

Endpoints

/upload_file

- Method: POST
- URL Params: None
- Data Params:
 - file: The file to be uploaded (PDF format).
 - course_name: The name of the course associated with the uploaded file.
 - course_settings: The settings for the course in JSON format.
- Success Response:
 - Code: 200
 - Content: "Index created for {course_name}"
- Error Response:
 - Code: 400
 - Content: "Missing file." or "Empty filename." or "Missing course settings."
 - Code: 500
 - Content: {error: str(e)}
- Description: This endpoint allows users to upload a PDF file related to a course. The file is saved in a dedicated directory with a unique name. Additionally, the endpoint processes course settings and creates an index for the course.

Sample Request (curl)

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://localhost:5000/upload_file
- Headers:** Content-Type: multipart/form-data
- Body:** multipart/form-data with the following parameters:
 - file:** CourseBotforPDF API documentation.p...
 - course_name:** something
 - course_settings:** {"NoOfTopics": 3, "NoOfSubTopicsF...

```
curl -i -X POST \
-H "Content-Type:multipart/form-data" \
```

```
-F "file=@\"./Pages from BCBF_English (1).pdf\";type=application/pdf;filename=\"Pages from BCBF_English (1).pdf\" \" \
-F "course_name=PagesBCBFtest" \
-F "course_settings=\"{\\\"NoOfTopics\\\": 3, \\\"NoOfSubTopicsPerTopic\\\": 2, \\\"NoOfBulletsPerSubTopic\\\": 4, \\\"NoOfWordsPerBullet\\\": 10, \\\"NoOfWordsForVOPerBullet\\\": 20, \\\"NoOfWordsPerTopicSummary\\\": 10, \\\"NoOfWordsForVOPerTopicSummary\\\": 20}\" \" \" \
'http://18.142.129.190/upload_file'
```

Sample Response

ResponseCache Detected - Elapsed Time: 20.58s

200 OK

headers [0]

BODY ⓘ

pretty ▾

```
{
  course_name: "something",
  learning_objectives: [
    "Understand the need of a bank and its various functions.\n",
    "Learn about the different types of banks in India and their recent trends.\n",
    "Explore the various banking services available and their benefits.\n",
    "Analyze the impact of technology on banking services.\n",
    "Develop an understanding of the importance of financial inclusion."
  ],
  topics: [
    {
      topic_name: "Generate summaries and voiceover scripts for each topic.\n"
    },
    {
      topic_name: "Generate bullet points for each subtopic in each topic.\n"
    },
    {
      topic_name: "Save the updated topics list (with subtopics) to a JSON file."
    }
  ]
}
```

lines nums  copy

length: 632 bytes

/get_topics

- Method: POST
- URL Params: None
- Data Params:
 - course_name: The name of the course for which topics are requested.
- Success Response:
 - Code: 200
 - Content: { course_data }
- Error Response:
 - Code: 400
 - Content: "Missing course_name." or "Missing course_settings.json file."
 - Code: 500
 - Content: { "error": str(e) }
- Description: This endpoint retrieves the topics for a specified course. It generates topics based on the provided course settings and returns the course data in JSON format.

Sample Request (curl)

```
curl -i -X POST \  
-H "Content-Type:application/json" \  
-d \  
' {"course_name": "PagesBCBFtest"}' \  
'http://18.142.129.190/get_topics'
```

Sample Response

```
{  
  "course_name": "PagesBCBFtest",  
  "learning_objectives": [  
  ],  
  "topics": [  
    {  
      "topic_name": "Understand the need of a bank and its various functions\n"  
    },  
    {  
      "topic_name": "Learn about the various types of banks in India and their recent trends\n"  
    },  
    {  
      "topic_name": "Explore the different banking services available and their benefits"    }  
  ]  
}
```

```
}  
  ]  
}
```

/saveTopics

- Method: POST
- URL Params: None
- Data Params:
 - course_name: The name of the course.
 - topics: A list of topic names.
- Success Response:
 - Code: 200
 - Content: { course_data }
- Error Response:
 - Code: 400
 - Content: "Missing course_name." or "Missing topics." or "Missing course_settings.json file." or "NoOfSubTopicsPerTopic not found in course settings."
 - Code: 500
 - Content: { "error": str(e) }
- Description: This endpoint takes a list of topics and generates a specified number of subtopics for each topic. It then saves the updated topics list (with subtopics) to a JSON file.

