



**VIT-AP**  
**UNIVERSITY**

Apply Knowledge. Improve Life!®

## Advanced Communication for 5G and beyond (A Value Added Course)

offered by  
**School of Electronics Engineering (SENSE)**

In the recent times, the substantial enhancement in the acquisition of mobile devices has led to the tremendous advancements in the wireless communication industry throughout the globe. An extensive diversification of wireless applications in the 3G, 4G, 5G and beyond which includes the multimedia-integrated voice-video communication, many interactive live streaming sessions like the video conferencing, multiuser gaming, etc., can be witnessed. Consequently, to cater the needs of every individual, it is of immense prerequisite to deploy the modern and futuristic wireless communication technologies. The fast-evolving and latest wireless communication technologies such as the OFDM, MIMO, CDMA, NOMA, etc., play a vital role in meeting the demands of multiple users. Therefore, it is necessary for the students to substantially grasp all the fundamental aspects and the design issues behind the implementation of such technologies. Eventually, thorough understanding of this course will enable the students to implement future projects in the diverse areas of RF communications, OWC, FSOWC, etc.



### Course Highlights:-

- ★ Students will get a strong emphasis on the new trends in mobile/wireless communications
- ★ Students will thoroughly learn the mathematical modelling behind the implementation of the current state-of-the-art aspects in wireless communication technologies.
- ★ Students will get acquainted to the emerging technologies such as the radio frequency communication, free space optical communication, light detection and ranging, light fidelity, optical camera communication, optical wireless communication, etc.

**EVERY MONDAY 03.00 PM to 05.00 PM**

**Commence from 01-03-2022.**

**Certificate after completion of course**