

API SPECIFICATIONS

Please follow the below instructions if you are submitting through Model API. You will get the API endpoint and the Access Token for each of the models you can access. If you want to use the models in your application - then you have to send the POST request to that particular “api_endpoint” and in the headers - you will have to paste the “access token” - with the key name being “Authorization”.

POST: “api_endpoint (you’ll get it in Sandbox)”

Headers:

Authorization: Requires Access token

1. Here is the request and response payload for the models:

a. NMT (Neural Machine Translation):

- Request Payload:

```
{  
  
  "input_text": "Hello, how are you?"  
  
}
```

- Response Payload:

```
{  
  "status": "success",  
  "message": "Inference performed successfully",  
  "data": {  
    "output_text": "str"  
  },  
  "error": null,  
  "code": 200  
}
```

b. ASR (Audio Speech Recognition):

- Request Payload:

Form Data:

audio_file (in wav format)

- Response Payload:

```
{
  "status": "success",
  "message": "Inference performed successfully",
  "data": {
    "recognized_text": "str "
  },
  "error": null,
  "code": 200
}
```

c. TTS (Text to Speech):

- Request Payload:

```
{
  "text": "string",
  "gender": "string" (male / female)
}
```

- Response Payload:

```
{
  "status": "success",
  "message": "Inference performed successfully",
  "data": {
    "s3_url":
      "https://tts-asset.s3.ap-south-1.amazonaws.com/tts_output/1729151441_670bc78ced8a6aea0b504df2.wav"
  },
  "error": null,
  "code": 200
}
```

d. OCR (Optical Character Recognition):

- Request Payload:

Form-data:

file (in jpg/png/jpeg format)

- Response Payload:

```
{  
  "status": "success",  
  "message": "OCR Inference performed successfully",  
  "data": {  
    "decoded_text": "string"  
  },  
  "error": null,  
  "code": 200  
}
```