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AI-Based Call & Message System for Smart Bathrooms

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Abstract – In today's fast and smart life everyone is getting and using smartphones for smart work and in today's scenario it's mandatory for everyone to maintain this in regular life. And when anyone calls others they don't know exactly where is the person and what he is doing, and when someone is in a bathroom that time most people charged their own devices, that time if the phone rings everyone got confused about that "Who's calling me?" might be boss or any urgent work, that's why we are providing an innovative solution for this issue.

Key Words: Smart Device, Smart Bathroom, AI-Based, Call & Message, Smart System, Bathroom Gadgets

1. INTRODUCTION

In today's fast and smart life everyone is getting and using smartphones for smart work and in today's scenario it's mandatory for everyone to maintain this in regular life. And when anyone calls others they don't know exactly where is the person and what he is doing, and when someone is in a bathroom that time most people charged their own devices, that time if the phone rings everyone got confused about that "Who's calling me?" might be boss or any urgent work, that's why we are providing an innovative solution for this issue.

This system will be more valuable for Hotel Industries for Valuable Customers, and everyone required this product in their personal life. It is easy to use, hassle-free, without any privacy issues because there isn't any involvement of any type of video calls or camera and everyone can get charged his/her device in another room.

2. Body of Paper

Today our surroundings are circled with lots of technologies and with the same speed of development technology is growing so fast day by day, and this is never-ending.

When technologies are growing fast people are getting prepared to adopt technology with full respect, especially since our future generation will be so fast and friendly with future technologies, that's why we must focus to develop and innovate new technologies according to requirements to make everyone's life easier and smooth.

AI-Based Call & Message System for Smart Bathrooms device is one example of this technical innovation and growth.

Sr. No.	Characteristics	Capacities/Parameters
1	Display	Transparent (Head-Up)
2	Technology	User Friendly
3	Coverage Range	Upto 30 Feet
4	IP Grade	IP68
5	Features & Facilities	➢ Show Calls ➢ Show Messages ➢ Accept & Decline by Hand Gesture ➢ Contactless ➢ Voice Command Control ➢ 2-Way Communication System ➢ Speech Recognition (Speech to Text)
6	Useful for	➢ Hotel Industries ➢ Industrial ➢ Domestic
7	Type	➢ AI-Based

3. CONCLUSIONS

The conclusion of this paper is technology is growing faster in day-to-day life, and Communication is a major part of daily life, that's why we faced and observed lots of challenges in daily life, then after we find a new innovative concept after lots of failures in designs and technologies, we were working on that project since last 1 year and finally, we got our design which we want to dedicate to our nation to serve better to our civilians.

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REFERENCES

1. Antikainen, Mika; et al. (2012). "Transparent emissive thin-film electroluminescent display". *SID Symposium Digest of Technical Papers*. **31** (1): 885–887. doi:10.1889/1.1833096. S2CID 135606881.

2. "49WFB | Transparent Special Display | Large Format Displays | LG Canada". Archived from the original on 2018-04-06. Retrieved 2020-04-23.

3. *"SmartGlass – Key data always in your line of sight". Valtra Team. 2018-05-04. Retrieved 2021-03-11*

4. "Transparent LCD Screen | Clear Transparent Screen Display Panel". Archived from the original on 2019-01-11. Retrieved 2019-01-11.

5. "Interactive Transparent Displays". www.tap.tl. Archived from the original on November 19, 2015. Retrieved November 24, 2015.

6. "Transparent OLED Screen | Transparent Display". Archived from the original on 2020-01-12. Retrieved 2020-04-09

7. *Kiyokawa, K.; Kurata, Y.; Ohno, H. (August 29, 2017). "An optical see-through display for mutual occlusion of real and virtual environments". Proceedings IEEE and ACM International Symposium on Augmented Reality (ISAR 2000). pp. 60–67. doi:10.1109/ISAR.2000.880924. ISBN 978-0-7695-0846-7. S2CID 9295821*

8. "MIT Researchers Created a New Type of Transparent Screen Display". *Boston Magazine*. 2014-01-22. Archived from the original on 2019-12-13. Retrieved 2019-12-13.

9. Keynote talk: "Achievements and Challenges of Deep Learning: From Speech Analysis and Recognition To Language and Multimodal Processing Archived 5 March 2021 at the Wayback Machine," Interspeech, September 2014 (by Li Deng).

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