

Routiney Bot Documentation

Base API Endpoint: <http://v3.unimy.asaurav.com.np/bot/>

GET Request:

Required Parameters:

- For Bots:
 - secret_key
 - serverId
- For APIs:
 - key

If either of the above given parameters are not provided in get request, the backend will raise an Authentication Error.

Output Layout:

```
{
  "section": INT,
  "key": TOKEN_30_CHARS,
  "notificationsON": BOOL,
  "timeZoneFix": [INT,INT],
  "startNotification": BOOL,
  "preNotification": BOOL,
  "classLogo": URL,
  "preTime": INT,
  "channelId": STRING,
  "serverId": STRING,
  "subjects": [],
  "routine": []
}
```

Things to be noted:

The subjects parameter returns all the subject given section has. We can look at the given example to find out the format:

```
{
  "name": "Computer organization & Architecture",
  "shortForm": "COA",
  "emote": null,
  "classes": [
```

```

    {
        "teacher": "ET",
        "type": "Lecture",
        "link": "LINK 123"
    }
]
},

```

As we can see, the classes is an array of objects. It is recommended to use the predefined subjects [Maybe Use a Dropdown], instead of creating everytime since we rarely create a new subject.

The classes is an array, as one subject can have multiple teacher. For example a same Maths subject can be taught by multiple teachers.

POST Request

Required Parameters:

- For Bots:
 - secret_key

If either of the above given parameters are not provided in get request, the backend will raise an Authentication Error.

Following parameters are required:

```

{
    "secret_key": SECRET_VALUE
    "section_code": "PULBCT076ADSSS",
    "section_name": "Computer Engg 76 ADS"
}

```

SECTION CODE MUST BE UNIQUE and Less than or equal to 16 chars worth, some random characters can be added at the end like BCT76CD_AHDSDAS to force such uniqueness. Or use an universally unique code such as "IOEPUL076BCTCD"

This will return you a response such as:

```

{
    "section": 6,
    "key": "JHBv0ZFE12ptQufkw0DvLWNIZ7iuXp",
    "notificationsON": true,
    "timeZoneFix": [
        10,
        45
    ],
    "startNotification": true,
    "preNotification": true,
}

```

```

    "classLogo": "https://example.com/favicon.ico",
    "preTime": 10,
    "channelId": "AaKaK0H5z9GiQjpEw6FDjzAUiS7fqi",
    "serverId": "V5Id7fwedGHilTXVp795YmTNlNS1Xh",
    "subjects": [],
    "routine": [
        {},
        {},
        {},
        {},
        {},
        {}
    ]
}

```

The Key parameter is randomly created 30 chars long string of text, and initially channelId and serverId are also randomly created in order to enforce Unique Constraints imposed on database level. Other values are default values. We can send a PUT request to the server with given serverId and secret key to change these values.

PUT Request

You will need to pass in an additional parameter, i.e. "secret_key" along with all the other parameters you get in a GET request. If you change any of the value within it, it will be updated in the database or if you do not include an property, you will either get a Validation Error or the value of that property will now be null.

The Following parameters are readonly and cannot be changed, any request sent with the changes in these fields will be ignored:

- key
- classLink [Not to be confused with _url from parameter object routine]
-

```

{
    "section": 3,
    "key": "KEY_VALUE", \ If request from API
    "secret_key": "SECRET_VALUE" \\ IF request from a bot
    "notificationsON": true,
    "timeZoneFix": [
        5,
        45
    ],
    "startNotification": true,
    "preNotification": true,
}

```

```

"classLogo": "https://i.imgur.com/0QwR8CB.png",
"preTime": 10,
"channelId": "750431836827680898",
"serverId": "750431836827680898",
"subjects": [
  {
    "name": "Probability and Statistics",
    "shortForm": "Stats",
    "emote": null,
    "classes": [
      {
        "teacher": "ET",
        "type": "Lecture",
        "link": ""
      },
      {
        "teacher": "ET",
        "type": "Lecture",
        "link": "LINK 123"
      },
      {
        "teacher": "ET",
        "type": "Lecture",
        "link": "LINK 123"
      }
    ]
  },

```

// Some data has not been included as we can look at above example object

```

],
"routine": [
  {
    "_periods": [
      "Communication English",
      "Communication English",
      "Probability and Statistics",
      "Computer organization & Architecture",
      "Computer sergeination & carchituture"
    ],
    "_teachers": [
      "ET",
      "ET",
      "ET",

```

```
        "ET",
        "ET"
    ],
    "_timing": [
        [
            [
                "10",
                "15"
            ],
            [
                "13",
                "35"
            ]
        ],
        [
            [
                "13",
                "35"
            ],
            [
                "15",
                "15"
            ]
        ],
        [
            [
                "14",
                "25"
            ],
            [
                "16",
                "05"
            ]
        ],
        [
            [
                "16",
                "05"
            ],
            [
                "16",
                "55"
            ]
        ]
    ]
}
```

```

        ],
        [
            [
                "16",
                "55"
            ],
            [
                "17",
                "55"
            ]
        ]
    ],
    "_emotes": [
        "https://url1.com",
        "https://url1.com",
        "https://url2.com",
        "https://url3.com",
        "https://url4.com"
    ],
    "_urls": [
        "LINK 123",
        "LINK 123",
        "LINK 456",
        "LINK 678",
        "OH MY LINK"
    ]
},
{},
{},
{},
{},
{}
]
}

```

For array based objects we have not included full datas, since it will make the example request too long. Like in subject parameter [Ignored by API], which is read only. You can choose not to include it but, it's better to send like recieved from GET request by changing some values only.