520  contactNumber: 20000000  },  ]  } | | | |
| Output if failure | | | |
| Status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| server error occurred. | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Student participates in exam** | | | |
| Call File | student\_participate.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| Username | | username of the student | |
| password | | password of the student | |
| examId | | Id of the exam | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=LongRangeShot&examId=789 | | | |
| Output if success | | | |
| Status | | OK | |
| comment | | student has participated in the exam | |
| Example | | | |
| {  status: "OK",  comment: “student has participated in the exam”  } | | | |
| Output if failure | | | |
| Status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| further submission is not allowed | | | When student is not allowed to participate in the exam |
| server error occurred. | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Student submits an exam** | | | |
| Call File | submit\_exam.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| Username | | username of the student | |
| password | | password of the student | |
| examId | | Id of the exam | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=LongRangeShot&examId=789 | | | |
| Output if success | | | |
| Status | | OK | |
| comment | | submission done | |
| Example | | | |
| {  status: "OK",  comment: “submission done”  } | | | |
| Output if failure | | | |
| Status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| further submission is not allowed | | | When student is not allowed to participate in the exam |
| server error occurred. | | | When some server-side error occurs. |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Teacher submits exam** | | | |
| Call File | teacher\_submit\_exam.php | | |
| Request type | http | | |
| Method | POST | | |
| Content  Type | x-www-form-urlencoded | | |
| Input | | | |
| Key | | Developers key | |
| username | | Username of the teacher | |
| Password | | Password of the teacher | |
| examId | | id of the exam | |
| code | | subject code | |
| Example | | | |
| key=WnXsEnsDk?username=Lewandwoski&password=Long Range Shot&examId=20&code=DOG40 | | | |
| Output if success | | | |
| status | | OK | |
| comment | | exam has been submitted | |
| Example | | | |
| {  status: "OK",  comment: "exam has been submitted"  } | | | |
| Output if failure | | | |
| status | | FAIL | |
| comment | | comments are listed below | |
| Comments | | | |
| undefined parameter  XYZ | | | when one of the parameters are undefined |
| incorrect  paremeter\_name  XYZ | | | When one of the parameters are incorrect |
| teacher XYZ has not undertaken subject ABC | | | When the pair {username, code} is invalid |
| server error occurred | | | When some server-side error occurs |
| Example | | | |
| {  status: "FAIL",  comment: "undefined parameter: key"  } | | | |