# *An abstract on*

# Cloud Computing Security Using DNA Cryptography

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**ABSTRACT**

Cloud computing denotes an IT infrastructure where data and software are stored and processed remotely in a data centre of a cloud provider, which are accessible via an internet service, this new paradigm is increasingly reaching the ears of companies and has revolutionized the marketplace of today to several factors, in particular its cost-effective architectures covering transmission, storage and intensive data computing.

The existing approaches did not verify the integrity of data, so an attacker could intercept the encrypted data transmitted in the network, and can modify them. The disadvantage of the existing algorithm was that the use of a high execution time to perform the encryption task.

The security schema, we propose allow a distant user to ensure a completely secure migration of all their data anywhere in the cloud through DNA cryptography.DNA cryptography provides high confidentiality and integrity.DNA cryptography requires minimal storage and power requirements.

**Date: Signature of the Guide**