Subject Code: PC407IT U23 AY:2024-25



## MATRUSRI ENGINEERING COLLEGE (An Autonomous Institution) 16-1-486, Saidabad, Hyderabad-500059 (Approved by AICTE, Affiliated to Osmania University)



## **Department of Information Technology**

BE	IV-SEM	Assignment -	r

Subject: AT (PC407ITU23) Marks: 10 M		_		_
S.No.	S.No. Questions		BL	CO
1	List out Applications of Finite Automata		L1	CO1
2	Design Automata for all strings of 0's and 1's where every string has even number of 0's and odd number of 1's		L2	CO1
3	Differentiate DFA and NFA?		L2	CO1
4	Design Finite Automata for all binary strings where its integer equivalent is divisible 5?	3 M	L2	CO1