

5G Technology Architecture

Mr. Arunkumar Joshi¹, Mr. Prakash Hongal², Mr. Vikram Shirol³, Ms. Arpita Kembhavi⁴

Smt Kamala and Shri Venkappa M. Agadi College of Engineering and Technology, Laxmeshwar, India
agjodhi.doc@gmail.com, hongalpj@gmail.com, vikramshirol@gmail.com, arpitakem14@gmail.com

Abstract: *5G Technology stands for fifth Generation Mobile technology. Research on 5G mobile wireless technologies has been very active in between service providers and users. 5G technology has extraordinary data capabilities and has ability to tie together unrestricted call volumes and infinite data broadcast within latest mobile operating system. It highlights salient features, i.e flexibility, accessibility, and cloud-based service. 5G technology going to be a new mobile revolution in mobile market. To fulfill 5G rate and capacity requirements including network densification, employment of large- scale (massive) multiple input multiple output (MIMO), and exploitation of the millimeter wave (mmWave) spectrum to attain Gigabit communications.*

Keywords: Natural fibre, Cement composites, Nano Silica, Mechanical properties, Durability properties.

REFERENCES

- [1]. Wang et al. Cellular Architecture and Key Technologies for 5G Wireless Communication Networks. IEEE Communications Magazine 52, 2 (2014).
- [2]. Akpakwu et al. A Survey on 5G Networks for the Internet of Things: Communication Technologies and Challenges. IEEE Access 6 (2018).
- [3]. Han et al. Network function virtualization: Challenges and opportunities for innovations. IEEE Communications Magazine 53, 2 (2015).
- [4]. Costa-Requena et al. Software defined 5G mobile backhaul. In Proceedings of 1st International Conference on 5G for Ubiquitous Connectivity 2014.