# API DOCUMENTATION

## Sample Collection Module

1. **POST /addSampleData**

   **Request:**

| Name | In | Type | Description |
|---|---|---|---|
| name | Body | String | Name Of the Person. |
| dateOfBirth | Body | Date | Date Of Birth Of the Person. |
| gender | Body | String | Gender Of the person. |
| category | Body | String | Person category [Ex- General/SC/ST] |
| familyType | Body | String | Person Family Living Type [BPL/APL]<br>Data Fetch From Family Type Master Table |
| address | Body | String | Current Address Of the Person. |
| mobileNo | Body | Integer | Active Mobile Number Of the Person. |
| altMobileNo | Body | Integer | Alternate Mobile Number Of the Person. |
| mailId | Body | String | Email Id Of The person. |
| altMailId | Body | String | Alternate email Id Of the Person |
| idProofType | Body | String | Id Proof Of the Person<br>Data fetch From idProofMaster table |
| idProofNumber | Body | String | Id Proof Number Of the Person |
| guardianName | Body | String | Guardian Of the Person |
| relationWithGuardian | Body | String | Relation With the Guardian Of the Person<br>Data Fetch From guardianType Master Table |

| | | | |
|---|---|---|---|
| guardianMobNo | Body | Integer | Mobile Number Of the Guardian Of the Person |
| medicalHistory | Body | String | Previous Disease Of the Person<br>For Options select data Fetch From Disease Master Table |
| dateTimeOfSampleCollection | Body | Date | Date and time of Sample Collection from the person |

**Response:**

Normal response codes: 200 [success]
Error response codes: badRequest(400), unauthorized(401), forbidden(403)

**Sample Response:**

```
{
        sampleTestID  :  “TS565”,
        message : “Sample Data Added Successfully”
}
```

**Sample Request:**

```
{
        name : ‘Raj Kishore’,
        dateOfBirth : ‘22/05/1991’,
        gender : ‘M’,
        category : ‘G’,
        familyType : ‘B’,
        address : ‘Plotno-455,Nayapalli,Bhubaneswar,751001’,
        mobileNo : 1122334455,
        altMobileNo : 4445556662,
        mailId : ‘abc@gmail.com’,
        altMailID : ‘’xyz@gmail.com”,
        idProofType : ‘voterId’,
        idProofNumber : ‘AFT123’,
        guardianName :  ‘Shyam Lal’,
        relationWithGuardian :  ‘Uncle’,
        gurdianMobNo :   7899877894,
        medicalHistory : ‘Diabet, Bloodp’,
}
```

**2. PUT /updateSampleData**

**Description:** Any data values are wrong so we can update. Update the sample data.

**Request:** **/updateSampleData/:sampleTestId**

| Name | In | Type | Description |
|---|---|---|---|
| **sampleTestId** | **Params** | **String** | **Unique registration code of the test to be done<br>And this value never update** |
| name | Body | String | This Value may Change as per Requirement |
| dateOfBirth | Body | Date | This Value may Change as per Requirement |
| gender | Body | String | This Value may Change as per Requirement |
| category | Body | String | This Value may Change as per Requirement |
| familyType | Body | String | This Value may Change as per Requirement |
| address | Body | String | This Value may Change as per Requirement |
| mobileNo | Body | Integer | This Value may Change as per Requirement |
| altMobileNo | Body | Integer | This Value may Change as per Requirement |
| mailId | Body | String | This Value may Change as per Requirement |
| altMailId | Body | String | This Value may Change as per Requirement |
| idProofType | Body | String | This Value may Change as per Requirement |
| idProofNo | Body | String | This Value may Change as per Requirement<br>It Depends on (idProofType) |
| guardianName | Body | String | This Value may Change as per Requirement |
| relationWithGuardian | Body | String | This Value may Change as per Requirement |
| guardianMobNo | Body | Int | This Value may Change as per Requirement |
| medicalHistory | Body | String | This Value may Change as per Requirement |
| dateTime | Body | Date | This Value may Change as per Requirement |

**Response:** Normal response codes: 200 [success]

Error response codes: badRequest(400), unauthorized(401), forbidden(403)

**Sample Response:**

```
{
        message : "Sample Collection Data Updated Successfully"
}
```

**Sample Request:**

```
sampleTestID : 'testB002'
{
                guardianName :    'Hari Patro',
                relationWithGuardian :   'Brother',
                gurdianMobNo :   8885552221
}
```

### 3. DELETE / deleteSampleData

**Description:** Delete sample data.

**Request : /deleteSampleData/: sampleTestId**

| Name | In | Type | Description |
|---|---|---|---|
| **sampleTestId** | **Params** | **String** | **Unique registration code to find the document for delete** |

**Response:** Normal response codes: 200 [success]
Error response codes: badRequest(400), unauthorized(401), forbidden(403)

