

E-wallet and G-wallet using in E-commerce platforms

Dr.T.Kalaikumaran*,Mrs.V.Radha**,Mr.S.Mohan***,Dr.J.Jebaraj****

Head & Professor, ** Assistant Professor*Assistant Professor,*

Department of Computer Science and Engineering,

*****Associate Professor, Department of Mathematics,*

V.S.B College of Engineering Technical Campus, Coimbatore, Tamil Nadu, INDIA

Abstract: Now whole world is over by g-wallet. Because e-wallet all transaction vending, buying are by its help. Because it is cashless transaction that between two devices but not between two persons. First bar code then QR code. With the help of cash in e-wallet without cash. Because cashless transaction in future of world in e-commerce in platform of amazon,flipcart,olx etc ...all are using by g-wallet transaction despite physical wallet are more services .But e-wallet and g-wallet any time, any where compare to the physical wallet .Physical wallet changed to g-wallet, g-wallet changed to e-wallet-in future. Marc Andreesson told by “the future payment invisible”

Key words: g-wallet, e-wallet, physical wallet, QR code, cashless transaction

INTRODUCTION

A e-wallet is a software components it will make electronic payments that are hiding the protocol extension in blockchain wallet is PAYPAL-e-wallet .or g-wallet is PAYTM. Because e-wallet is the cashless transaction and g-wallet is the contactless transaction (QR code).because is instant enable specified used in young generation.it is entirely replaced function of physical wallet both are transaction the digital cash. Among the function of wallet.it is also carry out,debit/credit ,smart card, health insurance... all are associated with the wallet because mobile digital wallet on heterogeneous merged to store contact of item related to the daily transaction. it is multi channel access to user and other parties because it is mobile wallet reality,

Jeff bezos- told by “The internet has trust commerce inside out”

Why need...?

The population are now increased by mobile transaction that is integrated with the cell phone because it is easy to communicate to transaction by people. Among the two devices with the help of contactless or cashless transaction made by

interested young generation. Because workless popular transaction so peer-to-peer transaction called e-commerce, multi-hop cash payments hardware technology implemented an electronic wallet (e-wallet) to accommodate digital cash.

Now more area coined with mobile payments. Surrogate for debit/credit and smart card the device link with the bank account. It would be replaced physical wallet with digital wallet in to existing mobile device. Before study We discuss about g-wallet and e-wallet need to understand the hot and cold wallet.

i)Cold wallet

It means physical wallet with the transaction physically among the person. Because it is more secure then the digital wallet .it is more time takes.it is not connected to internet

ii)Hot wallet

It is connected to internet easy to transaction among the vendor and buyer .because it is contactless transaction .because QR base wallet.it g-wallet no limitation of the finance transaction paytm (payment through mobile)

iii)E-wallet

It refers an electronic wallet it is used to block chain technology it is limitation of the payment so it is called cashless transaction in future invisible function e-wallet also called hot wallet .because it is digital ledger used distributed across the computer.

iv)Block chain technology

It is an alterable of transaction which reduce need for the thisparties.it is also used to share the information transaction with in the business network. Each transaction recoded as block of the data which is cryptography hash of prime block and

the transaction data. The block is linked together chain immutable record of transaction.

Block chain role of cryptocurrency system

- i) Supply chain-transfer between the trading.
- ii) Blocking and finance-replaced the old process.
- iii) Health care-patient data make easy to share.

Types of block chain- 4 types

1. Public
2. Private
3. Hybrids
4. Consortium

Share the database that different from the typical data base in the way it stored the information .linked together via cryptography in block chain most common used in the ledger transaction. It is decentralised record of transaction.but they are not limited to cryptocurrency use .because it is crypto currency system.

Crypto currency

The decentralised crypto currency that uses of cryptography for security

Example

- *Bitcoin
- *Ethereum
- *Ripple and lite coin

Bit coin- create 10 minutes to new block
Lite coin-create 2.5 minutes to new block
Ethereum-12-14 second to create new block

E-commerce

The purchase conducting business line including buying and selling as well as providing service to customer and collaborating with the business partners

Locations

It don't need to physical office, store, or work place. You can work from anywhere...

Geographical barriers

e-commerce barriers can real customer from any where in the world. Without digital geographical limitation of the traditional business.

Example

- Shopify-built your online store.
- Wix-(saas) platform. Software as a service.
- Square space- cloud –hosted web site builders.
- big common-sell their product online.
- Open cart-open source platform anywhere to create the web site for customers.

Types of e-commerce

1. Business-to- business-(Shopify)
2. Business- to –consumer (amazon)
3. Consumer-to- consumer(eBay)

Difference between g-wallet and E-wallet

G-wallet used in the paytm(payment through mobile)

E-wallet used paypal(payment private limited).

G-wallet is used to contactless transaction.

E-wallet is used to cashless transaction

G-wallet is used to QR code based.

E-wallet is used to block chain based decentralised transaction.

Adhoc payments

It is one type of online payments also called one off-payments.This payments for specific product and services.It is payment for instantly check /debit/credit/ etc.. It is called variety of methods,salary and fund transformation from one bank to another without visiting bank. But it is not using the wallet. User account beneficiary account that is not registered with in the bank varying the reason. Because from the emergency expences.Adhoc is the file transformation application, alteration to the traditional wallet that has password and biometric security.

CONCLUSION

Young generation likes E-wallet all are like to use crypto currency, invisible transaction it is based on G-wallet. From it is started bar code and QR code. All transaction are crypto and share like to the new generation before in business ledger and physically maintained now it is block chain technology -\ are used to immutable ledger/record are maintained.

So, no need to third party either vendor or buyer among the goods. E-wallet is already existing wallet (gold wallet replaced by the hot wallet. Now most of the host of the transaction by mobile. Now a day it more spread to young generation to transfer the fund easy and confidently from their own packet. It is micro payment. Surrogate of g-wallet and then comes e-wallet based on e-commerce.

REFERENCES

- [1] Abdullah, N., Redzuan, F., & Daud, N. A. (2020). E-wallet: Factors influencing user acceptance towards cashless society in Malaysia among public universities. *Indonesian Journal of Electrical Engineering and Computer Science*, 20(1), 67–74. <https://doi.org/10.11591/ijeeecs.v20.i1.pp67-74>
- [2] Abidin, W. Z., Rivera, O., Maarop, N., & Hassan, N. H. (2017). Mobile payment framework for the unbanked Filipinos. *International Conference on Research and Innovation in Information Systems, ICRIS*. <https://doi.org/10.1109/ICRIIS.2017.8002478>
- [3] Adharsh, R., Harikrishnan, J., Prasad, A., & Venugopal, J. S. (2018). Transformation towards E-Wallet Payment Systems Pertaining to Indian Youth. *International Journal of Pure and Applied Mathematics*, 119(12), 2583–2594.
- [4] Aji, H. M., Berakon, I., & Md Husin, M. (2020). COVID-19 and e-wallet usage intention: A multigroup analysis between Indonesia and Malaysia. *Cogent Business and Management*, 7(1), 1804181. <https://doi.org/10.1080/23311975.2020.1804181>
- [5] Chresentia, S., & Suharto, Y. (2020). Assessing Consumer Adoption Model On E-Wallet: An Extended UTAUT2 Approach. *International Journal of Economics, Business and Management Research*, 4(06), 232–244