Project: ReportGeneration

Welcome to the API Documentation of the Attendance Report Generation System

- Note : The Report Generation System is basically Read Only based . So there will be no put,delete request's . But we will be using the post request so that the messages could be transported in safe manner as the protcol of https will be followed in the production evironmet

End-point: StudentDetails

Method: POST

```
http://localhost:3000/api/student/details
```

Body (raw)

```
{
    "scholarNumber":"2211201179"
}
```

Response: 200

```
[
    {
        "_id": "678d3d92d5665f6a3eb3f957",
        "scholarNumber": "2211201152",
        "StudentName": "VELPUCHERLA YOGANANDA REDDY",
        "branch": "CSE",
        "section": "1",
        "batch": "2022-26"
    }
]
```

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End-point: MonthlyReport

Method: POST

```
http://localhost:3000/api/student/attendance/monthly
```

Body (raw)

```
{
    "scholarNumber":"2211201137"

}
```

Response: 200

```
[
    {
        "totalSessions": 9,
        "presentCount": 9,
        "subjectName": "Advanced Data Structures",
        "subjectId": "678dfa8ad5665f6a3eb3fa67",
        "branch": "CSE",
        "semester": "VI",
        "section": "01",
        "scholarNo": "2211201109",
```

```json
        "month": "2025-01",
        "attendancePercentage": 100,
        "subjectCode": "CSE357"
    },
    {
        "totalSessions": 9,
        "presentCount": 9,
        "subjectName": "Network & System Securities (T)",
        "subjectId": "678ce483cd76735183ab8349",
        "branch": "CSE",
        "semester": "VI",
        "section": "01",
        "scholarNo": "2211201109",
        "month": "2025-01",
        "attendancePercentage": 100,
        "subjectCode": "CSE323"
    },
    {
        "totalSessions": 5,
        "presentCount": 3,
        "subjectName": "Network & System Securities (T)",
        "subjectId": "678ce483cd76735183ab8349",
        "branch": "CSE",
        "semester": "VI",
        "section": "01",
        "scholarNo": "2211201109",
        "month": "2025-02",
        "attendancePercentage": 60,
        "subjectCode": "CSE323"
    },
    {
        "totalSessions": 2,
        "presentCount": 2,
        "subjectName": "Advanced Data Structures",
        "subjectId": "678dfa8ad5665f6a3eb3fa67",
        "branch": "CSE",
        "semester": "VI",
        "section": "01",
        "scholarNo": "2211201109",
        "month": "2025-02",
        "attendancePercentage": 100,
        "subjectCode": "CSE357"
    },
    {
        "totalSessions": 3,
        "presentCount": 3,
        "subjectName": "Machine Learning",
        "subjectId": "678ce483cd76735183ab8347",
        "branch": "CSE",
        "semester": "VI",
        "section": "01",
        "scholarNo": "2211201109",
        "month": "2025-01",
        "attendancePercentage": 100,
        "subjectCode": "CSE321"
    },
    {
        "totalSessions": 4,
        "presentCount": 4,
        "subjectName": "Machine Learning",
        "subjectId": "678ce483cd76735183ab8347",
        "branch": "CSE",
        "semester": "VI",
        "section": "01",
        "scholarNo": "2211201109",
```

```
        "month": "2025-02",
        "attendancePercentage": 100,
        "subjectCode": "CSE321"
    }
]
```

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End-point: FacultyDetails

Method: GET

> http://localhost:3000/api/faculty/details?employeeCode=0640

Query Params

Param	value
employeeCode	0640

Response: 200

```
{
    "status": "ok",
    "message": "Success",
    "data": {
        "_id": "678ce4d0cd76735183ab8350",
        "name": "Meenu Chawla",
        "password": "$2b$12$/uO0dJ87WO5RtqhRI1otDej46.tm5R64mrb.HLGpSVlgmyufIRXZi",
        "about": "Available",
        "employeeCode": "0640",
        "role": "Prof",
        "department": "CSE",
        "email": "meenuchawlamanit@gmail.com",
        "phone": "7554051302",
        "abbreviation": "MC"
    }
}
```

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End-point: FacultySubjectList

Gives the Subjects taught by a particular faculty

Method: GET

> http://localhost:3000/api/faculty/Subjects?employeeCode=0640

Body (raw)

Query Params

Param	value
employeeCode	0640

Response: 200

```json
{
    "status": "ok",
    "message": "Success",
    "data": [
        {
            "subject": {
                "_id": "678dfa8ad5665f6a3eb3fa67",
                "subjectCode": "CSE357",
                "subjectName": "Advanced Data Structures",
                "department": "CSE",
                "isElective": false
            },
            "branch": "CSE",
            "semester": "VI",
            "section": "1",
            "location": "LRC A Block Ground Floor",
            "course": "B-Tech",
            "session": "2022-26"
        }
    ]
}
```

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End-point: FacultyAttendanceClasswise

This is the api responsible to handle the data of attendance of a particular class in a particular subject taught by the faculty .