**Sample Response:**

```
{
        message : "Sample Collection Data of { sampleTestID } Deleted Successfully"
}
```

**Sample Request:** **/ deleteSampleData/:**testB002

### 4. POST /addTestResult

**Description : This API is used to add test results of the patient.**

**Request:**

| **Name** | **In** | **Type** | **Description** |
|---|---|---|---|
| sampleTestId | Body | **String** | Fetch from another API, to access personal info |
| name | Body | | |
| testDeclarationDate | Body | Date | Date of the test Result Find |
| testDetails: [testType, testName, value, referenceRange] | Body | Array | Array Of Data of the tests conducted |
| remark | Body | String | Any additional message by test operator |

**Response:**

Normal response codes: 200 [success]
Error response codes: badRequest(400), unauthorized(401), forbidden(403)

**Sample Response:**

```
{
        testNo: “TS9008”
        message : “Sample Test Data Added Successfully ”
}
```

**Sample Request:**

```
{
        sampleTestID : ‘testB002’,
        name : ‘Raj Kishore’,
        testDeclarationDate: ’25-05-2020’
        testDetails:    [
                        testType: ‘Cold’,
                        testName: ‘CovidTest’,
                        value: ‘12’,
                        referenceRange: ‘1-5’
                        ],
                        [
                        testType: ‘Fever’,
                        testName: ‘Maleria’,
                        value: ‘7’,
                        referenceRange: ‘5-12’
                        ]
```

```
                remark: ‘as per test it is covid +ve’
        }
```

### 5. PUT / updateTestResult

**Description: This API user to Update the test data.**

**Request: /updateTestResult/**:testNo

| Name | In | Type | Description |
|---|---|---|---|
| sampleTestId | Body | String | Can’t update |
| testNo | Params | String | Can’t update |
| name | Body | String | Can’t update |
| testDeclarationDate | Body | Date | This Data Updates if require |
| testDetails: [testType, testName, value, referenceRange] | Body | Array | These Data Updates if require |
| Remark | Body | String | This Data Updates if require |

**Response:** Normal response codes: 200 [success]
Error response codes: badRequest(400), unauthorized(401), forbidden(403)

**Sample Response:**

```
        {
                message : “Sample Test Data Updated  Successfully ”
        }
```

**Sample Request:** **/updateTestResult/**:TS5655

```
        body: {
                testDetails:
                                [
                                testType: ‘Fever’,
                                testName: ‘Maleria’,
                                value: ‘104’,
                                referenceRange: ’95 - 102
```

```
                              ]
                    Remark: 'as per test it is covid +ve'
        }
```

6. **DELETE /deleteTestResult**

**Description: Delete a single test data.**

**Request: /deleteTestResult/:** testNo

| Name | In | Type | Description |
|---|---|---|---|
| testNo | Body | String | The unique Code of the test report, use to delete document |

**Response:** Normal response codes: 200 [success]
Error response codes: badRequest(400), unauthorized(401), forbidden(403)

**Sample Response:**

```
{
message : "Sample Test Data of Test Number { testNo } Deleted  Successfully "
}
```

**Sample Request: /deleteTestResult/:**2020Feb0002

7. **GET /getTestReportDetail**

**Description: Fetch a test report data by** testNo**.**

**Request: /getTestReportDetail?**testNo=TS656

| **Name** | In | **Type** | **Description** |
|---|---|---|---|
| testNo | Query | String | At testing time it created<br>Holds testing details |

**Response:**

| Name | Type | Description |
|---|---|---|
| testNo | String | At testing time it created<br>Holds testing details |
| name | String | Name Of the Person |
| dateOfBirth | Date | Date Of Birth Of the Person |
| gender | String | Gender Of the person |
| category | String | Person category [Ex- General/SC/ST] |
| familyType | String | Person Family Living Type [BPL/APL] |
| address | String | Current Address Of the Person |
| mobileNo | Integer | Active Mobile Number Of the Person |
| altMobileNo | Integer | Alternate Mobile Number Of the Person |
| mailId | String | Email Id Of The person |
| altMailId | String | Alternate email Id Of the Person |
| idProofType | String | Id Proof Of the Person |
| idProofNumber | String | Id Proof Number Of the Person |
| guardianName | String | Guardian Of the Person |
| relationWithGuardian | String | Relation With the Guardian Of the Person |
| guardianMobNo | Integer | Mobile Number Of the Guardian Of the Person |
| medicalHistory | String | Previous Disease Of the Person |
| dateTime | Date | Date and time of Sample Collection from the person |
| testDeclarationDate | Date | Date of the test perform |
| testDetails: [testType, testName, value, referenceRange] | Array | Test details |
| remark | String | Remarks |

**Sample Request:** **/getTestReportDetail?**testNo=TS656

**Response:** Normal response codes: 200 [success]
Error response codes: badRequest(400), unauthorized(401), forbidden(403)

