



# NARAYANA ENGINEERING COLLEGE:: NELLORE



## Department of MCA

Department of MCA conducted Faculty Development Programme on “**Next Generation Wireless Networks**” in association with Tec Analytical Solutions from 19<sup>th</sup> September to 21<sup>st</sup> September 2019, at Kautilya Seminar Hall in C – Block, NEC, Nellore. Resource person was Mr. P.V.S. Abhilash, Software Developer, TCS, Hyderabad. The faculty Program was found very useful to the staff members to develop knowledge on Wireless Networks.



Resource Person Mr. P.V.S Abhilash delivering keynote



Discussing basic terminology of WNT

### Objectives:

- To obtain the basic knowledge on MOSFET (MOS transistor) wireless technology enabled the development of digital wireless networks.

- Resource person discussed about the essential elements of wireless networks are built from MOSFETs.
- The first day interaction is on various topics such as MOSFETs includes mobile transceivers, base station modules, routers, RF power amplifiers, telecommunication circuits and radio transceivers in networks such as 2G, 3G, and 4G.



**Faculty listening the concepts**



**Resource person Mr. Abhilash interaction with the participants**

On Second day, he delivered about on Wireless networks, and their ability to reuse radio channels in non-adjacent cells. Additionally, cells can be made very small using low power transmitters this is used in cities to give network capacity that scales linearly with population density.

On third day, resource person discussed about the types of wireless networks and their properties. He delivered briefly about the network architecture.

Faculty got the knowledge in Wireless networks and its needs of software industry.