Method: POST

```
http://localhost:3000/api/faculty/attendance/classwise
```

Body (raw)

```json
{
    "ownerId":"678ce4d0cd76735183ab8350",
    "subjectId":"678dfa8ad5665f6a3eb3fa67",
    "course":"B-Tech",
    "branch":"CSE",
    "semester":"VI",
    "section":"1",
    "session":"2022-26"
}
```

Response: 200

```json
{
    "status": "ok",
    "message": "Success",
    "data": {
        "totalClass": 11,
        "attendace": {
            "2211201101": 9,
            "2211201102": 7,
            "2211201103": 10,
            "2211201104": 10,
            "2211201105": 9,
            "2211201106": 10,
            "2211201107": 10,
```

        "2211201108": 8,
        "2211201109": 11,
        "2211201110": 10,
        "2211201111": 10,
        "2211201112": 11,
        "2211201113": 8,
        "2211201114": 11,
        "2211201115": 10,
        "2211201116": 10,
        "2211201117": 11,
        "2211201118": 11,
        "2211201119": 10,
        "2211201120": 10,
        "2211201121": 10,
        "2211201122": 11,
        "2211201123": 8,
        "2211201124": 11,
        "2211201125": 10,
        "2211201126": 11,
        "2211201127": 5,
        "2211201128": 4,
        "2211201129": 9,
        "2211201130": 11,
        "2211201131": 11,
        "2211201132": 11,
        "2211201133": 2,
        "2211201134": 11,
        "2211201135": 11,
        "2211201137": 7,
        "2211201138": 11,
        "2211201139": 10,
        "2211201140": 10,
        "2211201141": 10,
        "2211201142": 9,
        "2211201143": 11,
        "2211201144": 11,
        "2211201145": 8,
        "2211201146": 7,
        "2211201147": 10,
        "2211201148": 11,
        "2211201149": 11,
        "2211201150": 10,
        "2211201151": 11,
        "2211201152": 9,
        "2211201153": 7,
        "2211201154": 6,
        "2211201155": 9,
        "2211201156": 10,
        "2211201157": 9,
        "2211201158": 10,
        "2211201159": 10,
        "2211201160": 11,
        "2211201161": 9,
        "2211201162": 10,
        "2211201163": 11,
        "2211201164": 11,
        "2211201165": 11,
        "2211201166": 10,
        "2211201167": 11,
        "2211201168": 11,
        "2211201169": 11,
        "2211201170": 8,
        "2211201171": 11,
        "2211201172": 9,
        "2211201173": 11,
        "2211201174": 10,

```
        "2211201174": 10,
        "2211201175": 8,
        "2211201176": 10,
        "2211201177": 6,
        "2211201178": 2,
        "2211201179": 9,
        "2211201180": 11
      }
    }
}
```

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End-point: StudetOverallReport

Method: POST

```
http://10.3.1.6:3000/api/attendance/attendanceByScholarId
```

Headers

Content-Type	Value
authorization	{{vault:json-web-token}}

Body (raw)

```
{
    "scholarNumber":"2211201152"
}
```

Response: 200

```json
{
    "studentName": "VELPUCHERLA YOGANANDA REDDY",
    "scholarNumber": "2211201152",
    "summary": [
        {
            "subName": "Network & System Securities (T)",
            "subCode": "CSE323",
            "employee": "Deepak Singh Tomar",
            "total": 15,
            "present": 15
        },
        {
            "subName": "Advanced Data Structures",
            "subCode": "CSE357",
            "employee": "Meenu Chawla",
            "total": 11,
            "present": 11
        },
        {
            "subName": "Machine Learning",
            "subCode": "CSE321",
            "employee": "R. K. Pateriya",
            "total": 7,
            "present": 7
        },
        {
            "subName": "Machine Learning Lab",
            "subCode": "CSE324",
            "employee": "R. K. Pateriya",
            "total": 0,
            "present": 0
        },
        {
            "subName": "Network & System Securities (T)",
            "subCode": "CSE323",
            "employee": "Pankaj Kumar",
            "total": 0,
            "present": 0
        },
        {
            "subName": "Hadoop & CUDA Lab",
            "subCode": "CSE326",
            "employee": "Yadunath Pathak",
            "total": 0,
            "present": 0
        }
    ]
}
```