Sample Request (curl)

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://localhost:5000/saveTopics
- Headers:** Content-Type: application/json (selected)
- Body:**

```
{
  "course_name": "something",
  "learning_objectives": [
    "Understand the need of a bank and its various",
    "Learn about the different types of banks in In",
    "Explore the various banking services available",
    "Analyze the impact of technology on banking se",
    "Develop an understanding of the importance of"
  ],
  "topics": [
    {
      "topic_name": "Generate summaries and voice"
    }
  ]
}
```
- Response:** 200 OK
- Response Body:**

```
{
  "course_name": "something",
  "learning_objectives": [
    "Understand the need of a bank and its various",
    "Learn about the different types of banks in In",
    "Explore the various banking services available",
    "Analyze the impact of technology on banking se",
    "Develop an understanding of the importance of"
  ],
  "topics": [
    {
      "topic_name": "Generate summaries and voice"
    }
  ]
}
```

```
curl -i -X POST \
  -H "Content-Type:application/json" \
  -d \
  '{
    "course_name": "PagesBCBFtest",
    "learning_objectives": [
      "Understand the need of a bank and its various",
      "Learn about the different types of banks in In",
      "Explore the various banking services available",
      "Analyze the impact of technology on banking se",
      "Develop an understanding of the importance of"
    ],
    "topics": [
      {
        "topic_name": "Generate summaries and voice"
      }
    ]
  }'
```



```

{
  "course_name": "PagesBCBFtest",
  "learning_objectives": [
  ],
  "topics": [
    {
      "subtopics": [
      ],
      "topic_name": "Understand the need of a bank and its various functions\n"
    },
    {
      "subtopics": [
        {
          "subtopic_name": "Need of a Bank\n"
        },
        {
          "subtopic_name": "Various Types of Banks in India"
        }
      ],
      "topic_name": "Learn about the various types of banks in India and their recent trends\n"
    },
    {
      "subtopics": [
        {
          "subtopic_name": "Need of Banking Services\n"
        },
        {
          "subtopic_name": "Increased Use of Technology in Banking"
        }
      ],
      "topic_name": "Explore the different banking services available and their benefits"
    }
  ]
}

```

/saveSubtopics

- Method: POST
- URL Params: None

- Data Params:
 - course_name: The name of the course.
 - topics: A list of topic names.
- Success Response:
 - Code: 200
 - Content: { course_data }
- Error Response:
 - Code: 400
 - Content: "Missing course_name." or "Missing topics." or "Missing course_data.json file." or "Missing course_settings.json file."
 - Code: 500
 - Content: { "error": str(e) }
- Description: This endpoint generates summaries and voiceover scripts for each topic. It then saves the updated course data (including these summaries and scripts) to a JSON file.

Sample Request (curl)

POST http://localhost:5000/saveSubtopics

METHOD: POST | URL: http://18.142.129.190/saveSubtopics | length: 35 byte(s)

HEADERS: Content-Type: multipart/form-data, Content-Type: application/json

BODY (Text):

```

1 {
2   "course_name": "something",
3   "learning_objectives": [
4     "Understand the need of a bank and its various",
5     "Learn about the different types of banks in Ir",
6     "Explore the various banking services available",
7     "Analyze the impact of technology on banking se",
8     "Develop an understanding of the importance of",
9   ],
10  "topics": [
11    {
12      "subtopics": [
13        {
14          "summary": "The need of a bank is to provide a safe place for people to store their money and to provide them with various banking services.",
15          "voiceover_script": "The need of a bank is to provide a safe place for people to store their money and to provide them with various banking services."
16        }
17      ]
18    }
19  ]
20 }
  
```

Response

```

curl -i -X POST \
  -H "Content-Type:application/json" \
  -d \
  '{
    "course_name": "PagesBCBFtest",
  
```



```
"learning_objectives": [
],
"topics": [
  {
    "subtopics": [
    ],
    "topic_name": "Understand the need of a bank and its various functions\n"
  },
  {
    "subtopics": [
      {
        "subtopic_name": "Need of a Bank\n"
      },
      {
        "subtopic_name": "Various Types of Banks in India"
      }
    ],
    "topic_name": "Learn about the various types of banks in India and their recent trends\n"
  },
  {
    "subtopics": [
      {
        "subtopic_name": "Need of Banking Services\n"
      },
      {
        "subtopic_name": "Increased Use of Technology in Banking"
      }
    ],
    "topic_name": "Explore the different banking services available and their benefits"
  }
]
}\n
'http://18.142.129.190/saveSubtopics'
```

Sample Response

ResponseCache Detected - Elapsed Time: 28.54s

200 OK

headers [0]

