



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)

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Electrical and Electronics & Engineering

COURSE OUTCOMES

ACADEMIC YEAR: 2020-21
NAME OF THE COURSE : POWER ELECTRONICS
REGULATION:R16
YEAR/SEMESTER:III/I
NAME OF THE FACULTY: G.SAI BABA

CO NO.	DESCRIPTION
C2315.1	Explain the characteristics of various power semiconductor devices and analyze the static and dynamic characteristics of SCR's.
C2315.2	Design firing circuits for SCR.
C2315.3	Explain the operation of single phase full-wave converters and analyze harmonics in the input current.
C2315.4	Explain the operation of three phase full-wave converters.
C2315.5	Analyze the operation of different types of DC-DC converters.
C2315.6	Explain the operation of inverters and application of PWM techniques for voltage control and harmonic mitigation.