

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology



ISSN 2320-088X

International Conference on Mobility in Computing- ICMiC13, Organized by Mar Baselios College of Engineering and Technology during December 17-18, 2013 at Trivandrum, Kerala, India, pg.124 – 133

REVIEW ARTICLE

Nanocore - A Review on 5G Mobile Communications

Gokul P Nair

Project Engineer, ENZEN Global Solutions Pvt Ltd, Madiwala, Bangalore
gokulpnair@outlook.com

ABSTRACT

The next generation mobile technology which is expected to be launched by 2020 is named as 5G as it is an upgraded version of the existing and establishing network 4G, widely known as LTE (Long Term Evolution) network. 5G itself will be capable of crossing the existing benchmarks of speed and connectivity. This paper will take a review in 5G networks having a wide view about the upcoming future generation which will be technically touching the real heights. The focus is mainly on the core potentials to be taken in the current telecommunication system to shape a vision of 5G. Incorporating the different technologies which include the research and development topics in the related fields are also taken care in this paper which covers technologies like Nanotechnology, Cloud Computing, Flat IP concept, BDMA and more. The paper addresses the various aspects of the infrastructure transform for service providers to upgrade themselves from the communication providers to the digital lifestyle enabler. A new approach for the next generation wireless communication and emerging scientific developments is also covered in the same.

Keywords: 5G Nanocore; Cloud Computing; Flat IP concept; Nanotechnology

Full Text: <http://www.ijcsmc.com/docs/papers/ICMIC13/ICMIC13S14.pdf>