



**GUJARAT TECHNOLOGICAL UNIVERSITY
(GTU)
INNOVATION COUNCIL (GIC)
Patent Search & Analysis Report
(PSAR)**



Date of Submission : 15/10/2020

Dear Aghera Kishan Amrutlal,

Studied Patent Number for generation of PSAR : 20BE7_170170107003_1

PART 1: PATENT SEARCH DATABASE USED

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|-----------------------------------|---|---|
| 1. Patent Search Database used | : | Indian Patent Office database |
| Web link of database | : | http://ipindiaservices.gov.in/publicsearch/ |
| 2. Keywords Used for Search | : | ai, chatbots, real-time |
| 3. Search String Used | : | ai chatbots |
| 4. Number of Results/Hits getting | : | 100 |

PART 2: BASIC DATA OF PATENTED INVENTION /BIBLIOGRAPHIC DATA

- | | | |
|---|---|---|
| 5. Category/ Field of Invention | : | |
| 6. Invention is Related to/Class of Invention | : | Computer Science |
| 6 (a) : IPC class of the studied patent | : | G06N 3/00 G06K 9/00 |
| 7. Title of Invention | : | REAL-TIME LEARNING IN AI CHATBOTS |
| 8. Patent No. | : | 50/2019 |
| 9. Application Number | : | 201821021668 |
| 9 (a) : Web link of the studied patent | : | http://ipindiaservices.gov.in/PublicSearch/PublicationSearch/PatentDetails |
| 10. Date of Filing/Application (DD/MM/YYYY) | : | 06/11/2018 |
| 11. Priority Date (DD/MM/YYYY) | : | |
| 12. Publication/Journal Number | : | |
| 13. Publication Date (DD/MM/YYYY) | : | |
| 14. First Filled Country : Albania | : | 100 |

15. Also Published as

Sr.No	Country Where Filled	Application No./Patent No.
1		

16. Inventor/s Details.

Sr.No	Name of Inventor	Address/City/Country of Inventor
1	Mr Anil P Menon	INDIA

17. Applicant/Assignee Details.

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	DBNIX SYSTEMS PVT LTD	INDIA

18. Applicant for Patent is : Company

PART 3: TECHNICAL PART OF PATENTED INVENTION**19. Limitation of Prior Technology / Art**

No limitation found as of now.

20. Specific Problem Solved / Objective of Invention

Real time learning of the chatbot/virtual assistants during interaction with the correspondent

21. Brief about Invention

The present invention objects to provide the chatbot/virtual assistant/virtual assistant system which is capable of learning during real-time interaction with the correspondent or other chatbot/virtual assistant systems. Another object of the present invention is to provide the chatbot/virtual assistant/virtual assistant system that is capable of storing perceived and learned information in the form of a neural signature to form the memory.

22. Key learning Points

Neural Network, real-time learning

23. Summary of Invention

The present invention pertains to the chatbot/virtual assistants. More particularly, to the real-time learning of the chatbot/virtual assistants during interaction with the correspondent. The present invention comprises of the chatbot/virtual assistants which are enabled for real-time learning wherein the chatbot/virtual assistants are capable of memorizing the information perceived during the real interaction with the correspondent

24. Number of Claims : 10

25. Patent Status : Published Application

26. How much this invention is related with your IDP/UDP?

71 to 90%

27. Do you have any idea to do anything around the said invention to improve it? (Give short note in not more than 500 words)

As the invention uses real-time learning which is currently trending, there is no more room for any improvement as of now.