**Sample Response:**

```
{
        testNo: ‘2020Feb0002’
        name : ‘Raj Kishore’,
        dateOfBirth : ‘22/05/1991’,
        gender : ‘M’,
        category : ‘G’,
        familyType : ‘B’,
        address : ‘Plotno-455,Nayapalli,Bhubaneswar,751001’,
        mobileNo : 1122334455,
        altMobNo : 4445556662,
        mailId : ‘abc@gmail.com’,
        altMailId : ‘’,
        idProofType : ‘voterId’,
        idProofNumber : ‘AFT123’,
        guradianName : ‘Shyam Lal’,
        relationWithGuardian : ‘Uncle’,
        gurdianMobNo : ‘7899877894’,
        medicalHistory : ‘[Diabet, Bloodp]’,
        testDeclarationDate: ’25-05-2020’
        testDetails:    [
                        testType: ‘Cold’,
                        testName: ‘CovidTest’,
                        value: ‘12’,
                        referenceRange: ‘1-5’
                        ],
                        [
                        testType: ‘Fever’,
                        testName: ‘Maleria’,
                        value: ‘7’,
                        referenceRange: ‘5-12’
                        ]
        remark: ‘as per test it is covid +ve’
}
```

## Patient Registration Module

**1. POST: /addPatientData**

**Description**: **-** In this API patient data will be added to the database. Registration of patients.

**Request:**

| **Name** | **In** | **Type** | **Description** |
|---|---|---|---|
| testNo | Body | String | Unique Registration code test to be done |
| name | Body | String | Full Name of the Patient will be added to the database |
| address | Body | String | Current Address will be added to the database |
| latitude | Body | Decimal | Latitude of the patient home. |
| longitude | Body | Decimal | Longitude of the patient home. |
| mobile | Body | Integer | Active Mobile Number will be added to the database |
| altMobileNo | Body | Integer | Alternative Mobile Number will be added to the database |
| mailId | Body | String | eMail ID will be added to the database |
| guardianName | Body | String | Full Name of the Guardian |

| | | | |
|---|---|---|---|
| | | | will be added to the database |
| relation | Body | String | Relation of the Patient will be added to the database |
| guardianMobNo | Body | Integer | Guardian Mobile Number will be added to the database |
| medicalHistory | Body | String | Previous Medical History will be added to the database |
| dateOfBirth | Body | Date | Date of Birth of the Patient will be added to the database |
| gender | Body | String | Gender (Male, Female) will be added to the database |
| age | Body | Integer | Age of the patient. |
| category | Body | String | SC,ST,OBC will be added to the database |
| dateTime | Body | Date | DateTimeCollection will be added to the database |
| testDeclarationDate | Body | Date | TestDeclarationDate will be added to the database |
| testDetails [testType, testName, value, referenceRange] | Body | Array | Test details(cold,covidtest,12,1.5) will be added to the database |
| remark | Body | String | As per Covid test will be added to the database |

**Response**:

```
{
        patientId  :    ”2019001”,
        massage :    ”PatientDetails added successfully”
}
```

Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

**Sample Request: {**

```
    testNo : ‘testP001’,
    name : ‘Amar’,
    address : ‘Plot-No-373, Jayadev vihar, Bhubaneswar, 751015’,
    latitude  :   20.6765489,
    longitude  :   85.9065489,
    mobileNo : ‘9853468700’ ,
    altMobileno : ‘9853468179’,
    mailId: ‘amar1984@gmail.com’,
    guardianName: ‘Raman’,
    relation: ‘Uncle’,
    guardianMobNo  : 9853127650,
    medicalHistory:     ’[Diabetes, Heart]’,
    dateOfBirth :    ’09-05-1984’
    age  :   27,
    category :     ’OBC’,
    dateTime :  ’22-03-2020’,
    testDeclarationDate :  ’23-03-2020’,
    testDetails: [
                    testType: ‘Cold’,
                    testName: ‘CovidTest’,
                    value: ‘12’,
                    referenceRange: ‘1-5’
                 ],
                [
                    testType: ‘Fever’,
                    testName: ‘Malaria’,
                    value: ‘7’,
                    referenceRange: ‘5-12’
                ]
   remark: ‘as per test it is covid +ve’
}
```

