



## **D.N.R.COLLEGE OF ENGINEERING & TECHNOLOGY**

Balusumudi Bhimavaram – 2

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

(Accredited with B<sup>++</sup> Grade by NAAC)

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Electrical and Electronics & Engineering

## **COURSE OUTCOMES**

<b>ACADEMIC YEAR: 2020-21</b>
<b>NAME OF THE COURSE : POWER ELECTRONIC CONTROLLERS &amp; DRIVES</b>
<b>REGULATION:R16</b>
<b>YEAR/SEMESTER:III/II</b>
<b>NAME OF THE FACULTY: N.HYMAVATHI</b>

<b>CO NO.</b>	<b>DESCRIPTION</b>
<b>C2321.1</b>	Explain the fundamentals of electric drive and different electric braking methods.
<b>C2321.2</b>	Analyze the operation of three phase converter fed dc motors and four quadrant operations of dc motors using dual converters.
<b>C2321.3</b>	Describe the converter control of dc motors in various quadrants of operation
<b>C2321.4</b>	Know the concept of speed control of induction motor by using AC voltage controllers and voltage source inverters.
<b>C2321.5</b>	Differentiate the stator side control and rotor side control of three phase induction motor..
<b>C2321.6</b>	Explain the speed control mechanism of synchronous motors