

Introduction to Wireless Communications (New subject; L-T-P: 2-0-0; Credit: 02)

Syllabus:

Introduction to wireless technology (1 Lecture Hr.);
Bandpass signals and systems (3 Lecture Hr.);
Baseband equivalent of narrow band signals and systems (5 Lecture Hr.);
Noise in wireless receivers (3 Lecture Hr.);
Wireless transceiver structures – link budget, RF stage, antenna (6 Lecture Hr.);
Digital signal processing and digital design of wireless transceivers (4 Lecture Hr.);
System level examples – Physical Layer and Medium Access Layer (6 Lecture Hr.);