BODY ⓘ

pretty ▾

```
{
  course_name: "something",
  learning_objectives: [
    "Understand the need of a bank and its various functions.\n",
    "Learn about the different types of banks in India and their recent trends.\n",
    "Explore the various banking services available and their benefits.\n",
    "Analyze the impact of technology on banking services.\n",
    "Develop an understanding of the importance of financial inclusion."
  ],
  topics: [
    {
      subtopics: [
        {
          subtopic_name: "Understand the importance of summaries and voiceover scripts\n"
        },
        {subtopic_name: "Explore the different techniques for creating summaries and v
        }
      ],
      topic_name: "Generate summaries and voiceover scripts for each topic.\n",
      topic_summary: "Create summaries and voiceover scripts for banking services and their
      topic_summary_voiceover_script: "\nVoiceover Script: Technology is revolutionizing ba
    },
    {subtopics: [ {subtopic_name: "Understand the Need of a Bank and Its Various Functions
    },
    {subtopics: [ {subtopic_name: "Understand the process of saving topics list to a JSON
  ]
}
```

Top

Bottom

Collapse

Open

2Request

Copy

Download

```
{
  "course_name": "PagesBCBFtest",
  "learning_objectives": [
  ],
  "topics": [
    {
      "subtopics": [
      ],
      "topic_name": "Understand the need of a bank and its various functions\n",
      "topic_summary": "\nBanking services are necessary; deposit taking, lending,
investment, remittance, credit, insurance, risk management, technology, global standards,
customer service.",
    }
  ]
}
```

"topic_summary_voiceover_script": "The need of a bank is essential for everyone. Banks offer services such as savings, remittance, credit, insurance, and other risk management products. Banks also provide services such as money transfer, payment for utilities, tax payments, lending, foreign exchange, safe deposit vault, ATM machines, credit/debit cards, and selling mutual fund units and insurance products."

```
    },
    {
      "subtopics": [
        {
          "subtopic_name": "Need of a Bank\n"
        },
        {
          "subtopic_name": "Various Types of Banks in India"
        }
      ],
      "topic_name": "Learn about the various types of banks in India and their recent trends\n",
      "topic_summary": "\nTypes of banks in India, functions, trends, need, services, remittance, credit, products, local area, small finance.",
      "topic_summary_voiceover_script": "This chapter provides an overview of the various types of banks in India, their functions, and recent trends in Indian banking. Learn about the need for banks, the meaning of a bank, and the different types of banks in India."
    },
    {
      "subtopics": [
        {
          "subtopic_name": "Need of Banking Services\n"
        },
        {
          "subtopic_name": "Increased Use of Technology in Banking"
        }
      ],
      "topic_name": "Explore the different banking services available and their benefits",
      "topic_summary": "\nBanking services provide access, financial needs, products, risk management, technology, inclusion, fee-based services, and growth.",
      "topic_summary_voiceover_script": "\nExplore the various banking services available and their benefits, such as savings, remittance, credit, insurance, and risk management products. Learn how these services can help you meet your financial needs."
    }
  ]
}
```

/saveTopicSummary

- Method: POST
- URL Params: None
- Data Params:
 - course_name: The name of the course.
 - topics: A list of topic names.
- Success Response:
 - Code: 200
 - Content: { "message": course_data }
- Error Response:
 - Code: 400
 - Content: "Missing course_name." or "Missing topics." or "Missing course_data.json file." or "Missing coursesettings.json file."
 - Code: 500
 - Content: { "error": str(e) }
- Description: This endpoint generates bullet points for each subtopic in each topic. It then updates the existing course data (including these bullet points) in a JSON file.

Sample Request (curl)

```
curl -i -X POST \
-H "Content-Type:application/json" \
-d \
'{
  "course_name": "PagesBCBFtest",
  "learning_objectives": [
  ],
  "topics": [
    {
      "subtopics": [
      ],
      "topic_name": "Understand the need of a bank and its various functions\n",
      "topic_summary": "\nBanking services are necessary; deposit taking, lending,
investment, remittance, credit, insurance, risk management, technology, global standards,
customer service.",
      "topic_summary_voiceover_script": "The need of a bank is essential for everyone. Banks
offer services such as savings, remittance, credit, insurance, and other risk management
```

