

SiBot: Smart Innovative Bots

Quick Answers, Smart Solutions

A NUST Spin-Off

By Dr. Sohail Iqbal (NUST-SEECs)

Agenda

- Business Need
- Business Proposal
- Delivery Strategy
- Feasibility Study
- Financial Projections
- Team Strength
- Marketing Strategies

Business Need



- **Enhanced Customer Support Efficiency:** SiBot's AI-powered chatbots can handle a high volume of customers quickly, thus significantly reducing wait times and improving overall customer satisfaction
- **Cost Reduction:** By automating routine customer service tasks, SiBot helps businesses reduce operational costs
- **Scalability and Consistency:** SiBot ensures consistent quality in responses

Business Model

- **Subscription-Based Pricing:** SiBot offers tiered subscription plans based on the number of interactions, features, and support levels
- **Customization and Integration Services:** In addition to the standard chatbot solutions, SiBot provides custom development and integration services
- **Analytics and Insights Add-Ons:** SiBot offers advanced analytics and insights as an additional service

Delivery Strategy



- **Seamless Integration:** Develop and provide easy-to-use APIs and SDKs to ensure that SiBot can be effortlessly integrated into existing websites, mobile apps etc.
- **Tailored Onboarding and Support:** Offer comprehensive onboarding programs that include personalized setup assistance, training sessions, and detailed documentation
- **Customizable and Scalable Solutions:** Design SiBot to be highly customizable, allowing businesses to tailor the chatbot's responses, personality, and functionalities to match their specific needs

Feasibility Study

- **Technical Feasibility:** Assessed the technological requirements and capabilities necessary to develop and maintain chatbot platform, having home grown skilled developer at NUST SEECs.
- **Market Feasibility:** Market is looking after such chatbot ranging from educational institutes to Telcos
- **Financial Feasibility:** Startup cost, ongoing operational expenses are already catered

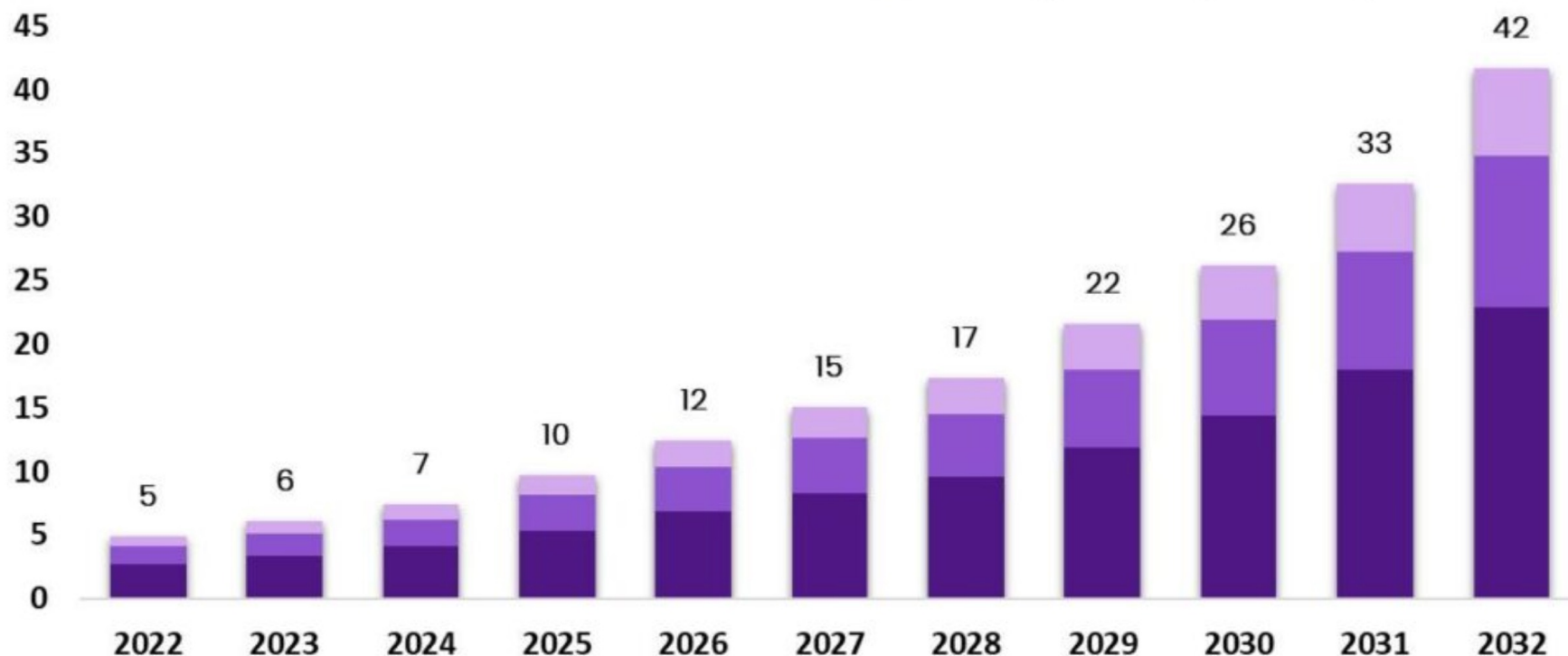
Financial Projections

- **Revenue Growth:** Projected annual revenue growth of 20-30% over the next five years, driven by the increasing adoption of AI-driven customer support solutions
- **Cost Management:** Anticipated reduction in operational costs by 15-20% annually through the implementation of scalable AI technologies
- **Market Penetration:** Targeting a 10% market share within the first three years of operation, with strategic partnerships

