

**KJSSC ChatBOT for
Admission process & courses
Related inquiry and Svv-id &
Email-id related query**

1906828

T.Y. B.Sc. IT (Semester V)



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CERTIFICATE

This is to certify that the project documentation entitled, **"KJSSC Chat KJBOT for Admission & courses related inquiry and Svv-id & Email -id related query"**, of **Varsha Jaiswal** bearing Seat.No: 1906828 is submitted as the practical work in subject of Software Project Management of T.Y. B.Sc. IT Semester V for the academic year 2019-2020.

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Chapter 1 :-Introduction

1.1 Background:-

The project is about solving the problem regarding the admission process.

While taking admission in any stream or college the process of admission is the main problem that occurs in academics admissions. students and parents KJBOT have various doubts about the process they come to college for inquiry purposes but for a number of students and their parents college staff is not sufficient.

So here is my project the kjssc chatKJBOT which will help people to give inquiry about the admission process and courses(for senior college) related doubts also be solved online through the chatKJBOT so which will be useful and we can save time ,money and energy.

Same for the Svv-id and Email-id related query it will help the new students to activate their svv-id and somaiya email-id.because for new students what is svv-id it is just unknown for the students and the students ask their doubts to the it department faculty which is pathetic same things they have to tell so many times so the bot will also help the faculties.

1.2 Objectives :-

- The KJBOT will be present in the somaiya website and after clicking the Ask me button redirect to the page with...
- 1) Name 2)Email-id 3)Svv-id & Email-id related query
- 4)Admission & courses related inquiry
- User have to fill the Name,Email-id and also have to select the query
- Then according to the query chosen of user the KJBOT will answer the question

1.3 Purpose :-

Scope:-

- This project is focusing about
- Admission & courses related inquiry
- Svv-id & Email-id related query

Applicability:-

- It is on somaiya website(local page) so it will need internet connection.
- It is applicable who have query in admission process & courses
- Also to Svv-id & Email-id related query in kjssc

1.4 Achievement:-

1)Now a days most of the people like to chat so the KJBOT will chat which is an interactive way and from this the college learn about the what type of problem are faced in academic admission then the college will take care of that if KJBOT is not able to handle the question then the college will help the user.

2)It will help students ,parents and faculties.

3)I will have a good knowledge of technologies used in making KJBOTs.

1.5 Organization and Report :-

While taking admission in any stream or institute the admission process ,for taking admission in particular stream what documents are required these problem are commonly aries and then parents and students decide to go to the particular college and take an inquiry but this is not possible for staff to solve these many doubts from all the students and parents and if inquiry is given by the staff still many of them have

doubt. So this project will help the enquiring of everything by sitting at home on the kjssc somaiya website the KJBOT is present which will answer all the questions or doubts of parents and students.

Same for the Svv-id & Email-id related query option it will help the new students and also provide relief to the faculties. Because for new students what is svv-id it is just unknown for the students and the students ask their doubts to the it department faculty which is pathetic same things they have to tell so many times so the bot will also help the faculties.

Working of KJBOT:-

KJBOT will open after clicking the ask me button on kjssc website the page will open and the page contains two questions 1) Admission process & courses related inquiry? 2) SVV-id and email –id related query? With name and Email id filed

The user needs to first fill the name and email-id the If a user chooses an admission process & courses related inquiry? Then the chat page opens, with textfield User and textfield KJBOT and send button when the user enters the query in the input text field, then the system takes the input from the user and then provides a particular output to the KJBOT textfield. if any question is not handled by the KJBOT then the user needs to go to the college for inquiry.

The user needs to first fill the name and email-id the If a user chooses an Svv-id & Email-id related query? Then the chat page opens, with textfield User and textfield KJBOT and send button when the user enters the query in the input text field, then the system takes the input from the user and then provides a particular output to the KJBOT textfield. if any question is not handled by the KJBOT then the user needs to go to the college for inquiry.

Technologies are used:-

- 1) NLP (natural language processing)
- 2) Machine learning
- 3) Data analysis

4)Python programming language

5)Flask

Chapter 2 : Survey of Technologies

In the market there are so many BOTs available like slack KJBOT,udacity KJBOT,telegram KJBOT and they are useful in giving answers to the question just like a human being and this technology(KJBOT) is a very interactive way to communicate.

Udacity BOT is like if the user is searching for an particular online course then chat with the BOT it will give you information and online courses links for enrolling and the BOT is very userfriendly the user can send emojis .gif to the KJBOT .so just the way this is working and resolving the problem of an in terms of courses .the kjssc KJBOT will solve the problems regarding Admission process & courses inquiry and svv-id & Email-id related query.

Usually if students wants admission in the particular college they will come their and inquiry about the course but this is very pathetic to travel and come collage for small doubts regarding admission process.so kjssc KJBOT which will present on somaiya website through a kjssc website and solves any kinds of doubt by sitting at home the user can know about the everything.

If this is going to be used in the education field which will help the parents ,students,teachers and save time, money ,energy.

Chapter 3 :-Requirements and Analysis

3.1 Problem definition:-

While taking admission in any stream or institute the admission process & courses ,for taking admission in particular stream what documents are required these problem are commonly arrives.and then parents or students decide to go to the particular college and take an inquiry but this is not possible for staff to solve these many doubts from all the students and parents and if inquiry is given by the staff still many of them have doubt.

