



FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
5G Wireless Communication
(29th May – 3rd June, 2019)



Organized by
E & ICT Academy, National Institute of Technology, Warangal.
(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

Program Schedule

Date/Day	9:00 – 11:00 AM		11.15 AM - 1.15 PM	2.15 - 3.45 PM	Tea Break	4.00 - 6.30 PM	
29-05-19 Wednesday	Inauguration	Introduction to 5G, Dr. Rajarshi Roy, IIT-KGP	T E A B R E A K	Resource Allocation Problems in 5G wireless communication, Part – I; Dr. Rajarshi Roy, IIT-KGP	Cognitive Radios for 5G and beyond; Dr. Sachin Chaudhari, IIIT - Hyd		
30-05-19 Thursday	Massive MIMO Dr. V.V.Mani, NIT-W			5G Modulation and Demodulation, Dr. Kalpana, NIT-W	Lab session on Massive MIMO and 5G-Modulation and Demodulation; Dr. V. V. Mani & Dr. Rahul , NIT-W		
31-05-19 Friday	SDN – Software Defined Networking, Dr. Rahul J. Pandya, NIT-W			IOT & 5G, Dr. Ravi Kishore, NIT-W	Increasing data rates in 5G networks using LTE-Unlicensed, Dr. Naveen, IIT-Tirupati		
01-06-19 Saturday	mm wave communications Dr. P. Ubaidulla, IIIT-Hyderabad			Key features of 5G & Resource allocation in 5G networks, Part – II ; Dr. Abhinav Kumar, IIT-Hyderabad	LAB Session on generating 4G L1/L2 cellular networks Dr. Abhinav Kumar, IIT Hyderabad		
02-06-19 Sunday	HetNets Dr. Chetna Singhal, IIT Kgp			Resource allocation in 5G networks, Part – III, Dr. Chetna Singhal, IIT-kgp	LAB Session on Resource Allocation Dr. Chetna Singhal, IIT-Kgp		
03-06-19 Monday	Antenna beam forming techniques in 5G, Dr.Prakash Rao, NITW			Multihop transmission in 5G networks Dr. Hrishikesh V, IIIT-Sricity	Lab on Hetnets ; Dr. Kalpana, NIT-W followed by Valedictory session		

List of Resource Persons :

- a) Dr. Rajarshi Roy, IIT-Kharagpur
- b) Dr. Chetna Singhal, IIT-Kharagpur
- c) Dr. Abhinav Kumar, IIT- Hyderabad
- d) Dr. K.P. Naveen, IIT-Tirupati
- e) Dr. P. Ubaidulla, IIIT-Hyderabad
- f) Dr. Sachin Chaudhari, IIIT-Hyderabad
- g) Dr. Hrishikesh V, IIIT-Srivity
- h) Dr. V.V.Mani, NIT-Warangal
- i) Dr. Kalpana, NIT- Warangal
- j) Dr. Rahul J. Pandya, NIT- Warangal
- k) Dr. Ravi Kishore, NIT- Warangal
- l) Dr. A. Prakash Rao, NIT- Warangal