Global ChatBot Market

Size, by Type, 2022-2032 (USD Billion)

- Standalone
- Web-based
- Messenger-based/Third Party



The Market will Grow
At the CAGR of:

23.9%

The forecasted market
size for 2032 in USD:

\$42B

market.us
ONE STOP SHOP FOR THE REPORTS

Team Strength

Already a team of 4 people is working on this:

1. Dr. Sohail Iqbal (PI & CEO)
2. Dr. Qurat ul Ain (Team lead & Scientist)
3. Mr. Khizer Tariq (CTO and Developer)
4. Mr. Ali Safdar (CPO and Developer)

Marketing Strategies

- **Content Marketing** : Develop a comprehensive content marketing plan that includes blog posts, whitepapers, case studies, and webinars focused on the benefits of AI and chatbots in various industries.
- **Social Media and Influencer Partnerships:** Leverage social media platforms to engage with potential customers through informative and engaging posts, videos, and live demonstrations
- **Targeted Advertising:** Implement targeted online advertising campaigns on platforms like Google Ads, LinkedIn, and Facebook

Future Direction



- Becoming Chatbots de-facto standard
- On machine Chatbot
- Your digital, intelligent PA
- Helping to protect your privacy
- Ambitious to make it Unicorn in 3 years

Thank You!

Questions and Suggestions

Appendix

- In Pakistan, due to the best enabling environment NUST SEECS is attracting the best faculty and students of computer science
- Outer world is highly welcoming for IT and AI products, irrespective of the graphical localization of the company
- We are best suited to launch start-up with 0 seed money, under the umbrella of NUST flagship project BaatGPT.

Some upcoming products of SiBot

NUST HelpBot

Pakistan Constitution Guide

Ask Quran

Presentation Maker for Business

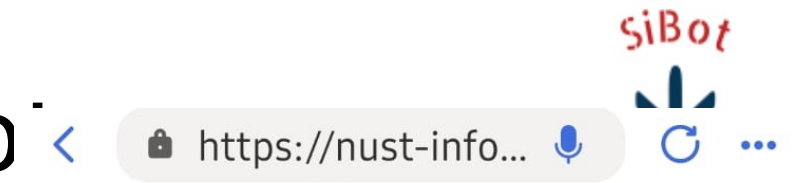
Tafheem ul Quran

LLM Fine-Tuning for your style

1. NUST HelpBot

This will guide NUST students to get the required information quickly without going through hundreds of pages of NUST UG and PG handbooks etc.

<https://nust-help-bot.vercel.app/>



NUST HELP BOT

Select Bot:

PG Info Bot

User Input:

What is the maximum duration of PhD?

Send

BOT: The maximum allowed time to complete a Ph.D. degree at NUST is 8 years, as stated on page 39 of the NUST Postgraduate Student Handbook.

🇵🇰 Pakistan Constitution Guide

User Input:

When the constitution can be suspended?