So this project will help the enquiring of everything by sitting at home on the kjssc somaiya website the KJBOT is present which will answer all the questions or doubts of parents and students.Also solves the SvV-id & Email-id related query for somaiya students of the new students .

3.2 Requirement Specification:-

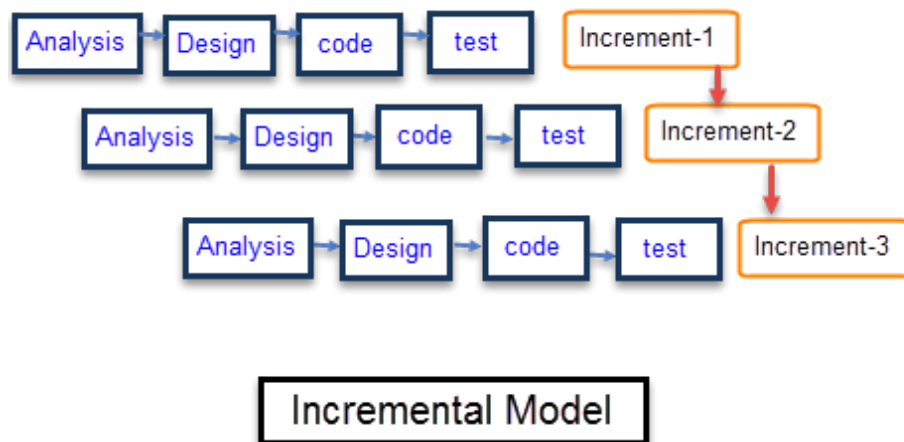
- The KJBOT is present on kjssc website (Ask me button)
- KJBOT will open after clicking the ask me button on kjssc website the page will open and the page contains two questions
1)Admission process & courses related inquiry? 2)SVV-id and email –id related query? With name and Email id filed
- User needs to select the option then the chat page will be opened and it contains a text field at the button which will take inputs from the user and the KJBOT gives output on the page in both the cases
- If any issue or problem and it is related to the admission process & courses inquiry and SvV-id & Email-id related query is not able to be handled by KJBOT then the user needs to contact the college.
- For doing this data set is required in the form of question and answer of the admission process & courses inquiry
- Also for SvV-id & Email-id related query data set is required in the form of question and answer.
- On the chat page there is send button side to textfield.

- Admin section contains data set information about the number of user had used the KJBOT.

3.3 Project SDLC model:-

For my project i am going to use an incremental model where the model is designed, implemented and tested incrementally (a little more is added each time) until the product is finished. It involves KJBOT development and maintenance. the product is defined as finished when it satisfies all of its requirements.

lifecycle of incremental model:-



As the above life cycle my project is going to follow the same cycle of development.

Where i am going to develop the design then code for the design after that testing the design. here my mentors/stakeholders are going to give a review about one small part of my project. like that everything is going to be coded , tested at the same time for one small module.then if any modification requires then and then i can change the things .

Why do I choose incremental model ? Because of it's module function I am going to develop the small module my mentor is going to give the review then an only then i can implement the changes.

Because after developing the whole application then taking reviews then changing any requirements becomes difficult for the developer(me)

3.4 Planning and Scheduling:-

A: Selection of project

B: Requirements

C: Finalizing the project

D: SRS(system requirement specification)

E: Use case diagram

F: Designing ui

G: Learning new technology for the project/Software

H: Creating ui

I: Creating database

J: Designing major backend modules

K: Connectivity

L: Test cases/Debugging

M: Deployment

TASKS	WEEKS														
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
A															
B															
C															
D															
E															
F															
G															
H															

I															
J															
K															
L															
M															
N															

3.5 Software and Hardware Requirements:-

3.5.1 Software requirements:-

- Jupyter notebook for backend development
- Visual studio code for frontend development
- Data handling software sqlite3
- Access to internet.

3.5.2 Hardware requirements:-

- A system that can handle the requirement of installing software to implement the project.
- Ram,Mouse,Keyboard,Processor,Disk Capacity.

3.6 Preliminary Product description:-

Project is about the solving problem of admission process & courses inquiry and svv ,email related query just like a human but here the machine will give answers to the particular questions.

KJBOT will open after clicking the ask me button on kjssc website the page will open and the page contains two questions 1)Admission process & courses related inquiry? 2)SVV-id and email –id related query? With name and Email id filed

The user needs to first fill the name and email-id the If a user chooses an admission process & courses related inquiry? Then the chat page opens, with textfield User and textfield KJBOT and send button when the user enters the query in the input text field, then the system takes the input from the user and then provides a particular output to the KJBOT textfield. if any question is not handled by the KJBOT then the user needs to go to the college for inquiry.