**2. PUT /updatePatientData**

**Description**: **-** In this API Patient data will be updated, if data is wrong. Update registered patient details.

**Request:** /updatePatientData/001

| **Name** | **In** | **Type** | **Description** |
|---|---|---|---|
| patientId | Params | String | Unique patient id to update detai.l |
| name | Body | String | Full Name of the Patient will be added to the database |
| address | Body | String | Current Address will be added to the database |
| mobileNo | Body | Integer | Active Mobile Number will be added to the database |
| altMobileNo | Body | Integer | Alternative Mobile Number will be added to the database |
| mailId | Body | String | eMail ID will be added to the database |
| guardianName | Body | String | Full Name of the Guardian will be added to the database |
| relation | Body | String | Relation of the Patient will be added to the database |
| guardianMobNo | Body | Integer | Guardian Mobile Number will be added to the database |

| | | | |
|---|---|---|---|
| medicalHistory | Body | String | Previous Medical History will be added to the database |
| dateOfBirth | Body | Date | Date of Birth of the Patient will be added to the database |
| age | Body | Integer | Age of the patient. |
| gender | Body | String | Gender (Male, Female) will be added to the database |
| category | Body | String | SC,ST,OBC will be added to the database |
| dateTime | Body | Date | DateTimeCollection will be added to the database |
| testDeclarationDate | Body | Date | TestDeclarationDate will be added to the database |
| testDetails[testType, testName ,value, referenceRange] | Body | Array | Test details(cold,covidtest,12,1.5) will be added to the database |
| remark | Body | String | As per Covid test will be added to the database |

**Response:**

```
{
        massage :  ” PatientDetails updated successfully”
}
```

Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

**Sample Request:**

```
{
          name : ‘Amar’,
          address :   ‘Plotn0-373, Jayadev vihar, Bhubaneswar, 751015’,
          mobileNo :   9853468700,
          altMobileNo :  9853468179,
          mailId  :   ‘amar1984@gmail.com’,
          guardianName :   ‘Raman’,
          relation:   ‘Friend’,
          guardianMobNo :   9853127650,
          medicalHistory:    ’Diabetes, Heart’,
          dateOfBirth :    ’09-05-1984’
          category :     ’ GEN’,
          dateTime :    ’22-03-2020’
          testDeclarationDate : ’23-03-2020’,
          testDetails : [
                          testType: ‘Cold’,
                          testName: ‘Covid Test’,
                          value: ‘12’,
                          referenceRange: ‘1-5’
                        ],
                        [
                          testType: ‘Fever’,
                          testName: ‘Malaria’,
                          value: ‘7’,
                          referenceRange: ‘5-12’
                        ]
        remark :    ‘as per test it is covid +ve’

     }
```

**3. DELETE:                    /deletePatientData**

**Request:** /deletePatientData/001

| Name | In | Type | Description |
|---|---|---|---|
| patientId | Params | Integer | Unique Registration code test to be done |

**Response:**

```
{
        massage:” Patient details deleted successfully”
 }
```

Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

**4. GET: /getPatientData**

**Description**: **-** In this API Patient detail will be fetched from database.

**Request:** /getPatientData?patientID=12

| Name | In | Type | Description |
|---|---|---|---|
| patientId | Query | String | Unique patient ID. |

**Response:**

| Name | Type | Description |
|---|---|---|
| testNo | Integer | Unique Registration code test to be done. |
| name | String | Name  will be fetched from the database. |
| patientId | Integer | Patient ID will be fetched from the database. |
| address | String | Address will be fetched from the database. |
| mobileNo | Integer | Mobile will be fetched from the database. |
| altMobileNo | Integer | Alternative Mobile will be fetched from the  database |
| mailId | String | eMail ID will be fetched from the database |
| guardianName | String | Guardian Name will be fetched from the  database |
| relation | String | Relation will be fetched from the database |
| guardianMobNo | Integer | Guardian Mobile Number will be fetched from the  database |
| medicalHistory | String | Medical History will be fetched from the  database |
| dateOfBirth | Date | Date of Birth will be fetched from the database |
| gender | String | Gender will be fetched from the database |
| category | String | SC/S/OBC/General will be fetched |

| | | |
|---|---|---|
| | | from the database |
| dateTime | Date | DateTimeCollection will be fetched from the database |
| testDeclarationDate | Date | TestDeclarationDate will be fetched from the database |
| testDetails[testType, testName, value, referenceRange] | Array | Test details will be fetched from the database |
| remark | String | Remark will be fetched from the database |

Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

## ***Health info capturing module***

### 1.POST: /addOxymeterData

**Description:**
The Oximeter device adds Oxygen saturation and pulse rate Details in the Database through patient Id.

**Request:**

| Name | In | Type | Description |
|---|---|---|---|
| patientId | Body | String | Unique registration code of the patient |
| oxygenSaturation | Body | Integer | Patient Oxygen Saturation |
| pulseRate | Body | Integer | Patient pulse Rate |
| dateTime | Body | Date | Date and Time |
| latitude | Body | Decimal | Location of the patient |
| longitude | Body | Decimal | Location of the patient. |
| insideRange | body | Boolean | within the home quarantine circle or not. |

**Response : {**
message :  "Oxymeter data added successfully."
}
Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

**Sample Request :**

```
{
            patientId:  ”P12”
            oxygenSaturation : 96,
            pulseRate : 91,
            dateTime : 2020-08-06T05:28:35:694Z,
            latitude :20.823559,
            longitude: 85.836253,
            insideRange : true/false
}
```