End-point: FaculityListDepartmentWise

Gives the Faculty List Departmental Wise

Method: GET

```
http://localhost:3000/api/faculty/list?department=CSE
```

Query Params

Param	value

Response: 200

```json
[
    {
        "name": "Meenu Chawla",
        "employeeCode": "0640",
        "role": "Prof",
        "department": "CSE",
        "abbreviation": "MC"
    },
    {
        "name": "Nilay Khare",
        "employeeCode": "1145",
        "role": "Prof",
        "department": "CSE",
        "abbreviation": "NK"
    },
    {
        "name": "R. K. Pateriya",
        "employeeCode": "824",
        "role": "Prof",
        "department": "CSE",
        "abbreviation": "RKP"
    },
    {
        "name": "Deepak Singh Tomar",
        "employeeCode": "1067",
        "role": "Prof",
        "department": "CSE",
        "abbreviation": "DST"
    },
    {
        "name": "Vasudev Dehalwar",
        "employeeCode": "805",
        "role": "Prof",
        "department": "CSE",
        "abbreviation": "VD"
    },
    {
        "name": "Manish Pandey",
        "employeeCode": "110001412044",
        "role": "Prof",
        "department": "CSE",
        "abbreviation": "MP"
    },
    {
        "name": "Mansi Gyanchandani",
        "employeeCode": "110082107194",
        "role": "Prof",
        "department": "CSE",
        "abbreviation": "MG"
    },
    {
        "name": "Sanyam Shukla",
        "employeeCode": "110071438193",
        "role": "Prof",
        "department": "CSE",
        "abbreviation": "SS"
    },
    {
        "name": "Jaytrilok Choudhary",
        "employeeCode": "111001410822",
```

```json
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "JTC"
    },
    {
      "name": "Saritha Khetawat",
      "employeeCode": "110021412043",
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "SK"
    },
    {
      "name": "Akhtar Rasool",
      "employeeCode": "110031438195",
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "AR"
    },
    {
      "name": "Dhirendra Pratap Singh",
      "employeeCode": "110081410840",
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "DPS"
    },
    {
      "name": "Shweta Jain",
      "employeeCode": "110011412004",
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "SJ"
    },
    {
      "name": "Mitul Kumar Ahirwal",
      "employeeCode": "110056130526",
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "MA"
    },
    {
      "name": "Jyoti Bharti",
      "employeeCode": "110001438191",
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "JB"
    },
    {
      "name": "Namita Tiwari",
      "employeeCode": "110032107093",
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "NT"
    },
    {
      "name": "Bholanath Roy",
      "employeeCode": "110072191476",
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "BNR"
    },
    {
      "name": "Vijay Bhaskar",
      "employeeCode": "111102755151",
      "role": "Prof",
      "department": "CSE",
      "abbreviation": "VB"
```

```json
        },
        {
            "name": "Pragati Agarwal",
            "employeeCode": "110173897486",
            "role": "Prof",
            "department": "CSE",
            "abbreviation": "PA"
        },
        {
            "name": "Vaibhav Soni",
            "employeeCode": "110114474888",
            "role": "Prof",
            "department": "CSE",
            "abbreviation": "VS"
        },
        {
            "name": "Akash Sinha",
            "employeeCode": "110178736963",
            "role": "Prof",
            "department": "CSE",
            "abbreviation": "AS"
        },
        {
            "name": "Yadunath Pathak",
            "employeeCode": "110138049596",
            "role": "Prof",
            "department": "CSE",
            "abbreviation": "YP"
        },
        {
            "name": "Shweta Bhandari",
            "employeeCode": "11017621676",
            "role": "Prof",
            "department": "CSE",
            "abbreviation": "SB"
        },
        {
            "name": "Aashish Kumar Sahu",
            "employeeCode": "110117156803",
            "role": "Prof",
            "department": "CSE",
            "abbreviation": "AKS"
        },
        {
            "name": "Pankaj Kumar",
            "employeeCode": "110202315844",
            "role": "Prof",
            "department": "CSE",
            "abbreviation": "PK"
        },
        {
            "name": "Rajesh Wadhvani",
            "employeeCode": "110031410848",
            "role": "Prof",
            "department": "CSE",
            "abbreviation": "RW"
        },
        {
            "name": "Vikram Garg",
            "employeeCode": "110178597949",
            "role": "Prof",
            "department": "CSE",
            "abbreviation": "VG"
        },
        {
```

```json
        "name": "Ramesh Kumar Thakur",
        "employeeCode": "110262198424",
        "role": "Prof",
        "department": "CSE",
        "abbreviation": "RT"
    },
    {
        "name": "Nikhlesh Pathik",
        "employeeCode": "CF12030",
        "role": "Contract Faculty",
        "department": "CSE",
        "abbreviation": "NP"
    },
    {
        "name": "Lalit Kumar",
        "employeeCode": "CF12031",
        "role": "Contract Faculty",
        "department": "CSE",
        "abbreviation": "LK"
    },
    {
        "name": "Khushboo Singh",
        "employeeCode": "CF12032",
        "role": "Contract Faculty",
        "department": "CSE",
        "abbreviation": "KS"
    },
    {
        "name": "Babita Pathik",
        "employeeCode": "CF12033",
        "role": "Contract Faculty",
        "department": "CSE",
        "abbreviation": "BP"
    },
    {
        "name": "Sreemoyee Biswas",
        "employeeCode": "CF12034",
        "role": "Contract Faculty",
        "department": "CSE",
        "abbreviation": "SBS"
    },
    {
        "name": "Muktesh Gupta",
        "employeeCode": "CF12035",
        "role": "Contract Faculty",
        "department": "CSE",
        "abbreviation": "MUG"
    },
    {
        "name": "Mohit Kushwaha",
        "employeeCode": "CF12036",
        "role": "Contract Faculty",
        "department": "CSE",
        "abbreviation": "MK"
    },
    {
        "name": "Rakesh Kundan",
        "employeeCode": "211112011",
        "role": "STU",
        "department": "CSE"
    },
    {
        "name": "Manisha Singh",
        "employeeCode": "2302",
        "role": "Prof",
        "department": "CSE"
```

```
            department .  csL ,
            "abbreviation": "MS"
    },
    {

        "name": "test1",
        "employeeCode": "test1",
        "role": "STU",
        "department": "CSE"
    }
]
```