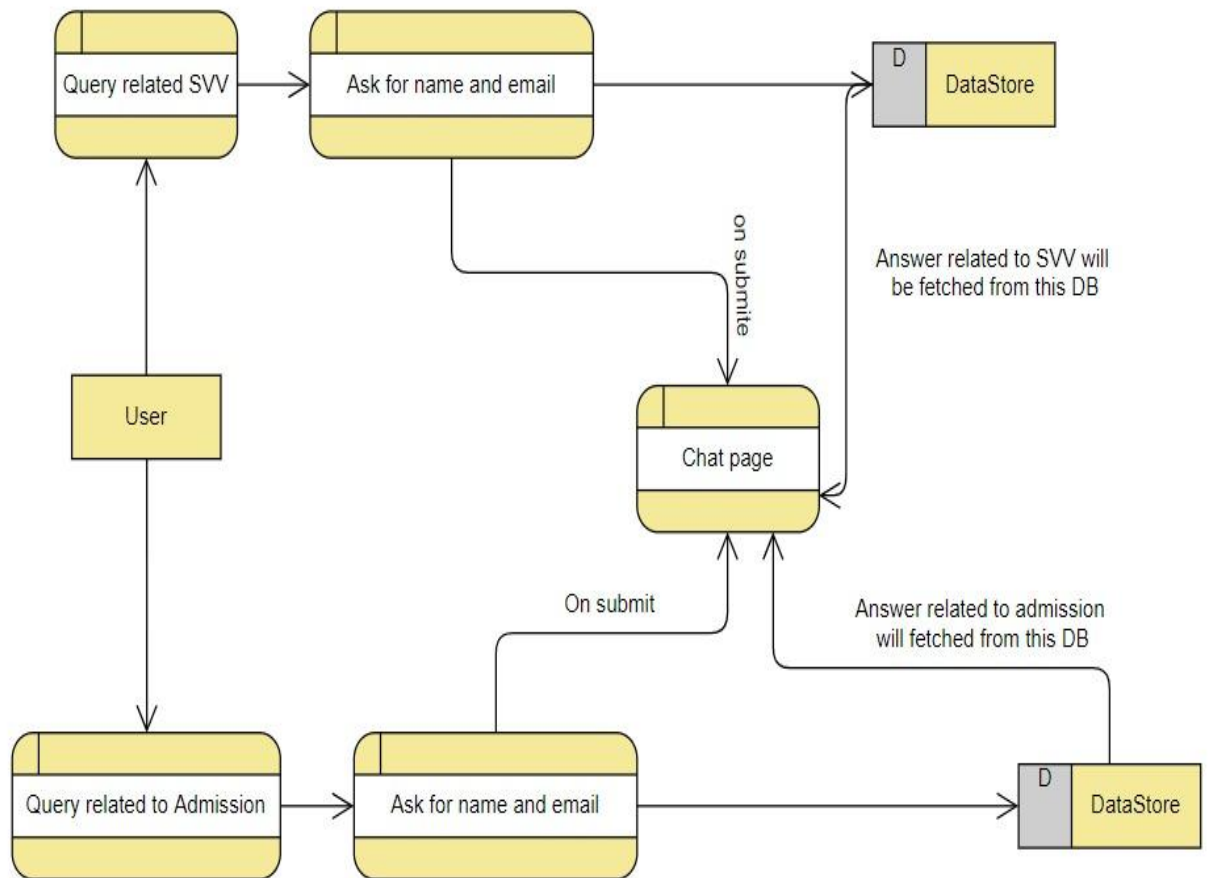
The user needs to first fill the name and email-id the If a user chooses an Svv-id & Email-id related query? Then the chat page opens, with textfield User and textfield KJBOT and send button when the user enters the query in the input text field, then the system takes the input from the user and then provides a particular output to the KJBOT textfield. if any question is not handled by the KJBOT then the user needs to go to the college for inquiry. The name and email id and the option chosen by the user will save into the database so we can analysis the most query is about which admission and courses inquiry or Svv and email-id query