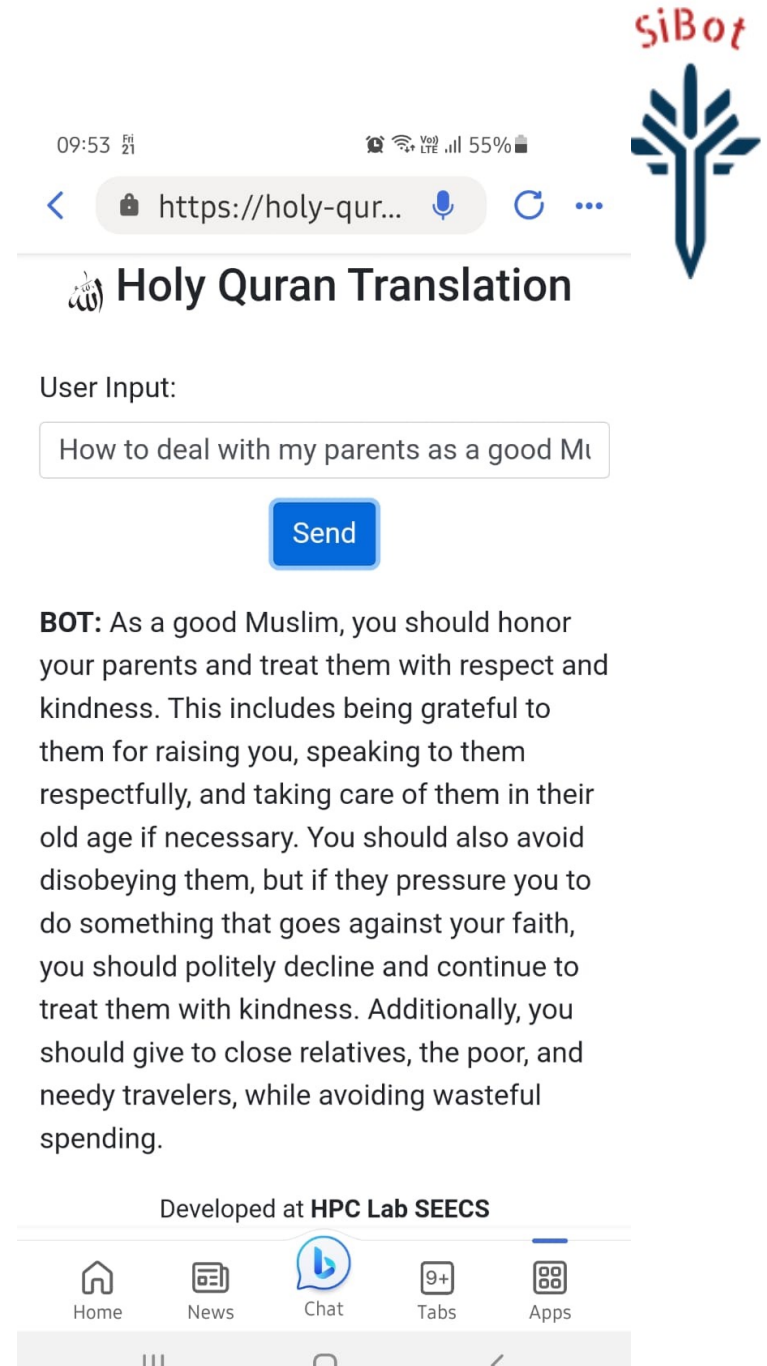
Send

BOT: According to Article 233(1) of the Constitution of Pakistan, Fundamental Rights, such as Articles 15, 16, 17, 18, 19, and 24, can be suspended during a Proclamation of Emergency. The State has the power to make laws or take executive actions that it would otherwise be competent to make or take, but any law made during the emergency period that is incompetent shall cease to have effect and be deemed repealed when the Proclamation is revoked or has ceased to be in force.

2. Pakistan Constitution Guide

3. Ask Quran


Logical
commands/deductions from
the holly book Quran only.



The screenshot shows a mobile application interface for "Holy Quran Translation". At the top right is the "SiBot" logo. The status bar at the top shows the time as 09:53, Friday, 21st, with various icons for alarm, Wi-Fi, VoLTE, cellular signal, and 55% battery. The address bar shows the URL "https://holy-qur...". The app title "Holy Quran Translation" is displayed with a small icon. Below the title, the "User Input:" section contains a text box with the query "How to deal with my parents as a good M..." and a blue "Send" button. The "BOT:" response provides a detailed Islamic ruling on how to treat parents. At the bottom, a navigation bar includes icons for Home, News, Chat (which is highlighted), Tabs, and Apps. A footer note states "Developed at HPC Lab SEecs".

09:53 Fri 21 55%

https://holy-qur...

 Holy Quran Translation

User Input:

How to deal with my parents as a good M...

Send

BOT: As a good Muslim, you should honor your parents and treat them with respect and kindness. This includes being grateful to them for raising you, speaking to them respectfully, and taking care of them in their old age if necessary. You should also avoid disobeying them, but if they pressure you to do something that goes against your faith, you should politely decline and continue to treat them with kindness. Additionally, you should give to close relatives, the poor, and needy travelers, while avoiding wasteful spending.

Developed at HPC Lab SEecs

Home News Chat Tabs Apps

4. Presentation Maker for Business

Forecasting, and Decision Support System



Slide Generator

Title:

Fossil Fuels

Grade:

4th Grade

Number of Slides:

5 Slides

Generate Slides

Tafheem ul Quran



https://tafhim-a...

Tafhim-ul-Qur'an

User Input:

What to do if someone use magic against

Send

BOT: According to page 167, one should recite the last three Surahs of the Qur'an (Al-Ikhlās, Al-Falaq, and An-Nas) and seek refuge with Allah from the evil of magicians, men and women, and the evil of the envious. It is also recommended to seek help from a religious scholar or an expert in Islamic healing practices.

Developed at **HPC Lab SEECs**

This is the alpha version of this software and only contains data from 30th Para of the Holy Quran.

For any issue report [here](#)

- Explaining in easy words, what Quran commands in a given daily life situation. If a clear command is not available, it will switch to Sahih Hadith...

LLM Fine-Tuned for Your Style

FINETUNING OF LLM – TO TALK LIKE MEERA

To start with this project, we had to first set up a “**Conda Environment**” using Anaconda or miniconda. For Beginners, I would suggest using “**Google Colab**” as it provides a good working environment with everything set up and ready to go.

The model used for this project was the “Falcon-7b Model” which is an open source LLM model available on “**Hugging Space**”. The link to it is as follows:

<https://huggingface.co/tiuae/falcon-7b>

This model can be opened on “**Google Colab**” by the following link:

<https://colab.research.google.com/drive/1lqL0ay04RwNNcn5R7HzhgBqZ2lPhHloh?usp=sharing>

Any Suggestions?