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End-point: GetDepartments

This is route through which departments data is transported to the director

- Role Based : Director Role

Method: GET

```
http://localhost:3000/api/director/getDepartments
```

Response: 200

```
[
    {
        "_id": "CEPDSM",
        "count": 5
    },
    {
        "_id": "CHEMISTRY",
        "count": 10
    },
    {
        "_id": "MGMT",
        "count": 8
    },
    {
        "_id": "PHY",
        "count": 17
    },
    {
        "_id": "CSE",
        "count": 38
    },
    {
        "_id": "ENERGY",
        "count": 8
    },
    {
        "_id": "ECE",
        "count": 27
    },
    {
        "_id": "EE",
        "count": 28
    },
    {
        "_id": "MME",
        "count": 9
    },
    {
        "_id": "HSS",
        "count": 5
    },
    {
        "_id": "110202195592",
        "count": 1
    },
    {
        "_id": "CHEM",
        "count": 13
    }
]
```

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End-point: FacultyAttendance

It will return the report of the faculty's attendance . Tell's how many classes were scheduledadhow many did he take in them between two dates

Role based : Director , HOD

Method: POST

```
http://localhost:3000/api/faculty/facultyAttendance
```

Body (raw)

```
{
    "employeeCode":"0640",
    "endDate":"2025-02-11T00:00:00Z"
    //  "startDate":"2025-01-09T00:00:00Z",
    //  "subjectId":"678ce483cd76735183ab834e"

}
```

Response: 200

```
{
    "scheduledClasses": [
        {
            "_id": "CSE357",
            "subjectName": "Advanced Data Structures",
            "scheduledClasses": 14
        }
    ],
    "subjectWiseAttendance": [
        [
            "CSE357",
            {
                "total": 9,
                "marked": 11
            }
        ]
    ]
}
```

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End-point: getBranches

Method: GET

```
undefined
```

- -

End-point: New Request

Method: GET

```
undefined
```

- -