3.7 Conceptual models:-

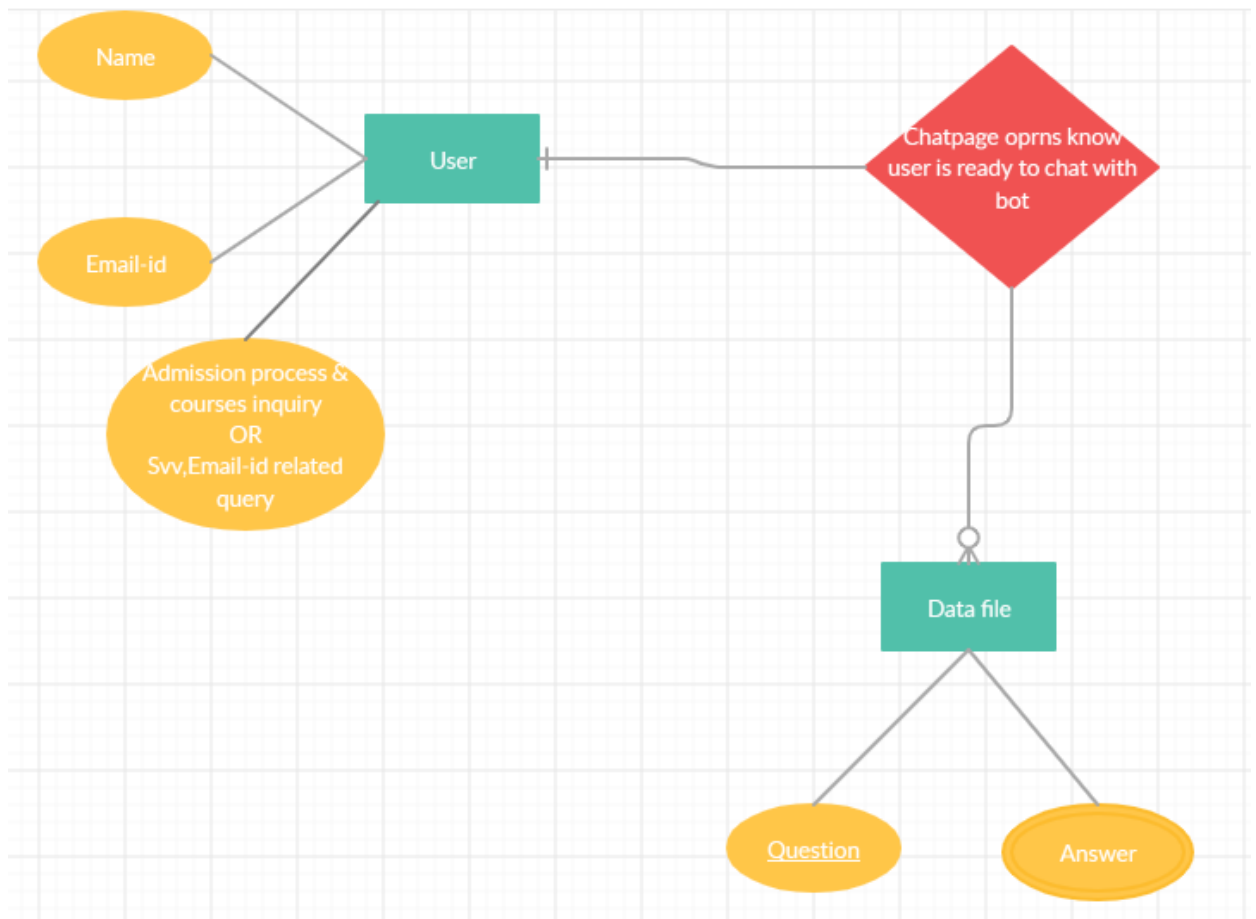
3.7.1 Use case diagram:-



3.7.2 Data flow diagram:-



3.7.3 E-R diagram:-



Chapter 4 : System Design

4.1 Significant module in project:-

Click on button:-after going to the website click on the Askme button

Information page:-after clicking on Askme button the button forward to information page where the database take the name email-id and selecting option

Selecting options:-user have two options then the user needs to select one option. If the user selects an admission process & courses related inquiry then the button will forward to admission chatpage and waits for the user's question.if the user selects Svv-id & Email-id related query it will forward to svv chatpage and waits for the question from the user.

4.2 Data Design:-

After clicking on the Ask me button the next page takes the information from the user like name,email and and the option selected by the user then the .

Name ,Email-id it just gets for the data purpose like how many people have used the website, what is the most selected option and here Email-id is not compulsory only the name and selected option for forwarding to the next page according to the selected option.

According to the selected option the chat page is going to forwarded and particular file is going to execute.like if like if user select the option Svv-id and Email-id related issue then it will go to the backend and run the file SVV where all the data for chat page is present from where the chat page is going to fetch the data.Same for admission process and course related inquiry it will also run the file and chat page is ready to answer

4.3 Procedural Design:-

Algorithm Design:-

Step 1. Start

Step 2. Click ask me button

Step 3.Fill name, email-id and selected the option

Step 4. If select option == SvV-id ,Email-id related query

Then it will go to the backend and run the svv file and forward to the KJBOT. After getting the Chat Page type the question and click on the send button and it will go to the data file and gives you the answer

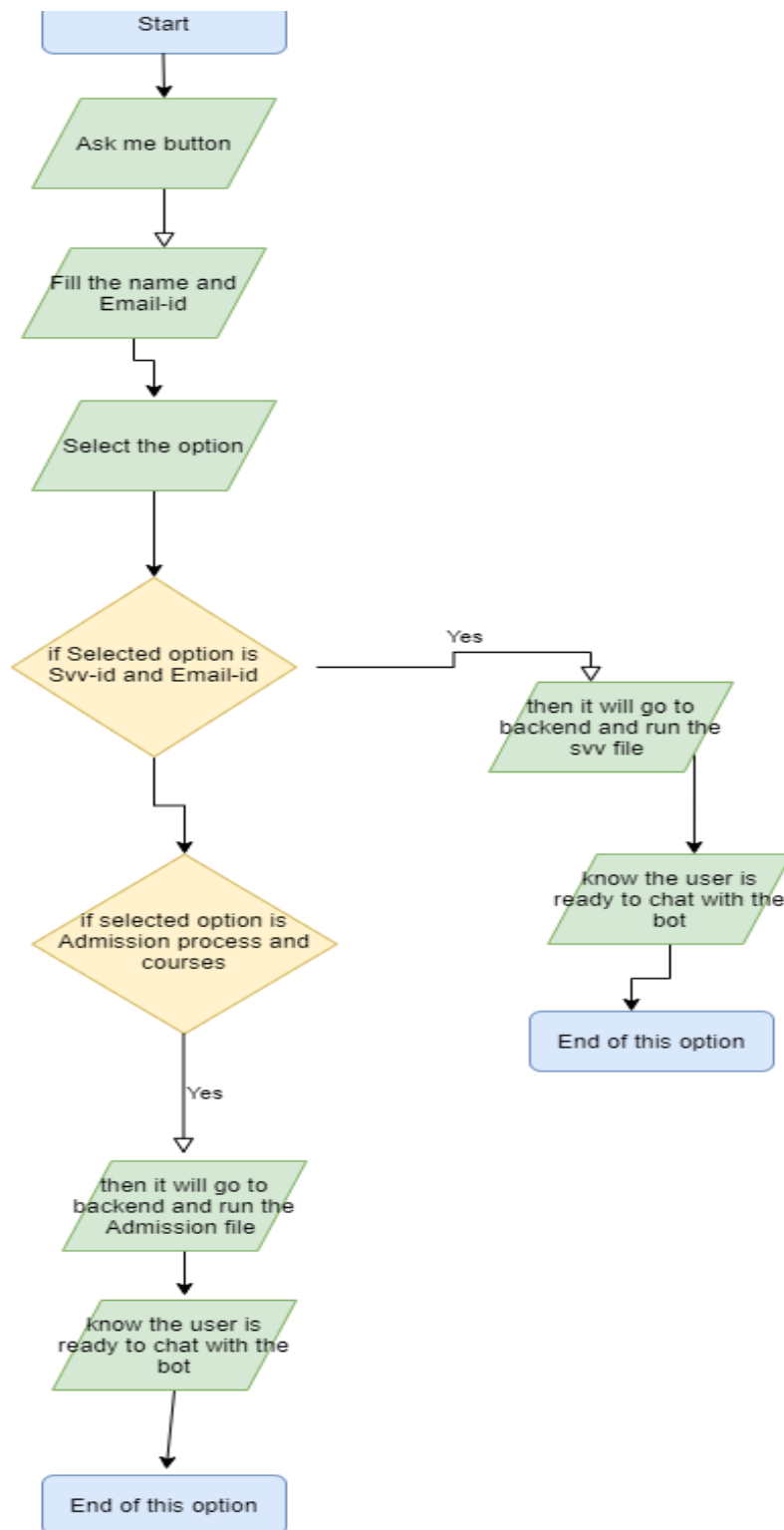
Step 5. If selected option==Admission process & courses inquiry