**2.GET: /getOxymeterData**

**Description:** Fetch Oxygen saturation and pulse rate Details from Database through patient Id.

**Request:** **/getOxymeterData?patientId=P12**

**Response:**

| Name | Type | Description |
|---|---|---|
| patientId | String | Unique registration code of the patient |
| oxygenSaturation | Integer | Patient Oxygen Saturation details. |
| pulseRate | Integer | Patient pulse Rate. |
| dateTime | Date | Date and Time. |
| latitude | Decimal | Location of the patient. |
| longitude | Decimal | Location of the patient. |
| insideRange | Boolean | within the home quarantine circle or not |

Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

### 3.POST: /addThermometerData

**Description:**
Add Thermometer reading data in the Database through patient id.

**Request:**

| Name | In | Type | Description |
|---|---|---|---|
| patientId | Body | String | Unique registration code of the patient |
| inCelsius | Body | Integer | Measure patient body temperature in Celsius |
| inFahrenheit | Body | Integer | Measure patient body temperature in Fahrenheit |
| dateTime | Body | Date | Date and Time |
| latitude | Body | Decimal | Location of the patient |
| longitude | Body | Decimal | Location of the patient |
| insideRange | Body | Boolean | within the home quarantine circle or not |

**Response : {**
message : “ Thermometer data added successfully.”

```
}
```

Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403

**Sample Request:**

```
{
                patientId :  ”P12”
                inCelsius : 35,
                inFahrenheit :  97,
                dateTime : 2020-08-06T05:28:35:694Z,
                latitude :  20.823559,
                longitude : 85.836253,
                insideRange :  true/false
        }
```

**4.GET** **/getThermometerData**

**Description:** Fetch Thermometer readings from the Database through patient id.

**Request:** **/getThermometerData?patient_Id=P12**

**Response:**

| Name | Type | Description |
|---|---|---|
| patientId | String | Unique registration code of the patient |
| inCelsius | Integer | Measure patient body temperature in Celsius. |

|  |  |  |
|---|---|---|
| inFahrenheit | Integer | Measure patient body temperature in Fahrenheit |
| dateTime | Date | Date and Time |
| latitude | Decimal | Location of the patient |
| longitude | Decimal | Location of the patient |
| insideRange | Boolean | within the home quarantine circle or not |

Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

**5.POST /addBpData**

**Description:**
Add BP reading data in the Database through patient id

**Request:**

| Name | In | Type | Description |
|---|---|---|---|
| patientId | Body | String | Unique registration code of the patient |
| systolic | Body | Integer | Measure patient systolic |

| | | | |
|---|---|---|---|
| diastolic | Body | Integer | Measure patient diastolic |
| dateTime | Body | Date | Date and Time |
| latitude | Body | Decimal | Location of the patient |
| longitude | Body | Decimal | Location of the patient |
| insideRange | Body | Boolean | within the home quarantine circle or not |

```
Response : {
 message :  “Blood Pressure data added successfully.”
}
```

Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

```
Sample Request:       {
                patientId :  ”P12”
                systolic: 118,
                diastolic: 78,
                dateTime : 2020-08-06T05:28:35:694Z,
                latitude :  20.823559,
                longitude : 85.836253,
                insideRange : true/false
}
```

**6.GET                                        /getBpData**

**Description:**Fetch BP reading data from the Database through patient  id.

**Request:** **/getBpData?patientId=P12**

| Name | In | Type | Description |
|---|---|---|---|
| patientId | Query | String | Unique registration code of the patient. |

**Response:**

| Name | Type | Description |
|---|---|---|
| patientId | String | Unique registration code of the patient |
| systolic | Int | Fetch patient systolic |
| diastolic | Int | fetch patient diastolic |
| dateTime | Date | Date and Time |
| latitude | Decimal | Location of the patient |
| longitude | Decimal | Location of the patient |
| insideRange | Boolean | within the home quarantine circle or not |

Normal response codes: 200

Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

**Sample Response:** {

```
patientId :  ”P12”
systolic: 118,
diastolic: 78,
dateTime : 2020-08-06T05:28:35:694Z,
        latitude :  20.823559,
        longitude : 85.836253,
        insideRange : true/false
}
```

## Kit delivery and return module

**1. POST /addKitToStock**

**Description**: - In this API the number of Kit present will be added to the database. Where the stock will be maintained regarding the number of kit available, kit types and price.

