

5G TECHNOLOGY AND HIS/HER INFOCOMMUNICATION TO NETWORKS IMPACT

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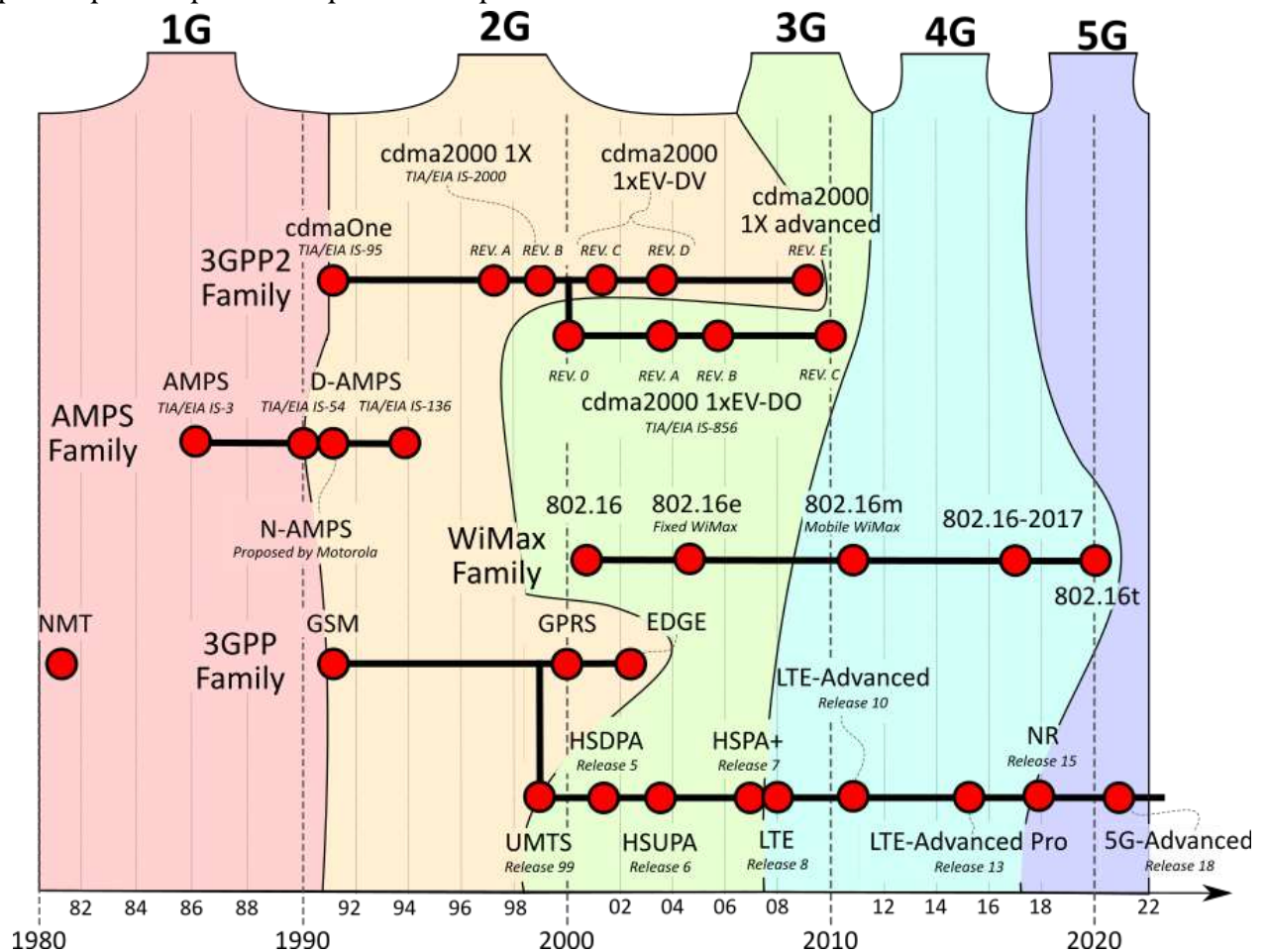
Abstract: *This 5G technology at work in infocommunication role , main technician features and through it being created opportunities seeing New generation mobile communication technology 5G is not only high at speed information transmission provides and very big opportunities gives , maybe of delay sharp decrease and many numerical of devices one of time in the room to the network connection The study supports the use of 5G technology . infocommunication to networks showed positive impact , as well as industry in automation , intelligent cities under construction smart homes , health storage and in the transport sectors application Also , the network in the infrastructure event gave changes and new security see the problems too Let's go out.*

Keywords: *5G technology, communication infrastructure, telecommunications impact, network evolution, digital connectivity*

INTRODUCTION

Diffusion of Innovation Theory, created by Everett Rogers in 1962, is a key concept in the field of communication and technology adoption. This theory studies how innovations such as 5G technology are adopted and diffused in a society or community. The main focus of this theory is the process by which individuals or groups decide to adopt new technologies and how adoption spreads through social networks. It divides individuals into innovators, early adopters, early majority, late majority, and laggards based on their willingness to adopt innovations. In the context of "The Impact of 5G Technology on Communication Infrastructure," Diffusion of Innovation Theory is relevant because it helps researchers understand how different segments of the population will embrace and adapt to 5G technology. It explores the impact of 5G in communities acceptance to be done impact provider factors , including communication infrastructure role about concept gives . Recipients categories determination and their behavior study through this theory wide use and use provision for 5G there is communication to the infrastructure integration optimization strategies known to do possible (Rogers, 1962). 5G technology communication to the infrastructure impact with related contextual and methodological gap existence showed . Initial empirical Check 5G technology fair use importance As shown , 5G 's acceptance to be done and impact geographical location , socio-economic situation and cultural diversity such as to factors looking at very big difference to do possible . Digital the difference eliminate to grow and service not specified of the teams progressive communication from the infrastructure use provision important problem to be Politicians , telecommunications companies and community leaders this imbalances eliminate to grow and the benefits of 5G cover to receive and everyone for open to be provision for in cooperation performance Theory , practice and to politics unique contribution : innovation spread theory , resources dependency theory and structure theory 5G technology according to future research reinforcement for usage possible . Research 5G network coverage , especially service not

specified village in places fair expansion the necessity emphasized . Secondly , the user information protection to do for solid network safety measures and information privacy Third , the research requires the use of 5G technology all from the possibilities use for innovations and public-private partnership to develop service does .



Fourth , communication infrastructure endurance increase 5G capabilities for natural to disasters preparation see and answer to their plans integration to do importance Finally , the study energy saver network components and ecological safe placement practices support through ecological stability emphasizes .

Conclusion and offers . 5G technology mobile communication and internet systems new generation to be , to be high speed , low latency and expanded connection opportunities with separated This technology not only mobile phones and internet connection , maybe smart cities , industry 4.0, autonomous transport, medicine and other new in the fields opportunities presented 5G technology will current high , high at speed information transmission and many devices one of time in the room to the network connect opportunities with in the future many social and economic to changes take arrival is expected. However, 5G technology current to be some also causing problems emits , for example , infrastructure update , security and privacy issues and high investments are required . Also , the networks stability provision and their effective performance permanent accordingly control to do necessary Infrastructure development : 5G technology complete application for network infrastructure update and expansion necessary . States and private sector in cooperation big investments directional 5G antennas and network facilities current to do acceleration need .

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