Then it will go to the backend and run the admission file and forward to the KJBOT. After getting the Chat Page type the question and click on the send button and it will go to the data file and give you the answer.

Step 6. User can go reverse or after getting an answer user can simply close the tab.


Step 7. End

Flowchart:-



4.3 User interface Design screenshots:-


This is the first page for user interaction



Somaia University

K J Somaia College Of Science And Commerce

Word From Principal



At the outset I extend a warm welcome to you. Value education is the foundation of modern education and is a unique feature of Somaia Vidyavihar institutions. K. J. Somaia College of Science and Commerce is one of the institutions of Somaia Vidyavihar.

[READ MORE](#)

Ask me

After clicking on ask me button it will forward to the second page ..

Name

Email-id

RESET

Please select your option

SVV-ID AND EMAIL-ID RELATED QUERY

ADMISSION PROCESS AND COURSES RELATED QUERY

After clicking on Svv-id & Email-id related query

User: what is svv net id

KJBOT: it is somaiya vidyavihar net id provided to the somaiya students .the facilities like railway concession , fees information basically total information of a student is their on the svv net id .when the student take admission in the somaiya college at the register contact number they will get the text message with the svv id and a password

KJSSC Chatbot

Send

OR

After clicking on admission process and course related query

User: reasons to join kj somaiya science and commerce college?

KJBOT: 1. Brand Name : Somaiya is a brand name in the higher education. 2. Autonomous Status : The College was conferred Autonomous Status by UGC and University of Mumbai. College is known for its academic flexibilities. There are innumerable combinations which you can choose from elective courses, immersion experience, Honours programme. 3. Accreditation : K.J. Somaiya College of Science and Commerce has got accredited by National Assessment & Accreditation Council (NAAC) with "A' Grade in 2004 and re-accredited with "A' Grade (CGPA 3.21) in 2010 and again with "A' Grade (CGPA 3.24) in 2016. 4. Awards and Grants : The College has been adjudged as the Best College of University of Mumbai in the Urban Category. Recipient of FIST grant from DST, STAR college grant from DBT. 5. Transparent Admission process : Admissions only on merit. We do not take any donation or capitation fee. 6. Most sought after college : 25 students compete for each seat at K. J. Somaiya College of Science and Commerce. 7. Strong Alumni : Over last 50 years Somaiya Vidyavihar produced thousands of successful graduates contributing to various development taking place all over the world. 8. Scholarships : Merit-cum-need-based scholarship for the students 9. Staff : Students friendly, experienced, dedicated staff. 10. Synergy : Synergy of 35 institutions from various discipline.11. Innovation incubator : End to end guidance to foster innovative ideas in to company. 12. Vibrant campus life : Many festivals, workshops like Kabir Festival, Dance Festival, Vigyan Yagna, Asmita, Vibes, Tarang etc. 13. Conducive Environment : Conducive environment for teaching and learning. 14. Secure Campus : Round the clock security and guarded environment.

KJSSC Chatbot

Send

Database entry:

<input type="checkbox"/> id	username	email	svv
<input type="checkbox"/> <Null>	pankaj.jaisw...	sumanjaisw...	SVV id related query
<input type="checkbox"/> <Null>	pankaj.jaisw...	sumanjaisw...	Admission related query
<input type="checkbox"/> <Null>	pankaj.jaisw...	sumanjaisw...	SVV id related query
<input type="checkbox"/> <Null>	pankaj.jaisw...	sumanjaisw...	Admission related query
<input type="checkbox"/> <Null>	crazy_fairy_	varshajaisw...	SVV-id and Email-id related query
<input type="checkbox"/> <Null>	pankaj.jaisw...	sumanjaisw...	SVV-id and Email-id related query
<input type="checkbox"/> <Null>	pankaj.jaisw...	sumanjaisw...	Admission process and courses related query
<input type="checkbox"/> <Null>	varshajaiswal	exa51351@t...	SVV-id and Email-id related query
<input type="checkbox"/> <Null>	pankaj.jaisw...	sumanjaisw...	SVV-id and Email-id related query
<input type="checkbox"/> <Null>	pankaj.jaisw...	sumanjaisw...	Admission process and courses related query
<input type="checkbox"/> <Null>	pankaj.jaisw...	sumanjaisw...	SVV-id and Email-id related query
<input type="checkbox"/> <Null>	suman	sumanjaisw...	SVV-id and Email-id related query
<input type="checkbox"/> <Null>	jyoti	sumanjaisw...	Admission process and courses related query
<input type="checkbox"/> <Null>	yuvraj	sumanjaisw...	SVV-id and Email-id related query