**Request: /addKitToStock**

| Name | In | Type | Description |
|---|---|---|---|
| referenceNo | Body | String | Unique code for the kit provided by the company. |
| kitType | Body | String | Type of the kit |
| kitPrice | Body | Double | Price of the kit with respect to type. |

**Response**:

```
{
        kitId: “kittest001”,
        Message : “Kit details successfully added to stock.”
}
        Normal response codes: 200[success]
        Error response codes: bad Request (400), unauthorized (401), forbidden (403)
```

**Sample Request:**

```
{
        referenceNo :   “123456mn”,
        kittype :   “Economic”,
        kitprice :   2000
}
```

### 2. GET /getKitStockDetails

**Description**: - The functionality of this API is to fetch all the details about the number of kits available with respect to kit type from the kit master table.

**Request: /getKitStockDetails**

**Response**:

| Name | Type | Description |
|---|---|---|
| kitType | String | Type of the kit |
| quantity | Integer | Number of Kit available. |

Normal response codes: 200[success]

Error response codes: bad Request (400), unauthorized (401), forbidden (403)

**Sample Response:**

```
{
        kitType: “Economic”, Quantity: 20
}
```

### 3. GET /getKitDetails

**Description**: - The functionality of this API is to fetch all the details of the kit from the kit master table and show the details.

**Request: /getKitDetails?kitId=kit56**

| Name | In | Type | Description |
|---|---|---|---|
| kitId | Query | String | Unique code generated by system. |

**Response**:

| Name | Type | Description |
|---|---|---|
| referenceNo | String | Unique code for the kit provided by the company. |
| kitType | String | Type of the kit |
| kitPrice | Double | Price of the kit with respect to type. |

Normal response codes: 200[success]
Error response codes: bad Request (400), unauthorized (401), forbidden (403)

Sample Response:

```
{
        referenceNo  :    “123456mn”,
        kitType:    “Economic”,
        kitPrice:    2000
}
```

**4.GET /getKitOrderList**

**Description**: - In this API the Kit’s which orders were placed by the patients along with patients Id and other details will be provided.

**Request : /getKitOrderList**

**Response** :

| Name | Type | Description |
|---|---|---|
| patientId | String | Unique registration code from patients regenerated when a order is placed. |
| address | String | Address of the patient. |
| mobileNo | Integer | Registered mobile number |

| | | |
|---|---|---|
| name | String | Name of the patient |
| dateTime | Date | Date and time of order |

Normal response codes: 200[success]
Error response codes: bad Request (400), unauthorized (401), forbidden (403)

Sample Response:

```
[
        {
                patientId:  “test123”,
                address:  “plot no-123, Ashok Nagar, Bhubaneswar-751009”,
                mobileNo:  7504150899,
                name:  “Sripati Pradhan”
                dateTime:  12-07-2020 & 12.30 PM
        }
]
```

### 5. GET /getKitOrderDetails

**Description**: - In this API the type of the KIT which order was placed by the patients along with patients Id and other details will be provided.

**Request**: **/getKitOrderDetails?orderNo=or565**

| **Name** | **In** | **Type** | **Description** |
|---|---|---|---|
| orderNo | Query | String | Unique order number generated when an order is placed. |

**Response**:

| **Name** | **Type** | **Description** |
|---|---|---|
| patientId | String | Unique registration code from patient regenerated when a order is placed. |

| | | |
|---|---|---|
| address | String | Address of the patient. |
| mobileNo | Integer | Registered mobile number |
| kitType | String | Type of the kit |
| latitude | Decimal | Latitude of the patient address |
| longitude | Decimal | Longitute of the patient address |
| fatherName | String | Father name of patient |
| age | Double | Age of the patient |
| photoUrl | String | Url of the photo provided by the patient. |

Normal response codes: 200[success]
Error response codes: bad Request (400), unauthorized (401), forbidden (403)

**Sample Response:**

```
{
        patientId: “test123”,
        address :  “plot no-123, Ashok Nagar, Bhubaneswar-751009”,
        mobileNo :  7504150899,
        kitType :  “Economic”,
        latitude :  35264624162.232,
        longitude :  76766876865.545,
        fatherName : “Gadadhar Pradhan”,
        age :   27,
        photoUrl  :    ”https/localhost8080/img/pic.jpg”
}
```

**6. GET /getKitStatus**

**Description**: - In this API the status of the kit is displayed by providing the kitId as input.

**Request: /getKitStatus?kitId=kit676**

| Name | In | Type | Description |
|---|---|---|---|
| kitId | Query | String | Unique registration code from the kit to be done. |

**Response**:

| Name | Type | Description |
|---|---|---|
| kitId | String | Unique registration code from the kit to be done. |
| kitType | String | Type of the kit |
| status | String | Show the status of the kit (under sanitization, ready, with patient, malfunction, not tested ) |

Normal response codes: 200[success]
Error response codes: bad Request (400), unauthorized (401), forbidden (403)

Sample Response:

```
{
        kitId: “kittest001”,
        kitType: “Economic”,
        status: “sanitization”
}
```

**7. PUT /kitStatusUpdate**

**Description**: - In this API the status of the kit will be updated in the kit master table by providing the kitId and new status.

