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5G FOR BANGLADESH

Navigating between high hopes and hard realities

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The common perception of 5G, often oversimplified as a fast lane for enhanced internet services like streaming, only skims the surface of its implications. 5G technology, in essence, promises a transformative leap in connectivity, enabling a broad spectrum of applications from smart cities to remote healthcare.



this progress has not been without challenges. The existing 4G network, while widespread, grapples with issues like variable network quality, limited bandwidth in rural areas, and occasional service disruptions. These issues are not trivial; they underscore the foundational gaps that could



The readiness for 5G also involves a cultural and educational shift.

SHAHRIAR RAHMAN

As Bangladesh enthusiastically gears up for the advent of 5G technology, a centrepiece of its Vision Smart Bangladesh 2041, the mood is a mix of optimism and caution. The transition to 5G is not just an upgrade in telecommunications; it represents a significant technological leap. This leap, however, is fraught with complexities that demand a

thorough, objective examination.

The common perception of 5G, often oversimplified as a fast lane for enhanced internet services like streaming, only skims the surface of its implications. 5G technology, in essence, promises a transformative leap in connectivity, enabling a broad spectrum of applications, from smart cities to remote healthcare. However, the leap from the current

4G to the more sophisticated 5G is not merely an upgrade; it's a paradigm shift. The biggest question here remains: is Bangladesh truly ready for this seismic shift?

Recent data depict a Bangladesh rapidly embracing digital connectivity. With over 190 million mobile users and 127 million internet subscribers (according to BTRC), the country has made strides in digital adoption. However,

On the industrial front, 5G holds immense promise. It can transform industries by enabling real-time data processing, facilitating IoT (Internet of Things) applications, and enhancing operational efficiencies.

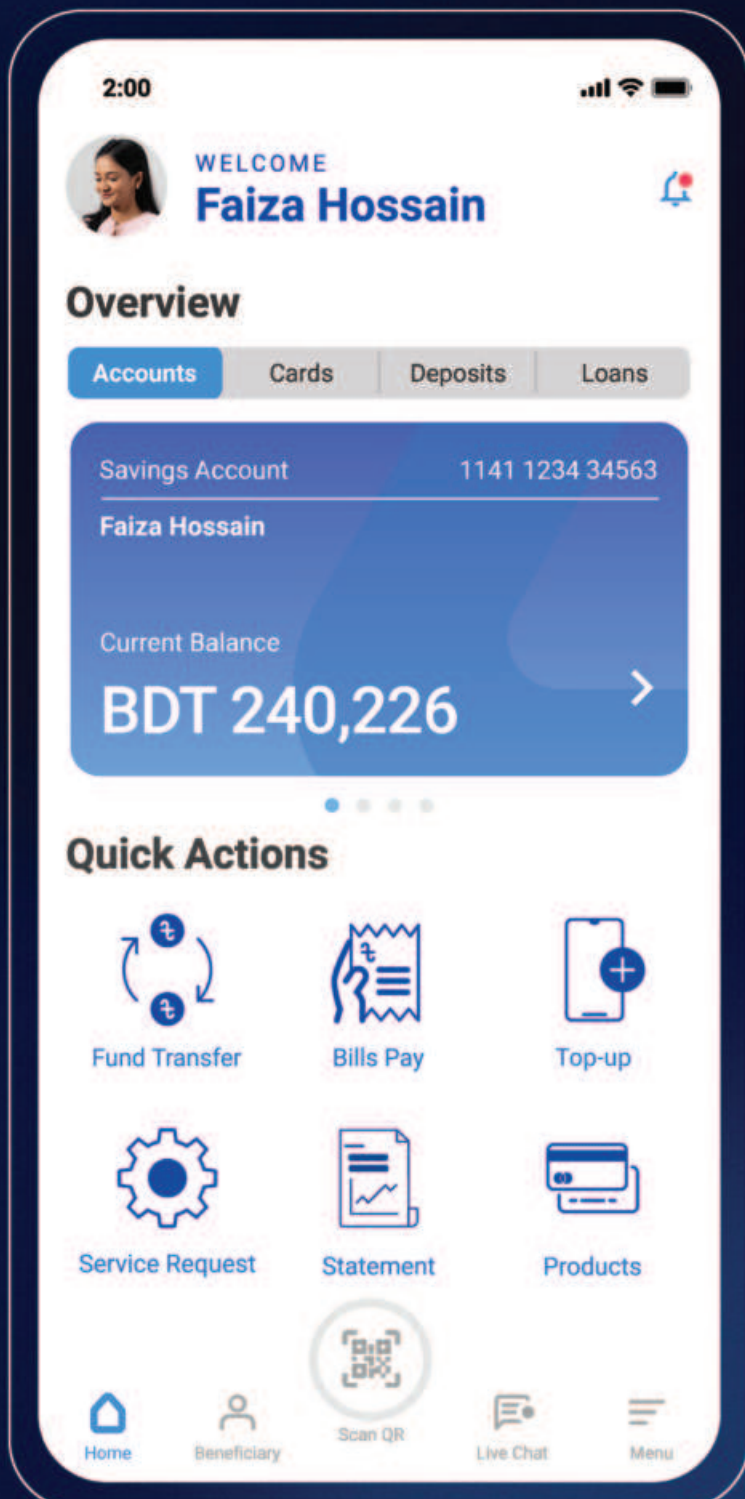
hinder the effective rollout of 5G.

In rural regions, where internet penetration has increased, the quality and consistency of connectivity remain concerns. This digital divide is not just a matter of network coverage; it extends to aspects like access to devices, digital literacy, and affordability. These factors are critical when considering the readiness for 5G, a technology that demands more sophisticated infrastructure and user engagement.

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