Hex

4.4 Security issues:-

In terms of any threat it is a KJBOT which is just taking name and email .

It does not verify the email.

4.5 Testing process:-

In terms of code the testing of code can be done by manually or automatically. here it will test for the application is working properly or not if any bugs are there then the developer can debug that .

now the stakeholders they check the user interface and the working whether it is user friendly or not, what will make trouble to the user while using it?

all the reviews given then the developer takes the suggestion into the consideration and works upon it.

Basically development is based upon

“measure ,build and learn”

4.6 Data dictionary:-

1st database is which will stores user name and email-id and selected option

Table name:-Info database

Column name	Data type	Size	Constraints	Range
Id	Integer	10	Primary key	10
name	String	20	-	20
email-id	Varchar	30	-	30
Selected option	String	20	-	20

Second file:- is about admission process and courses inquiry which will contain the answer for the question asked by the user.

Table name:-admission process and courses inquiry

Column	Data type
Question	String
Answer	String

Third file:- is about Svv-id & Email-id related query which will contain the answer for the question asked by the user.

Table name:-admission process and courses inquiry

Column	Data type
Question	String
Answer	String

Chapter 5 : -Implementation and Testing

5.1 Implementation Approaches:-

There are 3 phases in implementation of the project.....

Part 1: Setting up the environment

Part 2:Setting up the backend

Part 3:Setting up the frontend

Part 4:Connecting the frontend backend and database

Part 1: Setting up the environment:-

In this basically the software requires to complete the project to install them and launch them.

Software are :-

- 1.Jupyter notebook/Python idle
- 2.Visual studio code
- 3.Sqlite Viewer

Part 2:Setting up the backend :-

In this for backend going to use the jupyter notebook module from anaconda software first i am going to launch that then going to install the modules required like NLTK ,Pandas,Numpy,Keras,Sklearn these are the main modules which is used to mai a bot .

NLTK:-The Natural Language Toolkit is a platform used for building Python programs that work with human language data for applying in statistical natural language processing (NLP). It contains text processing libraries for tokenization, parsing, classification, stemming, tagging and semantic reasoning.

Pandas:-In computer programming,Pandas is a software library written for the Python programming language for data manipulation and analysis. In particular, it offers data structures and operations for manipulating numerical tables and time series

NumPy:- is a library for the Python programming language, adding support for large, multi-dimensional arrays and matrices, along with a large collection of high-level mathematical functions to operate on these arrays. Moreover Numpy forms the foundation of the Machine Learning stack

Keras:- is an open-source neural-network library written in Python. It is capable of running on top of TensorFlow, Microsoft Cognitive Toolkit, R, Theano, or PlaidML. Designed to enable fast experimentation with deep neural networks, it focuses on being user-friendly, modular, and extensible.

Sklearn:-is a library in Python that provides many unsupervised and supervised learning algorithms. It's built upon some of the technology you already are familiar with, like NumPy, pandas.

This module has been used for creating a bot in jupyter notebook.

Part 3:-Setting up the frontend

For frontend i have used Flask (this is framework for web development in python)basic flask module has been used like..

1.render_template

2.request

3.SQLAlchemy(For database)

The software used for the frontend is visual studio code.

\

Part 4:-Connecting Frontend,Backend and Database

For connecting the backend which is the Py files to the flask by importing the file after this for connecting the database i have used SQLAlchemy to the flask file .For viewing the data Sqlite viewer software is used.

5.2 Coding Details and Code Efficiency

1.Firstly the user click the link then he gets the ,stating page which have ask me button on it code for this button is..

```

    </div>
  </div>
  <div class="modal-footer">
    <a href="#" class="modal-close waves-effect waves-green btn-flat">close</a>
  </div>
</div>
</main>

<form action="http://localhost:5000/forward" > <!-- or method="post" -->
  <a class="btn-floating btn-large waves-effect waves-light pulse red">
    <button type="submit">
      Ask me
    </button>
  </a>
</form>

<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>
<script>
  document.addEventListener('DOMContentLoaded', function() {
    var elems = document.querySelectorAll('.modal');
    var options= null;
    var instances = M.Modal.init(elems, options);
  });
</script>

```

This is the entry page.

