D.N.R.COLLEGE OF ENGINEERING & TECHNOLOGY
Balusumudi Bhimavaram – 2
(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)
(Accredited with B^{++} Grade by NAAC)
Ph: 08816-221238 Email: dnrcet@gmail.com website: https://dnrcet.org
Electronics & Communication Engineering

Course Outcomes

ACADEMIC YEAR:2020-21
NAME OF THE COURSE : Electromagnetic Waves and Transmission Lines
REGULATION:R19
YEAR/SEMESTER:II/II
NAME OF THE FACULTY: K.VENKANNA NAIDU

CO NO.	DESCRIPTION
C4223.1	Determine E and H using laws (Coulomb's and Gauss's, Biot-Savart's and Ampere's Circuit law). Applying *(BTL 3)*
C4223.2	Analyze the time varying behavior of EM waves by using the Maxwell equations. *Analyze (BTL 4)*
C4223.3	Evaluate the wave equation and characteristics of the electromagnetic wave in different medias using Maxwell equations. *Analyze (BTL 4)*
C4223.4	Determine Brewster angle, critical angle, total internal reflection and Poynting vector. *Analyze (BTL 3)*
C4223.5	Evaluate transmission lines parameters and constants. *Analyze (BTL 4)*
C4223.6	Determine input impedance, load impedance, VSWR, locations and lengths of stubs using Smith chart.

Signature of Faculty Signature of HOD