

Course Content of Short Term Course

Operational Plan No.	ICT-17
Name of the Course	Next Generation Wireless Networks
Objectives of Course	<ul style="list-style-type: none">• To understand basics of wireless communications• To understand IP address configuration• To introduce the Cellular Technologies• To explore WLAN, MANET and VANET• To design and analyse Internetworks Scenario using NS2• To implement network scenarios in NS2• To tackle security issues in WiFi• To explore WSN, Bluetooth and Zigbee• To apply research methodology in engineering disciplines
Course Content	<ul style="list-style-type: none">• Overview of Wireless Communication• Fundamentals of Cellular Networks-GSM/GPRS/3G Technologies• 4G LTE Networks• Network Simulation using NS2• VANET Simulation• Security Issues in WiFi• Wireless LAN standards-Bluetooth, Zigbee• IoT
Name of Course Coordinator with E-mail ID & Contact Number	<ul style="list-style-type: none">• Dr. C Rama Krishna, rkc_97@yahoo.com, 0172-2759670• Dr. Rakesh Kumar, raakeshdhiman@gmail.com, 0172-2759787