2.After clicking on the ask me button it is going to forward to the second page

```

<div class="input-field col s12">
  <input id="username" name="username" type="text" class="validate " required autofocus>
  <label for="username">Name</label>
</div>

<div class="input-field col s12">
  <input id="email" name="email" type="email" class="validate " required>
  <label for="email">Email-id</label>
</div>

<input style="margin-bottom: 15px;".type="reset" class="btn">
<div style="margin-bottom: 15px;">
  <label><b>Please select your option</b></label>
</div>

<input type="submit" class="btn" id="svv" name="svv" value="SVV-id and Email-id related query">
<br><br>

<input type="submit" class="btn" id="svv" name="svv" value="Admission process and courses related quer
</div>
</div>
</div>

```

3.If the user selects the Svv-id & email-id related query then from the backend the SvvChatbot file is going to run.

```

def svv_answer(que1):
    userinput= que1
    X_1 = [userinput]
    text_to_hash2 =[]
    from sklearn.feature_extraction import FeatureHasher
    h1 = FeatureHasher(n_features=20,input_type="string")
    f1 = h1.transform(X_1)
    text_to_hash2.append(f1.toarray())
    X_label = []
    for i in text_to_hash2:
        for j in i:
            X_label.append(j)
    y_predict = classifier.predict(X_label)

#print(y_predict)
    from sklearn.metrics import accuracy_score
    accuracy_score(b1,y_pred)
    print(y_predict)

```

And from frontend

```

@app.route("/svv", methods=['GET', 'POST'])
def svvAnswer():
    while True:
        user_input = request.form["user_input"]
        # print(result["user_input"])
        bot_response = SVVchatbot.svv_answer(user_input)[0]
        bot_response = str(bot_response)
        print("KJBOT: "+bot_response)
        #return bot_response
        return render_template("mainChatPage.html",user_input=user_input,bot_response=bot_response)

```

The both code are connect as we know after selecting the svv one option these are the main code that is going to execute.

4.If the user selects the Admission process & course inquiry then from the backend the AdmissionChatbot file is going to run.

```
# In[67]:
def admission_answer(ques2):
    userinput2=ques2
    X_1 = [userinput2]
    text_to_hash2 =[]
    from sklearn.feature_extraction import FeatureHasher
    h1 = FeatureHasher(n_features=30,input_type="string")
    f1 = h1.transform(X_1)
    text_to_hash2.append(f1.toarray())
    X_label = []
    for i in text_to_hash2:
        for j in i:
            X_label.append(j)
    y_predict = classifier.predict(X_label)

    print(y_predict)
    from sklearn.metrics import accuracy_score
    accuracy_score(b1,y_pred)
    #y_predict
    filename="Admission_model.sav"
    import joblib
    joblib.dump(classifier,filename)
    loaded_model=joblib.load(filename)
    #result=loaded_model.score(X,b1)
    result1=loaded_model.predict(X_label)
    return result1
```

And from frontend

```
@app.route("/admi", methods=['GET', 'POST'])
def admiAnswer():
    while True:
        user_input2 = request.form["user_input2"]
        # print(result["user_input"])
        bot_response2 = AdmissionChatbot.admission_answer(user_input2)[0]
        bot_response2 = str(bot_response2)
        print("KJBOT: "+bot_response2)
        #return bot_response
        return render_template("mainChatPage2.html",user_input2=user_input2,bot_response2=bot_resp
```

5.Code for the mainchatpage

```
<body>
<div class="container">
    <div class="alert alert-primary" role="alert">
        User: {{user_input}}
    </div>
    <div class="alert alert-dark" role="alert">
        KJBOT: {{bot_response}}
    </div>

    <form action="/svv" method="POST">
        <div class="form-group">
            <label for="exampleInputEmail1">KJSSC Chatbot</label>
            <input type="text" name="user_input" class="form-control" id="exampleInputEmail1" aria-describedby="ema
            <button type="submit" class="btn btn-primary">Send</button>
        </div>
    </form>
</div>
</body>
```

6.Code for the database

```
app=Flask(__name__)

app.config["SQLALCHEMY_TRACK_MODIFICATIONS"]=False
app.config["SQLALCHEMY_DATABASE_URI"]='sqlite:///mydatabase.db'

db=SQLAlchemy(app)

class User(db.Model):
    __tablename__ = "analysis"
    id=db.Column(db.Integer,primary_key=True)
    username=db.Column(db.String(20))
    email=db.Column(db.String(20))
    svv=db.Column(db.String (20))

    def __init__(self,username,email,svv):
        self.username=username
        self.email=email
        self.svv=svv
```

5.3 Testing Approach:-

5.3.1 Unit Testing:-

1.Ask me button:-After clicking on this button it is going to forward to the next page

2.Information page:-Here the user have to fill name email-id and select the option.

If the user selects Sv-ID & Email-ID related query then it will be forwarded to mainChatpage OR if user selects the Admission process and courses inquiry it will forward to the mainChatpage1 .

3.mainChatpage:-It contains three text fields first is user second is KJBOT and the third text field where the user is going to write the question after clicking on send button the question goes to user text field and the answer comes from the database into the KJBOT textfield

4.mainChatpage1:-It contains three text fields first is user second is KJBOT and the third text field where the user is going to write the question after clicking on send button the question goes to user text field and the answer comes from the database into the KJBOT textfield

5.3.2 Integrated testing:-

1.An exception occurs where on the chat page the answer which is given by the bot it appears in this ['answer'] form

2.After selecting the option and using the particular bot if user reverse back then click on the another option then the chat page does not appears.


5.4 Modification and Improvements:-

Error	Modification
The answer given by the bot it is in the brackets	Corrected the chat page API by giving the array index value
After reversing from the particular option chat page doesn't show	Their us database error where i have set the email-id as unique attribute so when the user reverse back and select the another option by the same email-id then it shows error.

