

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

Balusumudi Bhimavaram – 2

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

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Computer Science & Engineering

COURSE OUTCOMES

ACADEMIC YEAR: 2020-21
NAME OF THE COURSE : DESIGN AND ANALYSIS OF ALGORITHMS
REGULATION:R16
YEAR/SEMESTER:III/II
NAME OF THE FACULTY: M MOUNICA DEVI

CO NO.	DESCRIPTION
C5323.1	Argue the correctness of algorithms using inductive proofs and invariants.
C5323.2	Analyze worst-case running times of algorithms using asymptotic analysis.
C5323.3	Describe the divide-and-conquer paradigm and explain when an algorithmic design situation calls for it. Recite algorithms that employ this paradigm. Synthesize divide-and conquer algorithms.
C5323.4	Describe the dynamic-programming paradigm and explain when an algorithmic design situation calls for it. Recite algorithms that employ this paradigm. Synthesize dynamic programming algorithms, and analyze them.
C5323.5	Describe the greedy paradigm and explain when an algorithmic design situation calls for it. Recite algorithms that employ this paradigm. Synthesize greedy algorithms, and analyze them.

Signature of the Faculty

Signature of HOD