

**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)Ph: 08816-221238 Email: [dncet@gmail.com](mailto:dncet@gmail.com) website: <https://dncet.org>

Electrical and Electronics &amp; Engineering

**COURSE OUTCOMES**

<b>ACADEMIC YEAR: 2020-21</b>
<b>NAME OF THE COURSE : CONTROL SYSTEMS</b>
<b>REGULATION: R19</b>
<b>YEAR/SEMESTER:II/II</b>
<b>NAME OF THE FACULTY: M.SRINU</b>

<b>CO NO.</b>	<b>DESCRIPTION</b>
<b>C2224.1</b>	Derive the transfer function of physical systems and determination of overall transfer function using block diagram algebra and signal flow graphs.
<b>C2224.2</b>	Determine time response specifications of second order systems and to determine error constants.
<b>C2224.3</b>	Analyze absolute and relative stability of LTI systems using Routh's stability criterion and the root locus method.
<b>C2224.4</b>	Analyze the stability of LTI systems using frequency response methods.
<b>C2224.5</b>	Design Lag, Lead, Lag-Lead compensators to improve system performance from Bode diagrams.
<b>C2224.6</b>	Represent physical systems as state models and determine the response. Understanding the concepts of controllability and observability