Chapter 6:Result and Conclusion

User Documentation:-


Landing page:-



Somaiya University

K J Somaiya College Of Science And Commerce

Word From Principal



At the outset I extend a warm welcome to you. Value education is the foundation of modern education and is a unique feature of Somaiya Vidyavihar institutions. K. J. Somaiya College of Science and Commerce is one of the institutions of Somaiya Vidyavihar.

[READ MORE](#)

Ask me

After clicking on the link the page shows like

- Then clicking on Ask me button the user will forward to the next page.

Information page:-

Name

Email-id

RESET

Please select your option

SVV-ID AND EMAIL-ID RELATED QUERY

ADMISSION PROCESS AND COURSES RELATED QUERY

- Fill the name and Email-id and select the option the redirect to the next page

mainChatpage

User: what is svv net id

KJBOT: it is somaiya vidyavihar net id provided to the somaiya students .the facilities like railway concession , fees information basically total information of a student is their on the svv net id .when the student take admission in the somaiya college at the register contact number they will get the text message with the svv id and a password

KJSSC Chatbot

Enter the query

Send

- If the user select the Svv-id & Email-id query option then here the user is ready to chat with the bot.

mainChatpage1

User: resons to join kj somaiya science and commerce college?

KJBOT: 1. Brand Name : Somaiya is a brand name in the higher education. 2. Autonomous Status : The College was conferred Autonomous Status by UGC and University of Mumbai. College is known for its academic flexibilities. There are innumerable combinations which you can choose from elective courses, immersion experience, Honours programme. 3. Accreditation : K.J. Somaiya College of Science and Commerce has got accredited by National Assessment & Accreditation Council (NAAC) with "A' Grade in 2004 and re-accredited with "A' Grade (CGPA 3.21) in 2010 and again with "A' Grade (CGPA 3.24) in 2016. 4. Awards and Grants : The College has been adjudged as the Best College of University of Mumbai in the Urban Category. Recipient of FIST grant from DST, STAR college grant from DBT. 5. Transparent Admission process : Admissions only on merit. We do not take any donation or capitation fee. 6. Most sought after college : 25 students compete for each seat at K. J. Somaiya College of Science and Commerce. 7. Strong Alumni : Over last 50 years Somaiya Vidyavihar produced thousands of successful graduates contributing to various development taking place all over the world. 8. Scholarships : Merit-cum-need-based scholarship for the students 9. Staff : Students friendly, experienced, dedicated staff. 10. Synergy : Synergy of 35 institutions from various discipline.11. Innovation incubator : End to end guidance to foster innovative ideas in to company. 12. Vibrant campus life : Many festivals, workshops like Kabir Festival, Dance Festival, Vigyan Yagna, Asmita, Vibes, Tarang etc. 13. Conducive Environment : Conducive environment for teaching and learning. 14. Secure Campus : Round the clock security and guarded environment.

KJSSC Chatbot

Enter the query

Send

- If the user select the Admission process & courses related inquiry then here the user is ready to chat with the bot.

Chapter 7:Conclusion

7.1 Conclusion:-

The project is about solving the problem regarding the admission process and course related inquiry. While taking admission in any stream or college the process of admission is the main problem that occurs in academics admissions. For students and parents KJBOT have various doubts about the process they come to college for inquiry purposes but for a number of students and their parents college staff is not sufficient. So here is my project the kjssc KJBOT which will help people to give inquiry about the admission process and courses(for senior college) related doubts also be solved online through the KJBOT so which will be useful and we can save time ,money and energy.

Same for the Svv-id & Email-id related query any question about this the KJBOT will answer .Basically what happens when the new students get the admission in the somaiya college they will get the Svv-id and mail-is but they don't know how to use that so this bot will answer the question about everything about Svv id and mail-id which will help the it department because of this queries their are so many students ask the same doubts and to tall each and everyone it is pathetic for a faculty so the chatbot is the need.

For creating this bot the technology used is machine learning which basically means to make machine learn with the data.and so i have created my limited data for the bot and it is know able to answer the questions asked by the user.for backend jupyter software is used , for the frontend the flask and for the database Sqlite.after connecting the frontend and backend the project is ready.Now the user can use that and ask question as many question they want to ask.

7.2 Limitations of the System:-

While creating the project I have mentioned some limits to it.
It is more or less important for the better user experience.

Anyone can use without any credentials:-

Here the email-id is not necessary for the particular by entering name and selecting the option the person is able to use the bot. As We know the Svv-id and Email-id related query is for the somaiya students but anyone can use that bot.

Spelling mistake :-

While chatting with bot spelling mistakes are not allowed the spelling should match with the fetching data files.

Limited data:-

As this data i have created on my own with the help of college prospectus so the data is limited if the user enters the question which is not in the fetching data file then the bot will answer any random answer.

7.3 Future enhancement:-

1.Future enhancement for my project will be like here i am making my chatBOT for only KJSSC admission process & courses inquiry and svv and email id related issue.it will be enhanced and use by other college and after getting the lot of data the chat KJBOT will give the most efficient answer .

2.Spelling mistakes are not handled by the bot. It gives random answers so for future this feature can be added after getting spelling mistakes. It will take care of that and provide the correct answer.

3.If any important notice is there so the chatKJBOT can display as headline on the page

4.can minimize the user interface structure means at this time the bot is taking 100% of the page so can make to 30-40% of the page

5.Email verification system..

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Udemy course:-

NLP - Natural Language Processing with Python

