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Corporate Messenger QuickSend

Nowadays, one of the primary aspects of any company's success is the availability of fast communication. The most popular ways of organizing corporate communications are telephony and instant messengers.

Telephony functionality is limited, only SMS and phone calls are available. Internet instant messengers have more opportunities, such as:

- transfer of text, graphics, sound, both in real time and with deferred answers;
- storage of the message archive with the ability to search for the necessary information;
- fast exchange of any files.

Therefore, messengers are often used to organize communication between employees of the organization. The simplest example of corporate communication is the use of instant messaging (IM) - clients such as Telegram, Viber, WhatsApp etc. Key features of these clients are easy implementation and low software costs.

However, the use of popular IM clients does not always comply with the privacy policy of corporate information, in particular:

- there is no possibility to control the actions of employees of the organization;
- there is always the danger of information threats, such as information leakage by sending confidential data to third parties;
- high probability of spreading malware and spyware through spam messages;
- if an employee loses access to their account, it is not always possible to restore it, there is a threat that an attacker will steal authorization data for personal use.

Therefore, the solution to most of the above problems is the QuickSend messenger developed by the author, which allows:

- organizing corporate correspondence of all employees with a clearly regulated number of authorized users;
- exercising administrative control over the sent messages without the possibility of deleting fragments of correspondence by users;
- being fully protected due to the fact that new users registration goes through a moderation procedure by the administrator and the inability to transfer data from users who are not employees of the organization;
- keeping archive of messages not limited by time frames;
- implementation with no financial costs.

The work of the QuickSend messenger is based on the Google Firebase database for Android OS smartphones. User registration data is stored in the database that is accessible only to the owner (administrator).

At the moment, the messenger is in the testing phase. Improving the interface in accordance with customers' wishes continues. The messenger is easy to use and has an intuitive interface for the average user. That's why, there is a high probability that it will be successfully implemented for organizing corporate communications.