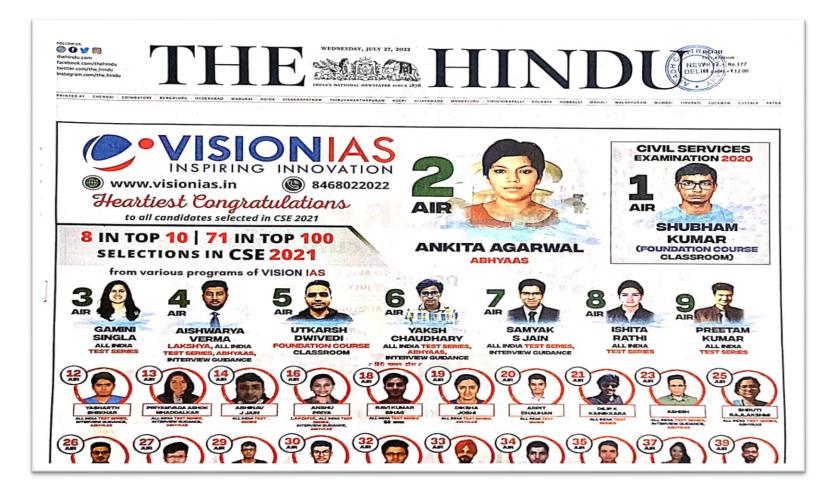


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RASHTRIYA SAHARA





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DIGITAL TRANSFORMATION THROUGH 5G SERVICES

Neeraj Sinha, Naman Agarwal Siddhey G Shinde

- India must rollout 5G services as a priority in order to enable digital transformation in Governance, Ease of · living, and Ease of Doing Business. 5G, the newest generation of mobile communication technology, offers a diverse toolbox of features that can be used to solve business problems and social challenges in new ways, representing a new way of working and thinking.

Under a fully developed 5G ecosystem across the nation, it is estimated that around 30% of the end nodes will be user-(IoT) devices. More importantly, this also user mobiles means that the network requirements for



these two categories are very different. direct contribution to the Indian economy this is expected to bring much higher data Fortunately, 5G also includes a feature is estimated to be USD 450 billion over the speeds and lower latency. However, that

mobiles, whereas the remaining 70% will manage their systems and processes, as immediately after the 5G rollouts begin. be nomadic or static Internet of Things opposed to being used by consumers or Without doubt, the consumer mobile segment will be the first to be offered 5G In particular, it is noteworthy that 5G's network services As popularly described,

called Tweevork Skiding that enables the next 15 years 5G must be considered a does not even begin to scrape the to of

wireless networks as an operational technology in their respective systems to improve efficiency and resilience. The incorporation of 5G will trigger another transformative leap forward, through pervasive digitisation, to also bring greater flexibility, scalability, and responsiveness in such systems. Moreover, 5G will also enable convergence of several technologies in these sectors, including Artificial Intelligence (AI) / Machine Learning (ML), Augmented Reality (AR), Additive Manufacturing, and Autonomous Robots and Drones.

The Industry 4.0 conceptualizes the rapid convergence of these technologies. industries, and societal patterns and processes in the 21st century due to increasing interconnectivity and smart automation, 5G will act as the gears of this system, enabling these technologies to operate with each other. A prime example is the manufacturing sector where every