**Request: /kitStatusUpdate**

| Name | In | Type | Description |
|---|---|---|---|
| kitId | Params | String | Unique registration code from the kit to be done. |
| status | Body | String | Status of the kit to be updated (under |

|  |  |  |  |
|---|---|---|---|
|  |  |  | sanitization, ready, with patient, malfunction, not tested ) |

Response:
{
    Message: “Kit status updated successfully.”
}
    Normal response codes: 200[success]
    Error response codes: bad Request (400), unauthorized (401), forbidden (403)

**8. PUT /kitReturn**

**Description**: - In this API the kit returned is updated in the stock.

**Request: /kitReturn**

| Name | In | Type | Description |
|---|---|---|---|
| kitId | param | String | Unique registration code from the kit to be done. |

Response:
{
    Message: “kit has returned successfully and provided for further verification.”
}
    Normal response codes: 200[success]
    Error response codes: bad Request (400), unauthorized (401), forbidden (403)

**9. POST /kitExchange**

**Description**: - In this API the status of the kit is exchanged by the patient due to certain reasons.

**Request: /kitExchange**

| Name | In | Type | Description |
|---|---|---|---|

| | | | |
|---|---|---|---|
| oldKitId | Body | String | Unique registration code from the kit to be done. |
| newKitId | Body | String | Unique registration code from the kit to be done. |
| remark | Body | String | Reason for the exchange provided by the patient. |

**Response**:

```
{
        Message: “kit exchange successfully.”
}
```

Normal response codes: 200[success]
Error response codes: bad Request (400), unauthorized (401), forbidden (403)

**10. DELETE /kitDelete**

**Description**: - In this API the Kit details are deleted from the master database.

**Request: /kitDelete**

| **Name** | **In** | **Type** | **Description** |
|---|---|---|---|
| kitId | param | String | Unique registration code from the kit to be done. |

**Response**:

```
{
        Message: “Kit details deleted successfully.”
}
```

Normal response codes: 200[success]
Error response codes: bad Request (400), unauthorized (401), forbidden (403)

**6.GET /getBpData**

**Description:**

Fetch BP reading data from the Database through patient id

**Request: /getBpData?patientId=P12**

| Name | In | Type | Description |
|---|---|---|---|
| patientId | Query | String | Unique registration code of the patient |

**Response:**

| Name | Type | Description |
|---|---|---|
| patientId | String | Unique registration code of the patient |
| systolic | Integer | Fetch Patient systolic |
| diastolic | Integer | fetch patient diastolic |
| dateTime | Date | Date and Time |
| latitude | Decimal | Location of the patient |
| longitude | Decimal | Location of the patient |
| insideRange | Boolean | within the home quarantine circle or not |

Normal response codes: 200
Error response codes:
bad Request (400), unauthorized (401), forbidden (403)

## Oxygen cylinder inventory module

1. **POST** **/addFilledOxyCylinders**

**Description:** In this API filled oxygen cylinders will add / entry to the database as well as stock.

**Request:** **/addFilledOxyCylinders**

| Name | In | Value type | Description |
|---|---|---|---|
| cylinderType | Body | String | Type of cylinder to be added. |
| quantity | Body | Integer | No. of filled cylinders added to stock. |

**Response:**

```
{
        message :  "Filled oxygen cylinders successfully added to stock."
}
```

Normal response codes: 200 [success]
Error response codes: badRequest(400), unauthorized(401), forbidden(403)

**Sample request:**

```
{
        CylinderType :  ”5kg”,
        Quantity :   5
}
```

### 2. POST /addBlankOxyCylinders

**Description:** In this API blank oxygen cylinders will add / entry to the database as well as stock.

**Request:** **/addBlankOxyCylinders**

| Name | In | Value type | Description |
|---|---|---|---|
| cylinderType | Body | String | Type of cylinder to be added. |
| quantity | Body | Integer | No. of blank cylinders added to stock. |

**Response:**

```
{
        message :  “Blank oxygen cylinders successfully added to stock.”
}
```

Normal response codes: 200 [success]
Error response codes: badRequest(400), unauthorized(401), forbidden(403)

**Sample request:**

```
{
        cylinderType :  ”5kg”,
        quantity :   5
}
```

3. **GET** **/getOxyCyStockList**

**Description:** This API fetches a stock information list of oxygen cylinders.

**Request:** **/getOxyCyStockList**

**Response:**

| **Name** | **Value type** | **Description** |
|---|---|---|
| cylinderType | String | Type of cylinder. |
| filledCylinder | Integer | No. of filled cylinders available in stock. |
| blankedCylinder | Integer | No. of blank cylinders available in stock. |

Normal response codes: 200[success]
Error response codes: badRequest(400), unauthorized(401),forbidden(403)

