2022

KFSH&RC Open Data API
User Manual

HTTP API Specification

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Contents

KFSH&RC Open Data API

1.Introduction

This document provides with instruction for API into various solutions using HTTP method (HTTP API).

The HTTP can be used to fetch data depends on year selected from our server.

1.1 HTTP API Supports:

- Using GET JSON Method
- Using Restfully Jersey

1.2 The URL used is:

https://kfshrcsystems.kfshrc.edu.sa/AttendanceWS/openData/Measurement/getMeasurement/{year}

2.Sending year

In this section will see all variables that aspect from send request on HTTP header and the response for this request.

2.1 Variables Specification

HTTP Status	Variables	Description
Request	Year	The year you want to inquire (format: 2021 , 2022 , etc.).
Response	KBI Name	Fetching data from our server for year you already selected into HTTP Method to inquire (format: some sentence).
	KBI Value	Fetching data from our server for year you already selected into HTTP Method to inquire (format: some sentence).
	KBI Year	The year you already selected into HTTP Method to inquire (format: 2021 , 2022 , etc.).
Failed Response	Error Message	Describe the error message depends year selected (format: There is no data in our server for this year : 2023 , etc.).
	Error Code	Describe the error message depends year selected (format: 404,etc.).

2.2 Method

By this API method can anyone retrieve data from our server as mentioned above.

2.2.1 Send Request and Response

2.2.1.1 Send Request

Get:https://kfshrcsystems.kfshrc.edu.sa/AttendanceWS/openData/Measurement/getMeasurement/2022

Host: https://kfshrcsystems.kfshrc.edu.sa

Content-Type: application/JSON

2.2.1.1 Response

Status Code: 200

Content-Type: application/JSON

Response by JSON:

Body {

```
 {
        "value": "70",
        "year": "2021",
        "name": "Test 1"
    },
    {
        "value": "80",
        "year": "2021",
        "name": "Test 2"
    },

}
```

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2.2.1.2 Send Request

Get:https://kfshrcsystems.kfshrc.edu.sa/AttendanceWS/openData/Measurement/getMeasurement/2022

Host:https://kfshrcsystems.kfshrc.edu.sa

Content-Type: application/JSON

2.2.1.2 Response

Status Code: 200

Content-Type: application/JSON

Response by JSON:

Body {

```
  {

        "value": "100",
        "year": "2020",
        "name": "Test 100"
    }
```

}

2.2.1.3 Send Request

Get:https://kfshrcsystems.kfshrc.edu.sa/AttendanceWS/openData/Measurement/getMeasurement/2022

Host: https://kfshrcsystems.kfshrc.edu.sa

Content-Type: application/JSON

2.2.1.3 Response

Status Code: 404

Content-Type: application/JSON

Response by JSON:

Body {

```
"errorMessage": "There is no data in our server for this year: 2023",
"errorCode": 404
```

}

2.2.2 Error Code

Code	Description
200	Success
404	There is no data in our server for this year
406	Not Acceptable
500	Internal Server Error