**## Meeting Room Booking API Documentation**

**### MasterRoom\_API**

**#### 1. Create Meeting Room**

- \*\***Endpoint:\*\* `POST /meetings/rooms/`**

- \*\***Request Body:\*\***

- `Rooms\_name` (string, required): Name of the meeting room.

**- \*\*Response:\*\***

- Success (201 Created):

- `{ "message": "{room\_name} meeting room is Created Successfully" }`

- **Error (400 Bad Request):**

- `{ "message": "{room\_name} meeting room is already Exists" }`

- **Error (500 Internal Server Error):**

- Detailed error information.

**#### 2. Get All Meeting Rooms**

**- \*\*Endpoint:\*\* `GET /meetings/rooms/`**

**- \*\*Response:\*\***

- Success (200 OK):

- List of all meeting rooms.

**### Booking\_API**

**#### 1. Book a Meeting Room**

- **\*\*Endpoint:\*\* `POST /meeting/create/`**

- **\*\*Request Body:\*\***

- `Booking\_Room` (integer, required): ID of the meeting room.

- `Bookingname` (string, required): Name of the person booking the room.

- `Starting\_Time` (datetime, required): Start time of the booking.

- `Ending\_Time` (datetime, required): End time of the booking.

- `date` (date, required): Date of the booking.

- ‘Purpose of meeting’ (string, required): write about purpose of the meeting to booking the room.

**- \*\*Response:\*\***

- Success (201 Created):

- `{ "message": "Mr/Mrs {Bookingname} your meeting room is Booked successfully by you" }`

- **Error (404 Not Found):**

- `{ "message": "Mr/Mrs {Bookingname} your meeting room is Not Available On that time in this Room after {ending\_time} is available" }`

- **Error (500 Internal Server Error):**

- Detailed error information.

**#### 2. Get All Bookings**

**- \*\*Endpoint:\*\* `GET /meeting/create/`**

**- \*\*Response:\*\***

- Success (200 OK):

- List of all bookings.

**#### 3. Update Booking**

**- \*\*Endpoint:\*\* `PUT /meeting/create/`**

**- \*\*Request Parameters:\*\***

- `id` (integer, required): ID of the booking to be updated.

**- \*\*Request Body:\*\***

- Fields to be updated (e.g., `Booking\_Room`, `Bookingname`, `Starting\_Time`, `Ending\_Time`,’date’ ,’Purpose of meeting’).

**- \*\*Response:\*\***

- Success (201 Created):

- `{ "message": "Mr/Mrs {Bookingname} your meeting room is Booking Updated successfully by you" }`

**- Error (404 Not Found):**

- `{ "message": "Mr/Mrs {Bookingname} your meeting room is Not Available On that time in this Room after {ending\_time} is available" }`

**- Error (500 Internal Server Error):**

- Detailed error information.

**#### 4. Delete Booking**

- **\*\*Endpoint:\*\* `DELETE /meeting/create/`**

**- \*\*Request Parameters:\*\***

- `id` (integer, required): ID of the booking to be deleted.

**- \*\*Response:\*\***

- Success (200 OK):

- `{ "message": "{Bookingname} meeting room is Deleted Successfully" }`

**### BookingSearchAPI**

**#### 1. Search Bookings**

**- \*\*Endpoint:\*\* `GET /meeting /search/`**

**- \*\*Request Parameters:\*\***

- `room\_id` (integer, optional): ID of the meeting room.

- `start\_time` (time, optional): Start time for the search.

- `end\_time` (time, optional): End time for the search.

-‘date’ (date, optional): Date for the search.

**- \*\*Response:\*\***

- Success (200 OK):

- List of bookings matching the search criteria.

**- Error (400 Bad Request):**

- Detailed error information.