**Sample response :**

```
[
        {
                cylinderType :  ”3kg”,
                filledCylinder :  45,
                blankedCylinder :  20
        }, {
                cylinderType :  ”5kg”,
                filledCylinder :  88,
                blankedCylinder :  30
        }, {
                cylinderType :  ”15kg”,
                filledCylinder :  18,
                blankedCylinder :  40
        }
]
```

4. **GET** **/getOrderListFromHospital**

**Description:** This API fetches all order lists from the hospital to deliver oxygen cylinders to the patient’s home.

**Request:** **/getOrderListFromHospital**

**Response:**

| Name | Value type | Description |
|---|---|---|
| orderNo | String | Unique order number . |
| dateTime | Date | Time of order passed from the hospital. |
| cylinderType | String | Type of cylinder will be delivered to the patient. |
| quantity | Integer | How many cylinders deliver. |

| | | |
|---|---|---|
| patientId | String | Unique ID of patient. |
| address | String | Address of the patient for delivery order. |

Normal response codes: 200[success]
Error response codes: badRequest(400), unauthorized(401),forbidden(403)

**Sample response :**

```
[
        {
                orderNo :   “ord321”,
                dateTime :   “7-8-2020 8:03:12PM”,
                cylinderType :  ”3kg”,
                quantity :  2,
                patientId :  “P612”,
                address :  “platNo- 102, New Forest Park Colony, Bhubaneswar.”
        },{
                orderNo :   “ord322”,
                dateTime :   “7-8-2020 9:03:12PM”,
                cylinderType :  ”15kg”,
                quantity :  1,
                patientId :  “P318”,
                address :  “platNo- 92, New bapuji nagar, Bhubaneswar.”
        }
]
```

5. **GET** **/getHospitalOrderDetail**

**Description:** This API fetches all the details about an order, which order comes from the hospital.

**Request :** **/getHospitalOrderDetail?orderNo=”ord32”**

**Response:**

| Name | Type | Description |
|---|---|---|
| orderNo | String | Unique order number . |
| dateTime | Date | Time of order passed from the hospital. |
| cylinderType | String | Type of cylinder will be delivered to the patient. |
| quantity | Integer | How many cylinders deliver. |
| patientId | String | Unique ID of patient. |
| name | String | Name of the delivery receiver patient. |
| fatherName | String | Father name of the patient. |
| age | Integer | Age of the patient. |
| mobileNo | Integer | Mobile number of the patient. |
| altMobileNo | Integer | Alternate mobile number of the patient. |
| photoUrl | String | URL for showing the patient picture. |
| address | String | Address of the patient for delivery order. |
| latitude | Decimal | Latitude of patient location. |
| longitude | Decimal | Longitude of patient location. |

**Response:**

Normal response codes: 200[success]

Error response codes: badRequest(400), unauthorized(401),forbidden(403)

**Sample Response:**

```
[
        {
                orderNo :   “ord321”,
                dateTime :   “7-8-2020 8:03:12PM”,
                cylinderType :  ”3kg”,
                quantity :  2,
                patientId :  “P612”,
                name : “Gaurav sharma”,
                fatherName : “Samir sharma”,
                age :  36,
                mobileNo :  99376032890,
                altMobileNo :   7008533712,
                photoUrl :  “public/uploads/patientPics”,
                address :  “platNo- 102, New Forest Park Colony, Bhubaneswar.”
                latitude : 20.8567689,
                longitude :   85.6569601,
        }
]
```

6. **POST** **/addMiscellaneousDelivery**

Description: **:** In this API the order detail of a customer will add to the database.

**Request :**

| Name | In | Type | Description |
|---|---|---|---|
| dateTime | Body | Date | Delivery date & time. |
| cylinderType | Body | String | Which type of cylinder. |
| quantity | Body | Integer | No. of cylinders. |
| accessories | Body | String | If any accessories are delivered. |
| accQuantity | Body | Integer | Quantity of accessories delivered. |
| deliveredTo | Body | String | Patient name. |

| | | | |
|---|---|---|---|
| referenceNo | Body | String | Reference number of delivery. |
| mobileNo | Body | Integer | Mobile no. of patient. |
| address | Body | String | Address of patient. |
| remark | Body | String | Add remark. |

**Response:**

```
{
        message:”Miscellaneous delivery detail added successfully.”
}
```

Normal response codes: 200[success]

Error response codes: badRequest(400), unauthorized(401),forbidden(403)

**Sample request :**

```
{
        dateTime :  ”7-8-2020 8:03:12PM”,
        cylinderType :  ”5kg”,
        quantity :  10,
        accessories :  ”Pipe”,
        accQuantity :  2,
        deliveredTo :  ”Minati Das”,
        referenceNo :  ”Minati Das”,
        mobileNo. :  9040196730,
        address :  ”plotNo. - 1523, bapuji nagar, Bhubaneswar”
        remark :  ”All good.”,
}
```