products. Banks also provide services such as money transfer, payment for utilities, tax payments, lending, foreign exchange, safe deposit vault, ATM machines, credit/debit cards, and selling mutual fund units and insurance products."

```
    },
    {
      "subtopics": [
        {
          "subtopic_name": "Need of a Bank\n"
        },
        {
          "subtopic_name": "Various Types of Banks in India"
        }
      ],
      "topic_name": "Learn about the various types of banks in India and their recent trends\n",
      "topic_summary": "\nTypes of banks in India, functions, trends, need, services, remittance, credit, products, local area, small finance.",
      "topic_summary_voiceover_script": "This chapter provides an overview of the various types of banks in India, their functions, and recent trends in Indian banking. Learn about the need for banks, the meaning of a bank, and the different types of banks in India."
    },
    {
      "subtopics": [
        {
          "subtopic_name": "Need of Banking Services\n"
        },
        {
          "subtopic_name": "Increased Use of Technology in Banking"
        }
      ],
      "topic_name": "Explore the different banking services available and their benefits",
      "topic_summary": "\nBanking services provide access, financial needs, products, risk management, technology, inclusion, fee-based services, and growth.",
      "topic_summary_voiceover_script": "\nExplore the various banking services available and their benefits, such as savings, remittance, credit, insurance, and risk management products. Learn how these services can help you meet your financial needs."
    }
  ]
}
'\n
'http://18.142.129.190/saveTopicSummary'
```

Sample Response

```
{
  "message": {
    "course_name": "PagesBCBFtest",
    "learning_objectives": [
    ],
    "topics": [
      {
        "subtopics": [
        ],
        "topic_name": "Understand the need of a bank and its various functions\n",
        "topic_summary": "\nBanking services are necessary; deposit taking, lending, investment, remittance, credit, insurance, risk management, technology, global standards, customer service.",
        "topic_summary_voiceover_script": "The need of a bank is essential for everyone. Banks offer services such as savings, remittance, credit, insurance, and other risk management products. Banks also provide services such as money transfer, payment for utilities, tax payments, lending, foreign exchange, safe deposit vault, ATM machines, credit/debit cards, and selling mutual fund units and insurance products."
      },
      {
        "subtopics": [
          {
            "subtopic_bullets": [
              "1. Access to financial services.",
              "2. Savings and remittance services.",
              "3. Credit and ancillary products.",
              "4. Insurance and risk management."
            ],
            "subtopic_name": "Need of a Bank\n",
            "subtopic_voiceover_script": {
              "Bullet 1 Voiceover Script": "\n\nAccess to financial services is now easier than ever. With the introduction of the Pradhan Mantri Jan Dhan Yojana, Pradhan Mantri Jeevan Jyoti Scheme, and Pradhan Mantri Suraksha Bima Yojana, banking services are now available to everyone, no matter where they are. Technology has made it possible to access banking services anytime, anywhere. With the help of Business Correspondents and Business Facilitators, banking services are now available in even the remotest areas. Get access to financial services today!\n",
              "Bullet 2 Voiceover Script": "\n\nBanks provide savings and remittance services to help customers securely store and transfer money. With banks, customers can easily and
```

quickly transfer funds from one place to another, making it a convenient and cost-effective way to manage finances.",

"Bullet 3 Voiceover Script": "\nBanks offer a range of credit and ancillary products to meet the needs of customers. These include cash credits, overdrafts, demand loans, term loans, corporate loans, SME advances, agricultural loans, retail loans, foreign currency loans, educational loans, vehicle loans and more.",

"Bullet 4 Voiceover Script": "\nInsurance and risk management are important services that banks provide to their customers. Banks offer insurance products and services to help protect customers from financial losses and manage risks. Banks also provide advisory services to help customers make informed decisions about their finances."

}

},

{

"subtopic_bullets": [

""

"1. Public Sector Banks: State-owned banks providing banking services to the public.",

"2. Nationalized Banks: Banks taken over by the government to provide banking services.",

"3. Private Banks: Banks owned by individuals or companies providing banking services.",

"4. Foreign Banks: Banks from other countries providing banking services in India."

],

"subtopic_name": "Various Types of Banks in India",

"subtopic_voiceover_script": {

"Bullet 1 Voiceover Script": "\nIncreased Use of Technology\n\nVoice-over Script: Technology is revolutionizing banking operations, enabling off-site banking, payment of utilities, travel reservations, and more. Core Banking Solution has enabled anywhere, anytime banking. Mobile banking is becoming increasingly popular. Funds can be transferred quickly and securely through RTGS and NEFT. Banks are also offering \"wallet\" banking services. Plastic money such as credit and debit cards are becoming commonplace.",

"Bullet 2 Voiceover Script": "\nPublic sector banks are state-owned banks providing banking services to the public. They are characterized by majority ownership by the Government of India and offer a variety of services such as SBI Life Insurance, SBI Mutual Funds, SBI Factors, SBI Capital Markets, and SBI Cards.",

