

Report on Virtual Personal Assistant

Ritik Anand Amrawat¹, Krutika Uttamrao Dudhe², Shubhangi Devidas Wandhare³

Mrunali Pramod Moon⁴, Prof. V. P. Sawalkar⁵

Students, Department of Computer Science and Engineering^{1,2,3,4}

Faculty, Department of Computer Science and Engineering⁵

Jawaharlal Darda Institute of Engineering and Technology, Yavatmal, Maharashtra, India

Abstract: *A virtual personal assistant (VPA) is a helper or agent of the owner or the operator to whom it belongs too, it is a special type of assistant with is skilled in doing variety of tasks assigned to it. Such as giving response to mobile facilities in the form of assistant which perform tasks, responding to emails, messages and many other functions by speech recognition. It works as offering administrative services to clients from a remote location, usually from home or office, it manages basic tasks such as calendars also. The capabilities and usage of virtual personal assistants (VPA) are expanding rapidly, it also controls automotive devices via voice recognition. Now the Virtual Personal Assistant (VPA) does not refer only to a machine but an Artificial Intelligence, person whose primary job is to help his employer to do a specific online job virtually.*

Keywords: VPA, Speech Recognition, Administrative Services, Automotive Services, Artificial Intelligence

REFERENCES

- [1]. P.Praddeep, P.Balaji, S.Bhanumathi, "International Journal of Recent Technology and Engineering", ISSN: 2277-3878, September 2019
- [2]. Dr. Kshama V. Kulhalli, "Personal Assistant with Voice Recognition Intelligence", ISSN 0974-3154 Volume 10, Number 1, 2017
- [3]. C. Gaida, P. Lange, R. Petrick, P. Proba, A. Malatawy, and D. Suendermann-Oeft, Comparing Open-Source Speech Recognition Toolkits. The Baden-Wuerttemberg Ministry of Science and Arts as part of the research project, 2011
- [4]. G. Bohouta, V. Z. Kępuska, "Comparing Speech Recognition Systems (Microsoft API Google API And CMU Sphinx)", Int. Journal of Engineering Research and Application 2017.
- [5]. Microsoft Corporation (2016) Historic Achievement: Microsoft researchers reach human parity in conversational speech recognition", <https://blogs.microsoft.com>.
- [6]. Deepak Shende, Ria Umahiya, Monika Raghorte, Aishwarya Bhisikar, Anup Bhange" AI Based Voice Assistant Using Python" JETIR February 2019
- [7]. Hirschberg, Julia, and Christopher D. Manning. "Advances in Natural Language Processing." Science 349 (6245): 261–266. doi:10.1126/science.aaa8685.