**Registration Project API’s Description**

In this project, there are basically two endpoints called as faculty and student. The faculy part has the admin control whereas the student part can acces only limited functionalities. The description is mentioned as below. Please go througout the documentation in a sequential manner to avoid any discrepency.

**Faculty**

1. Create a faculty:-this api will create a faculty.

API:- <https://registration-akgec.herokuapp.com/faculty/createFaculty>

Type:- Post

Data required in body:-

{

"name":"name",

"username":"name",

"department":"department",

"password":"password",

"passwordConfirm":"password\_confirmed"

}

1. **Faculty Login**:- this api will login the faculty to the dashboard. One faculty at a time can be logged in from a single computer.

API:- [https://registration-akgec.herokuapp.com/faculty/f](https://registration-akgec.herokuapp.com/faculty/createFaculty)acultyLogin

Type:- Post

Data required in body:-

{

"username":"name",

"password":"password"

}

This api will also sen in respons the count of student count,registered count and remaining count

 "count": {

            "registeredCount": 3,

            "studentCount": 8,

            "remainingStudents": 5

        }

1. **Creation of student:**- The student should exist before registration. So only a faculty can create a student whereas any existing student can register him/her as shown in further api’s.This api will create a student.

API:- https://registration-akgec.herokuapp.com/faculty/createStudent

Type:- Post

Data required in body:-

|  |
| --- |
|  |
|  | {"full\_name":"abhimanyu", |
|  | "roll\_no":1702710002, |
|  | "student\_no":1713044, |
|  | "semester":1, |
|  | "course":"b.tech", |
|  | "branch":"cse", |
|  | "email":"info4abhimanyu@gmail.com", |
|  | "mobile":9958134834, |
|  | "father\_name":"sanjay sharma", |
|  | "address":"Gzb", |
|  | "year":1 |
|  | } |

1. Get all students:- this api will show in response all students that have been created by the faculty or we can say all existing students.

API:- https://registration-akgec.herokuapp.com/faculty/getAllStudents

Type:- GET

Response is of json type and will sen all students details as json objects.

Ex:{

            "role": "student",

            "\_id": "5ed6ea075844f600173df86d",

            "full\_name": "abhimanyu",

            "student\_no": 1713044,

            "roll\_no": 1702710002,

            "course": "b.tech",

            "branch": "cse",

            "email": "info4vivekbhardwaj@gmail.com",

            "mobile": 9958134834,

            "father\_name": "sanjay sharma",

            "year": 3,

            "semester": 7,

            "\_\_v": 0

        }

1. **Get all filtered students**:- this api will show in response all students that have been created by the faculty across the filter provided by the user.

API:- https://registration-akgec.herokuapp.com/faculty/getAllFilteredStudents

Type:- GET

Data required in query: filter parameters

As branch, year;

Response is of json type and will send filtered students details as json objects.

Ex:{

            "role": "student",

            "\_id": "5ed6ea075844f600173df86d",

            "full\_name": "abhimanyu",

            "student\_no": 1713044,

            "roll\_no": 1702710002,

            "course": "b.tech",

            "branch": "cse",

            "email": "info4vivekbhardwaj@gmail.com",

            "mobile": 9958134834,

            "father\_name": "sanjay sharma",

            "year": 3,

            "semester": 7,

            "\_\_v": 0

        }

1. **Create library due**:- this api will create a library due for a student.

API:- https://registration-akgec.herokuapp.com/faculty/createLibDue

Type:- POST

Data required in BODY:-

({

        roll\_no:req.body.roll\_no,

        student\_no:req.body.student\_no,

        full\_name:req.body.full\_name,

        due:req.body.lib\_due,

        branch:req.body.branch

    });

Due parameter is a boolean value that should be true while creating a lib due.

1. **Clear library due**:- this api will clear the library due for a student corrosponding to the student number provided in body.

API:- https://registration-akgec.herokuapp.com/faculty/clearDue

Type:- PATCH

Data required in BODY:-

({

        roll\_no:req.body.roll\_no,

        student\_no:req.body.student\_no,

        full\_name:req.body.full\_name,

       branch:req.body.branch

    });

1. **Get Count**:- this api will get the count of the registered students and total students.

API:- https://registration-akgec.herokuapp.com/faculty/count

Type:- GET

Response of request:-

 "data": {

        "registered": 3,

        "student": 9

    }

1. **Get Summary**:- this api will get the summary of the total registered students and total no of students branchwise.

API:- https://registration-akgec.herokuapp.com/faculty/count

Type:- GET

Response of request:-

"data": {

        "students": [

            {

                "totalStudents": 4

            }

        ],

        "registered": [

            {

                "totalRegesteredStudents": 3

            }

        ]

    }

1. **Update Password**:- Will update the password of the faculty that has been logged in.

API:- https://registration-akgec.herokuapp.com/faculty/updatePassword

Type:- PATCH

Data required in body:-

{

"password":"old password",

"newPassword":"new Password",

"newPasswordConfirm":"new Password"

}

**After password update faculty would be automatically logged out and required to login again.**

1. **Logout faculty**:- Will logout the faculty from dashboard.

API:- https://registration-akgec.herokuapp.com/faculty/logout

Type:- GET

**2 faculty api’s are discussed after student part as those are used to get the registered students and get filtered registered students that can be possible only after the student is registered.**

**Student**

1. **Student LOGIN**:- This API will take student number and fullname of student as request and log the student for the registration.

API:- https://registration-akgec.herokuapp.com/student/studentLogin

Type:- POST

Data required in body:-

{"full\_name":"abhinav",

"student\_no":1713044}

1. **Student check library dues**:- This API will consider the logged in student and return if there is library due for the student or not.

API:- https://registration-akgec.herokuapp.com/student/studentDue

TYPE:-GET

Resposne:-

{

    "status": "success",

    "message": "no dues found"

}

1. **Registering Student for semester**:- This API will consider the logged in student and take all the data in the body of webpage and validate it with previous records of the student and if validated will submit the student saying you are successfully registered.

API:- https://registration-akgec.herokuapp.com/student/semesterRegister

Type:POST.

Data required in body:-

|  |  |
| --- | --- |
|  | {"full\_name":"abhimanyu",  "student\_no":1713044, |
|  | "roll\_no":1702710002, |
|  | "session":"2020", |
|  | "semester":1, |
|  | "course":"b.tech", |
|  | "branch":"cse", |
|  | "email":"info4abhimanyu@gmail.com", |
|  | "mobile":9958134834, |
|  | "father\_name":"sanjay sharma", |
|  | "address":"Gzb", |
|  | "year":1 |
|  | } |

1. **Student logout**:- This api will logout the student .

API:- https://registration-akgec.herokuapp.com/student/logout

Type:-GET

Response:-

{

    "status": "success",

    "message": "you have been successfully logged out"

}

1. **Faculty get Registered students**:- This api will get all the students that would be registered .

API:- https://registration-akgec.herokuapp.com/faculty/getAllRegistered

Type:-GET

Response:- all student that have been registered as an array of json objects.

1. **Faculty get filtered Registered students**:- This api will get the students that have been registered satisfying the parameters provided in the filter that maybe year or branch.

API:- https://registration-akgec.herokuapp.com/faculty/getAllFilteredRegesteredStudents

Type:-GET

Data required in query:-

Ex:-

branch:”cse”

Year:3

Response:- all student that have been registered ofcse branch and 3rd year.