"Bullet 3 Voiceover Script": "\nNationalized Banks are banks taken over by the government to provide banking services. They have the largest number of branches in metro, urban, semi-urban and rural areas across the country.",

"Bullet 4 Voiceover Script": "\nPrivate banks are owned by individuals or companies and provide banking services. They offer a variety of services such as deposits, loans, investments, and remittances. They are known for their competitive rates and customer service. Private banks are a great option for those looking for a reliable and secure banking experience.",

"Bullet 5 Voiceover Script": "\nForeign banks provide banking services in India, offering a wide range of services such as corporate banking, foreign exchange, export/import finance, and merchant banking. They offer customers access to global financial markets and products."

```
    }  
  }  
],  
  "topic_name": "Learn about the various types of banks in India and their recent trends\n",
```

```
  "topic_summary": "\nTypes of banks in India, functions, trends, need, services, remittance, credit, products, local area, small finance.",
```

```
  "topic_summary_voiceover_script": "This chapter provides an overview of the various types of banks in India, their functions, and recent trends in Indian banking. Learn about the need for banks, the meaning of a bank, and the different types of banks in India."
```

```
  },  
  {  
    "subtopics": [  
      {  
        "subtopic_bullets": [  
          "1. Access to financial products.",  
          "2. Investment banking activities.",  
          "3. Financial inclusion.",  
          "4. Automation of banking operations."  
        ],  
        "subtopic_name": "Need of Banking Services\n",  
        "subtopic_voiceover_script": {  
          "Bullet 1 Voiceover Script": "\n\nAccess to financial products is now easier than ever. With the introduction of Pradhan Mantri Jan Dhan Yojana, Pradhan Mantri Jeevan Jyoti Scheme, and Pradhan Mantri Suraksha Bima Yojana, everyone can now access banking services and financial products at an affordable cost.\n",  
          "Bullet 2 Voiceover Script": "\n\nInvestment banking activities are fee-based services in India that provide advice, wealth management, and insurance and mutual fund products. Banks are now offering these services to low-income and disadvantaged groups to promote financial inclusion.\n",  
          "Bullet 3 Voiceover Script": "\n\nFinancial inclusion is the process of providing access to financial services to those who have been excluded from the traditional banking system. With financial inclusion, everyone can access banking services, such as savings, insurance, and credit. Let's work together to make financial inclusion a reality.",  
          "Bullet 4 Voiceover Script": "\n\nVoice-over Script: Technology has revolutionized banking operations, enabling automation of banking operations such as off-site banking, core banking solutions, mobile banking, and more."        }  
      }  
    ],  
  }  
}
```



```

    "subtopic_bullets": [
      "",
      "1. Automation of banking operations.",
      "2. Anywhere, anytime banking.",
      "3. Mobile banking.",
      "4. Plastic money usage."
    ],
    "subtopic_name": "Increased Use of Technology in Banking",
    "subtopic_voiceover_script": {
      "Bullet 1 Voiceover Script": "\nIncreased Use of Technology:\n\nVoice-over  
Script: Technology is revolutionizing banking, with automated operations, off-site banking,  
mobile banking, payment of utilities, travel reservations, core banking solutions, remittances,  
and even wallet banking.",
      "Bullet 2 Voiceover Script": "\nAutomation of banking operations has enabled  
off-site banking through ATMs, internet banking, payment of utilities, and travel reservations.  
Core Banking Solution has enabled anywhere, anytime banking. Mobile banking is also  
increasing in popularity.",
      "Bullet 3 Voiceover Script": "\n\nBanking has never been easier with anywhere,  
anytime banking. Enjoy the convenience of banking from the comfort of your own home or on  
the go with your mobile device.\n",
      "Bullet 4 Voiceover Script": "\n\nMobile banking is revolutionizing the way we  
manage our finances. With mobile banking, you can transfer funds, check your balance, pay  
bills, and more, all from your mobile device. Try it today and experience the convenience of  
mobile banking!\n",
      "Bullet 5 Voiceover Script": "\nPlastic money, such as credit cards, debit cards  
and pre-paid instruments, are becoming increasingly popular for making payments at the point  
of sale."
    }
  },
  "topic_name": "Explore the different banking services available and their benefits",
  "topic_summary": "\nBanking services provide access, financial needs, products, risk  
management, technology, inclusion, fee-based services, and growth.",
  "topic_summary_voiceover_script": "\nExplore the various banking services available  
and their benefits, such as savings, remittance, credit, insurance, and risk management  
products. Learn how these services can help you meet your financial needs."
}
]
}
}

```